

INTERNATIONAL COURT OF JUSTICE

**CASE CONCERNING SOVEREIGNTY OVER
PEDRA BRANCA / PULAU BATU PUTEH,
MIDDLE ROCKS AND SOUTH LEDGE
(MALAYSIA / SINGAPORE)**

**MEMORIAL OF
SINGAPORE**

VOLUME 5

(Annexes 62 to 87)

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Annex 62

Act No. XIII of 1854 (India)

ACT No. XIII. OF 1854.



Passed by the Governor General of India in Council on the 7th April 1854.

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*AN ACT to repeal Act No. VI. of 1852, and to make provision for defraying the cost of the Light-House on Pedra Branca, and for maintaining the same, and also a Floating Light established in the Straits of Malacca, to the West of Singapore, and for the establishment and maintenance of such further Lights in or near to the said Straits as may be deemed expedient.*

WHEREAS it was deemed desirable, for the safety and guidance of Ships navigating the China Seas, to build a Light-House on the Island Rock called Pedra Branca, situate at the Eastern entrance of the Straits of Singapore; and whereas certain sums of money were subscribed by private individuals for that purpose, but the same were insufficient to defray the expense of building such Light-House; and whereas the East India Company agreed to build such Light-House, and to advance certain sums of money to complete the same on condition that the said sums of money should be repaid to them by the levy of certain tolls; and whereas, since the passing of Act No. VI. 1852, a Floating Light has been established by the East India Company in the Straits of Malacca to the West of Singapore, at a place called the  $2\frac{1}{2}$ -fathom bank, and it may hereafter be deemed expedient to establish and maintain other lights or beacons in or near to the said Straits, for the safety and guidance of Ships navigating the same; and whereas many Ships which derive the benefit of the Horsburgh Light and the said Floating Light established aforesaid, do not contribute to the expense thereof, and it is just and reasonable that they should be liable so to do; It is enacted as follows:

I. Act No. VI. 1852 is hereby repealed, except so far as it relates to any Act already done under the same, or to any toll now due under the provisions thereof, or to any proceedings already adopted, or hereafter to be adopted, for the recovery of any such toll.

II. The Light-House on Pedra Branca aforesaid shall continue to be called "The Horsburgh Light-House," and the said Light-House, and the appurtenances

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appurtenances thereunto belonging or occupied for the purposes thereof, and all the fixtures, apparatus and furniture belonging thereto, shall remain the property of, and be absolutely vested in, the East India Company and their successors.

III. The light maintained at the Horsburgh Light-House, and the said Floating Light established as aforesaid, and such other light or lights as shall be established by the East India Company in lieu of such Floating Light, or in addition thereto, in or near to the Straits of Malacca or Singapore, shall be called "The Straits' Lights."

IV. If, after the passing of this Act, any Ship, of the burden of fifty tons or upwards, shall depart from, or enter any port, harbour or roadstead in the possession or under the Government of the East India Company, upon, or during, or at the termination of any voyage, in the ordinary course of which she would pass any of the said lights, a toll shall be paid in respect of such Ship, except in the cases hereinafter mentioned at the rates following, that is to say—

1. If the voyage be one in the ordinary course whereof such Ship would pass the whole of the said lights, at the rate of one anna for every ton of her burden.

2. If the voyage be one in the ordinary course of which she would pass any one or more of the said lights, but not all of them, at the rate of half an anna for every ton of her burden. Provided that such toll shall not be payable at any such port or place, if such toll shall have been paid at the same or any other port or place under the Government of the East India Company in respect of the same voyage, and a proper voucher for such payment shall be produced, or other satisfactory proof of such payment given. Provided also that no toll shall be payable under this Act on account of any Ship in respect of any voyage for which toll hath been already paid or become payable under the said Act No. VI. 1852, or during the period covered by such payment.

V. The return of a Ship from any port or place shall be deemed a distinct voyage within the meaning of this Act, notwithstanding toll shall have been paid in respect of her voyage to such port or place, and notwithstanding the terms of any Charter-party.

VI. All Ships of War, belonging to Her Majesty, or to any Foreign Government or State, and all Ships belonging to the East India Company shall be exempt from the payment of such toll.

VII. And

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VII. And whereas there are certain Vessels of small burden, called Straits' traders, which are engaged in the trade carried on between different ports and places, within or near to the said Straits, and it is just and reasonable, that such Vessels should not be charged full toll in respect of any voyage in the course of such trade. It is therefore enacted, that in respect of any voyage which shall be made by any such Vessel in the course of such trade, toll shall be paid at only one-half of the rate at which it shall be payable in other cases under this Act.

VIII. The management and control of the said "Horsburgh Light House," and of the said Straits' Lights, are hereby vested in the Governor of the Straits' Settlements.

IX. The said Governor may appoint any person he may think fit, to be a collector of the tolls payable under this Act, at any port, harbour, or place under his Government.

X. The Funds raised by the tolls payable under this Act shall be applicable in the first place to defray the necessary expenses of maintaining and keeping up the said Light-House and the said Straits' Lights, and the establishment and maintenance of such other lights as aforesaid, as the Governor General of India in Council may think fit to establish and maintain, and all necessary expenses incidental thereto, and the surplus thereof shall from time to time, be applied in liquidation of the moneys advanced by the East India Company towards the erection and completion of the said Light-House, and the apparatus and furniture thereof.

XI. The toll to be levied under this Act shall become due and be payable in respect of any Ship clearing out or departing from any port, harbour or roadstead, in the possession or under the Government of the East India Company, upon any such voyage as aforesaid, previously to the granting of any Port-Clearance for such Ship, or in the event of her not requiring a Port-Clearance, on her preparing to leave such port, harbour or roadstead on such voyage; and in respect of any Ship entering any such port, harbour or roadstead as aforesaid, upon or during, or at the termination of any such voyage from any port or place not under the Government of the East India Company, the toll shall be payable immediately upon her entering such port, harbour or roadstead.

XII. The Collector or other Chief Officer of Customs at any port, harbour or place in the possession, or under the Government of the East India Company, or any other Officer, whom the Government to which such port, harbour

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harbour or place is subordinate, may appoint to receive the tolls above-mentioned, shall collect the same by himself, or by any Officer, in his establishment whom he shall appoint. The Officer to whom any such toll shall be paid, shall grant to the person paying the same a proper voucher in writing, under his hand, describing the name of his office, and the port or place at which such payment shall be made, the name, tonnage and other proper description of the Ship, and the voyage in respect of which such toll shall be paid.

XIII. The Officer of Government, whose duty it shall be to grant a Port-Clearance for any Ship clearing out of, or leaving any such port, harbour or place under the Government of the East India Company, shall not grant such Port-clearance to any Ship until the Owner or Agent of such Ship, or the Master or other person in command thereof, shall pay all tolls to which such Ship shall be liable under this Act, or produce a proper voucher for, or give satisfactory proof of the payment of such tolls at the same or some other port or place. If any Master or Owner, or other person having the charge of any Ship liable to the payment of any tolls under this Act, shall refuse or neglect to pay the amount thereof to the person authorized to collect, or receive the same, such person may distrain or cause to be distrained, any goods, or merchandize, to whomsoever the same may belong, on board such Ship, and any tackle, apparel or furniture belonging to such Ship, and may remove the same, or cause the same to be removed, to some convenient place, leaving on board such Ship notice, in writing, of such distress and of the cause thereof, and of the place of removal, if such tolls, together with the costs of such distress and removal, shall not be paid within three whole days after the seizure, exclusive of the day of such seizure, the person authorized to collect or receive such tolls may cause the goods, merchandize, tackle, apparel and furniture so seized, to be sold, and out of the proceeds of such sale shall pay the amount of the tolls to which such Ship may be liable under this Act, together with the reasonable costs of such seizure, detention, and sale, rendering to the Master or Owner, or other person having the command of such Vessel, the over-plus, if any, on demand.

XIV. Notwithstanding any thing in this Act contained, the person authorized to collect the said tolls at any such port, harbour or place aforesaid, may, in his own name, sue for and recover, on behalf of the East India Company, the amount of any tolls payable to him under this Act, by action in any of the Civil Courts of Her Majesty or of the East India Company against the Owner or Master, or other person, who, at the time of such toll becoming due, shall have the command of any Ship liable thereto.

XV. In



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XV. In order to ascertain the burden of any Ship liable to pay toll under this Act, the person authorized to collect such toll may require the Owner, Master or other person in command of such Ship, or any person having possession of the same, to produce the register of such Ship for the inspection of such person, if the Ship shall be a British registered Ship or a Ship registered in any part of the territories of the East India Company, and upon the refusal or neglect of any such Owner, Master or other person to produce such register, or if such Ship shall not be a Ship registered as aforesaid upon the refusal or neglect of such Owner or Master to satisfy the person authorized to collect such tolls as to what is the true burden of the Ship, it shall be lawful for such person to cause such Ship to be measured at the expense of the Master thereof, and such expense shall be receivable in the same manner as tolls payable under this Act or it shall be lawful for such person to deliver to such Master, Owner or other person in command of the Ship, or in the possession thereof, or to leave for him on board such Ship a notice in writing, specifying what, in his judgment, is the burden of the Ship, and the burden specified in such notice shall be deemed to be the real burden of the Ship and be treated as such for all the purposes of this Act, until the Owner, Master or other person having the command of the Ship shall give sufficient proof of the true burden thereof.

XVI. The Master of any Ship which shall depart from or enter any such port, harbour or roadstead as aforesaid, upon, or in the course of, or at the termination of any voyage, shall, upon demand by any person authorized to collect or receive tolls under this Act, specify upon what voyage he is bound, and if any Master of any such Ship, shall refuse or neglect so to do, or shall give a false statement, or shall endeavour to evade the payment of any tolls payable under this Act, or shall obstruct any Officer of Government in the discharge of his duty under this Act, he shall be punishable by a Magistrate in a summary manner by a fine not exceeding two hundred rupees.

XVII. If any dispute shall arise respecting the liability of any Ship, to the payment of toll under this Act, or in respect of the burden of any Ship, or the amount of toll payable, or the amount of any charges on account of any distress, removal or sale under this Act; such dispute shall be heard and determined by a Magistrate in a summary manner, and the decision of such Magistrate shall be final.

XVIII. The Governor General of India in Council may, from time to time, as he may think fit, reduce the tolls payable under this Act, in respect of all vessels or of any particular class or classes of vessels, and again raise the same to any amount not exceeding the amounts above specified.

XIX. The

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XIX. The word "Ship" throughout this Act shall be held to mean and include a Schooner, Cutter, Brig, Brigantine, Barque, Steam-vessel and any square-rigged Vessel. The word "Master" shall mean any person having the Command of a Ship.

The word "Magistrate" shall be deemed to include a Joint Magistrate and any person lawfully exercising the powers of Magistrate, and a Justice of the Peace.



### **Annex 63**

Letter from His Highness Daing Ibrahim Maharajah  
(Tumongong of Johore) to Cavenagh O. (Governor of Prince  
of Wales Island, Singapore and Malacca) dated 8 Aug 1861

From the Governor of Prince of Wales Island, Singapore and Malacca, to the Secretary to the Government of India, Foreign Department,—(No. 147, dated the 20th August 1861.)

SIR,

IN continuation of my letter No. 125 of the 22nd ultimo, I have the honor to submit, for the consideration of His Excellency the Governor General in Council, copies of a communication dated the 8th instant, from His Highness the Tumengong, and of my reply thereto.

2. The question of our sovereignty over the seas, within ten miles of the Island of Singapore, owes its principal importance to the necessity for our proving to the satisfaction of the Court that pirates taken within that limit are subject to its jurisdiction; the petty piracy prevalent in the neighbourhood being hardly ever committed at a distance from the coast and consequently not coming under the category of "piracy on the High Sea," of which alone the Admiralty Court could take cognizance when the crime has not been actually perpetrated within British waters—but this importance will be much increased in the event of English or Foreign vessels frequenting the old Strait for the purpose of loading with Timber from the Saw Mills at Tanjong Putri, as it certainly would not be advisable to allow their crews to remain uncontrolled, whilst possibly any attempt on the part of the Johore authorities to bring them under their orders, might, in the present state of the Law in that Country, lead to serious complications with other Powers—a result much to be deprecated.

FROM HIS HIGHNESS DAING ISRAHIM SRI MAHARAJAH Tumongong of Johore, to the HON'BLE COLONEL ORFÈRE CAYENAGH, Governor of Prince of Wales Island,—(dated the 8th August 1861.)

AFTER COMPLIMENTS.

WE had the pleasure to receive our friend's letter of the 13th ultimo, with its enclosure, the subject matter of which, and the questions mooted in it, render it necessary that we should trouble our friend with a much more lengthy communication, than is usual with us. This is the reason for the delay that has occurred in answering it.

2. The statements of the Chinese Fishermen taken before the Hon'ble Resident Councillor at Singapore, copies of which formed the enclosure in our friend's letter under acknowledgment, embrace two separate charges apparently against Nong Besar, one of our Officers. The first is made on 1st July by Chan Yeong Heng and his people; that on 27th June last, at Sengarang, himself, his crew, boat and nets, were seized by the said Nong Besar, and an attempt made by the latter to extort ten Dollars for his leave to fish there—the whole detained one night, and that on the following day the complainant was obliged to leave his nets as security for the payment of the imposition. This man also says that he had been twice seized before, and on each occasion had to pay four Dollars. And the second complaint is made on the 4th July by Choa Ah Pak and one of his Boat's crew; that on the 20th day of June they had been seized by the said Nong Besar, and a fine of ten Dollars, demanded without any reason given, which was afterwards modified to four Dollars on the intercession of his friend Ching Lee: and that if Ching Lee had not become security for the payment, his nets, worth one hundred and twenty Dollars, would have been detained.

3. We have, as our friend desired, made strict enquiry into these complaints, and have now to inform our friend that our Officer admits having

taken and detained the nets of Chan Yeong Heng, who was taken in the act of transgressing the regulations after repeated warnings; but of the other he knows nothing. He has ever taken fish from any of these people, as is alleged. He denies also that he has ever taken fish from any of these people, as is alleged. We feel convinced these are mere repetitions, in a slightly altered form, of the case of Kway Ah Chen, about which we have recently had so much correspondence with our friend; and we have not deemed it necessary or fitting to take any formal proceedings against Nong Besar, whom we believe to be quite innocent of the extortions and oppressions imputed to him; because if we were to do so ourselves, we must lose his services in the meantime, and lessen the value of them ever after. The complainants, however, may do so in their own names in our Court, and we shall be careful that every facility be accorded to them, and a hearing as impartial as it is in our power to give: and should a case be made out against him his punishment shall be exemplary—for our own interest teaches us how fatal, not only to the good name, but to the stability of a Government is corruption in its servants.

4. Chan Yeong Heng and Ohon Ah Pak have only to lay a formal complaint in our Court House at Tanjong Putri, against Nong Besar; when summonses will be issued against him, and a day or days thereafter fixed for the hearing of the cases.

5. Had this been all we should have answered our friend's letter some days ago when our enquiries were completed; but our friend's letter brings in another matter so pointedly that we feel compelled, however, unwillingly to enter upon the discussion of it, viz. the effect of the Article 2nd, of the Treaty of 2nd August 1824, which according to our friend's reading, constitutes all the seas along the southern shore of our Territory of Johore, within ten miles of the Island of Singapore, below low water mark, "British waters;" wherein we and our Officers can exercise no jurisdiction; and our friend intimates that the seizure in the case of the above complaints was made below low water mark, as appears evident to our friend from the Report made by Mr. Robertson, the Officiating Commissioner of Police, whom our friend sent in a steamer into our Territory to make enquiry on the subject.

6. That all the seizures made, as well as the affray in Kwoy Ah Chew's case, have been *above* low water mark, as stated to us by our officers, and the others of whom we have enquired, will become apparent to our friend, we think from the following statement, many of the facts of which, if not within our friend's personal knowledge, he has the easy means of testing.

7. The Pukat fishing, of the Chinese Fishermen of Singapore, is carried on, and can only be carried on in shallow water, that is to say, where the Fishermen can evade and drag their nets without being immersed beyond the middle, and is confined almost entirely to the time when the tide is flowing. The net used is many fathoms long, but very narrow; say one fathom deep, and the haul is made in the following manner:—one or two men get out of the boat with one end of the net and stand in the water where it is of the depth above indicated, then the boat is rowed along parallel with the shore until the net is run out to its full length, when other one or two men get into the water from the boat with the other end. The net thus extended, hangs perpendicular in the water, the one side of it being fitted with floats which support it, and the men at either end walk towards the shore dragging the net with them, which at first assumes the form of a crescent, until, when the fishers have come quite close to the water's edge, they bring the two ends of it together, and then have only to gather it in and secure the fishes that may have been enclosed. This operation is repeated as long as the tide suits, that is, while it is flowing. Our friend will thus easily understand that the whole operation is carried on

in almost every haul between low and high water mark, and that in those cases where the net may at first be let down into the water below low water mark, it is always above it that the haul is completed.

8. It is necessary we should also describe the other mode of fishing which is carried on along our shores, *viz.* that by the "*Kaylong*" or stake net—this is a fixture consisting of a long straight line of small sticks or rattans stuck into the shore from a point a little below high water mark and running down to low water mark sometimes a little short of it and sometimes a little beyond it—generally the latter. The stakes are so close together that fishes cannot pass through between them, and at the lower end is a small chamber with maze, a kind of labyrinth at its entrance, the whole having the appearance of an arrow with large barbs at the lower end. There are other forms of the fishing stake, but this is the most common. The fishes being unable to pass through the line of stakes, run generally out towards the sea, endeavouring to find their way through or pass it; and so get involved in the little maze at the lower extremity from whence they pass into the Chamber mentioned, where they are captured by means of a net fitted there for the purpose. These stake nets belong chiefly to Malay men or Chinese who reside in Johore, and generally on the coast in the immediate vicinity of their stakes.

9. There are particular parts of the coast which, from the nature of the bottom or other cause, the fishes haunt more than others, and here the resident Malays or Chinese have fixed their stake nets. For the same reason the Pukat Fishermen, from Singapore, resort to the same places to ply their trade; and the natural, and almost necessary consequence is, that disputes and differences with occasional affrays occur between them. These for the most part arise from only one cause, which we trust our friend will forgive us; also pausing to explain the stake nets which run across very nearly the whole space between high and low water marks and form a barrier to the passage of fishes as already explained, have the effect of causing an accumulation of them in their immediate vicinity. It is said by some also that the fishes are attracted by the stakes themselves, probably by the small bait adhering to them; but whatever may be the cause the fact is known to the Pukatmen, as well as their neighbours, and as a matter of course there is a tendency on their part to drag their nets as close as possible to such stakes. The owners of the stakes regard this as a trespass upon them, (which no doubt it is) and endeavour to protect themselves for it, and sometimes perhaps to resent it.

10. A good many years ago when the number of Fishermen resorting to the coast of Johore from Singapore increased, the disputes and affrays that arose from the cause abovementioned became multiplied so much that we found it necessary to adopt measures to preserve order and to exercise some control over these men. In order to this we gave directions that it should be made known that no Fishermen with boats or Pukats would be allowed to fish there without a written Pass or Licence from us, or one of our authorized officers; and that those fishing under such passes should conform to certain rules; the principal one of which was that they should not go nearer than fifty fathoms to any fishing stake. This was explained to the men when they obtained their Passes, and it was also written upon the Passes themselves so as to prevent all mistakes, and we were gratified to find that the result was most satisfactory; not that the evil was altogether done away with which we apprehend to be impossible, but it was greatly mitigated, and the system has worked well and done great good until the present time. We should mention also, that these Passes were given for a period of six months, at first without payment, but afterwards a charge of

half a Dollar was made for each Pass, which we never heard complained of. We need scarcely say that this charge, was imposed not with any view to revenue, and our friend will easily conceive one or two good reasons for ceasing to make these Passes gratuitous, but without rendering them a burden. These very Fishermen have often admitted that the system works well.

11. If our friend was not so intimately acquainted with these details before, the above statement will bring some further light to him on the case of Kwey Ah Chew, as well as the two new complaints now made; it will also enable our friend, and others to whom these matters may be submitted better to understand and deal with that question of boundary and jurisdiction which our friend has more than once hinted at before, and which we confess we now enter upon with great reluctance and regret. The relations between the British Government at Singapore and Johore have hitherto gone on smoothly and satisfactorily, and the people of both countries have increased in prosperity, and we are therefore sorry to find a question agitated in which we are compelled by the importance of its solution to our own country, to persist in our dissent from the views held by our friend.

12. To address ourselves, in the first place, then to the question of our jurisdiction in the cases of these several complaints of Fishermen, we trust we have stated enough in the former part of this letter to show very reasonable grounds for our perfect conviction that every one of the affrays or seizures brought to our friend's notice took place, as is represented to us by our servants, between low and high water marks, where our friend does not dispute our jurisdiction: as well as for our belief that they in every case arose out of transgression by the Chinese Pukat Fishers of the rules laid down by us for preserving order along these shores. These rules would be of no effect without some sanction, and our officers are therefore authorized to impose small fines, and to detain the boats or nets of transgressors until payment is made, and those steps having been deemed necessary by Nong Besar, in the cases alluded to, the complainants have naturally enough made them to appear in the light of extortion and oppression rather than in their true character of punishment for their own wilful infractions of our regulations.

13. We may here take the opportunity to advert in passing to the mission of Mr. Robertson, the Acting Commissioner of Police, into our Territory in a Steam Gun Boat, with one or more of the Singapore Police Force in their Uniform, and without the slightest intimation to us or any of our officers. We do not desire to make it the subject of formal complaint, but only to request our friend to consider whether it was not calculated to produce a painful impression upon us both as an individual and as the Sovereign of Johore. Our friend has not furnished us with any part of Mr. Robertson's own report of his proceedings, but at the time we received one from our officer Nong Besar, whose place was visited, and we now enclose a copy of the original and translation, for the information of our friend's Government.

14. We now come to the general question of the claim asserted by our friend in this as in former letters, that within ten miles of the Island of Singapore, and below low water mark, we can exercise no jurisdiction, all beyond that being "British waters" and this by virtue of the Treaty Article, 2nd.—The Article is to the effect that "their Highness' the then Sultan and Tumongong thereby cede in full sovereignty and property to the Hon'ble the East India Company, their heirs and successors for ever the Island of Singapore, situated in the Straits of Malacca, together with the adjacent Seas, Straits, and Islets to the extent of ten geographical miles from the coast of the said main island of Singapore;" but we submit to our friend and

to the British Government, that it never was or could have been intended by these general words to deprive the independent Territory of Johore of nearly fifty miles of its own Seaboard, as contended for by our friend; and they have never been so construed by any of our friend's predecessors, so far as we are aware, though it is now nearly forty years since the Treaty was made, and our father who made the Treaty; and we, after him have, during the whole of that time, been exercising the jurisdiction which is now questioned with the full knowledge and concurrence of the British Government.

15. We submit that the true meaning of the clause is to operate as a cession of the Island of Singapore, and the adjacent Islands within ten miles, with the Seas and Straits surrounding them, as far as by the law and custom of nations, the property and sovereignty of such Islands gives jurisdiction and right to their possessors over the waters around. We understand this law and custom to be that when a narrow sea lies between two independent States, the jurisdiction and rights of each extend to the centre or middle line of such narrow sea, and such according to our understanding is the case with the Strait between our Territory of Johore and the Island of Singapore.

16. We also think that the literal reading of the Treaty which our friend adopts, cannot be accepted, because, we believe that the seas could not be ceded by our predecessors, the parties to this Treaty. The sea is the common property of all nations, and our predecessors could not cede what was not their own. A literal reading cannot, therefore be adopted, and the question is, what was the true intention of the parties in this Article. None could know this so well as the parties to the Treaty themselves, and they have, as we submit, given the most unmistakable evidence of their construction of it by their practice ever since the Treaty was made.

17. There are many circumstances to show both that this is the true meaning of the Treaty, and that our friend's Government have always hitherto so understood it, and if needful, we may hereafter enter more largely upon them; but we think the following two will suffice.—(1.) The Maps of Surveys made by the British Government Surveyors, (where they do give any boundary line at sea) lay it down, as contended for by us along the centre of the old Strait, that is, midway between Johore and Singapore. Take the Map made by Mr. J. T. Thomson, Government Surveyor, for example, which is in use in all our friend's Government Offices.—(2) An arrangement has been in operation for years past, and exists to the present moment, the only basis of which is this mutual right and interest in the old Strait contended for by us and the obligations which such rights and interests involve, *viz.*, the agreement for the maintenance of Gun Boats for the suppression of petty piracy there, at the equal expense of the two Governments. If the whole Strait had been considered British, and subject to British jurisdiction only, it would have been the duty of our friend's Government to have adopted the proper protective measures at its own charges.

18. The result to Johore of the adoption of our friend's construction of this clause of the Treaty would be so disastrous that we are bound to remonstrate against it. Its effect would be to deprive Johore of every one of the harbours and anchorages along its southern shore, which is the most important, and has always been so; and we most anxiously hope that when this is considered, and when it also kept in view, that the claim (if conceded by us) could bring to the British Government of Singapore only increased responsibility and expenditure, without any return so far as we can perceive—we trust our friend and the British Government will not think it expedient to insist further the views put forward.



19. It is unnecessary to enter at full length into the numberless anomalies that would arise from our friend's construction of the Treaty, especially if the development of the resources of Johore shall continue to advance at its present ratio, because, they will, many of them, present themselves to the mind which tries to imagine an independent country with Vessels lying in its harbours, receiving or discharging cargoes, but subject to the jurisdiction of a neighbouring State. Any landing Jetty (and there are some now) going beyond low water mark would be partly in British and partly in our own jurisdiction. Our subjects could not even erect such, we presume, without permission from the British Government. The case occurs at the present time at Tanjong Putri, where the British Barque *Mona* is about to load wood from the Jetty erected by the Steam Saw Mill Company. This Jetty runs below low water mark so far that the Ship will lie alongside to load. We are informed the *Mona* is to be followed by an American Vessel, and that French Vessels are likely to load there frequently for Bourbon and Mauritius; these Ships will be within British jurisdiction according to our friend's interpretation of the Treaty, and if there be breaches of the peace either in the Ship or on the end of the Wharf, we would have no jurisdiction in the matter, but must refer complainants to Singapore for redress. Besides this, our friend is aware that our country is not intersected with roads, and (the several River banks being the parts chiefly inhabited and cultivated) the passage from one River to another can only be made by descending to the mouth in the old Strait and then passing along to the River wished to be visited. If our friend's reading of this Treaty were right, the Opium, Spirits, &c. of our Farmer could not be carried from his central Depot at Tanjong Putri to the several Rivers where it is consumed, without passing for a long distance through British jurisdiction, and so committing a breach of the Exise Laws of our friend's Settlements.

20. We are certain that an alienation so hurtful to the interests of Johore was never intended as part of the stipulation of the Treaty, and we trust that on perusing this letter our friend may be induced to re-consider this subject and to modify his views regarding it.

The deposition of Nong Besar, in the presence of Rajah Ahmad, on the 28th day of the month of Dollhadjee, Sunday, 11jjerat 1277.

WHEREAS I, Nong Besar, after a solemn oath, made my complaint this day in the Court of Johore, at Skandra Putri. I was ordered by Tengku Tumongong to reside in Pengerang to watch the good and the bad. On the 27th day of the month, on Saturday, at 11 o'clock in the forenoon, there came a Steamer and a Gun Boat. The Steamer anchored at Tanjong Pengelih, and the Gun Boat came to my place at Pengerang, bringing two Europeans, Mr. Robertson and a Constable; there were also with them a Chinese, the Opium Farmer of Singapore, Soon Hong, making three persons, besides a Peon and a Jemadar who accompanied Mr. Robertson. On their arrival, they all landed at Pengerang. Afterwards Mr. Robertson asked me, "is your name Nong Besar?" I replied, "yes Sir." He then said, "come and let me talk with you alone, so that no other may hear." He took me aside by a fence, and drove away persons who came near and abused them. He asked, "what orders did the Tumongong give you to remain here—you tell me the truth? If you do not speak the truth you will be wrong and will come into great difficulty, for the Tumongong does many things here that are improper." Then he said, "why did you seize the Chinese of Singapore who came here to fish with Pukats?" I answered, "I arrested them because they fish about four or five fathoms near the fishing stakes—I prevented them two or three times, but they would not mind me, therefore I seized them, because their Boat is very large; how can the poor people get their livelihood?" He said, "let us talk with

**Annex 64**

Letter from Cavenagh O. (Governor of Prince of Wales Island,  
Singapore and Malacca) to the Secretary to the Government of  
India dated 16 Oct 1861

From COLONEL THE HON'BLE ORFEUR CAVENAGH, Governor of Prince of Wales Island, Singapore, and Malacca, to the Secretary to the Government of India, Foreign Department,—(No. 183, dated the 16th October 1861.)

Sir,

IN continuation of my letter No. 147, dated the 20th August, I have the honor to report, for the information of His Excellency the Governor General in Council, that, having reason to believe that the Tumongong and his sons, if left uncontrolled by the advice of others, would be willing in every respect to meet the wishes of the British Government, I determined, without giving any previous intimation of my intention, to accompany the Resident Councillor on the occasion of his proceeding in the Steamer *Touze* with Inchi Wan Aboo Bakar to Pangerang, to ascertain the locality in which the Chinese Fishermen's nets were seized. I then took the opportunity of pointing out to His Highness the serious results likely to accrue in the event of his father's incurring the displeasure of the Supreme Government, and at the same time stated that there was every desire to support his authority and to advance the interests of his country, though it must be clearly understood that the rights of our subjects would not for a moment be allowed to be infringed; he in reply assured me that both he and his father had been much grieved at what had occurred, that the latter was hardly responsible for the tenor of his letters, with the purport of which, from his ignorance of English, he was often not well acquainted, and that in future, if on the occasion of any disagreement, I would only send for him, he, Aboo Bakar, would be always ready to wait either upon myself or the Resident Councillor, and to endeavour, as far as practicable, to attend to any instructions he might receive.

2. On our reaching Pangerang, although the spot pointed out by the Fishermen was at some little distance from the place originally specified, and certainly nearer to the Johore shore, he at once acknowledged that his people were not justified in interfering, as there could have been no Kaylongs (fishing stakes) in the immediate vicinity, and issued an order for the nets to be taken into Singapore and made over to the proprietors without delay—an order that was duly obeyed.

3. Although I was informed by the Tumongong's legal adviser that an appeal would be made against my opinion with regard to the jurisdiction of the British Government extending over the Sea, or at least that portion of it within three miles of any land, to the limit of ten miles from the Island of Singapore, as yet I have received no communication on the subject, hence I am inclined to believe that the professions made by Aboo Bakar were sincere, and that there is no intention on the part of his father to moot the question; however, it is of course out of my power at present to express a decided opinion on this point, and I shall await the result of the measures that have been taken towards apprehending the persons concerned in the attack upon the Chinese Boat at Padang, and securing the restoration of the plundered property, ere placing implicit confidence in the assurances offered.

**Annex 65**

Letter from Ritchie W. (Advocate General) to Durand H.M.  
(Officiating Secretary to the Government of India, Foreign  
Department) dated 18 Oct 1861

From W. RICHIE, Esq., Advocate Général, to COLONEL H. M. DURAND, Officiating Secretary to the Government of India, Foreign Department,—(dated the 18th October 1861.)

SIR,

IN reply to your letter No. 5018, dated the 28th September 1861, I have the honor to enclose my Opinion on the question referred to therein.

2. I return the original enclosures.

#### OPINION.

By the 2nd Article of the Treaty of 1824, the Sultan and Tumongong of Johore ceded, so far as it was in the power of the Sovereign of Johore to cede, the Sovereignty in the Seas and Straits adjacent to the Island of Singapore to the extent of ten geographical miles from the coast of the main Island, as well as all Islets to the same extent within these Seas and Straits. But although for some purposes this cession was fully effectual as between the State of Johore and the East India Company, I do not think that it was, or that, by reason of the limited right which the Sovereign of Johore had to deal with the whole extent of Sea which the Treaty professed to transfer, it could have been effectual for *all* purposes.

Different considerations may apply to different portions of the Straits that divide the main Island of Singapore from the Mainland on which the Johore Territories are situated, according to the distances from the coasts of the Island and of the Mainland.

*First.*—As to the extent of three geographical miles, or one league from the coasts of the Island of Singapore itself, and as to the same extent from the coast of any of the Islets ceded to the East India Company, within the limits of ten geographical miles from the Islet of Singapore, there can be no doubt, I think, that the Seas are to be considered strictly British waters, in the largest sense of that expression, and that every incident belonging to the Sea adjacent to, and recognised as being within the dominion of, a maritime State, will attach to these waters, whatever be the width of the Straits between the Island and Mainland.

Thus I think it quite clear that if any points of the Straits, whether between the chief Island of Singapore and the Mainland of Johore, or between any of the ceded Islets and that Mainland, be not more than three miles in width, the whole of the Straits up to low water mark on the Johore side would be British for all purposes, both as against the subjects of the State of Johore, and as against the Ships and subjects of every country. The presumption that the dominion of each State, or opposite sides of a narrow Strait not exceeding a league in width, extends *ad medium filum aque* is one capable of being rebutted by proof of a special compact between the States adopting a different rule, and the Treaty of 1824 is I think conclusive as to the existence of such a compact, and as to the British character of the Strait to such extent.

*Secondly.*—As to those parts of the Straits which, although more than three miles distant from the ceded Island or Islets, are within ten miles of those coasts, and within three miles of the coast of Johore.

I think that as between the States of Great Britain and of Johore, and the subjects of these States, such parts of the Seas must be deemed to belong to Great Britain, so as to give jurisdiction to our Courts and all the ordinary rights which belong to British waters. The State of Johore had a clear right of Sovereignty over the waters, as it had over the coasts to which they naturally belonged. If it chose to cede its Sovereignty over these waters, while it reserved that over the waste, I do not think that any objection to

such cession can be raised by its subjects, as by the subjects of the State to which the cession of those waters, together with the coasts on the opposite side of them was made. I therefore think that British subjects committing offences not amounting to piracy within these waters up to low water mark would not be liable to the Johore, but to the English Courts: that in the like manner subjects of the State of Johore would be liable to the British, and not to the Johore Court for such offences, and that the rights of our fishermen to fish without license or permission of any kind from the Johore Authorities extend to these waters, up to the low water mark.

It is now doubtful whether such waters are to be considered British, as between Great Britain or the State of Johore on the one part, and the subjects of any Foreign State, on the other. It might be contended, for instance, that a French subject, while within these waters was entitled to recognise the jurisdiction of the Johore Courts, and to repudiate that of the English Courts, or to obtain permission to fish in, or to use those waters, otherwise than by passage with the permission of the Johore, without that of the British Government. The argument for such a claim would be that although the State of Johore might bind itself by a compact with Great Britain, it could not bind Foreign Powers; and that as to them the general rules of international law as to the dependence of the sea to the extent of a league upon the State to whom the adjacent coasts belong would apply. But I do not think that this

A passage from Bynhornhoek, *De Homini Maris*, cited by Mr. Wharton (*International Law*, page 247, Edition of 1867) rather supports this view—*nequi ulla pars Oceani ditior alienquo principio tenetur, nisi qui in continentia sit imperio.*

view can be supported. The rule last referred to (like that previously mentioned as to the *medium flum aquæ* in a narrow Strait) must thus yield to a clear compact between Powers competent to make it laying down a different rule as to the particular Sea in question. As the State of Johore had power to alienate the coast itself, and had also power, according to my view, without alienating the coast, to cede its right over all waters within three miles of that coast, I apprehend that the cession of that extent of Sea along the Johore coasts by a clear Treaty would be sufficient to entitle Great Britain to treat these waters as her own, as fully and against the same Powers, as the State of Johore, but for the cession could have done.

The question as to Foreign Powers and their subjects, however, is a very doubtful and delicate one: and as against them, the claim of the British Government in respect of these waters, should be asserted, I think, with great caution.

*Thirdly.*—As to those parts of the Straits which are more than three miles distant from either coast, or from any of the Islets, though within ten miles of the coast of Singapore.

I have not been able to satisfy myself that the State of Johore had any power to confer on Great Britain any Sovereignty or jurisdiction over this portion of the Straits. According to the reasoning on which the claim of England to dominion over the narrow Seas, such a compact between the States whose Territories were divided by the Straits in question, though upwards of six miles in width, would be valid in regard to the above Straits so as to vest the Sovereignty in them as against all the world in Great Britain—but I do not think that at the present day the claims to appropriate portion of the Sea thus situated, can be supported, unless on the ground of immemorial or long and undisputed use. The circumstance that one of the canons of modern international law in regard to the extent of the Sovereignty of a State is, that it extends “to the Straits bounded on both sides of the Territory of the State, so narrow as to be commanded by cannon shot from both shores, and communicating from one Sea to another,” coupled with the rule “that the Sovereignty extends along all the coast of a State as far as a cannon shot will extend,”

( 3 )

seem to show that where portions of one State are divided by the Sea, as the Island of Singapore is from Johore, the Sovereignty of that State does not extend to those portions of the Strait which are more than a cannon shot from either of its coasts, and consequently that, where the Strait is more than six miles wide, the middle part is not with the jurisdiction of the State. And if the middle part did not belong to Johore before the cession of Singapore, the cession could not forego the dominion over it.

With respect to the particular question raised by the Tumongong in the present correspondence, it follows, from the principle above stated, that the Tumongong's contention as to his own jurisdiction beyond low water mark is wholly untenable according to the Treaty, whenever the low water mark is within ten miles of the Island of Singapore, and that our fishermen have the right to fish without any Pass from the Johore Authorities within three miles of the low water mark. They have no right, however, to encroach at all beyond that mark. The question therefore resolves itself into one of fact, *viz.*, as to whether our fisheries were fishing beyond, or within low water mark at the time of their being molested.

As to the Tumongong's apprehensions respecting the effect of the Treaty, if construed literally, in depriving him of jurisdiction for acts committed in his Ports, or upon a Jetty carried out into the Sea beyond low water mark, I conceive that there is no foundation for them. I do not think that under the Treaty the British jurisdiction would attach to any Port, properly so called, or the Johore coast, or to any Jetty forming, though artificially part of the shore. These are in their nature, appurtenances of the land, and fall strictly within the dominions of State possessing the land. If by reason of the Sovereignty ceded to us in the Seas, we see reason to object to the use made of any portion of these Seas by the Tumongong, as for instance, by his running out a Jetty of extraordinary length much further beyond low water mark than the exigencies of the case require, we should, I think, remonstrate at the time of the first appropriation, or within a reasonable time after we discover it. But having allowed it to be made without objection, we cannot, I think, while it continues in use, object to the exercise in respect of it, of the Territorial jurisdiction which naturally attaches to it as an appurtenance of the coast. Therefore, I do not think that in the case of a Foreign Ship lying in such a Port, or loading or unloading at such a Jetty, or in the case of offences committed there by Foreigners or subjects of Johore, we could claim jurisdiction, or contest the right of the Court of Johore to exercise jurisdiction.

As to jurisdiction in cases of piracy, to which Colonel Cavenagh refers, I think, for the reason above stated, that where offences are committed, whether by British subjects, subjects of Johore, or Foreigners, generally, within ten miles of the coasts of Singapore, or of any of the Islets, or within three miles of the coast of Johore (excluding the water above low water mark, and Ports, Jetties, &c. on the coast), such offence will be cognizable by the British Courts as having been committed within British waters. When offences are committed more than three miles from the coast either of Singapore, or the Island of Johore; or when, though within three miles of the coast of Johore, they are more than ten miles from that of Singapore, they will only be cognizable generally by the British Courts where they have been committed by British subjects, or on board a British Ship. When, however, they amount to acts of piracy, and the sense in which the term is used in the Law of Nations, or of the English Municipal Law, they will be cognizable by an English Court of Admiralty, if committed more than three miles from any coast, whatever may be the national character of the offenders, or of the Ship.

## **Annex 66**

Extracts from the Straits Settlements Government Gazette,  
1865 to 1867, showing Meteorological Data Taken from  
Horsburgh Lighthouse



METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF JANUARY 1865

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THE STRAITS GOVERNMENT GAZETTE, MARCH 24, 1865.

| Date of the Month. | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER |         |         | PLU-<br>VIOM-<br>TER | REMARKS                                              |
|--------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|---------------------------------|---------|---------|----------------------|------------------------------------------------------|
|                    | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                         | Mean    | Minimum |                      |                                                      |
| 1                  | 29.95                         | 80° 00'     | N.N.W.                | Cloudy            | 29.91                     | 79° 00'     | NNW                   | squally           | 29.02                        | 79° 00'     | Varia.                | squally           | 82° 00'                         | 80° 45' | 77° 30' | 5 975                | Moderate breezes attended with squally and rain      |
| 2                  | 95                            | 78          | "                     | "                 | 95                        | 80          | "                     | Cloudy            | 93                           | 78          | NNW                   | "                 | 82                              | 80 30   | 77      | None                 | Fresh breezes and cloudy weather throughout          |
| 3                  | 92                            | 76          | "                     | "                 | 97                        | 79          | "                     | "                 | 95                           | 79          | "                     | Cloudy            | 80                              | 80      | 78      | "                    | Do do do do                                          |
| 4                  | 93                            | 78          | "                     | "                 | 96                        | 80          | "                     | "                 | 95                           | 80          | "                     | squally           | 81                              | 79 30   | 78      | "                    | Do do do do                                          |
| 5                  | 95                            | 78          | SO                    | "                 | 96                        | 78          | "                     | Rain              | 91                           | 78          | "                     | "                 | 82                              | 80 30   | 79      | 1 650                | Fresh breezes attended with passing squalls          |
| 6                  | 91                            | 78          | "                     | squally           | 90                        | 79          | "                     | squally           | 90                           | 78          | "                     | "                 | 80                              | 79      | 78      | 2 675                | Blowing hard attended with heavy squalls             |
| 7                  | 94                            | 78          | "                     | Cloudy            | 94                        | 79          | "                     | "                 | 90                           | 79          | "                     | "                 | 81                              | 79 45   | 78 30   | 4 850                | Fresh breezes and cloudy weather throughout          |
| 8                  | 91                            | 76          | "                     | "                 | 94                        | 79          | "                     | Cloudy            | 89                           | 78          | "                     | Cloudy            | 81                              | 79 15   | 77      | 475                  | Do do do do                                          |
| 9                  | 91                            | 77          | "                     | "                 | 92                        | 80          | "                     | "                 | 89                           | 79          | "                     | "                 | 81                              | 79 30   | 78      | None                 | Do do do do                                          |
| 10                 | 92                            | 80          | "                     | "                 | 95                        | 80          | North                 | "                 | 89                           | 80          | North                 | "                 | 82                              | 80 30   | 79      | "                    | Moderate breezes and pleasant weather                |
| 11                 | 93                            | 79          | North                 | "                 | 95                        | 80          | "                     | "                 | 89                           | 79          | "                     | "                 | 81                              | 79 30   | 78      | "                    | Do do do do                                          |
| 12                 | 95                            | 79          | "                     | "                 | 95                        | 81          | "                     | "                 | 94                           | 80          | "                     | "                 | 82                              | 80      | 78      | "                    | Do do do do                                          |
| 13                 | 93                            | 79          | NNW                   | "                 | 95                        | 81          | "                     | "                 | 89                           | 80          | NNW                   | "                 | 81                              | 79 45   | 78      | "                    | Do do do do                                          |
| 14                 | 97                            | 80          | "                     | "                 | 97                        | 81          | "                     | "                 | 93                           | 81          | "                     | "                 | 82                              | 80 30   | 79      | "                    | Do do do do                                          |
| 15                 | 96                            | 80          | "                     | "                 | 90.02                     | 80          | Varia.                | Rain.             | 95                           | 80          | "                     | "                 | 83                              | 81      | 79      | 350                  | A.M. fresh breezes, Noon squally, and P.M. fresh     |
| 16                 | 97                            | 79          | North                 | Clear             | 90                        | 84          | NNW                   | Clear             | 98                           | 80          | "                     | "                 | 82                              | 80 30   | 79      | None                 | Moderate breezes and pleasant weather                |
| 17                 | 97                            | 79          | NNW                   | Cloudy            | 91                        | 81          | "                     | Rain              | 98                           | 80          | "                     | "                 | 82                              | 80 30   | 79      | 450                  | A.M. moderate breezes, Noon rain, and P.M. fresh     |
| 18                 | 95                            | 79          | "                     | "                 | 94                        | 79          | "                     | Cloudy            | 99                           | 81          | "                     | "                 | 82                              | 80 30   | 79      | None                 | Moderate breezes and pleasant weather                |
| 19                 | 98                            | 80          | "                     | Clear             | 98                        | 81          | "                     | "                 | 96                           | 80          | "                     | "                 | 82                              | 80 30   | 79      | "                    | Do do do do                                          |
| 20                 | 97                            | 80          | "                     | "                 | 90.93                     | 80          | "                     | "                 | 95                           | 79          | North                 | "                 | 83                              | 81      | 79      | "                    | Fresh breezes and pleasant weather                   |
| 21                 | 95                            | 80          | "                     | Cloudy            | 29.96                     | 80          | North                 | Clear             | 93                           | 79          | "                     | Clear             | 82                              | 80 30   | 79      | "                    | Moderate breezes and pleasant weather                |
| 22                 | 92                            | 78          | North                 | "                 | 97                        | 80          | "                     | Cloudy            | 93                           | 78          | NNW                   | "                 | 81                              | 79 15   | 77      | "                    | Fresh breezes and cloudy weather                     |
| 23                 | 95                            | 79          | "                     | "                 | 97                        | 80          | NNW                   | "                 | 89                           | 78          | "                     | Cloudy            | 81                              | 79 30   | 78      | "                    | Do do do do                                          |
| 24                 | 93                            | 79          | NNW                   | "                 | 95                        | 81          | "                     | "                 | 89                           | 79          | "                     | "                 | 81                              | 79 30   | 78      | "                    | Do do do do                                          |
| 25                 | 97                            | 80          | North                 | "                 | 90.01                     | 81          | N.E.                  | Clear             | 90                           | 79          | North                 | "                 | 83                              | 81      | 79      | "                    | Fresh breezes and pleasant weather throughout        |
| 26                 | 95                            | 79          | "                     | Clear             | 94                        | 81          | N.N.E.                | Cloudy            | 93                           | 78          | "                     | "                 | 80                              | 79      | 78      | "                    | A.M. moderate breezes and clear, Noon and P.M. fresh |
| 27                 | 92                            | 78          | N.N.E.                | Cloudy            | 90                        | 81          | North                 | "                 | 90                           | 79          | East                  | "                 | 83                              | 81      | 79      | "                    | Fresh breezes and cloudy weather throughout          |
| 28                 | 93                            | 78          | NNW                   | "                 | 29.54                     | 79          | NNW                   | "                 | 90                           | 78          | Varia.                | "                 | 82                              | 80 30   | 79      | "                    | Fresh variable breezes and cloudy weather            |
| 29                 | 91                            | 78          | N.N.E.                | "                 | 94                        | 80          | "                     | Clear             | 94                           | 79          | N.E.                  | "                 | 82                              | 80      | 78      | "                    | Moderate breezes and pleasant weather                |
| 30                 | 92                            | 80          | North                 | "                 | 95                        | 80          | N.E.                  | "                 | 95                           | 78          | "                     | "                 | 83                              | 81      | 79      | "                    | Do do do do                                          |
| 31                 | 97                            | 81          | "                     | Clear             | 97                        | 81          | NNW                   | Cloudy            | 89                           | 78          | NNW                   | Clear             | 83                              | 81      | 79      | "                    | Do do do do                                          |

R. BELL.

METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF FEBRUARY 1865

| Date of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER |        |         | PLU-<br>VIOMETER<br><br>Inches | REMARKS |    |        |                                            |                                                      |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|---------------------------------|--------|---------|--------------------------------|---------|----|--------|--------------------------------------------|------------------------------------------------------|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                         | Mean   | Minimum |                                |         |    |        |                                            |                                                      |
| 1                                      | 29.99                         | 80          | 00'                   | North             | Cloudy                    | 30.04       | 82                    | 00'               | NNE                          | Clear       | 29.93                 | 80                | 00'                             | NNE    | Clear   | 83                             | 81      | 80 | None   | Moderate breezes and pleasant weather      |                                                      |
| 2                                      | 30.05                         | 80          |                       | N.N.E             | Clear                     | 30.05       | 83                    |                   | "                            | "           | 29.92                 | 80                |                                 | "      | "       | 82                             | 81      | 80 | "      | Fresh breezes and pleasant weather         |                                                      |
| 3                                      | 29.91                         | 78          |                       | North             | Cloudy                    | 30.04       | 82                    | 30                | East                         | "           | 29.95                 | 79                |                                 | "      | "       | 84                             | 83      | 82 | "      | Moderate breezes and pleasant weather      |                                                      |
| 4                                      | 30.01                         | 78          |                       | East              | Clear                     | 30.06       | 82                    |                   | N.E.                         | "           | 29.93                 | 79                |                                 | "      | "       | 84                             | 83      | 82 | "      | Fresh breezes and pleasant weather         |                                                      |
| 5                                      | 30.05                         | 81          |                       | "                 | "                         | 30.07       | 83                    |                   | NNE                          | "           | 30.00                 | 81                |                                 | "      | "       | 84                             | 83      | 82 | "      | Do do do do                                |                                                      |
| 6                                      | 30.04                         | 81          |                       | N.E.              | "                         | 30.07       | 83                    |                   | "                            | "           | 30.06                 | 81                | 30                              | "      | "       | 83                             | 82      | 81 | 30     | "                                          | Fresh variable breezes and cloudy weather throughout |
| 7                                      | 29.99                         | 80          |                       | "                 | Cloudy                    | 30.02       | 82                    |                   | E.N.E.                       | Cloudy      | 29.92                 | 80                |                                 | N.E.   | Cloudy  | 82                             | 81      | 80 | "      | Fresh breezes and pleasant weather         |                                                      |
| 8                                      | 30.05                         | 80          | 30                    | North             | "                         | 30.07       | 83                    |                   | N.E.                         | Clear       | 30.02                 | 81                | 30                              | "      | Clear   | 84                             | 82      | 81 | "      | A.M. moderate breezes, Noon and P.M. fresh |                                                      |
| 9                                      | 30.04                         | 80          |                       | NNW               | "                         | 30.06       | 82                    | 30                | "                            | "           | 30.01                 | 81                |                                 | N.W.   | "       | 82                             | 81      | 80 | "      | Fresh breezes and pleasant weather         |                                                      |
| 10                                     | 30.02                         | 80          |                       | East              | Clear                     | 30.08       | 84                    |                   | N.W.                         | "           | 30.04                 | 82                |                                 | ENE    | "       | 84                             | 82      | 81 | "      | Moderate breezes and hot sulky weather     |                                                      |
| 11                                     | 30.01                         | 80          |                       | N.E.              | "                         | 30.10       | 84                    |                   | E.N.E.                       | "           | 30.06                 | 82                | 30                              | N.E.   | Rain    | 83                             | 81      | 80 | "      | Fresh breezes and pleasant weather         |                                                      |
| 12                                     | 30.03                         | 80          |                       | "                 | "                         | 30.08       | 83                    | 20                | N.E.                         | Rain        | 30.01                 | 80                |                                 | "      | "       | 84                             | 83      | 82 | 30     | 200                                        | Fresh variable breezes and squally with rain         |
| 13                                     | 30.01                         | 79          |                       | North             | Cloudy                    | 30.05       | 80                    |                   | Varia.                       | squally     | 29.90                 | 79                |                                 | N.W.   | squally | 83                             | 82      | 81 | 20     | 0.125                                      | Do do do do                                          |
| 14                                     | 29.92                         | 79          |                       | N.E.              | "                         | 30.07       | 80                    | 40                | N.N.E.                       | Clear       | 29.93                 | 81                | 20                              | ENE    | Clear   | 83                             | 83      | 83 | "      | None                                       | Fresh breezes and pleasant weather                   |
| 15                                     | 30.09                         | 81          |                       | N.N.E             | Clear                     | 30.06       | 83                    |                   | "                            | "           | 30.01                 | 82                |                                 | N.E.   | "       | 84                             | 82      | 80 | "      | "                                          | Do do do do                                          |
| 16                                     | 30.01                         | 81          |                       | NNW               | Cloudy                    | 30.01       | 83                    | 40                | North                        | Rain        | 30.04                 | 81                | 30                              | Varia. | Rain    | 85                             | 82      | 80 | "      | "                                          | Do do do do                                          |
| 17                                     | 30.07                         | 81          |                       | NNE               | squally                   | 29.94       | 83                    |                   | "                            | Cloudy      | 30.01                 | 82                |                                 | NNE    | Cloudy  | 84                             | 83      | 82 | "      | 0.175                                      | Fresh breezes and passing squalls and rain           |
| 18                                     | 30.01                         | 81          |                       | N.E.              | Cloudy                    | 30.06       | 82                    |                   | Varia.                       | Rain        | 30.00                 | 80                |                                 | "      | Rain    | 82                             | 82      | 82 | 30     | None                                       | Fresh breezes and cloudy weather                     |
| 19                                     | 30.02                         | 80          |                       | "                 | "                         | 30.04       | 83                    | 40                | N.E.                         | Clear       | 30.00                 | 81                | 30                              | North  | Clear   | 85                             | 83      | 82 | "      | 0.200                                      | Variable wind and rainy at interval                  |
| 20                                     | 30.07                         | 80          |                       | S.E.              | squally                   | 30.07       | 82                    | 30                | S.S.W.                       | Cloudy      | 30.02                 | 82                |                                 | Varia. | Cloudy  | 84                             | 82      | 80 | 20     | None                                       | Light breezes and pleasant weather                   |
| 21                                     | 30.07                         | 81          |                       | "                 | Clear                     | 30.08       | 84                    | 30                | E.S.E.                       | Clear       | 30.00                 | 83                |                                 | N.E.   | Clear   | 85                             | 83      | 82 | "      | "                                          | A.M. fresh breezes, Noon and P.M. light airs         |
| 22                                     | 30.01                         | 81          |                       | E.S.E.            | "                         | 30.05       | 81                    |                   | East                         | "           | 30.00                 | 83                |                                 | SSW    | "       | 84                             | 83      | 82 | "      | "                                          | Light breezes and pleasant weather                   |
| 23                                     | 30.06                         | 81          | 30                    | N.E.              | Cloudy                    | 30.07       | 83                    | 50                | N.E.                         | Cloudy      | 30.00                 | 82                |                                 | E.S.E. | Cloudy  | 85                             | 83      | 82 | "      | "                                          | Moderate breezes and pleasant weather                |
| 24                                     | 30.07                         | 84          | 50                    | "                 | "                         | 30.08       | 84                    | 30                | "                            | "           | 30.04                 | 82                | 30                              | East   | "       | 84                             | 83      | 82 | 30     | "                                          | Do do do do                                          |
| 25                                     | 30.08                         | 81          | 30                    | "                 | Clear                     | 30.07       | 84                    | 40                | "                            | Clear       | 30.04                 | 81                | 30                              | N.E.   | Clear   | 84                             | 83      | 82 | 20     | "                                          | Do do do do                                          |
| 26                                     | 30.09                         | 82          |                       | "                 | "                         | 30.00       | 81                    | 20                | "                            | "           | 30.02                 | 80                |                                 | "      | "       | 84                             | 83      | 82 | "      | "                                          | Fresh breezes and pleasant weather                   |
| 27                                     | 30.05                         | 80          |                       | "                 | "                         | 29.96       | 83                    | 20                | "                            | "           | 30.06                 | 81                |                                 | "      | "       | 84                             | 83      | 81 | 50     | "                                          | Moderate breezes and pleasant weather                |
| 28                                     | 30.07                         | 81          | 50                    | "                 | "                         | 30.01       | 84                    | 20                | "                            | "           | 30.00                 | 81                | 30                              | "      | "       | 84                             | 83      | 82 | "      | "                                          | Do do do do                                          |
| Means                                  | 30.08                         | 80          | 16'47"                | "                 | "                         | 30.02       | 83                    | 06'04"            | "                            | "           | 29.94                 | 81                | 02'05"                          | "      | "       | 83                             | 82      | 81 | 36'47" | 0.690                                      |                                                      |
| Mean of Corresponding Month last year. | 30.03                         | 80          | 04'08"                | "                 | "                         | 30.06       | 82                    | 32'56"            | "                            | "           | 30.05                 | 81                | 21'43"                          | "      | "       | 83                             | 81      | 79 | 56'12" | 0.000                                      |                                                      |

J. W. FLORY.

THE STRAITS GOVERNMENT GAZETTE, APRIL 14, 1865.

METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF APRIL 1865

| Date of the Month. | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER |      |         | PLU-<br>VIOMETER | REMARKS |                                                 |                                        |             |
|--------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|---------------------------------|------|---------|------------------|---------|-------------------------------------------------|----------------------------------------|-------------|
|                    | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                         | Mean | Minimum |                  |         | Inches                                          |                                        |             |
| 1                  | 29.92                         | 82          | 00'                   | N.E.              | Cloudy                    | 29.93       | 83                    | 00'               | N.E.                         | Cloudy      | 29.94                 | 82                | 00'                             | 86   | 00'     | 85               | 00'     | None                                            | Moderate breezes and pleasant weather  |             |
| 2                  | 94                            | 83          |                       | "                 | Rain                      | 99          | 84                    |                   | "                            | Clear       | 94                    | 84                | 40                              | 87   | 85      | 83               | 0.250   | A.M. light wind and rain, Noon and P.M. fair    |                                        |             |
| 3                  | 96                            | 83          |                       | "                 | Clear                     | 99          | 84                    |                   | "                            | Clear       | 91                    | 83                |                                 | 87   | 85      | 83               | None    | Moderate breezes and pleasant weather           |                                        |             |
| 4                  | 95                            | 83          |                       | N.N.E.            | Cloudy                    | 99          | 84                    | 30                | "                            | "           | 98                    | 82                |                                 | 87   | 85      | 83               | "       | Do do do do                                     |                                        |             |
| 5                  | 95                            | 82          | 30                    | N.E.              | Clear                     | 99          | 85                    |                   | "                            | "           | 92                    | 85                |                                 | 84   | 83      | 30               | 83      | "                                               | Do do do do                            |             |
| 6                  | 93                            | 83          |                       | "                 | "                         | 99          | 85                    |                   | Varia.                       | "           | 90                    | 84                |                                 | 85   | 83      | 30               | 82      | "                                               | Light wind and variable throughout     |             |
| 7                  | 90                            | 83          |                       | "                 | "                         | 99          | 85                    |                   | East                         | "           | 86                    | 83                |                                 | 86   | 84      | 30               | 83      | "                                               | Light wind and pleasant weather        |             |
| 8                  | 91                            | 83          |                       | "                 | Cloudy                    | 93          | 85                    |                   | N.N.E.                       | Cloudy      | 89                    | 84                | 30                              | 86   | 85      | 84               |         | "                                               | Moderate breezes and pleasant weather  |             |
| 9                  | 90                            | 83          |                       | "                 | "                         | 93          | 85                    |                   | N.E.                         | "           | 85                    | 83                |                                 | 86   | 85      | 84               |         | "                                               | Do do do do                            |             |
| 10                 | 89                            | 82          | 30                    | East              | "                         | 93          | 85                    |                   | "                            | "           | 88                    | 83                |                                 | 86   | 85      | 84               |         | "                                               | Do do do do                            |             |
| 11                 | 90                            | 83          |                       | "                 | Clear                     | 93          | 85                    |                   | East                         | "           | 88                    | 85                |                                 | 86   | 84      | 30               | 83      | "                                               | Do do do do                            |             |
| 12                 | 90                            | 83          |                       | Varia.            | "                         | 96          | 85                    |                   | NNE                          | Clear       | 89                    | 83                |                                 | 85   | 84      | 83               |         | "                                               | Fresh breezes and pleasant weather     |             |
| 13                 | 90                            | 83          |                       | "                 | Rain                      | 97          | 85                    |                   | "                            | "           | 90                    | 84                | 30                              | 86   | 85      | 84               | 0.250   | A.M. variable wind and rain, Noon and P.M. fair |                                        |             |
| 14                 | 90                            | 83          |                       | East              | Cloudy                    | 91          | 86                    |                   | Varia.                       | Cloudy      | 88                    | 83                | 30                              | 86   | 85      | 84               | 0.150   | Do do do do                                     |                                        |             |
| 15                 | 86                            | 83          |                       | N.N.E.            | Clear                     | 84          | 84                    |                   | NNW                          | Clear       | 84                    | 83                | 30                              | 87   | 85      | 83               | None    | Moderate breezes and pleasant weather           |                                        |             |
| 16                 | 90                            | 84          | 30                    | East              | "                         | 85          | 85                    |                   | N.N.E.                       | "           | 89                    | 86                | 30                              | 86   | 85      | 15               | 84      | 30                                              | "                                      | Do do do do |
| 17                 | 89                            | 84          | 30                    | "                 | "                         | 91          | 85                    |                   | East                         | "           | 84                    | 85                |                                 | 86   | 84      | 30               | 83      | "                                               | Do do do do                            |             |
| 18                 | 85                            | 84          | 30                    | NNE               | "                         | 83          | 85                    | 30                | NNE                          | Cloudy      | 85                    | 85                |                                 | 87   | 84      | 30               | 82      | "                                               | Do do do do                            |             |
| 19                 | 85                            | 83          | 30                    | Varia.            | "                         | 92          | 85                    |                   | "                            | Clear       | 84                    | 84                | 30                              | 86   | 84      | 30               | 83      | "                                               | Fresh breezes and pleasant weather     |             |
| 20                 | 84                            | 81          |                       | "                 | Rain                      | 90          | 84                    |                   | "                            | Cloudy      | 80                    | 84                |                                 | 86   | 85      | 84               | 0.250   | A.M. variable wind and rain, Noon and P.M. fair |                                        |             |
| 21                 | 85                            | 83          |                       | N.W.              | Clear                     | 91          | 85                    |                   | "                            | "           | 83                    | 84                |                                 | 86   | 84      | 30               | 83      | None                                            | Moderate breezes and pleasant weather  |             |
| 22                 | 85                            | 83          |                       | "                 | Cloudy                    | 91          | 85                    |                   | N.W.                         | Clear       | 80                    | 84                |                                 | 87   | 85      | 30               | 84      | "                                               | Do do do do                            |             |
| 23                 | 81                            | 83          |                       | E.S.E.            | Clear                     | 80          | 85                    |                   | "                            | "           | 80                    | 84                |                                 | 86   | 85      | 84               |         | "                                               | Do do do do                            |             |
| 24                 | 80                            | 84          | 30                    | S.W.              | "                         | 87          | 85                    |                   | E.S.E.                       | "           | 76                    | 85                |                                 | 86   | 84      | 82               | "       | "                                               | Light wind and pleasant weather        |             |
| 25                 | 82                            | 83          |                       | NW                | Cloudy                    | 90          | 84                    | 30                | WSW                          | Cloudy      | 79                    | 85                |                                 | 85   | 84      | 30               | 84      | "                                               | Fresh breezes and cloudy weather       |             |
| 26                 | 84                            | 83          |                       | "                 | Clear                     | 87          | 84                    |                   | "                            | "           | 78                    | 84                |                                 | 85   | 84      | 30               | 84      | "                                               | Moderate breezes and pleasant weather  |             |
| 27                 | 85                            | 85          |                       | N.E.              | Cloudy                    | 92          | 84                    |                   | Varia.                       | Clear       | 79                    | 83                |                                 | 85   | 84      | 30               | 84      | "                                               | Light variable wind and cloudy weather |             |
| 28                 | 85                            | 83          | 30                    | WSW               | Clear                     | 93          | 85                    |                   | East                         | "           | 78                    | 83                |                                 | 86   | 84      | 30               | 83      | "                                               | Moderate breezes and pleasant weather  |             |
| 29                 | 90                            | 83          |                       | "                 | Clear                     | 93          | 85                    | 30                | N.W.                         | "           | 82                    | 84                |                                 | 86   | 85      | 84               |         | "                                               | Do do do do                            |             |
| 30                 | 85                            | 83          |                       | WNW               | "                         | 91          | 84                    | 30                | Varia.                       | "           | 83                    | 83                |                                 | 85   | 83      | 30               | 92      | 0.120                                           | Variable wind and passing shower       |             |

R. BELL,—3rd Keeper.

METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF MAY 1865

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THE STRAITS GOVERNMENT GAZETTE, JULY 7, 1865.

| Date of the Month.                        | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER |             |             | PLU-<br>VIOMETER | REMARKS                                                      |
|-------------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|---------------------------------|-------------|-------------|------------------|--------------------------------------------------------------|
|                                           | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                         | Mean        | Minimum     |                  |                                                              |
| 1                                         | 30.10                         | 83° 00'     | S.W.                  | Clear             | 30.12                     | 84° 30'     | Varia.                | Cloudy            | 30.10                        | 83° 30'     | Varia.                | Cloudy            | 84° 00'                         | 83° 20'     | 82° 40'     | None             | Fresh breezes and cloudy weather.                            |
| 2                                         | 30.07                         | 84° 30'     | South                 | Cloudy            | 30.10                     | 85°         | East                  | Clear             | 30.07                        | 84°         | S.S.E.                | Clear             | 85°                             | 84° 15'     | 83° 30'     | "                | Moderate breezes and pleasant weather                        |
| 3                                         | 30.09                         | 84°         | Calm                  | Clear             | 30.12                     | 85° 30'     | N.W.                  | "                 | 30.06                        | 83°         | East                  | "                 | 85° 30'                         | 84° 45'     | 84°         | "                | A.M. calm, Noon and P.M. light breezes                       |
| 4                                         | 30.04                         | 83°         | Varia.                | Cloudy            | 30.12                     | 85° 30'     | East                  | "                 | 30.04                        | 83°         | S.W.                  | "                 | 85°                             | 84° 15'     | 83° 30'     | "                | Light breezes and pleasant weather                           |
| 5                                         | 30.02                         | 82° 30'     | West                  | squally           | 30.10                     | 85°         | W.S.W.                | Cloudy            | 30.07                        | 84°         | West                  | Cloudy            | 84°                             | 83° 30'     | 83°         | "                | Fresh breezes and squally appearance throughout.             |
| 6                                         | 30.05                         | 83° 30'     | S.S.E.                | Clear             | 30.10                     | 85°         | "                     | Clear             | 30.05                        | 84°         | "                     | squally           | 84°                             | 83° 15'     | 82° 30'     | "                | A.M. and Noon light and calm, P.M. fresh and squally.        |
| 7                                         | 30.07                         | 84°         | South                 | "                 | 30.09                     | 85°         | E.N.E.                | "                 | 30.06                        | 83°         | Varia.                | Clear             | 86°                             | 84° 30'     | 83°         | "                | Fresh bustling breezes and pleasant weather                  |
| 8                                         | 30.08                         | 82° 30'     | West                  | "                 | 30.09                     | 85° 30'     | West                  | "                 | 30.05                        | 83°         | "                     | "                 | 85° 30'                         | 84°         | 82° 30'     | "                | Light breezes and pleasant weather                           |
| 9                                         | 30.06                         | 82° 30'     | Calm                  | "                 | 30.08                     | 85°         | Calm                  | "                 | 30.04                        | 84°         | S.E.                  | "                 | 84° 30'                         | 83° 45'     | 83°         | "                | Light variable airs and calm and pleasant weather            |
| 10                                        | 29.90                         | 82°         | S.E.                  | "                 | 29.99                     | 85° 30'     | S.E.                  | squally           | 29.87                        | 84°         | Calm                  | "                 | 86°                             | 85° 45'     | 85°         | "                | Light variable and squally appearance                        |
| 11                                        | 30.00                         | 84°         | W.N.W.                | squally           | 30.09                     | 86°         | Calm                  | Clear             | 29.85                        | 84°         | S.E.                  | "                 | 86° 30'                         | 85° 45'     | 85°         | "                | Light airs and calm at interval and pleasant weather.        |
| 12                                        | 30.00                         | 83° 30'     | Clear                 | "                 | 30.09                     | 85° 30'     | "                     | "                 | 30.00                        | 83° 40'     | N.E.                  | squally           | 86°                             | 85°         | 84°         | "                | Light variable airs and squally appearance                   |
| 13                                        | 30.06                         | 83°         | Varia.                | squally           | 30.09                     | 84°         | "                     | squally           | 30.00                        | 83°         | N.W.                  | Cloudy            | 84° 30'                         | 83° 30'     | 82° 30'     | "                | Do. do do do                                                 |
| 14                                        | 30.03                         | 83° 30'     | Cloudy                | "                 | 30.09                     | 84°         | N.E.                  | Clear             | 30.00                        | 83°         | N.E.                  | squally           | 84°                             | 83° 15'     | 82° 30'     | "                | Moderate breezes and pleasant weather                        |
| 15                                        | 30.00                         | 82°         | N.W.                  | squally           | 30.04                     | 81°         | West                  | Rain              | 30.05                        | 83°         | North                 | Cloudy            | 84°                             | 82° 45'     | 81° 30'     | 0.700            | A.M. fresh breezes and rain, Noon and P.M. cloudy            |
| 16                                        | 30.01                         | 83° 30'     | Clear                 | "                 | 30.07                     | 85° 30'     | Calm                  | Clear             | 30.09                        | 83° 50'     | E.N.E.                | Clear             | 86°                             | 84° 30'     | 83°         | None             | Light variable breezes and calm and pleasant weather.        |
| 17                                        | 30.05                         | 82°         | West                  | squally           | 30.09                     | 84° 30'     | Varia.                | Cloudy            | 30.00                        | 82°         | N.N.E.                | Cloudy            | 84° 30'                         | 83° 15'     | 82°         | "                | A.M. fresh breezes, Noon and P.M. light and pleasant weather |
| 18                                        | 30.01                         | 83° 30'     | Calm                  | Clear             | 30.08                     | 86°         | Calm                  | Clear             | 30.09                        | 83° 30'     | S.E.                  | Clear             | 86°                             | 85°         | 84°         | "                | A.M. and Noon calm, P.M. light variable and pleasant weather |
| 19                                        | 30.07                         | 83°         | West                  | Cloudy            | 30.09                     | 85° 30'     | Varia.                | "                 | 30.00                        | 84°         | N.W.                  | Cloudy            | 85° 20'                         | 84° 10'     | 83°         | "                | Light breezes and calm and cloudy weather                    |
| 20                                        | 30.05                         | 82° 30'     | W.N.W.                | squally           | 30.09                     | 85°         | "                     | "                 | 30.02                        | 82° 30'     | "                     | Clear             | 84° 20'                         | 83° 55'     | 83° 20'     | "                | A.M. fresh breezes and squally, Noon and P.M. light          |
| 21                                        | 30.02                         | 84°         | Clear                 | "                 | 30.09                     | 86°         | West                  | "                 | 30.00                        | 81°         | S.W.                  | Cloudy            | 85° 50'                         | 84° 10'     | 82° 50'     | "                | Moderate breezes and pleasant weather                        |
| 22                                        | 30.03                         | 83°         | S.E.                  | "                 | 30.06                     | 85° 30'     | S.E.                  | "                 | 30.00                        | 83° 50'     | S.E.                  | Clear             | 86°                             | 84° 30'     | 83°         | "                | Light breezes and pleasant weather                           |
| 23                                        | 30.01                         | 83°         | "                     | "                 | 30.07                     | 85° 30'     | "                     | "                 | 30.00                        | 83°         | "                     | equally           | 83° 30'                         | 84°         | 82° 30'     | "                | Moderate breezes and pleasant weather                        |
| 24                                        | 30.04                         | 83°         | "                     | "                 | 30.06                     | 85°         | E.S.E.                | "                 | 30.00                        | 84°         | E.S.E.                | "                 | 85°                             | 84°         | 83°         | "                | Light breezes and pleasant weather                           |
| 25                                        | 30.02                         | 83° 30'     | "                     | "                 | 30.08                     | 85°         | Calm                  | "                 | 30.01                        | 83°         | S.E.                  | Clear             | 86°                             | 84°         | 82°         | "                | Do. do do do                                                 |
| 26                                        | 30.03                         | 83° 20'     | E.S.E.                | "                 | 30.07                     | 86°         | E.S.E.                | "                 | 30.02                        | 83° 20'     | "                     | "                 | 86°                             | 84° 30'     | 83°         | "                | Do. do do do                                                 |
| 27                                        | 30.02                         | 84°         | Varia.                | "                 | 30.04                     | 86° 30'     | Varia.                | squally           | 30.06                        | 84° 20'     | "                     | "                 | 87°                             | 85° 30'     | 84°         | "                | Light variable airs and squally appearance                   |
| 28                                        | 30.00                         | 84°         | S.E.                  | "                 | 30.02                     | 85° 30'     | "                     | "                 | 30.00                        | 83° 20'     | Calm                  | Cloudy            | 86°                             | 84° 30'     | 83°         | "                | Do. do do do                                                 |
| 29                                        | 30.01                         | 83°         | "                     | "                 | 30.01                     | 84° 30'     | "                     | "                 | 30.00                        | 83°         | "                     | Clear             | 85°                             | 83° 30'     | 82°         | "                | Variable wind and squally appearance                         |
| 30                                        | 30.00                         | 83°         | Calm                  | "                 | 30.01                     | 85° 30'     | Calm                  | Clear             | 30.00                        | 84°         | E.N.E.                | "                 | 86°                             | 84° 40'     | 83° 20'     | "                | Light airs and calm and pleasant weather                     |
| 31                                        | 30.00                         | 84° 30'     | "                     | "                 | 30.01                     | 86° 30'     | E.N.E.                | "                 | 30.08                        | 85°         | East                  | "                 | 87°                             | 85° 30'     | 84°         | "                | Do. do do do                                                 |
| Means                                     | 30.06                         | 83° 21'     | "                     | "                 | 30.08                     | 85° 16' 07" | "                     | "                 | 30.01                        | 83° 20' 58" | "                     | "                 | 85° 14' 00"                     | 84° 04' 03" | 83° 04' 14" | 0.700            |                                                              |
| Means of Corresponding month of 1st year. | 30.08                         | 83° 16' 27" | "                     | "                 | 30.11                     | 85° 16' 41" | "                     | "                 | 30.01                        | 83° 24' 17" | "                     | "                 | 84° 07' 47"                     | 83° 26' 27" | 82° 32' 54" | 1.400            |                                                              |

J. W. FLORY

METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF JULY 1865

| Day of the Month. | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER |        |         | FLU- VIOMETER | REMARKS                                                         |
|-------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|---------------------------------|--------|---------|---------------|-----------------------------------------------------------------|
|                   | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                         | Mean   | Minimum |               |                                                                 |
| 1                 | 29.84                         | 83.00'      | South                 | Cloudy            | 29.99                     | 85.00'      | S.W.                  | Cloudy            | 29.83                        | 84.00'      | SW                    | Cloudy            | 87.00'                          | 85.00' | 83.00'  | None          | Moderate breezes and pleasant weather                           |
| 2                 | 87                            | 83          | S.E.                  | "                 | 99                        | 84 30       | "                     | "                 | 84                           | 84          | "                     | "                 | 86                              | 84     | 82      | "             | Do do do do                                                     |
| 3                 | 92                            | 82          | S.W.                  | squally           | 92                        | 83          | "                     | "                 | 86                           | 82          | "                     | "                 | 86                              | 84 30  | 83      | "             | A.M. squally, Noon and P.M. fresh breezes and cloudy            |
| 4                 | 91                            | 82          | "                     | Cloudy            | 93                        | 83          | "                     | "                 | 87                           | 83          | West                  | "                 | 85                              | 83 30  | 82      | "             | Moderate breezes and pleasant weather                           |
| 5                 | 90                            | 82          | "                     | "                 | 92                        | 84          | West                  | "                 | 84                           | 83          | "                     | "                 | 86                              | 84     | 82      | "             | Do do do do                                                     |
| 6                 | 89                            | 82          | "                     | "                 | 93                        | 84 30       | "                     | "                 | 84                           | 84          | "                     | "                 | 86                              | 81 30  | 83      | "             | Do do do do                                                     |
| 7                 | 89                            | 82          | S.E.                  | Cloudy            | 99                        | 85          | S.W.                  | "                 | 90                           | 84          | SW                    | "                 | 86                              | 81     | 82      | "             | Fresh breezes and pleasant weather                              |
| 8                 | 89                            | 82          | "                     | Clear             | 94                        | 84 30       | S.E.                  | "                 | 89                           | 84          | S.E.                  | "                 | 86                              | 84     | 82      | "             | Do do do do                                                     |
| 9                 | 89                            | 82          | "                     | Clear             | 94                        | 84          | "                     | Clear             | 88                           | 85          | Calm                  | Clear             | 87                              | 85     | 83      | "             | Light airs and calm throughout                                  |
| 10                | 91                            | 83          | "                     | "                 | 99                        | 85          | "                     | Cloudy            | 92                           | 84          | E.S.E.                | Cloudy            | 88                              | 85     | 82      | "             | Fresh breezes and cloudy weather                                |
| 11                | 92                            | 84          | "                     | Cloudy            | 92                        | 85          | "                     | squally           | 87                           | 84          | S.E.                  | "                 | 87                              | 85 30  | 84      | 150           | A.M. fresh breezes, Noon squally, P.M. fresh breezes            |
| 12                | 90                            | 83          | "                     | squally           | 91                        | 84          | "                     | Cloudy            | 85                           | 83 30       | "                     | "                 | 87                              | 85     | 83      | 450           | A.M. squally, Noon and P.M. cloudy throughout                   |
| 13                | 88                            | 83          | "                     | Clear             | 90                        | 84 30       | "                     | Cloudy            | 84                           | 84          | "                     | "                 | 86                              | 84 30  | 83      | None          | A.M. fresh breezes, Noon squally, P.M. fresh breezes            |
| 14                | 88                            | 83          | "                     | Cloudy            | 90                        | 85          | "                     | Cloudy            | 86                           | 83 30       | "                     | "                 | 87                              | 84 05  | 81 30   | "             | Fresh breezes and cloudy weather throughout                     |
| 15                | 92                            | 82          | "                     | "                 | 99                        | 85          | "                     | Clear             | 85                           | 83          | SW                    | "                 | 86                              | 84     | 83      | "             | Fresh breezes and pleasant weather                              |
| 16                | 90                            | 83          | South                 | Clear             | 91                        | 84 30       | N.W.                  | squally           | 84                           | 83          | South                 | Clear             | 86                              | 83 30  | 82      | "             | A.M. light air, Noon passing squalls, and P.M. clear            |
| 17                | 92                            | 83          | S.S.E.                | "                 | 99                        | 84          | E.S.E.                | Clear             | 90                           | 84 30       | S.E.                  | "                 | 87                              | 85     | 82      | "             | Fresh breezes and pleasant weather                              |
| 18                | 93                            | 84          | SW                    | "                 | 91                        | 85          | SW                    | Cloudy            | 89                           | 82          | "                     | "                 | 86                              | 84     | 81      | "             | Do do do do                                                     |
| 19                | 90                            | 82          | "                     | Cloudy            | 91                        | 85          | S.E.                  | "                 | 88                           | 83 30       | West                  | Cloudy            | 87                              | 85     | 83      | "             | Fresh breezes and cloudy weather throughout                     |
| 20                | 89                            | 82 30       | South                 | "                 | 91                        | 84          | South                 | "                 | 89                           | 83          | S.E.                  | "                 | 86                              | 81     | 82      | "             | Do do do do [min]                                               |
| 21                | 90                            | 82          | SW                    | Clear             | 99                        | 85          | SW                    | Clear             | 87                           | 82          | Varia.                | Rainy             | 87                              | 85     | 83      | 250           | A.M. light air, Noon and P.M. fresh variable attended with      |
| 22                | 93                            | 84          | Calm                  | "                 | 97                        | 84          | S.E.                  | squally           | 90                           | 82          | SW                    | Clear             | 86                              | 84 15  | 82 30   | None          | A.M. calm, Noon fresh breezes & passing squalls, P.M. light air |
| 23                | 92                            | 83          | SW                    | "                 | 98                        | 84 30       | South                 | Cloudy            | 94                           | 83          | WSW                   | "                 | 86                              | 84 30  | 83      | "             | Moderate breezes and pleasant weather                           |
| 24                | 93                            | 83 30       | South                 | Cloudy            | 96                        | 84          | Varia.                | Hazy              | 87                           | 82          | SE                    | Hazy              | 85                              | 83 30  | 82      | "             | Fresh variable breezes and hazy weather throughout              |
| 25                | 92                            | 83          | SW                    | Clear             | 99                        | 85          | SE                    | Cloudy            | 84                           | 83 30       | South                 | Clear             | 85                              | 83 30  | 82      | "             | Moderate breezes and pleasant weather                           |
| 26                | 89                            | 82          | "                     | "                 | 98                        | 85 30       | West                  | Clear             | 84                           | 83          | SW                    | "                 | 85                              | 81 15  | 83 30   | "             | Do do do do                                                     |
| 27                | 88                            | 82          | S.E.                  | Cloudy            | 92                        | 84          | SW                    | squally           | 86                           | 82 30       | "                     | Cloudy            | 86                              | 84 30  | 83      | "             | Fresh breezes and cloudy weather throughout                     |
| 28                | 90                            | 83          | SW                    | Clear             | 95                        | 85          | West                  | Cloudy            | 90                           | 85          | "                     | Clear             | 85                              | 83 45  | 82 30   | "             | Moderate breezes and pleasant weather                           |
| 29                | 92                            | 82 30       | South                 | "                 | 94                        | 84 30       | SW                    | "                 | 90                           | 84          | South                 | Cloudy            | 85 30                           | 81 15  | 83      | "             | A.M. light air, Noon and P.M. fresh and pleasant                |
| 30                | 90                            | 82          | "                     | Cloudy            | 92                        | 83 30       | South                 | "                 | 90                           | 82          | SW                    | Hazy              | 85                              | 83 45  | 82 30   | "             | Moderate breezes and cloudy weather throughout                  |
| 31                | 91                            | 82          | West                  | Clear             | 91                        | 83          | "                     | squally           | 90                           | 82 30       | "                     | Clear             | 86                              | 84     | 82      | "             | A.M. light air, Noon passing squall, P.M. fine                  |

R. BELL.



METEOROLOGICAL REGISTER OF THE HORSEBURGH LIGHT HOUSE, FOR THE MONTH OF SEPTEMBER 1865.

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THE STRAITS GOVERNMENT GAZETTE, OCTOBER 20, 1865.

| Days of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETERS |         |         | PLU-<br>VIOMETER<br><br>Inches of rain in 24 hours read 6 P.M. | REMARKS                                                       |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|---------|---------|----------------------------------------------------------------|---------------------------------------------------------------|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean    | Minimum |                                                                |                                                               |
| 1                                      | 29.912                        | 82° 30'     | West                  | squally           | 30.040                    | 87° 30'     | Varia.                | Rain              | 29.922                       | 82° 30'     | Varia.                | Rain              | 84° 30'                          | 83° 15' | 82°     | 1 500                                                          | Fresh breezes with passing squalls and rain                   |
| "                                      | 908                           | 83          | S.E.                  | Clear             | 29.991                    | 84          | "                     | "                 | " 900                        | 83          | S.E.                  | Cloudy            | 81 30                            | 83 25   | 82 20   | " 250                                                          | Moderate breezes attended with light rain                     |
| "                                      | 896                           | 83 30       | S.E.                  | "                 | " 990                     | 85 30       | S.E.                  | Clear             | " 860                        | 84          | "                     | "                 | 86                               | 81 30   | 83      | " "                                                            | Moderate breezes and pleasant weather                         |
| "                                      | 900                           | 83          | Varia.                | squally           | " 998                     | 84          | South                 | Rain              | " 908                        | 82 30       | Varia.                | Rain              | 84 30                            | 83 15   | 82      | " 550                                                          | A.M. moderate breezes. Noon and P.M. squally with rain        |
| "                                      | 896                           | 83 30       | S.E.                  | Clear             | " 980                     | 85 30       | West                  | squally           | " 890                        | 83 30       | S.E.                  | Cloudy            | 86                               | 84 30   | 83      | " "                                                            | A.M. light winds, Noon fresh breezes, P.M. light airs         |
| "                                      | 882                           | 82 30       | Calm                  | "                 | " 992                     | 84 30       | "                     | "                 | " 896                        | 83          | West                  | Clear             | 85                               | 83 30   | 82      | " "                                                            | A.M. calm, Noon and P.M. fresh breezes and cloudy             |
| "                                      | 924                           | 82 30       | West                  | squally           | " 998                     | 84 30       | "                     | "                 | " 900                        | 82 30       | "                     | "                 | 84 30                            | 83 15   | 82      | " "                                                            | Fresh breezes and a squally appearance                        |
| "                                      | 896                           | 82 30       | SW                    | "                 | " 992                     | 84 30       | SW                    | "                 | " 900                        | 83          | SW                    | "                 | 85                               | 81      | 83      | " "                                                            | A.M. fresh breezes, Noon & P.M. moderate breezes & pleasant   |
| "                                      | 908                           | 82 30       | "                     | "                 | " 971                     | 84 30       | South                 | Clear             | " 906                        | 83          | SE                    | "                 | 85                               | 83 30   | 82 30   | " 200                                                          | A.M. heavy squalls with rain, Noon & P.M. light winds & clear |
| "                                      | 872                           | 83          | S.S.W                 | "                 | " 981                     | 85          | "                     | "                 | " 894                        | 83 30       | South                 | "                 | 85                               | 84      | 83      | " "                                                            | Light variable winds and fine pleasant weather                |
| "                                      | 900                           | 83          | "                     | "                 | " 980                     | 85          | "                     | "                 | " 894                        | 83          | "                     | "                 | 85                               | 84      | 83      | " "                                                            | Moderate breezes and pleasant weather throughout              |
| "                                      | 896                           | 82 30       | S.E.                  | Cloudy            | " 992                     | 85          | S.E.                  | Rain              | " 892                        | 83          | S.E.                  | "                 | 85                               | 83 45   | 82 30   | " 300                                                          | A.M. squally with rain, Noon and P.M. moderate breezes        |
| "                                      | 900                           | 83          | SSW                   | Clear             | " 992                     | 85          | SSW                   | Clear             | " 896                        | 83          | SW                    | "                 | 85                               | 84      | 83      | " "                                                            | Moderate breezes and pleasant weather throughout              |
| "                                      | 894                           | 82          | SSW                   | "                 | " 994                     | 85          | "                     | "                 | " 884                        | 83 30       | S.S.W                 | "                 | 85                               | 84      | 83      | " "                                                            | Do do do                                                      |
| "                                      | 996                           | 81          | WSW                   | Rain              | 30.006                    | 83          | WSW                   | Rain              | " 850                        | 80 30       | S.W.                  | Cloudy            | 84                               | 83      | 82      | " 200                                                          | Fresh breezes and cloudy attended with passing showers        |
| "                                      | 854                           | 82 30       | WSW                   | Clear             | 22.992                    | 84 30       | S.W.                  | Clear             | " 872                        | 82 30       | "                     | Clear             | 85                               | 84      | 83      | " "                                                            | Moderate breezes and pleasant weather throughout              |
| "                                      | 892                           | 83          | S.E.                  | "                 | " 980                     | 85 30       | S.E.                  | "                 | " 860                        | 83 30       | S.E.                  | "                 | 86                               | 84 30   | 83      | " "                                                            | Do do do do                                                   |
| "                                      | 890                           | 83          | "                     | "                 | " 990                     | 85 30       | "                     | "                 | " 890                        | 84          | "                     | "                 | 86                               | 84 30   | 83      | " "                                                            | Do do do do                                                   |
| "                                      | 920                           | 82          | West                  | squally           | " 998                     | 84 30       | West                  | "                 | " 894                        | 83          | West                  | "                 | 86                               | 84 15   | 82 30   | " "                                                            | A.M. heavy squalls, Noon and P.M. fresh breezes               |
| "                                      | 862                           | 83          | Calm                  | Clear             | " 990                     | 86          | Calm                  | "                 | " 864                        | 81          | East                  | "                 | 86                               | 81 30   | 84      | " "                                                            | Light airs and calm and pleasant weather throughout           |
| "                                      | 872                           | 83          | S.E.                  | Cloudy            | " 980                     | 86          | "                     | "                 | " 862                        | 81 30       | E.S.E.                | "                 | 86                               | 85      | 84      | " "                                                            | A.M. and Noon light airs, P.M. fresh breezes                  |
| "                                      | 864                           | 83          | "                     | "                 | " 990                     | 86          | S.E.                  | Cloudy            | " 850                        | 84 30       | Calm                  | Cloudy            | 86                               | 81 45   | 83 30   | " "                                                            | Light winds and pleasant weather throughout                   |
| "                                      | 872                           | 83          | E.S.E.                | Clear             | " 898                     | 85          | "                     | squally           | " 848                        | 84          | E.S.E.                | Clear             | 85 30                            | 84      | 82 30   | " 450                                                          | A.M. light winds, Noon squally, P.M. light airs               |
| "                                      | 876                           | 83          | "                     | "                 | " 902                     | 85 30       | "                     | "                 | " 852                        | 83          | "                     | "                 | 84                               | 82      | 80      | " 325                                                          | Do do do do                                                   |
| "                                      | 912                           | 82          | "                     | "                 | " 908                     | 86          | WSW                   | Cloudy            | " 872                        | 85          | WSW                   | "                 | 85                               | 83 30   | 82      | " "                                                            | Moderate breezes and pleasant weather throughout              |
| "                                      | 924                           | 82          | SW                    | "                 | " 942                     | 85          | S.E.                  | squally           | " 876                        | 84          | "                     | Cloudy            | 85                               | 84      | 83      | " 175                                                          | A.M. fresh breezes, Noon squally, P.M. moderate breezes       |
| "                                      | 928                           | 82          | "                     | squally           | 30.004                    | 84          | S.W.                  | Cloudy            | " 992                        | 82          | S.W.                  | "                 | 85 30                            | 83 45   | 82      | " "                                                            | A.M. squally, Noon and P.M. fresh breezes and cloudy          |
| "                                      | 912                           | 82          | "                     | Clear             | 29.996                    | 84 30       | S.E.                  | squally           | " 828                        | 83          | "                     | "                 | 81                               | 83      | 82      | " 250                                                          | A.M. moderate breezes, Noon squally, P.M. moderate breezes    |
| "                                      | 898                           | 81 30       | "                     | Cloudy            | " 998                     | 84          | S.W.                  | "                 | " 874                        | 84          | "                     | "                 | 81                               | 83      | 82      | " 250                                                          | Do do do do                                                   |
| "                                      | 928                           | 81          | "                     | "                 | " 952                     | 83          | "                     | Clear             | " 864                        | 84 30       | "                     | "                 | 85                               | 83      | 81      | " "                                                            | Moderate breezes and pleasant weather throughout              |
| Means                                  | 29.900                        | 82° 32'     | S.S.W                 | Cloudy            | 29.983                    | 84° 47'     | S.S.W                 | Clear             | 29.879                       | 83° 17'     | S.W.                  | Clear             | 84° 46'                          | 83° 37' | 82° 21' | 4 450                                                          |                                                               |
| Mean of Corresponding Month last year. | 29.742                        | 82° 56'     | WSW                   | Clear             | 29.983                    | 83° 32'     | S.S.W                 | Cloudy            | 29.454                       | 82° 48'     | S.S.W                 | Clear             | 84° 19'                          | 83°     | 81° 41' | 2 475                                                          |                                                               |

T. TODD, — Senior Keeper.

M. PROTHEROE, Lieut.,  
Deputy Secretary to Government,  
Straits Settlement.

**METEOROLOGICAL REGISTER OF THE HORSBURGH LIGHT HOUSE, FOR THE MONTH OF OCTOBER 1865.**

| Days of the Month.                    | OBSERVATIONS MADE AT SIX HOURS |             |                   | OBSERVATIONS MADE AT NOON |             |                       | OBSERVATIONS MADE AT SUN SET |                       |                   | MAXIMUM AND MINIMUM THERMOMETERS |      |         | PLUVIOMETER<br>Inches. | REMARKS |                                                              |
|---------------------------------------|--------------------------------|-------------|-------------------|---------------------------|-------------|-----------------------|------------------------------|-----------------------|-------------------|----------------------------------|------|---------|------------------------|---------|--------------------------------------------------------------|
|                                       | Barometer                      | Thermometer | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Thermometer                  | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean | Minimum |                        |         |                                                              |
|                                       |                                |             |                   |                           |             |                       |                              |                       |                   |                                  |      |         |                        |         |                                                              |
| 1                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | S.E.                  | 55                           | 00                    | SE                | Cloudy                           | 85   | 82      | 00                     | None    | Fresh breezes and pleasant weather                           |
| 2                                     | 29.81                          | 83          | Clear             | 29.88                     | 84          | S.E.                  | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 3                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | West                  | 56                           | 00                    | West              | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 4                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | SE                | Cloudy                           | 85   | 83      | 00                     | "       | do                                                           |
| 5                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | Varia.                | 56                           | 00                    | South             | squally                          | 85   | 83      | 00                     | 0.450   | A.M. and Noon light variable wind, and P.M. squally          |
| 6                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | South                 | 56                           | 00                    | South             | Cloudy                           | 85   | 83      | 00                     | 0.950   | A.M. moderate breeze, Noon squally with rain, P.M. moderate  |
| 7                                     | 29.81                          | 82          | Cloudy            | 29.88                     | 84          | SE                    | 56                           | 00                    | West              | Clear                            | 85   | 83      | 00                     | None    | Moderate breeze and pleasant weather                         |
| 8                                     | 29.81                          | 82          | Cloudy            | 29.88                     | 84          | SE                    | 56                           | 00                    | Varia.            | Clear                            | 85   | 83      | 00                     | 0.975   | do                                                           |
| 9                                     | 29.81                          | 82          | Clear             | 29.88                     | 84          | SW                    | 56                           | 00                    | West              | Clear                            | 85   | 83      | 00                     | None    | A.M. light air, Noon moderate, and P.M. rain                 |
| 10                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SW                    | 56                           | 00                    | Varia.            | Clear                            | 85   | 83      | 00                     | None    | A.M. calm, Noon and P.M. moderate and pleasant               |
| 11                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | South                 | 56                           | 00                    | S.W.              | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 12                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | South                 | 56                           | 00                    | West              | Cloudy                           | 85   | 83      | 00                     | "       | do                                                           |
| 13                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SW                    | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 14                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | 0.150   | A.M. light air, Noon fresh breezes and cloudy throughout     |
| 15                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | SW                | Clear                            | 85   | 83      | 00                     | "       | Moderate breezes and pleasant weather                        |
| 16                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | South                 | 56                           | 00                    | S.E.              | Rain                             | 85   | 83      | 00                     | None    | A.M. moderate breezes, Noon and P.M. fresh breezes with rain |
| 17                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | South                 | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | "       | Moderate breezes and pleasant weather                        |
| 18                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | S.E.                  | 56                           | 00                    | Varia.            | Cloudy                           | 85   | 83      | 00                     | "       | do                                                           |
| 19                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | Varia.            | Clear                            | 85   | 83      | 00                     | 0.100   | Variable breezes and cloudy weather                          |
| 20                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | 0.275   | A.M. light air, Noon fresh breezes with rain, P.M. moderate  |
| 21                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SW                    | 56                           | 00                    | Varia.            | Clear                            | 85   | 83      | 00                     | None    | Fresh variable breezes and passing squalls at interval       |
| 22                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SW                    | 56                           | 00                    | West              | Cloudy                           | 85   | 83      | 00                     | "       | Moderate breezes and cloudy throughout                       |
| 23                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | WNW                   | 56                           | 00                    | South             | squally                          | 85   | 83      | 00                     | "       | A.M. and Noon fresh variable breezes and squally, P.M. light |
| 24                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | Calm                  | 56                           | 00                    | Calm              | Clear                            | 85   | 83      | 00                     | 0.350   | A.M. calm, Noon and P.M. fresh breezes and squally with rain |
| 25                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | West                  | 56                           | 00                    | West              | squally                          | 85   | 83      | 00                     | None    | Fresh breezes and cloudy weather throughout                  |
| 26                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | West                  | 56                           | 00                    | WSW               | Clear                            | 85   | 83      | 00                     | 0.125   | A.M. rain, Noon and P.M. fresh breezes and pleasant          |
| 27                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | East                  | 56                           | 00                    | South             | Clear                            | 85   | 83      | 00                     | None    | do                                                           |
| 28                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | SE                    | 56                           | 00                    | SE                | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 29                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | East                  | 56                           | 00                    | Varia.            | Cloudy                           | 85   | 83      | 00                     | "       | do                                                           |
| 30                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | West                  | 56                           | 00                    | West              | Clear                            | 85   | 83      | 00                     | "       | do                                                           |
| 31                                    | 29.81                          | 82          | Clear             | 29.88                     | 84          | North                 | 56                           | 00                    | squally           | Cloudy                           | 85   | 83      | 00                     | 0.875   | Light variable wind and calm and cloudy weather              |
| Means                                 | 29.81                          | 82          | "                 | 29.88                     | 84          | "                     | 56                           | 00                    | "                 | "                                | 85   | 83      | 00                     | 4.550   | Fresh breezes and squally with rain throughout               |
| Mean of Corresponding Month last year | 29.91                          | 81          | "                 | 29.97                     | 83          | "                     | 54                           | 28                    | "                 | "                                | 83   | 80      | 30                     | 3.195   | "                                                            |

R. BELL.



No. 4.

1867.



# Straits Settlements

## GOVERNMENT GAZETTE.

Published by Authority.

SINGAPORE:—FRIDAY, 26TH APRIL, 1867.

### GOVERNMENT NOTIFICATION—No. 25.

C. J. Hanson, Esquire, Assistant Commissioner of Police, Malacca, has been granted leave to visit Singapore for one month, from the 12th instant.

COLONIAL SECRETARY'S OFFICE, }  
25th April, 1867.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

### GOVERNMENT NOTIFICATION—No. 26.

THE following is published for general information.

COLONIAL SECRETARY'S OFFICE, }  
25th April, 1867.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

THE Acting Colonial Surgeon Straits Settlements will receive Tenders at his Office, Bukit Timah Road, up to 12 o'clock noon, on the 28th April, 1867, for the supply of Provisions to the Lunatics in the Asylum at Singapore, from 1st May 1867 to 31st March 1868, both days inclusive.

Particulars as to Scale of Diet, &c., may be obtained at the Colonial Surgeon's Office, any day, from 7 A.M. to 4 P.M.

The successful competitor will be required to furnish securities to the extent of \$200, in Government Papers, Bank shares, or other property readily convertible into cash.

Singapore, 18th April, 1867.

J. ROSE, *Surgeon Major,*  
*Acting Colonial Surgeon, Straits Settlements.*

### GOVERNMENT NOTIFICATION—No. 27.

THE following Meteorological Register of the Horsburgh Light-house is published for general information.

COLONIAL SECRETARY'S OFFICE, }  
25th April, 1867.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

Meteorological Register of the Horsburgh Light House, for the Month of March 1867.

32 STRAITS SETTLEMENTS GOVERNMENT GAZETTE, APRIL 26, 1867.

| Days of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |           |           | PLU-<br>VIOMETER | REMARKS                                                         |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-----------|-----------|------------------|-----------------------------------------------------------------|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean      | Minimum   |                  |                                                                 |
| 1                                      | 29.91 <sup>1000</sup>         | 79 30'      | NNE                   | Cloudy            | 29.91 <sup>1000</sup>     | 79 30'      | NNE                   | Cloudy            | 29.90 <sup>1000</sup>        | 79 30'      | NNE                   | Cloudy            | 83 30'                           | 82 30'    | 81 30'    | Repairing        | Light winds and cloudy weather                                  |
| 2                                      | " 87                          | 78 30'      | NNE                   | "                 | " 88                      | 78 30'      | NNE                   | Clear             | " 86                         | 80 30'      | NNE                   | Clear             | 83 30'                           | 82 30'    | 81 30'    | "                | Fresh breezes and fine weather throughout                       |
| 3                                      | " 91                          | 78 30'      | NNE                   | Clear             | " 88                      | 78 30'      | NNE                   | "                 | " 86                         | 80 30'      | NNE                   | "                 | 83 30'                           | 82 30'    | 81 30'    | "                | Light winds and clear weather throughout                        |
| 4                                      | " 90                          | 78 30'      | "                     | "                 | " 93                      | 79 30'      | "                     | "                 | " 86                         | 80 30'      | "                     | "                 | 83 30'                           | 82 30'    | 81 30'    | "                | A.M. light winds, P.M. fresh and fine                           |
| 5                                      | " 90                          | 78 30'      | "                     | "                 | " 92                      | 79 30'      | "                     | "                 | " 87                         | 81 30'      | "                     | "                 | 83 30'                           | 82 30'    | 81 30'    | "                | Light winds and clear weather throughout                        |
| 6                                      | " 85                          | 79 30'      | "                     | "                 | " 87                      | 80 30'      | "                     | "                 | " 88                         | 81 30'      | "                     | "                 | 83 30'                           | 82 30'    | 81 30'    | "                | Do do do do                                                     |
| 7                                      | " 87                          | 79 30'      | "                     | Cloudy            | " 88                      | 80 30'      | "                     | "                 | " 82                         | 82 30'      | "                     | Cloudy            | 84 30'                           | 83 15'    | 82 30'    | "                | Fresh breezes and fine weather throughout                       |
| 8                                      | " 93                          | 79 30'      | "                     | Clear             | " 90                      | 80 30'      | "                     | "                 | " 90                         | 81 30'      | "                     | Clear             | 84 30'                           | 83 30'    | 82 30'    | "                | Light breezes throughout                                        |
| 9                                      | " 92                          | 80 30'      | "                     | Cloudy            | " 95                      | 83 30'      | "                     | Hazy              | " 90                         | 81 30'      | "                     | Hazy              | 84 30'                           | 83 30'    | 82 30'    | "                | Light breezes and hazy weather throughout                       |
| 10                                     | " 91                          | 80 30'      | "                     | Clear             | " 95                      | 81 30'      | "                     | Clear             | " 88                         | 81 30'      | "                     | Clear             | 83 30'                           | 82 45'    | 82 30'    | "                | A.M. moderate breezes, P.M. light winds                         |
| 11                                     | " 93                          | 79 30'      | "                     | Cloudy            | " 90                      | 81 30'      | NNE                   | "                 | " 90                         | 82 30'      | NNE                   | "                 | 84 30'                           | 83 30'    | 82 30'    | "                | Light breezes and clear weather throughout                      |
| 12                                     | " 95                          | 80 30'      | NNE                   | Clear             | " 96                      | 80 30'      | North                 | "                 | " 92                         | 82 30'      | "                     | "                 | 83 30'                           | 83 30'    | 82 30'    | "                | Do do do                                                        |
| 13                                     | " 94                          | 80 30'      | "                     | "                 | " 95                      | 80 30'      | "                     | "                 | " 89                         | 82 30'      | "                     | "                 | 83 30'                           | 83 30'    | 82 30'    | "                | Do do do                                                        |
| 14                                     | " 90                          | 80 30'      | NE                    | Cloudy            | " 88                      | 80 30'      | "                     | "                 | " 86                         | 81 30'      | NE                    | "                 | 83 30'                           | 83 30'    | 82 30'    | "                | A.M. light winds, P.M. fresh breezes and clear                  |
| 15                                     | " 91                          | 80 30'      | "                     | Clear             | " 95                      | 81 30'      | NNE                   | "                 | " 85                         | 83 30'      | "                     | "                 | 84 30'                           | 84 30'    | 83 30'    | "                | Light winds and clear weather throughout                        |
| 16                                     | " 87                          | 81 30'      | Calm                  | "                 | " 90                      | 81 30'      | Calm                  | "                 | " 85                         | 81 30'      | SW                    | "                 | 84 30'                           | 83 30'    | 82 30'    | "                | A.M. and Noon calm, P.M. fresh breezes                          |
| 17                                     | " 91                          | 80 30'      | NE                    | "                 | " 94                      | 81 30'      | NNE                   | "                 | " 90                         | 81 30'      | NNE                   | Hazy              | 84 30'                           | 83 30'    | 82 30'    | "                | A.M. and Noon light breezes, P.M. fresh                         |
| 18                                     | " 90                          | 81 30'      | NNW                   | "                 | " 91                      | 80 30'      | North                 | "                 | " 85                         | 81 30'      | NE                    | Clear             | 84 30'                           | 83 15'    | 82 30'    | "                | Do do do                                                        |
| 19                                     | " 94                          | 81 30'      | NNE                   | Cloudy            | " 92                      | 81 30'      | "                     | "                 | " 90                         | 81 30'      | NNE                   | "                 | 85 30'                           | 84 30'    | 84 30'    | "                | Do do do                                                        |
| 20                                     | " 94                          | 81 30'      | North                 | "                 | " 90                      | 81 30'      | NNE                   | Cloudy            | " 86                         | 81 30'      | NE                    | "                 | 85 30'                           | 84 30'    | 83 30'    | "                | Light breezes throughout, P.M. clear                            |
| 21                                     | " 86                          | 80 30'      | NE                    | "                 | " 85                      | 80 30'      | NE                    | "                 | " 82                         | 82 30'      | "                     | Cloudy            | 85 30'                           | 85 30'    | 84 30'    | "                | Light breezes throughout, P.M. cloudy                           |
| 22                                     | " 85                          | 81 30'      | East                  | Clear             | " 84                      | 80 30'      | "                     | Clear             | " 81                         | 82 30'      | "                     | Clear             | 85 30'                           | 85 30'    | 84 30'    | "                | Light breezes throughout, P.M. clear                            |
| 23                                     | " 88                          | 81 30'      | NE                    | "                 | " 87                      | 81 30'      | "                     | "                 | " 83                         | 82 30'      | "                     | "                 | 85 30'                           | 84 45'    | 84 30'    | "                | A.M. light winds, Noon fresh, P.M. light winds                  |
| 24                                     | " 85                          | 81 30'      | "                     | Cloudy            | " 84                      | 83 30'      | NNE                   | Rain              | " 82                         | 83 30'      | "                     | Cloudy            | 85 30'                           | 84 30'    | 83 30'    | "                | A.M. squally with rain, P.M. light breezes                      |
| 25                                     | " 85                          | 81 30'      | NNE                   | "                 | " 85                      | 82 30'      | NNE                   | Cloudy            | " 83                         | 82 30'      | NNE                   | "                 | 85 30'                           | 84 15'    | 83 30'    | "                | Light winds throughout and cloudy                               |
| 26                                     | " 86                          | 81 30'      | "                     | "                 | " 85                      | 83 30'      | "                     | Hazy              | " 80                         | 82 30'      | "                     | "                 | 85 30'                           | 84 45'    | 84 30'    | "                | Fresh breezes and cloudy throughout                             |
| 27                                     | " 85                          | 81 30'      | NE                    | "                 | " 88                      | 83 30'      | "                     | Cloudy            | " 83                         | 82 30'      | "                     | "                 | 85 30'                           | 84 30'    | 83 30'    | "                | A.M. squally and rain, Noon clear, P.M. light winds             |
| 28                                     | " 88                          | 81 30'      | NNE                   | "                 | " 89                      | 82 30'      | "                     | Rain              | " 85                         | 81 30'      | "                     | "                 | 85 30'                           | 84 30'    | 82 30'    | "                | Squally weather throughout with rain                            |
| 29                                     | " 86                          | 80 30'      | NE                    | "                 | " 94                      | 83 30'      | "                     | Cloudy            | " 89                         | 83 30'      | "                     | "                 | 85 30'                           | 83 30'    | 82 30'    | "                | Fresh variable breezes and passing squalls and rain at interval |
| 30                                     | " 90                          | 81 30'      | "                     | Rain squally      | " 89                      | 82 30'      | "                     | Cloudy            | " 88                         | 81 30'      | "                     | "                 | 84 30'                           | 83 15'    | 82 30'    | "                | A.M. rainy weather, Noon and P.M. cloudy and fresh              |
| 31                                     | " 97                          | 81 30'      | "                     | squally           | " 98                      | 83 30'      | "                     | Clear             | " 99                         | 82 30'      | "                     | Clear             | 85 30'                           | 83 30'    | 82 30'    | "                | A.M. squally, Noon and P.M. clear weather throughout            |
| Mean                                   | 29.90 <sup>1000</sup>         | 80-15'29'   | "                     | "                 | 29.83 <sup>1000</sup>     | 81-13'32'   | "                     | "                 | 29.86 <sup>1000</sup>        | 81-11'36'   | "                     | "                 | 84-28'30"                        | 83-31'27" | 82-36'46" | None             |                                                                 |
| Mean of Corresponding month last year. | 29.94 <sup>1000</sup>         | 81-33'52'   | "                     | "                 | 29.97 <sup>1000</sup>     | 83-40'56'   | "                     | "                 | 30.06 <sup>1000</sup>        | 82-12'31'   | "                     | "                 | 84-14'50"                        | 82-55'04" | 81-35'19" | 1.075            |                                                                 |

T. A. D'CRUZE.

No. 11.

1867.



# Straits Settlements

## GOVERNMENT GAZETTE.

Published by Authority.

SINGAPORE:—FRIDAY, 14<sup>TH</sup> JUNE, 1867.

### GOVERNMENT NOTIFICATION—No. 57.

The following is published for general information.

COLONIAL SECRETARY'S OFFICE, }  
13<sup>th</sup> June, 1867.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

#### NOTICE.

THERE will be practice with Live Shell from Fort Palmer on the mornings of Thursday and Friday, the 21<sup>st</sup> and 22<sup>nd</sup> instant, and from Fort Canning with Solid Shot on Thursday and Friday, the 28<sup>th</sup> and 29<sup>th</sup> instant.

Direction of range from Fort Palmer—one target—E.S.E.  
" " from Fort Canning—one target—East.

Firing to commence at a little before 6 o'clock each morning.

R. G. H. GRANT, *Lieut.-Col.,*  
*D. Brigade, R.H. Artillery,*  
*Commanding R. A. Straits District.*

T. C. GEORGES, *Major, Staff Officer.*

### GOVERNMENT NOTIFICATION—No. 58.

THE following Meteorological Register of the Horsburgh Light-house is published for general information.

By His Excellency's Command,

COLONIAL SECRETARY'S OFFICE, }  
13<sup>th</sup> June, 1867.

R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

Meteorological Register of the Horsburgh Light-house for the Month of April, 1867.

104 STRAITS SETTLEMENTS GOVERNMENT GAZETTE, JUNE 14, 1867.

| Date of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |           |           | PLU-<br>VIOME-<br>TER | RE MARKS.                                              |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-----------|-----------|-----------------------|--------------------------------------------------------|
|                                        | Barometer.                    | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean      | Minimum   |                       |                                                        |
| 1                                      | 29.89                         | 81.00'      | ENE                   | Rain              | 29.90                     | 82.00'      | NNE                   | Cloudy            | 29.91                        | 83.00'      | NNE                   | Cloudy            | 84.30'                           | 83.30'    | 82.30'    | None                  | A.M. light breezes and rain, Noon and P.M. squally     |
| 2                                      | 90                            | 81.30       | "                     | Cloudy            | 95                        | 82.30       | "                     | Clear             | 97                           | 83.30       | "                     | Clear             | 85                               | 84        | 83        | "                     | A.M. and Noon moderate breezes, P.M. fresh and clear   |
| 3                                      | 95                            | 82          | "                     | Clear             | 97                        | 82.30       | "                     | Clear             | 98                           | 84          | "                     | Clear             | 85.30                            | 84        | 82.30     | "                     | Do do do do                                            |
| 4                                      | 97                            | 82          | "                     | Clear             | 94                        | 82          | Varia.                | "                 | 92                           | 83          | "                     | "                 | 84.30                            | 83.30     | 82.30     | "                     | A.M. light breezes, Noon fresh and squally, P.M. clear |
| 5                                      | 90                            | 81.30       | NE                    | squally           | 92                        | 82          | "                     | Cloudy            | 95                           | 83          | "                     | Cloudy            | 85                               | 83.45     | 82.30     | "                     | Fresh variable breezes and squally weather             |
| 6                                      | 89                            | 80          | ENE                   | Rain              | 87                        | 81          | "                     | Clear             | 90                           | 82          | "                     | Clear             | 84.30                            | 83.30     | 82.30     | "                     | A.M. and Noon squally and rain, P.M. calm              |
| 7                                      | 90                            | 81          | "                     | Clear             | 94                        | 82.30       | "                     | "                 | 97                           | 83.30       | NNE                   | "                 | 85                               | 84        | 83        | "                     | Moderate breezes and clear weather throughout          |
| 8                                      | 92                            | 81          | "                     | "                 | 90                        | 82          | NNE                   | "                 | 94                           | 82          | Varia.                | "                 | 85.30                            | 84        | 82.30     | "                     | Variable breezes with passing squalls and rain         |
| 9                                      | 94                            | 82          | NE                    | "                 | 97                        | 83          | "                     | "                 | 98                           | 83.30       | NNE                   | "                 | 86.30                            | 84        | 82.30     | "                     | Fresh breezes and clear weather throughout             |
| 10                                     | 97                            | 82          | "                     | "                 | 98                        | 82.30       | ENE                   | "                 | 85                           | 83          | "                     | "                 | 85                               | 83.45     | 82.30     | "                     | Do do do do                                            |
| 11                                     | 94                            | 81.30       | ENE                   | "                 | 96                        | 82          | "                     | "                 | 90                           | 82.30       | NE                    | "                 | 84                               | 82.30     | 81        | "                     | Do do do do                                            |
| 12                                     | 95                            | 81          | "                     | "                 | 98                        | 82          | ENE                   | "                 | 94                           | 82.30       | "                     | Cloudy            | 84.30                            | 83.30     | 82.30     | "                     | Do do do do                                            |
| 13                                     | 90                            | 81          | NNE                   | "                 | 98                        | 81.30       | NE                    | Cloudy            | 99                           | 82          | "                     | Clear             | 84                               | 82.30     | 81        | "                     | A.M. and Noon moderate breezes, P.M. fresh and cloudy  |
| 14                                     | 92                            | 81.30       | "                     | squally           | 94                        | 82          | "                     | Clear             | 90                           | 82.30       | "                     | "                 | 85                               | 83.15     | 82.30     | "                     | A.M. squally and rain, Noon and P.M. clear             |
| 15                                     | 97                            | 82          | "                     | Clear             | 98                        | 82.30       | ENE                   | "                 | 95                           | 83          | "                     | "                 | 85.30                            | 84        | 82.30     | "                     | Moderate breezes and clear weather throughout          |
| 16                                     | 98                            | 82.30       | ENE                   | "                 | 99                        | 83          | "                     | "                 | 97                           | 83.30       | ENE                   | "                 | 86                               | 85        | 84        | "                     | A.M. and Noon moderate breezes, P.M. fresh             |
| 17                                     | 98                            | 82.30       | Calm                  | "                 | 97                        | 82          | Varia.                | "                 | 98                           | 84          | "                     | "                 | 86                               | 85        | 84        | "                     | A.M. calm, Noon squally and rain, P.M. clear           |
| 18                                     | 30.00                         | 83          | "                     | "                 | 99                        | 83.30       | "                     | "                 | 98                           | 84.30       | Varia.                | Cloudy            | 86.30                            | 84.15     | 83        | "                     | Variable breezes and clear weather throughout          |
| 19                                     | 00                            | 82.30       | "                     | Cloudy            | 98                        | 82          | "                     | Cloudy            | 96                           | 83          | "                     | Clear             | 85                               | 83.45     | 82.30     | "                     | A.M. cloudy Noon squally and rain, P.M. variable       |
| 20                                     | 29.98                         | 82          | SW                    | "                 | 99                        | 82.30       | "                     | Clear             | 99                           | 84          | "                     | Rain              | 86.30                            | 84.45     | 83        | "                     | Variable breezes and clear weather                     |
| 21                                     | 30.04                         | 82          | Varia.                | Clear             | 30.10                     | 83.30       | West                  | Rain              | 30.14                        | 82.30       | "                     | Cloudy            | 85                               | 83.45     | 82.30     | 0.150                 | Light variable and passing squalls and rain            |
| 22                                     | 29.90                         | 82          | West                  | squally           | 29.94                     | 83.30       | Varia.                | Cloudy            | 29.96                        | 82.30       | West                  | "                 | 85                               | 83.46     | 82.30     | None                  | A.M. and Noon, fresh breezes, P.M. moderate            |
| 23                                     | 37                            | 82.30       | "                     | Clear             | 98                        | 84          | Calm                  | "                 | 85                           | 82          | Varia.                | Clear             | 85                               | 84        | 83        | "                     | Light variable airs and calm at interval               |
| 24                                     | 86                            | 82.30       | Calm                  | "                 | 89                        | 85.30       | East                  | Clear             | 85                           | 83          | Calm                  | "                 | 86                               | 84.45     | 83.30     | "                     | Dead calm and hot sultry weather                       |
| 25                                     | 84                            | 82.30       | East                  | "                 | 86                        | 85          | Varia.                | "                 | 84                           | 83          | East                  | Cloudy            | 85                               | 84        | 83        | "                     | Moderate breezes and pleasant weather                  |
| 26                                     | 90                            | 82          | Varia.                | "                 | 92                        | 84.30       | ENE                   | Cloudy            | 90                           | 82.30       | NW                    | "                 | 85                               | 83.45     | 82.30     | "                     | Variable wind and passing slight shower                |
| 27                                     | 90                            | 82          | ENE                   | "                 | 93                        | 85          | ENE                   | Cloudy            | 91                           | 83          | ENE                   | "                 | 85                               | 83.45     | 82.30     | "                     | Moderate breezes and pleasant weather                  |
| 28                                     | 89                            | 82          | "                     | "                 | 92                        | 85          | Calm                  | "                 | 87                           | 83          | North                 | Clear             | 85                               | 84        | 83        | "                     | Do do do                                               |
| 29                                     | 88                            | 82.30       | Calm                  | "                 | 89                        | 85          | "                     | Clear             | 86                           | 83          | NE                    | "                 | 96                               | 84        | 83        | "                     | Do do do                                               |
| 30                                     | 89                            | 82          | "                     | "                 | 98                        | 85          | "                     | Cloudy            | 87                           | 83          | SE                    | Cloudy            | 85                               | 84        | 83        | "                     | Do do do                                               |
| Mean                                   | 29.93                         | 82.02"      | "                     | "                 | 29.94                     | 83.02'      | "                     | "                 | 29.93                        | 83.10"      | "                     | "                 | 85.18"                           | 83.56'    | 82.41'    | 0.150                 |                                                        |
| Mean of Corresponding month last year. | 30.01                         | 82.08'      | "                     | "                 | 30.05                     | 83.23'      | "                     | "                 | 30.03                        | 82.05'18"   | "                     | "                 | 85.08'24"                        | 84.14'08" | 82.03'21" | 1.030                 | J. W. FLORY.                                           |

POSTAL NOTICE.

*Dates up to which Mails have been despatched.*

| Date.   | By what vessel.                   | Destination.              |
|---------|-----------------------------------|---------------------------|
| June 15 | S. S. Fair Malacca.....           | Malacca.                  |
| " —     | H. S. M. Steamer Impregnable..... | Bangkok.                  |
| " 17    | S. S. Costa Rica.....             | Hongkong.                 |
| " 18    | Schooner Wilhelmina.....          | Malacca.                  |
| " —     | S. S. Costa Rica.....             | Hongkong.                 |
| " —     | S. S. Haya Maro.....              | Do.                       |
| " 19    | H. M. S. S. Urgent.....           | Anjer and Mauritius.      |
| " 20    | S. S. Nerna.....                  | Galle and Bombay.         |
| " 21    | M. I. S. S. Capitole.....         | Batavia.                  |
| " —     | Labourdonnais.....                | Saigon, &c.               |
| " —     | S. S. Bebares.....                | Penang, Galle and Bombay. |

GENERAL POST OFFICE, }  
Singapore, 21st June, 1867. }

W. CUPPAGE,  
Acting Postmaster General

GOVERNMENT NOTIFICATION—No. 66.

THE following Proclamation is published for general information.

By His Excellency's Command,

COLONIAL SECRETARY'S OFFICE, }  
21st June, 1867. }

R. MACPHERON, *Lieut.-Colonel, R.A.*  
Acting Colonial Secretary.

PROCLAMATION.

SINGAPORE, ) By Virtue of a Precept to me directed, I hereby proclaim and give notice, that a  
To Wit. ) Session of Oyer and Terminer and General Gaol Delivery, will be holden before  
the Court of Judicature at Singapore, at the Court House, on Tuesday, the Ninth day of July, A. D.  
1867, at Eleven o'clock in the forenoon, for the trial of all Treasons, Murders and other Felonies,  
Perjuries, Trespasses, and other Crimes and Misdemeanors, had, done, or committed within the Town  
and Island of Singapore, and the limits thereof, and the places subordinate thereto.

And, also, at the same time and place will be holden a Session of Admiralty, for the trial of all  
Treasons, Murders, Piracies, Robberies, Trespasses, Misdemeanors, and other Crimes and Offences,  
had, done, perpetrated or committed on the High Seas.

And, I hereby give notice to all persons bound to prosecute and give evidence at the above  
Sessions, or in any way concerned therein, that they are to attend at the time and place above-  
mentioned, and not to depart without leave of the Court.

And, I hereby give notice to all Justices of the Peace, Coroners, Escheators, and also all Con-  
stables and Bailiffs of the Town and Island of Singapore and the limits thereto, that they be then  
and there in their own proper persons, with their Rolls, Records, Indictments, and other Remem-  
brances to do those things which to their Offices in that behalf appertain to be done.

Dated at Singapore, this Twentieth day of June, 1867, and in the Thirtieth year of the Reign  
of Her Majesty QUEEN VICTORIA.

F. L. BAUMGARTEN, *Sheriff.*

GOVERNMENT NOTIFICATION—No. 76.

THE following Meteorological Register of the Horsburgh Light-house is published for  
general information.

COLONIAL SECRETARY'S OFFICE, }  
27th June, 1867. }

By His Excellency's Command,

R. MACPHERSON, *Lieut.-Colonel, R.A.*  
Acting Colonial Secretary.

Meteorological Register of the Horsburgh Light-house for the Month of May, 1867.

| Days of the Month.                     | OBSERVATIONS MADE AT SUN'S RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |           |           | PLUVIOMETER | REMARKS.                                |                                          |                                                     |                                                    |                                           |
|----------------------------------------|---------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-----------|-----------|-------------|-----------------------------------------|------------------------------------------|-----------------------------------------------------|----------------------------------------------------|-------------------------------------------|
|                                        | Barometer                       | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean      | Minimum   |             |                                         | Inches.                                  |                                                     |                                                    |                                           |
| 1                                      | 29.91                           | 82          | Varia.                | squally           | 29.93                     | 84.30'      | East                  | Cloudy            | 29.89                        | 82.30'      | East                  | Cloudy            | 85                               | 84        | 83        | None        | Variable winds and squalls at intervals |                                          |                                                     |                                                    |                                           |
| 2                                      | 89                              | 82          | Calm                  | "                 | 96                        | 85          | Calm                  | Clear             | 86                           | 83          | SE                    | "                 | 85                               | 84        | 83        | "           | A.M. and Noon calm, P.M. light breezes  |                                          |                                                     |                                                    |                                           |
| 3                                      | 88                              | 82          | "                     | "                 | 90                        | 85          | East                  | "                 | 87                           | 83          | East                  | "                 | 85                               | 84        | 83        | 30          | "                                       | Light breezes and calm, pleasant weather |                                                     |                                                    |                                           |
| 4                                      | 87                              | 82          | "                     | "                 | 90                        | 85          | SSE                   | squally           | 90                           | 83          | West                  | "                 | 85                               | 84        | 83        | "           | "                                       | Light variable breezes and squally       |                                                     |                                                    |                                           |
| 5                                      | 92                              | 81          | 30                    | WSW               | squally                   | 90          | 83                    | Varia.            | Rain                         | 93          | 81                    | South             | "                                | 84        | 82        | 30          | 81                                      | 0.400                                    | Variable winds, passing squalls and rain            |                                                    |                                           |
| 6                                      | 94                              | 81          | 30                    | West              | "                         | 89          | 82                    | 30                | 93                           | 83          | 30                    | "                 | 84                               | 82        | 30        | 81          | 0.875                                   | Do. do do                                |                                                     |                                                    |                                           |
| 7                                      | 96                              | 81          | 30                    | Varia.            | Cloudy                    | 98          | 84                    | Calm              | squally                      | 88          | 83                    | Calm              | "                                | 85        | 83        | 45          | 82                                      | 0.450                                    | Do. do do                                           |                                                    |                                           |
| 8                                      | 90                              | 81          | 30                    | SW                | "                         | 95          | 84                    | Varia.            | "                            | 83          | 82                    | SE                | "                                | 84        | 82        | 15          | 82                                      | 0.225                                    | Do. do do                                           |                                                    |                                           |
| 9                                      | 89                              | 81          | 30                    | Calm              | "                         | 93          | 83                    | Rain              | "                            | 91          | 81                    | 30                | Varia.                           | 84        | 82        | 30          | 81                                      | 0.575                                    | A.M. calm, Noon and P.M. squally and rain           |                                                    |                                           |
| 10                                     | 81                              | 81          | 30                    | South             | Cloudy                    | 96          | 83                    | SE                | Cloudy                       | 90          | 81                    | 30                | SE                               | 84        | 83        | 30          | 82                                      | None                                     | Fresh breezes and pleasant weather                  |                                                    |                                           |
| 11                                     | 86                              | 82          | SE                    | Clear             | 84                        | 84          | 30                    | "                 | 83                           | 83          | 30                    | "                 | 85                               | 83        | 45        | 82          | 30                                      | "                                        | Moderate breezes and pleasant weather               |                                                    |                                           |
| 12                                     | 84                              | 82          | "                     | "                 | 86                        | 85          | "                     | "                 | 83                           | 83          | "                     | "                 | 85                               | 83        | 45        | 82          | 30                                      | "                                        | Do. do do                                           |                                                    |                                           |
| 13                                     | 86                              | 82          | "                     | "                 | 90                        | 84          | 30                    | "                 | 89                           | 83          | 30                    | squally           | 85                               | 84        | 15        | 83          | "                                       | "                                        | Moderate breezes and calm at interval               |                                                    |                                           |
| 14                                     | 90                              | 82          | South                 | "                 | 90                        | 85          | Calm                  | "                 | 89                           | 84          | SSW                   | Clear             | 85                               | 84        | 15        | 83          | "                                       | "                                        | Light airs and calm at intervals, pleasant weather  |                                                    |                                           |
| 15                                     | 89                              | 82          | SE                    | "                 | 90                        | 85          | Varia.                | "                 | 89                           | 82          | 30                    | Varia.            | 85                               | 83        | 45        | 82          | 30                                      | "                                        | Variable light breezes and squalls at intervals     |                                                    |                                           |
| 16                                     | 89                              | 82          | West                  | squally           | 92                        | 81          | West                  | Cloudy            | 90                           | 82          | SSW                   | "                 | 84                               | 82        | 15        | 80          | 30                                      | "                                        | A.M. fresh breezes, Noon moderate, P.M. light       |                                                    |                                           |
| 17                                     | 94                              | 80          | 30                    | Rain              | 96                        | 83          | "                     | "                 | 92                           | 80          | SSE                   | "                 | 83                               | 81        | 45        | 80          | 30                                      | 1.500                                    | A.M. and Noon fresh breezes and rain, P.M. moderate |                                                    |                                           |
| 18                                     | 91                              | 81          | "                     | Clear             | 91                        | 83          | "                     | Clear             | 93                           | 83          | East                  | Clear             | 86                               | 85        | 30        | 84          | 30                                      | None                                     | Light and variable winds throughout                 |                                                    |                                           |
| 19                                     | 93                              | 82          | 30                    | East              | "                         | 96          | 84                    | 30                | 91                           | 84          | "                     | "                 | 85                               | 85        | 30        | 85          | 30                                      | "                                        | A.M. light breezes, Noon squally; P.M. calms        |                                                    |                                           |
| 20                                     | 96                              | 82          | 30                    | SE                | "                         | 93          | 83                    | 30                | 95                           | 82          | 30                    | NE                | Cloudy                           | 85        | 84        | 30          | 83                                      | 30                                       | "                                                   | Light breezes throughout                           |                                           |
| 21                                     | 96                              | 81          | 30                    | "                 | "                         | 97          | 82                    | WSW               | squally                      | 94          | 82                    | 30                | WSW                              | 85        | 85        | 30          | 84                                      | 30                                       | "                                                   | Do. do do                                          |                                           |
| 22                                     | 89                              | 80          | "                     | Cloudy            | 85                        | 83          | Calm                  | Clear             | 81                           | 82          | 30                    | NW                | Rain                             | 86        | 84        | 45          | 83                                      | 30                                       | "                                                   | Light breezes and variable throughout              |                                           |
| 23                                     | 85                              | 80          | WSW                   | "                 | 89                        | 83          | WSW                   | Cloudy            | 83                           | 81          | 30                    | WSW               | Hazy                             | 89        | 87        | 30          | 85                                      | "                                        | "                                                   | A.M. and Noon light breezes, P.M. squally          |                                           |
| 24                                     | 89                              | 81          | 30                    | NE                | squally                   | 85          | 81                    | ENE               | squally                      | 81          | 82                    | 30                | NW                               | Cloudy    | 87        | 81          | 15                                      | 86                                       | 30                                                  | "                                                  | A.M. and Noon squally, P.M. light breezes |
| 25                                     | 87                              | 81          | 30                    | ENE               | Cloudy                    | 88          | 81                    | SW                | Cloudy                       | 89          | 82                    | 30                | WSW                              | "         | 85        | 81          | 15                                      | 83                                       | 30                                                  | "                                                  | A.M. and Noon light winds, P.M. squally   |
| 26                                     | 85                              | 81          | 30                    | "                 | "                         | 85          | 86                    | 30                | 81                           | 83          | 30                    | SSW               | "                                | 85        | 81        | 30          | 84                                      | "                                        | "                                                   | A.M. light winds, Noon squally, P.M. light breezes |                                           |
| 27                                     | 87                              | 82          | SE                    | squally           | 92                        | 82          | SW                    | Clear             | 84                           | 81          | "                     | "                 | 86                               | 86        | 30        | 86          | 30                                      | 1.600                                    | A.M. squally, P.M. light breezes throughout         |                                                    |                                           |
| 28                                     | 87                              | 81          | SW                    | Clear             | 87                        | 82          | 30                    | Rain              | 85                           | 83          | West                  | Clear             | 89                               | 87        | 30        | 86          | "                                       | None                                     | A.M. and Noon light breezes, P.M. fresh             |                                                    |                                           |
| 29                                     | 81                              | 81          | 30                    | "                 | "                         | 90          | 82                    | 30                | 91                           | 84          | SW                    | Cloudy            | 90                               | 89        | 15        | 88          | 30                                      | 0.700                                    | Do. do do                                           |                                                    |                                           |
| 30                                     | 85                              | 81          | "                     | Cloudy            | 90                        | 83          | 30                    | SE                | "                            | 87          | 84                    | "                 | 96                               | 91        | 45        | 87          | 30                                      | None                                     | A.M. and Noon squally, P.M. fresh breezes           |                                                    |                                           |
| 31                                     | 86                              | 81          | 30                    | "                 | "                         | 91          | 83                    | South             | "                            | 88          | 83                    | "                 | 96                               | 91        | 15        | 86          | 30                                      | "                                        | "                                                   | Fresh breezes throughout                           |                                           |
| Mean                                   | 29.88                           | 81.33'52"   | "                     | "                 | 29.92                     | 84.34'50"   | "                     | "                 | 29.88                        | 83.15'29"   | "                     | "                 | 86.45'29"                        | 84.38'32" | 83.34'50" | 0.325       |                                         |                                          |                                                     |                                                    |                                           |
| Mean of corresponding month last year. | 29.99                           | 85.21'03"   | "                     | "                 | 29.98                     | 85.16'07"   | "                     | "                 | 29.94                        | 83.30'58"   | "                     | "                 | 85.17'06"                        | 84.50'31" | 83.04'15" | 0.700       | E. C. BRYAN.                            |                                          |                                                     |                                                    |                                           |

STRAITS SETTLEMENTS GOVERNMENT GAZETTE, JUNE 28, 1867.

### GOVERNMENT NOTIFICATION—No. 104.

It having been declared by an Act of the Legislative No. 17, passed on the 23rd day of July 1867, that from and after the 1st day of September next ensuing, so much of the Treasury Exchange Act 1867, as requires payment for Postage expressed in the Rupee and Anna coinage to be made at the rate of 45½ Cents of a Dollar for every Rupee is repealed, and that all payments for Postage expressed in the Rupee and Anna coinage are to be made at the rate of 3 Cents of a Dollar for every Anna of Postage authorized.

NOTICE IS HEREBY GIVEN, that from and after the said date Postage Stamps of this Colony representing Postage values in Dollars and Cents, and *no other* will be received in payment of Postage on Letters, Papers and Packets posted at any of the Post Offices of the Colony, and Post Masters and Commissioners of Stamps at the several Settlements will be prepared to sell such Colonial Postage Stamps, or to exchange them for equal values of the Postage Stamps now current in the Colony, on application at their Offices during the hours of business.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE, }  
25th July, 1867.

### GOVERNMENT NOTIFICATION—No. 105.

The following is published for general information.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE, }  
25th July, 1867.

#### POSTAL NOTICE.

*Dates up to which Mails have been despatched.*

| Date.   | By what vessel.            | Destination.              |
|---------|----------------------------|---------------------------|
| July 19 | M. I. S. S. Tigre.....     | Suigon, &c.               |
| " —     | H. I. M. S. S. Sarthe..... | Suigon.                   |
| " —     | S. S. John Bright.....     | Bombay.                   |
| " 20    | Bark Kim Guan Hong.....    | Suigon.                   |
| " —     | S. S. Fair Malacca.....    | Mulacca.                  |
| " —     | " Lamont.....              | Hongkong.                 |
| " 21    | " Do.....                  | Do.                       |
| " —     | " Behar.....               | Penang, Galle and Bombay. |
| " 23    | " Lamont.....              | Hongkong.                 |
| " —     | " W. Cores de Vries.....   | Palembang and Batavia.    |
| " —     | " Palembang.....           | Batavia.                  |
| " —     | Bark Marion.....           | Sarawak.                  |
| " 24    | S. S. Japan.....           | Labuan and Manila.        |
| " —     | Bark Marion.....           | Sarawak.                  |

GENERAL POST OFFICE, }  
Singapore, 25th July, 1867.

W. CUPPAGE,  
*Acting Postmaster General.*

### GOVERNMENT NOTIFICATION—No. 106.

The following Meteorological Register of the Horsburgh Light-house is published for general information.

By His Excellency's Command,  
R. MACPHERSON, *Lieut.-Colonel, R.A.,*  
*Acting Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE, }  
25th July, 1867.

Meteorological Register of the Harsburgh Light-house for the Month of June, 1867.

| Days of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |        |           | PLU-<br>VIOM-<br>TER<br><br>Inches. | REMARKS.                                         |       |                                                         |                                                            |    |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|--------|-----------|-------------------------------------|--------------------------------------------------|-------|---------------------------------------------------------|------------------------------------------------------------|----|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean   | Minimum   |                                     |                                                  |       |                                                         |                                                            |    |
| 1                                      | 29-87 <sup>10</sup>           | 82          | 30' WNW               | squally           | 29-85 <sup>10</sup>       | 81          | 30' SW                | Rain              | 29-84 <sup>10</sup>          | 82          | 30' SW                | Cloudy            | 86                               | 85     | 81        | 0.700                               | A.M. and Noon squally and rain, P.M. light winds |       |                                                         |                                                            |    |
| 2                                      | " 88                          | 81          | South                 | Cloudy            | " 89                      | 83          | 30' Calm              | Cloudy            | " 87                         | 83          | 30' "                 | "                 | 86                               | 81     | 75        | 82                                  | 30                                               | None  | Light breezes throughout                                |                                                            |    |
| 3                                      | " 86                          | 82          | SSW                   | "                 | " 88                      | 83          | 30' South             | "                 | " 85                         | 82          | 30' South             | "                 | 85                               | 30     | 83        | 45                                  | 82                                               | "     | A.M. squally, Noon and P.M. light breezes               |                                                            |    |
| 4                                      | " 89                          | 81          | 30' South             | "                 | " 94                      | 83          | 30' SSW               | "                 | " 91                         | 83          | 30' ESE               | squally           | 86                               | 30     | 85        | 15                                  | 84                                               | "     | A.M. and Noon light breezes, P.M. light breezes         |                                                            |    |
| 5                                      | " 86                          | 81          | "                     | "                 | " 87                      | 83          | 30' SW                | "                 | " 85                         | 82          | 30' WSW               | Clear             | 86                               | 30     | 84        | 15                                  | 82                                               | 30    | "                                                       | A.M. light winds, Noon fresh, P.M. moderate                |    |
| 6                                      | " 90                          | 81          | SW                    | Rain              | " 96                      | 82          | 30' SW                | "                 | " 95                         | 80          | 30' SW                | Rain              | 85                               | 30     | 83        | 30                                  | 82                                               | 1.700 | Fresh breezes and rainy weather throughout              |                                                            |    |
| 7                                      | " 94                          | 80          | West                  | Cloudy            | 30-00                     | 82          | 30' West              | "                 | " 99                         | 84          | 30' West              | Clear             | 85                               | 30     | 83        | 45                                  | 82                                               | None  | A.M. and Noon fresh breezes, P.M. light                 |                                                            |    |
| 8                                      | " 95                          | 81          | 30' ENE               | "                 | 29-97                     | 83          | 30' SW                | squally           | " 96                         | 82          | 30' SW                | Cloudy            | 86                               | 30     | 85        | 15                                  | 84                                               | "     | A.M. fresh breezes, P.M. and Noon light winds           |                                                            |    |
| 9                                      | " 97                          | 81          | 30' SW                | "                 | " 99                      | 83          | 30' "                 | Cloudy            | " 98                         | 83          | 30' "                 | "                 | 86                               | 30     | 85        | 15                                  | 84                                               | "     | Fresh breezes throughout                                |                                                            |    |
| 10                                     | " 90                          | 81          | 30' "                 | "                 | 30-00                     | 83          | 30' "                 | "                 | " 95                         | 82          | 30' "                 | Rain              | 85                               | 30     | 84        | 15                                  | 83                                               | 2.600 | A.M. and Noon light breezes, P.M. squally and rain      |                                                            |    |
| 11                                     | " 96                          | 80          | "                     | Rain              | " 02                      | 80          | 30' "                 | "                 | " 97                         | 80          | 30' "                 | Cloudy            | 85                               | 30     | 83        | 45                                  | 82                                               | 0.700 | A.M. squally, Noon and P.M. light breezes               |                                                            |    |
| 12                                     | " 92                          | 80          | SE                    | Cloudy            | 29-99                     | 81          | 30' SSW               | Clear             | " 92                         | 82          | 30' SSW               | Clear             | 86                               | 30     | 84        | 15                                  | 82                                               | 30    | None                                                    | Light breezes throughout                                   |    |
| 13                                     | " 87                          | 80          | 30' ENE               | Clear             | " 96                      | 82          | 30' SW                | Cloudy            | " 90                         | 83          | 30' East              | "                 | 85                               | 30     | 85        | 15                                  | 84                                               | "     | Do.                                                     | do                                                         |    |
| 14                                     | " 86                          | 80          | 30' Calm              | "                 | " 93                      | 81          | 30' WSW               | "                 | " 90                         | 83          | 30' SW                | "                 | 85                               | 30     | 83        | 45                                  | 82                                               | "     | A.M. calm, Noon and P.M. light breezes                  |                                                            |    |
| 15                                     | " 88                          | 81          | SW                    | "                 | " 96                      | 83          | 30' SW                | "                 | " 86                         | 83          | 30' "                 | Cloudy            | 85                               | 30     | 83        | 30                                  | 82                                               | "     | Fresh breezes throughout                                |                                                            |    |
| 16                                     | " 85                          | 80          | WSW                   | squally           | " 84                      | 81          | 30' WSW               | Rain              | " 87                         | 82          | 30' WSW               | "                 | 86                               | 30     | 85        | 15                                  | 84                                               | 0.500 | A.M. and Noon fresh breezes, P.M. light                 |                                                            |    |
| 17                                     | " 90                          | 82          | SW                    | Clear             | " 91                      | 83          | 30' "                 | Clear             | " 96                         | 84          | 30' "                 | Clear             | 86                               | 30     | 85        | 15                                  | 84                                               | "     | Light breezes throughout                                |                                                            |    |
| 18                                     | " 86                          | 81          | 30' "                 | "                 | " 94                      | 84          | 30' SW                | "                 | " 92                         | 83          | 30' SW                | Cloudy            | 85                               | 30     | 83        | 45                                  | 82                                               | "     | A.M. and Noon light winds, P.M. light showers of rain   |                                                            |    |
| 19                                     | " 84                          | 80          | 30' SSW               | "                 | " 96                      | 83          | 30' Calm              | Cloudy            | " 93                         | 82          | 30' South             | "                 | 85                               | 30     | 84        | 15                                  | 83                                               | 30    | "                                                       | A.M. light winds, Noon calm, P.M. fresh                    |    |
| 20                                     | " 95                          | 81          | SE                    | Cloudy            | " 99                      | 83          | 30' SE                | "                 | " 94                         | 84          | 30' SE                | "                 | 85                               | 30     | 83        | 45                                  | 82                                               | "     | Light breezes throughout                                |                                                            |    |
| 21                                     | " 97                          | 82          | 30' West              | "                 | 30-00                     | 83          | 30' South             | "                 | " 93                         | 83          | 30' South             | "                 | 85                               | 30     | 84        | 15                                  | 82                                               | 30    | "                                                       | Do.                                                        | do |
| 22                                     | " 95                          | 82          | 30' South             | "                 | " 02                      | 83          | 30' SE                | "                 | " 99                         | 82          | 30' West              | "                 | 86                               | 30     | 85        | 15                                  | 84                                               | "     | Variable moderate breezes and cloudy                    |                                                            |    |
| 23                                     | " 96                          | 82          | 30' West              | Clear             | " 00                      | 83          | 30' West              | Clear             | " 98                         | 82          | 30' "                 | Clear             | 85                               | 30     | 84        | 15                                  | 83                                               | "     | Fresh breezes and clear weather                         |                                                            |    |
| 24                                     | " 98                          | 82          | 30' SE                | "                 | 29-99                     | 82          | 30' East              | "                 | " 96                         | 83          | 30' "                 | "                 | 86                               | 30     | 85        | 15                                  | 84                                               | "     | Variable breezes and clear weather throughout           |                                                            |    |
| 25                                     | " 99                          | 82          | 30' West              | squally           | " 96                      | 83          | 30' SE                | "                 | " 94                         | 84          | 30' "                 | "                 | 86                               | 30     | 84        | 45                                  | 83                                               | "     | A.M. passing squalls with drizzling rain, Noon and P.M. |                                                            |    |
| 26                                     | " 99                          | 82          | 30' "                 | Clear             | " 94                      | 82          | 30' "                 | "                 | " 95                         | 81          | 30' "                 | "                 | 86                               | 30     | 84        | 45                                  | 83                                               | "     | Moderate breezes and clear weather throughout [clear    |                                                            |    |
| 27                                     | " 97                          | 81          | 30' SE                | squally           | " 98                      | 82          | 30' SW                | Cloudy            | " 99                         | 83          | 30' SW                | Cloudy            | 85                               | 30     | 83        | 45                                  | 82                                               | 30    | 0.100                                                   | A.M. squally and rain, Noon and P.M. fresh breezes and     |    |
| 28                                     | " 95                          | 81          | 30' SW                | "                 | " 98                      | 81          | 30' "                 | squally           | " 95                         | 82          | 30' "                 | Clear             | 84                               | 30     | 83        | 30                                  | 82                                               | 30    | 0.120                                                   | A.M. and Noon squally and rain, P.M. clear weather [cloudy |    |
| 29                                     | " 97                          | 82          | 30' "                 | Clear             | " 99                      | 82          | 30' SE                | "                 | " 98                         | 83          | 30' ENE               | "                 | 85                               | 30     | 83        | 45                                  | 82                                               | 30    | None                                                    | Fresh breezes and clear weather                            |    |
| 30                                     | " 96                          | 81          | 30' SE                | Cloudy            | " 94                      | 82          | 30' "                 | Cloudy            | " 97                         | 83          | 30' SE                | Cloudy            | 84                               | 30     | 83        | 30                                  | 82                                               | 30    | "                                                       | Fresh breezes and cloudy weather throughout                |    |
| Mean                                   | 29-92 <sup>1000</sup>         | 81-22"      | "                     | "                 | 29-90 <sup>1000</sup>     | 82-36"      | "                     | "                 | 29-93 <sup>1000</sup>        | 82-45"      | "                     | "                 | 85-32'40"                        | 83-54" | 82-51'40" | 0.420                               |                                                  |       |                                                         |                                                            |    |
| Mean of Corresponding month last year. | 29-91 <sup>1000</sup>         | 82-24"      | "                     | "                 | 29-97 <sup>1000</sup>     | 84-14'20"   | "                     | "                 | 29-94 <sup>1000</sup>        | 83-30"      | "                     | "                 | 86-20"                           | 84-01" | 82-30"    | 4.150                               | T. A. D'CRUISE.                                  |       |                                                         |                                                            |    |

STRAITS SETTLEMENTS GOVERNMENT GAZETTE, JULY 26, 1867. 131



Meteorological Register of the Horsburgh Light-house for the Month of July, 1867.

| Date of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |        |         | PLU-<br>VIOME-<br>TER. | REMARKS.                                                  |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|--------|---------|------------------------|-----------------------------------------------------------|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean   | Minimum |                        |                                                           |
| 1                                      | 29.86                         | 80.         | SE                    | Cloudy            | 29.94                     | 81.20'      | squally               | squally           | 29.88                        | 83.30'      | SE                    | Clear             | 85.                              | 83.45' | 82.30'  | 0.100                  | A.M. and Noon passing squalls and rain, P.M. clear        |
| 2                                      | " 99                          | 82 30       | SW                    | "                 | " 95                      | 82          | Calm                  | Cloudy            | " 92                         | 82          | ENE                   | squally           | 84 30                            | 83 30  | 82 30   | 0.150                  | A.M. and Noon clear, P.M. passing squalls and rain        |
| 3                                      | " 99                          | 82 30       | "                     | Clear             | " 99                      | 82          | Varia.                | Clear             | " 94                         | 82 30       | West                  | Cloudy            | 86                               | 83 45  | 82 30   | None                   | Variable breezes and clear weather throughout             |
| 4                                      | " 96                          | 81 30       | SE                    | Cloudy            | " 94                      | 82          | "                     | Cloudy            | " 97                         | 82          | Varia.                | Clear             | 85 30                            | 84 15  | 83      | "                      | A.M. cloudy weather, P.M. clear weather.                  |
| 5                                      | " 95                          | 82          | ESE                   | "                 | " 92                      | 81 30       | "                     | squally           | " 92                         | 81          | "                     | Cloudy            | 81 30                            | 83 30  | 82 30   | "                      | Variable breezes and passing squalls at interval          |
| 6                                      | " 97                          | 82 30       | Calm                  | Clear             | " 98                      | 83          | East                  | Clear             | " 97                         | 83          | SE                    | Clear             | 84 30                            | 83 30  | 82 30   | "                      | Moderate breezes and clear weather throughout             |
| 7                                      | " 96                          | 82          | "                     | "                 | " 99                      | 83 30       | "                     | "                 | " 90                         | 84          | Calm                  | "                 | 85 30                            | 83 45  | 82      | "                      | Do do do                                                  |
| 8                                      | " 92                          | 81          | SSE                   | squally           | " 89                      | 81 30       | Varia.                | Rain              | " 90                         | 82          | "                     | Cloudy            | 84                               | 83 30  | 83      | 0.250                  | A.M. and Noon passing squalls and rain, P.M. cloudy       |
| 9                                      | " 95                          | 81 30       | "                     | Clear             | " 97                      | 82          | SE                    | Clear             | " 98                         | 84          | SE                    | Clear             | 85 30                            | 83 30  | 81      | None                   | Fresh breezes and clear weather throughout                |
| 10                                     | " 89                          | 80          | West                  | squally           | " 88                      | 81          | "                     | squally           | " 90                         | 81 30       | East                  | Cloudy            | 84                               | 83 30  | 83      | "                      | A.M. and Noon blowing and fresh squally, P.M. cloudy      |
| 11                                     | " 94                          | 81 30       | ESE                   | Clear             | " 87                      | 82 30       | "                     | Clear             | " 98                         | 82 30       | SW                    | Clear             | 85 30                            | 83 15  | 81      | "                      | Moderate breezes and pleasant weather                     |
| 12                                     | " 88                          | 80          | West                  | squally           | " 89                      | 81          | West                  | squally           | " 91                         | 81 30       | "                     | "                 | 85                               | 84     | 82      | "                      | A.M. and Noon squally weather, P.M. cloudy                |
| 13                                     | " 89                          | 80          | ESE                   | Cloudy            | " 92                      | 82 30       | SE                    | Cloudy            | " 96                         | 82          | SSW                   | Cloudy            | 85 30                            | 84     | 82 30   | "                      | Fresh breezes and cloudy weather throughout               |
| 14                                     | " 94                          | 81 30       | "                     | Clear             | " 97                      | 82 30       | "                     | Clear             | " 93                         | 83 30       | SE                    | Clear             | 86                               | 84 30  | 83      | "                      | Moderate breezes and clear weather                        |
| 15                                     | " 98                          | 82          | "                     | "                 | " 99                      | 82 30       | "                     | "                 | " 93                         | 84          | "                     | "                 | 85 30                            | 84 45  | 84      | "                      | Do do do                                                  |
| 16                                     | " 94                          | 82          | NE                    | "                 | " 92                      | 85          | Varia.                | squally           | " 94                         | 83          | NE                    | "                 | 85                               | 84     | 83      | "                      | Fresh breezes and clear weather throughout                |
| 17                                     | " 95                          | 82 30       | SE                    | "                 | " 99                      | 84 30       | "                     | Clear             | " 96                         | 83          | SSE                   | "                 | 85 30                            | 84     | 82 30   | 0.250                  | A.M. light breezes, Noon squally and rain, P.M. moderate  |
| 18                                     | " 92                          | 82          | Varia                 | Cloudy            | " 92                      | 85          | West                  | Rain              | " 99                         | 81 30       | West                  | Cloudy            | 84                               | 83 30  | 83      | None                   | Moderate breezes and pleasant weather                     |
| 19                                     | " 99                          | 83          | South                 | Clear             | " 90                      | 85          | South                 | Clear             | " 99                         | 82 30       | SSE                   | Clear             | 85                               | 83 15  | 81 30   | 0.275                  | A.M. moderate breezes, Noon squally and rain, P.M. fresh  |
| 20                                     | " 94                          | 84 30       | "                     | "                 | " 95                      | 84 30       | "                     | Rain              | " 92                         | 83          | South                 | "                 | 85                               | 83 30  | 82      | None                   | A.M. moderate breezes, Noon fresh and drizzling rain      |
| 21                                     | " 95                          | 83          | SSE                   | "                 | " 93                      | 84 30       | SE                    | "                 | " 92                         | 83          | SE                    | "                 | 85                               | 84     | 83      | 0.225                  | Fresh breezes and squally at interval                     |
| 22                                     | " 92                          | 82          | "                     | "                 | " 92                      | 84 30       | "                     | squally           | " 90                         | 82          | "                     | "                 | 84 30                            | 83 45  | 83      | None                   | Light breezes and squally appearance                      |
| 23                                     | " 84                          | 82          | "                     | "                 | " 90                      | 85          | South                 | Rain              | " 83                         | 84          | Calm                  | "                 | 85                               | 83 45  | 82 30   | 0.400                  | A.M. and Noon fresh breezes attended with rain            |
| 24                                     | " 83                          | 82 30       | "                     | "                 | " 94                      | 83 30       | "                     | squally           | " 92                         | 84          | SW                    | Cloudy            | 85 30                            | 84 15  | 83      | None                   | Moderate breezes and squally appearance                   |
| 25                                     | " 93                          | 81 30       | West                  | "                 | " 97                      | 83          | West                  | Clear             | " 82                         | 82          | East                  | "                 | 84                               | 83 30  | 83      | 0.250                  | A.M. heavy squall attended with rain, Noon and P.M. light |
| 26                                     | " 92                          | 81 30       | SSW                   | squally           | " 98                      | 83          | WSW                   | Cloudy            | " 90                         | 82          | South                 | "                 | 84                               | 82     | 80 30   | "                      | Moderate breezes and pleasant weather                     |
| 27                                     | " 93                          | 81 30       | West                  | Cloudy            | " 99                      | 83 30       | West                  | "                 | " 92                         | 82          | "                     | "                 | 84                               | 82 30  | 81      | "                      | A.M. and Noon fresh breezes, P.M. moderate                |
| 28                                     | " 89                          | 82 30       | South                 | squally           | " 90                      | 84 30       | Varia.                | "                 | " 89                         | 82 20       | SE                    | Clear             | 84 30                            | 82 45  | 81      | "                      | Moderate breezes and pleasant weather                     |
| 29                                     | " 89                          | 82          | "                     | Clear             | " 92                      | 85          | West                  | Clear             | " 89                         | 83 30       | West                  | Cloudy            | 85                               | 83 45  | 82 30   | "                      | Do do do                                                  |
| 30                                     | " 92                          | 82          | "                     | Cloudy            | " 96                      | 84          | South                 | Clear             | " 90                         | 82          | South                 | "                 | 84                               | 82 45  | 81 30   | "                      | A.M. fresh breezes, Noon and P.M. moderate                |
| 31                                     | " 89                          | 82 30       | "                     | Clear             | " 90                      | 85 30       | South                 | Cloudy            | " 85                         | 83 30       | Calm                  | "                 | 86                               | 84 30  | 83      | "                      | A.M. light breezes, Noon and P.M. calm                    |
| Mean                                   | 29.93                         | 81.55       | "                     | "                 | 29.94                     | 83.12       | "                     | "                 | 29.91                        | 82.36       | "                     | "                 | 84.53                            | 83.38  | 82.41   | 1.890                  |                                                           |
| Mean of Corresponding month last year. | 29.91                         | 82.12       | "                     | "                 | 29.90                     | 82.22       | "                     | "                 | 29.93                        | 81.24       | "                     | "                 | 86.10                            | 83.50  | 81.     | 4.225                  | J. W. FLORY.                                              |

990 STRAITS SETTLEMENTS GOVERNMENT GAZETTE, OCTOBER 11, 1867.

Meteorological Register of the Horsburgh Light-house for the Month of August, 1867.

| Days of the Month.                     | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |           |           | PLU-<br>VIOME-<br>TER | RE MARKS.                                   |
|----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-----------|-----------|-----------------------|---------------------------------------------|
|                                        | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean      | Minimum   |                       |                                             |
| 1                                      | 29.84                         | 82          | SSE                   | Clear             | 29.94                     | 85          | SE                    | equally           | 29.88                        | 83          | SE                    | Cloudy            | 85                               | 84        | 84        | None                  | Moderate breezes and equally                |
| 2                                      | 81                            | 30          | West                  | equally           | 86                        | 86          | Calm                  | Clear             | 88                           | 83          | Calm                  | Clear             | 86                               | 81        | 83        | "                     | A.M. fresh breezes, P.M. calm               |
| 3                                      | 80                            | 82          | South                 | Clear             | 86                        | 86          | SSE                   | equally           | 89                           | 83          | Clear                 | Clear             | 86                               | 81        | 83        | "                     | A.M. light breezes, Noon squally, P.M. calm |
| 4                                      | 89                            | 82          | Calm                  | "                 | 86                        | 86          | Calm                  | Clear             | 89                           | 83          | East                  | Cloudy            | 86                               | 84        | 83        | "                     | A.M. and Noon calm, P.M. light airs         |
| 5                                      | 88                            | 82          | SE                    | "                 | 85                        | 85          | South                 | equally           | 92                           | 83          | SSE                   | equally           | 86                               | 84        | 83        | "                     | A.M. light breezes, Noon and P.M. moderate  |
| 6                                      | 93                            | 82          | South                 | "                 | 84                        | 84          | West                  | "                 | 93                           | 82          | SE                    | Cloudy            | 84                               | 82        | 83        | "                     | A.M. and Noon fresh breezes, P.M. moderate  |
| 7                                      | 94                            | 82          | South                 | "                 | 85                        | 85          | Calm                  | Clear             | 90                           | 82          | SE                    | Clear             | 85                               | 83        | 82        | "                     | A.M. light breezes, Noon and P.M. moderate  |
| 8                                      | 93                            | 81          | SW                    | equally           | 83                        | 83          | SW                    | cloudy            | 94                           | 81          | SW                    | Cloudy            | 84                               | 82        | 81        | "                     | A.M. light breezes, Noon and P.M. moderate  |
| 9                                      | 92                            | 81          | SW                    | Cloudy            | 84                        | 84          | "                     | "                 | 93                           | 82          | South                 | "                 | 84                               | 83        | 81        | "                     | Moderate breezes and thick cloudy weather   |
| 10                                     | 95                            | 80          | West                  | Rain              | 81                        | 81          | West                  | "                 | 94                           | 79          | "                     | "                 | 83                               | 81        | 82        | "                     | Light breezes and calm at intervals         |
| 11                                     | 95                            | 81          | SW                    | Cloudy            | 83                        | 83          | Varia.                | "                 | 90                           | 81          | "                     | "                 | 84                               | 82        | 79        | 0.200                 | A.M. and Noon fresh breezes, P.M. moderate  |
| 12                                     | 92                            | 82          | SE                    | Clear             | 84                        | 84          | SE                    | equally           | 89                           | 82          | SE                    | equally           | 84                               | 83        | 82        | None                  | Variable light breezes and squally          |
| 13                                     | 89                            | 82          | "                     | "                 | 85                        | 85          | "                     | "                 | 88                           | 83          | SE                    | Heavy             | 85                               | 83        | 82        | "                     | Moderate breezes and pleasant weather       |
| 14                                     | 89                            | 81          | SSE                   | Cloudy            | 90                        | 81          | SSE                   | Cloudy            | 83                           | 80          | South                 | "                 | 85                               | 83        | 82        | "                     | Moderate breezes and squally at interval    |
| 15                                     | 88                            | 80          | Calm                  | Clear             | 87                        | 83          | "                     | "                 | 85                           | 83          | SE                    | Clear             | 85                               | 84        | 82        | "                     | Light breezes and cloudy weather            |
| 16                                     | 85                            | 80          | SW                    | "                 | 85                        | 82          | SE                    | "                 | 85                           | 82          | SE                    | Clear             | 84                               | 83        | 83        | "                     | Light breezes at A.M., P.M. fresh           |
| 17                                     | 88                            | 81          | Calm                  | Cloudy            | 94                        | 82          | NW                    | "                 | 86                           | 81          | WSW                   | Cloudy            | 84                               | 82        | 81        | 0.250                 | Light breezes and fine weather all day      |
| 18                                     | 96                            | 81          | WSW                   | "                 | 95                        | 82          | WSW                   | Clear             | 90                           | 82          | WNW                   | Clear             | 85                               | 84        | 83        | "                     | A.M. squally, P.M. moderate                 |
| 19                                     | 90                            | 81          | SE                    | "                 | 93                        | 80          | WNW                   | Cloudy            | 90                           | 82          | West                  | "                 | 85                               | 84        | 83        | "                     | Variable light breezes and squally          |
| 20                                     | 90                            | 79          | NW                    | Clear             | 86                        | 92          | West                  | "                 | 86                           | 82          | "                     | Clear             | 85                               | 83        | 81        | "                     | Squally at intervals and fine weather       |
| 21                                     | 87                            | 80          | WNW                   | Cloudy            | 89                        | 81          | WNW                   | "                 | 86                           | 82          | "                     | Cloudy            | 85                               | 83        | 81        | "                     | Light breezes and fine weather all day      |
| 22                                     | 89                            | 80          | "                     | "                 | 94                        | 81          | West                  | "                 | 86                           | 82          | "                     | Clear             | 85                               | 83        | 81        | "                     | Squally at A.M., Noon and P.M. fine         |
| 23                                     | 89                            | 80          | West                  | "                 | 89                        | 82          | "                     | "                 | 86                           | 82          | "                     | Clear             | 85                               | 83        | 81        | "                     | A.M. fresh breezes, P.M. calm               |
| 24                                     | 89                            | 80          | WNW                   | Cloudy            | 89                        | 82          | WNW                   | "                 | 87                           | 81          | "                     | Cloudy            | 85                               | 84        | 82        | "                     | Calm at A.M., Noon and P.M. squally         |
| 25                                     | 88                            | 82          | Calm                  | "                 | 89                        | 82          | Calm                  | Clear             | 83                           | 82          | SW                    | "                 | 94                               | 83        | 82        | "                     | Fresh breezes and squally all day           |
| 26                                     | 86                            | 81          | South                 | Clear             | 89                        | 82          | WSW                   | Cloudy            | 85                           | 84          | West                  | "                 | 85                               | 83        | 82        | "                     | At A.M. calm, P.M. fresh breezes            |
| 27                                     | 94                            | 82          | West                  | Cloudy            | 96                        | 85          | "                     | "                 | 90                           | 83          | "                     | "                 | 84                               | 83        | 82        | "                     | Moderate breezes and squally all day        |
| 28                                     | 90                            | 80          | "                     | "                 | 91                        | 82          | West                  | "                 | 91                           | 82          | "                     | "                 | 85                               | 83        | 81        | "                     | Fresh breezes and fine weather all day      |
| 29                                     | 90                            | 79          | WSW                   | "                 | 90                        | 82          | WSW                   | "                 | 85                           | 81          | South                 | "                 | 85                               | 83        | 80        | "                     | Squally and moderate breezes throughout     |
| 30                                     | 86                            | 80          | "                     | "                 | 82                        | 83          | "                     | Clear             | 85                           | 81          | WSW                   | "                 | 85                               | 82        | 80        | "                     | Light breezes and squally all day           |
| 31                                     | 90                            | 79          | "                     | Clear             | 89                        | 82          | "                     | "                 | 89                           | 85          | "                     | Clear             | 85                               | 83        | 82        | "                     | Moderate breezes and squally throughout     |
| Mean                                   | 29.90                         | 81.05'48"   | "                     | "                 | 29.92                     | 83.12'34"   | "                     | "                 | 29.88                        | 82.19'21"   | "                     | "                 | 85.01'57"                        | 83.29'30" | 81.66'07" | 0.450                 |                                             |
| Mean of Corresponding month last year. | 29.94                         | 80.58"      | "                     | "                 | 30.05                     | 83.07'44"   | "                     | "                 | 29.95                        | 81.03'50"   | "                     | "                 | 84.32'54"                        | 82.34'50" | 80.56'07" | 2.009                 | P. P. HOCHSTADT.                            |

STRAITS SETTLEMENTS GOVERNMENT GAZETTE, OCTOBER 4, 1867. 271

Meteorological Register of the Horsburgh Light-house for the Month of September, 1867.

| Day of the Month | OBSERVATIONS MADE AT SIX HOURS |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |       | POP. VIGOR-THERMOMETER. | REMARKS. |                                               |
|------------------|--------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-------|-------------------------|----------|-----------------------------------------------|
|                  | Barometer                      | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean  |                         |          | Minimum                                       |
| 1                | 29.76                          | 81.30       | SSW                   | Cloudy            | 29.87                     | 82.10       | SSW                   | squally           | 29.82                        | 82.60       | ESE                   | Cloudy            | 85.30                            | 83.30 | 82.30                   | None     | Light breezes and fine weather all day        |
| 2                | 85.90                          | 78.30       | "                     | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | Cloudy            | 85.30                            | 83.15 | 81.30                   | "        | Moderate breezes and squally at intervals     |
| 3                | 85.90                          | 81.30       | SW                    | "                 | 85.90                     | 81.30       | West                  | "                 | 82.80                        | 80.30       | West                  | "                 | 85.30                            | 83.15 | 81.30                   | "        | Moderate breezes and pleasant weather         |
| 4                | 85.90                          | 81.30       | SSW                   | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | Calm                  | Cloudy            | 85.30                            | 83.15 | 81.30                   | "        | A.M. fresh breezes, P.M. and Noon moderate    |
| 5                | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | West                  | Clear             | 82.80                        | 80.30       | WSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. fresh breezes, P.M. light and calm       |
| 6                | 85.90                          | 81.30       | SSW                   | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | WSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. light breezes, Noon and P.M. calm        |
| 7                | 85.90                          | 81.30       | SSW                   | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | WSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Fresh breezes and pleasant weather all day    |
| 8                | 85.90                          | 81.30       | South                 | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Light breezes and pleasant weather all day    |
| 9                | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | SSW                   | Cloudy            | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. light breezes, Noon and P.M. squally     |
| 10               | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | SSW                   | Cloudy            | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. and Noon calm, P.M. light breezes        |
| 11               | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | SSW                   | Cloudy            | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. light breezes, Noon and P.M. fresh       |
| 12               | 85.90                          | 81.30       | SSW                   | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. and Noon fresh, P.M. moderate            |
| 13               | 85.90                          | 81.30       | SSW                   | Thick             | 85.90                     | 81.30       | SSW                   | Thick             | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. calm and light breezes, P.M. squally     |
| 14               | 85.90                          | 81.30       | SSW                   | Clear             | 85.90                     | 81.30       | SSW                   | Clear             | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Moderate breezes and pleasant weather all day |
| 15               | 85.90                          | 81.30       | South                 | Clear             | 85.90                     | 81.30       | South                 | Clear             | 82.80                        | 80.30       | Calm                  | "                 | 85.30                            | 83.15 | 81.30                   | "        | Pleasant weather and light breezes with calms |
| 16               | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | West                  | Cloudy            | 82.80                        | 80.30       | West                  | "                 | 85.30                            | 83.15 | 81.30                   | "        | Light breezes and calms at intervals          |
| 17               | 85.90                          | 81.30       | SSW                   | Cloudy            | 85.90                     | 81.30       | West                  | Cloudy            | 82.80                        | 80.30       | West                  | "                 | 85.30                            | 83.15 | 81.30                   | "        | Pleasant weather and light breezes            |
| 18               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Pleasant weather and light breezes            |
| 19               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. fresh breezes, Noon and P.M. moderate    |
| 20               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Moderate breezes and fine weather             |
| 21               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Heavy thick foggy weather all day             |
| 22               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Moderate breezes and calms at intervals       |
| 23               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. calm, Noon and P.M. moderate breezes     |
| 24               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Moderate weather and pleasant weather all day |
| 25               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. calm, Noon and P.M. fresh breezes        |
| 26               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. moderate breezes, P.M. squally           |
| 27               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Light air and moderate breezes all day        |
| 28               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. and Noon calm, P.M. light air            |
| 29               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | Cloudy and light breezes at intervals         |
| 30               | 85.90                          | 81.30       | SSW                   | "                 | 85.90                     | 81.30       | "                     | "                 | 82.80                        | 80.30       | SSW                   | "                 | 85.30                            | 83.15 | 81.30                   | "        | A.M. calm and fine, P.M. light breezes        |
| Mean             | 29.76                          | 82.30       | SW                    | Clear             | 29.95                     | 83.30       | SE                    | Clear             | 29.85                        | 82.15       | SW                    | Clear             | 85.15                            | 81.45 | 82.00                   | "        | Calms and variable light breezes all day      |

P. P. HOCHSTADT

Mean of  
 Clear 29.91, 83.25, 81.10  
 Partly Cloudy 29.81, 82.50, 81.00  
 Cloudy 29.76, 82.30, 80.75

Meteorological Register of the Horsburgh Light-house for the Month of October, 1867.

| Days of the Month.                      | OBSERVATIONS MADE AT SUN RISE |             |                       |                   | OBSERVATIONS MADE AT NOON |             |                       |                   | OBSERVATIONS MADE AT SUN SET |             |                       |                   | MAXIMUM AND MINIMUM THERMOMETER. |           |           | PLUVIOMETER | REMARKS.                                                             |
|-----------------------------------------|-------------------------------|-------------|-----------------------|-------------------|---------------------------|-------------|-----------------------|-------------------|------------------------------|-------------|-----------------------|-------------------|----------------------------------|-----------|-----------|-------------|----------------------------------------------------------------------|
|                                         | Barometer                     | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                 | Thermometer | Direction of the Wind | Aspect of the Sky | Barometer                    | Thermometer | Direction of the Wind | Aspect of the Sky | Maximum                          | Mean      | Minimum   |             |                                                                      |
| 1                                       | 29.90                         | 82          | SE                    | Cloudy            | 29.90                     | 84.30'      | West                  | Clear             | 29.90                        | 83          | West                  | Cloudy            | 86                               | 84.30'    | 83        | None        | A.M. and Noon calm, P.M. fresh breezes and cloudy                    |
| 2                                       | " 90                          | 81          | WSW                   | Rain              | " 90                      | 83 30'      | WSW                   | Cloudy            | " 90                         | 82          | WSW                   | Clear             | 85 30                            | 84 15     | 83        | "           | A.M. fresh breezes, Noon and P.M. moderate                           |
| 3                                       | " 90                          | 80 30       | SE                    | Cloudy            | " 90                      | 83 30       | ESE                   | "                 | " 90                         | 83          | SE                    | "                 | 86 30                            | 84 30     | 83 30     | "           | Moderate breezes and pleasant weather throughout                     |
| 4                                       | " 92                          | 82 30       | "                     | "                 | " 88                      | 82 30       | "                     | Clear             | " 88                         | 82          | East                  | "                 | "                                | "         | "         | "           | Light breezes and pleasant weather                                   |
| 5                                       | " 90                          | 79 30       | WNW                   | "                 | " 90                      | 82          | NE                    | Cloudy            | " 90                         | 82          | ESE                   | Cloudy            | 84                               | 83        | 82        | "           | A.M. and Noon moderate breezes, P.M. light                           |
| 6                                       | " 90                          | 82          | NW                    | Rain              | " 90                      | 81          | NW                    | Rain              | " 90                         | 81 30       | NW                    | "                 | 84                               | 82 45     | 81 30     | "           | A.M. and Noon fresh breezes with rain, P.M. cloudy                   |
| 7                                       | " 90                          | 78 30       | "                     | Clear             | " 90                      | 84          | "                     | Calm              | " 90                         | 81          | "                     | Clear             | 85 30                            | 83 45     | 82        | "           | Light airs and pleasant weather                                      |
| 8                                       | " 88                          | 80          | West                  | Cloudy            | " 88                      | 82 30       | West                  | Clear             | " 88                         | 82          | West                  | "                 | 85 30                            | 84 15     | 83        | "           | Fine pleasant weather throughout                                     |
| 9                                       | " 92                          | 78 30       | "                     | "                 | " 92                      | 83          | WSW                   | Cloudy            | " 90                         | 83 30       | NW                    | Cloudy            | 84 30                            | 83 15     | 82        | "           | A.M. and Noon light breezes, P.M. calm                               |
| 10                                      | " 90                          | 80 30       | SW                    | "                 | " 90                      | 83 30       | West                  | Rain              | " 90                         | 82 30       | West                  | "                 | 84                               | 82 45     | 81 30     | "           | A.M. and Noon fresh breezes, P.M. moderate with rain                 |
| 11                                      | " 88                          | 81          | West                  | "                 | " 88                      | 83          | West                  | Cloudy            | " 88                         | 83          | "                     | Cloudy            | 84 30                            | 83 15     | 82        | "           | A.M. fresh breezes, Noon and P.M. moderate                           |
| 12                                      | " 86                          | 81          | SW                    | Clear             | " 88                      | 82 30       | SW                    | "                 | " 88                         | 82          | SW                    | Rain              | 84                               | 83        | 82        | 0.300       | A.M. and Noon light breezes, P.M. squally and rain                   |
| 13                                      | " 90                          | 82 30       | Calm                  | Cloudy            | " 86                      | 82          | "                     | squally           | " 87                         | 82 30       | "                     | Cloudy            | 84                               | 82 30     | 81        | 0.500       | A.M. passing squalls and rain, Noon and P.M. fresh breezes           |
| 14                                      | " 92                          | 82 30       | "                     | Clear             | " 88                      | 82 30       | "                     | Clear             | " 89                         | 83 30       | West                  | Clear             | 84 30                            | 83 30     | 82 30     | None        | Moderate breezes and clear weather [and cloudy]                      |
| 15                                      | " 94                          | 82 30       | SW                    | Cloudy            | " 89                      | 83 30       | "                     | "                 | " 88                         | 83 30       | WSW                   | "                 | 85                               | 83 30     | 82        | "           | A.M. fresh breezes and cloudy, Noon and P.M. moderate                |
| 16                                      | " 98                          | 82          | West                  | "                 | " 84                      | 83          | West                  | squally           | " 99                         | 84 30       | NW                    | "                 | 84 30                            | 83 30     | 82 30     | "           | A.M. fresh breezes, Noon squally, P.M. clear and moderate            |
| 17                                      | " 88                          | 82          | NW                    | Clear             | " 86                      | 82 30       | NW                    | Rain              | " 89                         | 84 30       | WSW                   | "                 | 85                               | 83 30     | 82        | 0.200       | A.M. fresh breezes, Noon squally and rain, P.M. clear                |
| 18                                      | " 87                          | 81 30       | WSW                   | Cloudy            | " 81                      | 82          | West                  | Cloudy            | " 86                         | 83 30       | Calm                  | Cloudy            | 84                               | 82 30     | 81        | None        | A.M. and Noon fresh breezes, P.M. calm and cloudy                    |
| 19                                      | " 99                          | 82 30       | "                     | Clear             | " 98                      | 83 30       | Varin                 | Clear             | " 99                         | 85          | East                  | Clear             | 85                               | 83 30     | 82        | "           | Variable moderate breezes and clear weather throughout               |
| 20                                      | " 90                          | 83          | NE                    | "                 | " 97                      | 83 30       | WSW                   | "                 | " 89                         | 85          | WSW                   | "                 | 85 30                            | 84        | 82 30     | "           | Moderate breezes and clear weather                                   |
| 21                                      | " 88                          | 82          | "                     | Cloudy            | " 86                      | 82 30       | SE                    | Cloudy            | " 84                         | 84          | "                     | Cloudy            | 84                               | 82 30     | 81        | "           | Fresh breezes and cloudy weather throughout                          |
| 22                                      | " 84                          | 82 30       | SE                    | squally           | " 93                      | 83 30       | South                 | Clear             | " 97                         | 85          | SSE                   | Clear             | 85                               | 83 30     | 82        | "           | A.M. squally, Noon and P.M. moderate breezes                         |
| 23                                      | " 88                          | 81 30       | South                 | Rain              | " 89                      | 82          | "                     | Cloudy            | " 88                         | 83 30       | South                 | Cloudy            | 84                               | 82 30     | 81        | 0.200       | A.M. passing squalls and rain, Noon and P.M. fresh breezes           |
| 24                                      | " 87                          | 81          | SW                    | squally           | " 90                      | 82          | SW                    | "                 | " 85                         | 82 30       | SW                    | "                 | 84 30                            | 83 30     | 82 30     | None        | A.M. passing squalls, Noon and P.M. fresh breezes                    |
| 25                                      | " 88                          | 81 30       | "                     | "                 | " 89                      | 82 30       | "                     | "                 | " 90                         | 83 30       | "                     | "                 | 84                               | 82 30     | 81        | "           | Do do do do                                                          |
| 26                                      | " 89                          | 82          | "                     | "                 | " 93                      | 82 30       | "                     | "                 | " 95                         | 84          | "                     | "                 | 84 30                            | 83 30     | 82 30     | "           | Do do do do [cloudy]                                                 |
| 27                                      | " 90                          | 82          | "                     | "                 | " 92                      | 82 30       | SE                    | "                 | " 87                         | 84          | SE                    | "                 | 85                               | 83 30     | 82        | "           | A.M. passing squalls with drizzling rain, Noon and P.M.              |
| 28                                      | " 94                          | 82          | "                     | Rain              | " 88                      | 82          | Varin                 | "                 | " 88                         | 85          | East                  | "                 | 85 30                            | 84        | 82 30     | 0.100       | A.M. passing squalls and rain, Noon and P.M. moderate breezes        |
| 29                                      | " 92                          | 81          | "                     | "                 | " 84                      | 82          | "                     | "                 | " 85                         | 83          | Varia                 | squally           | 84                               | 82 30     | 81        | 0.500       | Variable moderate breezes with passing squalls and rain at intervals |
| 30                                      | " 90                          | 82 30       | Calm                  | Clear             | " 89                      | 83 30       | Calm                  | Clear             | " 84                         | 82          | SW                    | Rain              | 84                               | 82 30     | 81        | 0.200       | A.M. and Noon calm, P.M. passing squalls and rain                    |
| 31                                      | " 91                          | 80          | SW                    | squally           | " 90                      | 82          | SW                    | Cloudy            | " 90                         | 83 30       | "                     | Cloudy            | 84 30                            | 82 30     | 82 30     | None        | A.M. passing squalls, Noon and P.M. fresh breezes                    |
| Mean                                    | 29.90                         | 81.24'11"   | "                     | "                 | 29.92                     | 82.46'27"   | "                     | "                 | 29.89                        | 83.12'34"   | "                     | "                 | 84.42'34"                        | 83.21'46" | 82        | 2.000       |                                                                      |
| Mean of Corresponding months last year. | 29.92                         | 81.27'00"   | "                     | "                 | 29.94                     | 83.12'34"   | "                     | "                 | 29.93                        | 82.41'21"   | "                     | "                 | 84.39'49"                        | 83.05'15" | 81.30'46" | 3.625       |                                                                      |

T. A. D'CRUZE.

440 STRAITS SETTLEMENTS GOVERNMENT GAZETTE, DECEMBER 6, 1867.

**Annex 67**

An Act to provide for the Government of the "Straits  
Settlements" (1866) (United Kingdom)

*Straits Settlements.*

C A P. CXV.

An Act to provide for the Government of the  
"Straits Settlements." [10th August 1866.]

WHEREAS the Islands and Territories known as the "Straits Settlements," namely, *Prince of Wales' Island*, the Island of *Singapore*, and the Town and Fort of *Malacca*, and their Dependencies, were heretofore Part of the Territories in the Possession and under the Government of the *East India* Company, and became vested in Her Majesty as a Part of *India* by virtue and subject to the Provisions of the Act of the Twenty-first and Twenty-second Year of Her Majesty, Chapter One hundred and six, intituled *An Act for the better Government of India*: And whereas it is expedient that the said Settlements and their Dependencies should cease to form Part of *India*, and should be placed under the Government of Her Majesty as Part of the Colonial Possessions of the Crown: And whereas it may be hereafter expedient to include the Colony of *Labuan* within the Government of the said Settlements: Be it enacted by the Queen's most Excellent Majesty, by and with the Advice and Consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the Authority of the same, as follows:

Straits Settlements shall cease to be Part of India.

1. It shall be lawful for Her Majesty, by Order to be by Her made with the Advice of Her Privy Council, to declare that this Act shall come into operation at a Time to be specified in such Order in Council, and at such Time the said Settlements shall cease to be Part of *India* for the Purposes and within the Meaning of the aforesaid Act, and it shall be further lawful for Her Majesty by any such Order to make Provision respecting the Enforcement by or against the Government of the said Settlements of all or any of such Debts, Claims, and Obligations as might, if this Act had not passed, have been enforced by or against the Government of *India* in connexion with the Administration of the said Settlements.

Power to Her Majesty in Council to

2. From and after the coming into operation of this Act, it shall be lawful for Her Majesty, by Order or Orders to be by Her from Time

*Straits Settlements.*

Time to Time made, with the Advice of Her said Privy Council, to establish all such Laws, Institutions, and Ordinances, and to constitute such Courts and Officers, and to make such Provisions and Regulations for the Proceedings in such Courts, and for the Administration of Justice, and for the raising and Expenditure of the Public Revenue, as may be deemed advisable for the Peace, Order, and good Government of Her Majesty's Subjects and others within the said Settlements, or within any Territory which may at any Time be Part of or dependent upon the same, any Law, Statute, or Usage to the contrary in anywise notwithstanding.

make Laws,  
constitute  
Courts, &c.

3. It shall be lawful for Her Majesty, from Time to Time, by any Letters Patent under the Great Seal of the United Kingdom, or by any Instructions under Her Majesty's Signet and Sign Manual accompanying and referred to in any such Letters Patent, to delegate to any Three or more Persons within the said Settlements, or within any Part or Dependency thereof, the Powers and Authorities so vested in Her Majesty in Council as aforesaid, either in whole or in part, and upon, under, and subject to all such Conditions, Provisoos, and Limitations as by any such Letters Patent or Instructions as aforesaid Her Majesty shall see fit to prescribe, and, subject as aforesaid, to empower such Three or more Persons to exercise in respect to the Island of *Labuan* and its Dependencies all or any of the Powers and Authorities herein-before vested in Her Majesty in respect to the said Settlements: Provided always, that, notwithstanding any such Delegation or Grant of Authority as aforesaid, it shall still be competent to Her Majesty in Council in manner aforesaid to exercise all the Powers and Authorities, either by virtue of this Act or otherwise, vested in Her Majesty in Council.

Power to Her  
Majesty to  
delegate Her  
Powers and  
Authorities to  
resident  
Officers.

4. Until otherwise provided by Her Majesty in Council, or by such Three or more Persons as aforesaid, all Laws or Regulations (except the aforesaid Act of Parliament) which, when this Act shall come into operation, shall be in force in the said Settlements and their Dependencies, and all Proceedings of any Court of Justice had or to be had therein, shall be and continue to be of the same Force and Effect, and all Judicial and other Officers who, when this Act shall come into operation, shall be lawfully exercising their Offices in the said Settlements and their Dependencies, shall continue to have and exercise the same Functions and Authorities therein, as if this Act had not been passed.

Existing Laws  
and Officers  
preserved.

**Annex 68**

King J.W. (ed.), *The China Sea Directory*,  
Vol. I (1867), p. 242



THE  
CHINA SEA DIRECTORY,

VOL. I.

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CONTAINING

DIRECTIONS FOR THE APPROACHES TO THE  
CHINA SEA AND TO SINGAPORE,  
BY THE STRAITS OF SUNDA, BANKA,  
GASPAR, CARIMATA, RHIO, VARELLA,  
DURIAN, AND SINGAPORE.

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COMPILED FROM VARIOUS SOURCES

PARTLY BY J. W. REED, MASTER R.N.

COMPLETED AND EDITED BY STAFF COMMANDER J. W. KING, R.N.

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1867.

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*Price 4s. 6d.*

from base to vane, which was erected on it in 1851, and named after the celebrated hydrographer, Horsburgh, whose labours have in a high degree benefited the interests of navigation and commerce in every part of the eastern seas. The lighthouse is a pillar of granite, and the lantern is covered by a spherical dome, painted white. The largest island off Romania point bears from it W. by N.  $\frac{1}{3}$  N. about  $7\frac{1}{2}$  miles; it is the same distance from the shore of Bintang, and is in one with the centre of Bintang Great hill, bearing S. by E.  $\frac{1}{4}$  E.

**LIGHT.**—The lighthouse on Pedra Branca exhibits a *revolving white* light, which attains its brightest period once *every minute*; its greatest brilliancy is of *fifteen seconds* duration, when it gradually declines until it totally disappears to a distant observer; but within a short distance of the lighthouse it is never entirely invisible. The light is elevated 95 feet above the level of high-water springs, and should be seen in clear weather at a distance of about 15 miles.

**DANGERS near PEDRA BRANCA.**—With the exception of a patch of 4 fathoms, the north and north-west sides of Pedra Branca are steep-to, there being 17 fathoms close to the rock, and 30 to 36 fathoms near it.

This 4-fathoms patch lies about a quarter of a mile northward of the rock, and is the only shoal spot between it and the Romania shoals, in which space the depths are very variable in mid-channel, 17 to 32 fathoms, but they become more regular, 17 to 14 fathoms, towards the Romania shoals.

The east, south, and south-east sides of Pedra Branca should not be approached nearer than a mile, for there are dangerous rocky patches to the distance of half a mile from the east side; and the south and south-east sides are foul to three-quarters of a mile, at which distance South and S.S.E.  $\frac{1}{4}$  E. from the lighthouse are two dangerous ledges, named Middle rocks, which are but little above the surface at high water. Eastward a short distance from the Middle rocks is a patch of 4 fathoms, and North a quarter of a mile from this patch is a rock with only 3 feet of water over it.

**SOUTH LEDGE**, called by Horsburgh the South-west rocks, is very dangerous. It consists of three pointed rocks, very little detached from each other, with 8 and 9 fathoms close to, and 16 or 18 fathoms at a short distance from them in their stream. They are of small extent, not visible until the ebb has been made some time, and are nearly covered before the stream of flood begins to run. Horsburgh lighthouse bears from them N. by E.  $\frac{2}{3}$  E., distant 2 miles; the large Romania island N.W. by W.  $\frac{1}{3}$  W.  $7\frac{1}{2}$  miles; and the outer hill on Brakit point E.S.E.  $12\frac{1}{3}$  miles.

**Annex 69**

**Territorial Waters Jurisdiction Act, 1878 (United Kingdom)**

1878.

*Sale of Liquors on Sunday (I.) Act, 1878.* CH. 72, 73.

579

6. This Act shall extend to Ireland only.

7. This Act shall continue in force until the thirty-first day of December one thousand eight hundred and eighty-two, and no longer, unless Parliament shall otherwise determine; and on the said day, all the provisions of any Act now in force regulating the hours of opening or keeping open of any premises for the sale of intoxicating liquors on Sunday shall come into operation and take effect as if this Act had not been passed.

Extension of Act.  
Act to continue in force until 31st Dec. 1882.

### CHAPTER 73.

An Act to regulate the Law relating to the Trial of Offences committed on the Sea within a certain distance of the Coasts of Her Majesty's Dominions.

[16th August 1878.]

WHEREAS the rightful jurisdiction of Her Majesty, her heirs and successors, extends and has always extended over the open seas adjacent to the coasts of the United Kingdom and of all other parts of Her Majesty's dominions to such a distance as is necessary for the defence and security of such dominions:

And whereas it is expedient that all offences committed on the open sea within a certain distance of the coasts of the United Kingdom and of all other parts of Her Majesty's dominions, by whomsoever committed, should be dealt with according to law:

Be it therefore enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:

1. This Act may be cited as the Territorial Waters Jurisdiction Act, 1878. Short title.

2. An offence committed by a person, whether he is or is not a subject of Her Majesty, on the open sea within the territorial waters of Her Majesty's dominions, is an offence within the jurisdiction of the Admiral, although it may have been committed on board or by means of a foreign ship, and the person who committed such offence may be arrested, tried, and punished accordingly. Amendment of the law as to the jurisdiction of the Admiral.

3. Proceedings for the trial and punishment of a person who is not a subject of Her Majesty, and who is charged with any such offence as is declared by this Act to be within the jurisdiction of the Admiral, shall not be instituted in any court of the United Kingdom, except with the consent of one of Her Majesty's Principal Secretaries of State, and on his certificate that the institution of such proceedings is in his opinion expedient, and shall not be instituted in any of the dominions of Her Majesty out of the United Kingdom, except with the leave of the Governor of the part of the dominions in which such proceedings are proposed to be instituted, and on his certificate that it is expedient that such proceedings should be instituted. Restriction on institution of proceedings for punishment of offence.

4. On the trial of any person who is not a subject of Her Majesty for an offence declared by this Act to be within the jurisdiction of the Admiral, it shall not be necessary to aver in any indictment or information on such trial that such consent or Provisions as to procedure.

certificate of the Secretary of State or Governor as is required by this Act has been given, and the fact of the same having been given shall be presumed unless disputed by the defendant at the trial; and the production of a document purporting to be signed by one of Her Majesty's Principal Secretaries of State as respects the United Kingdom, and by the Governor as respects any other part of Her Majesty's dominions, and containing such consent and certificate, shall be sufficient evidence for all the purposes of this Act of the consent and certificate required by this Act.

Proceedings before a justice of the peace or other magistrate previous to the committal of an offender for trial or to the determination of the justice or magistrate that the offender is to be put upon his trial shall not be deemed proceedings for the trial of the offence committed by such offender for the purposes of the said consent and certificate under this Act.

Saving as to jurisdiction.

5. Nothing in this Act contained shall be construed to be in derogation of any rightful jurisdiction of Her Majesty, her heirs or successors, under the law of nations, or to affect or prejudice any jurisdiction conferred by Act of Parliament or now by law existing in relation to foreign ships or in relation to persons on board such ships.

Saving as to piracy.

6. This Act shall not prejudice or affect the trial in manner heretofore in use of any act of piracy as defined by the law of nations, or affect or prejudice any law relating thereto; and where any act of piracy as defined by the law of nations is also any such offence as is declared by this Act to be within the jurisdiction of the Admiral, such offence may be tried in pursuance of this Act, or in pursuance of any other Act of Parliament, law, or custom relating thereto.

Definitions.

7. In this Act, unless there is something inconsistent in the context, the following expressions shall respectively have the meanings herein-after assigned to them; that is to say,

"Jurisdiction of the Admiral:"

"The jurisdiction of the Admiral," as used in this Act, includes the jurisdiction of the Admiralty of England and Ireland, or either of such jurisdictions as used in any Act of Parliament; and for the purpose of arresting any person charged with an offence declared by this Act to be within the jurisdiction of the Admiral, the territorial waters adjacent to the United Kingdom, or any other part of Her Majesty's dominions, shall be deemed to be within the jurisdiction of any judge, magistrate, or officer having power within such United Kingdom, or other part of Her Majesty's dominions, to issue warrants for arresting or to arrest persons charged with offences committed within the jurisdiction of such judge, magistrate, or officer:

"United Kingdom:"

"United Kingdom" includes the Isle of Man, the Channel Islands, and other adjacent islands:

"Territorial waters of Her Majesty's dominions:"

"The territorial waters of Her Majesty's dominions," in reference to the sea, means such part of the sea adjacent to the coast of the United Kingdom, or the coast of some other part of Her Majesty's dominions, as is deemed by international law to be within the territorial sovereignty of Her Majesty; and for the purpose of any offence declared by this Act to be

within the jurisdiction of the Admiral, any part of the open sea within one marine league of the coast measured from low-water mark shall be deemed to be open sea within the territorial waters of Her Majesty's dominions :

"Governor," as respects India, means the Governor General or the Governor of any presidency ; and where a British possession consists of several constituent colonies, means the Governor General of the whole possession or the Governor of any of the constituent colonies ; and as respects any other British possession, means the officer for the time being administering the government of such possession ; also any person acting for or in the capacity of Governor shall be included under the term "Governor:"

"Offence" as used in this Act means an act, neglect, or default of such a description as would, if committed within the body of a county in England, be punishable on indictment according to the law of England for the time being in force :

"Ship" includes every description of ship, boat, or other floating craft :

"Foreign ship" means any ship which is not a British ship.

### CHAPTER 74.

An Act for making better provision respecting Contagious and Infectious Diseases of Cattle and other Animals ; and for other purposes. [16th August 1878.]

BE it enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows :

#### PART I.—GENERAL.

1. This Act may be cited as the Contagious Diseases (Animals) Act, 1878. Short title.

2.—(1.) This Act shall, except as otherwise expressed, commence and have effect from and immediately after the thirtieth day of September one thousand eight hundred and seventy-eight, which time is in this Act referred to as the commencement of this Act. Commencement of Act.

(2.) But on and after the passing of this Act any Order of Council and Order in Council necessary or proper for bringing this Act into operation at the commencement thereof, and any order or regulation of a local authority authorised by any such Order of Council or in Council, may be made so that the same do not take effect before the commencement of this Act ; and on and after the passing of this Act any committee and any inspector or other officer may be appointed to act under this Act as from the commencement thereof.

3. This Act is divided into parts, as follows :

- Part I.—General.
- Part II.—England.
- Part III.—Scotland.
- Part IV.—Ireland.

Division of Act into parts.

**Annex 70**

**Straits Settlements Government Notification  
No. 21 dated 10 Jan 1883 and No. 159 dated 5 Apr 1883**

## GOVERNMENT NOTIFICATION—No. 20.

WITH reference to Government Notification, No. 505, of the 23rd November, 1882, the following List of the Contractors whose Tenders have been accepted by the Government, is published for general information:—

| Description.                                        | Names of Contractors. |
|-----------------------------------------------------|-----------------------|
| 1. Renewal of Ceilings to Police Bharu Station, ... | } WOON AH CHOON.      |
| 2. Erecting Quarters for six Married Lascars, ...   | } ADAMSAH.            |

By His Excellency's Command,

A. P. TALBOT,  
*for Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
*Singapore, 10th January, 1883.*

## GOVERNMENT NOTIFICATION—No. 21.

TENDERS will be received at the Colonial Secretary's Office, up to noon of the 22nd instant, for the execution of the undermentioned works:—

- 1.—Quarters for Malay Teachers at Teluk Blangah and Tanjong Kling Schools.
- 2.—Construction and Maintenance of Vernacular Schools.
- 3.—Buoys and Beacons Shed and Lascar Caretakers' House, Pulau Brani.
- 4.—Special Services and Additions to Signal Serjeant's Quarters, Mount Faber.
- 5.—Strengthening Jetty and erecting small Landing Stage at Horsburgh Light-house.
- 6.—Repairs to Sea-wall and Jetty, Raffles Light-house.
- 7.—Reconstruction of Harbour Obelisk.
- 8.—Erecting Out-buildings at Kampong Saigon, Kampong Kerbau, Rochor and Pulau Tekong Police Stations.
- 9.—Building semi-permanent Out-houses, No. 1 Bungalow, Government House Estate.

Plans and Specifications may be seen, and all particulars obtained, at the Colonial Engineer's Office, any day, between the hours of 10 A.M. and 4 P.M., Sundays excepted.

Tenders must be labelled as specified above for each work.

The Government does not bind itself to accept the lowest, or any, tender.

By His Excellency's Command,

A. P. TALBOT,  
*for Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
*Singapore, 10th January, 1883.*



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**GOVERNMENT NOTIFICATION—No. 159.**

TENDERS will be received at the Colonial Secretary's Office, up to noon of the 16th proximo, for strengthening and improving the new Iron Jetty at the Horsburgh Light-house.

Plans and Specifications may be seen, and all particulars obtained, at the Colonial Engineer's Office any day, between the hours of 10 A.M. and 4 P.M., Sundays excepted.

Tenders must be labelled as specified above for the work.

The Government does not bind itself to accept the lowest, or any, tender.

By His Excellency's Command,

C. J. IRVING,  
*Acting Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
Singapore, 5th April, 1883.

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**GOVERNMENT NOTIFICATION.—No. 160.**

THE following proposals for obtaining and securing the services of a qualified staff of Tamil Interpreters, have received the sanction of the Right Hon'ble the Secretary of State for the Colonies and are published for general information.

By His Excellency's Command,

C. J. IRVING,  
*Acting Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
Singapore, 5th April, 1883.

*Proposals to obtain and secure the Services of a qualified Staff of  
Tamil Interpreters.*

1. There shall be two grades of Interpreters :—
  - 1st Grade. To meet the requirements of the Supreme Court.
  - 2nd Grade. To meet the requirements of the Inferior Courts.
2. The Interpreters of the First Grade must be able to interpret and translate into English both Tamil and Hindustani, and *vice versa*.
3. The salary of Interpreters in the First Grade shall be \$100 a month, rising to \$110 at the end of the third year, and to \$125 a month after the fifth year of approved service.
4. The Interpreters of the Second Grade must be able to interpret and translate from Tamil into English and *vice versa*.
5. The salary of Interpreters in the Second Grade shall be \$50 a month.
6. Interpreters in the Second Grade who can pass a qualifying examination in Hindustani shall receive an additional salary of \$25 a month.
7. Every Interpreter must perform such clerical work as may be required of him when he is not actually engaged in Courts.
8. Every Interpreter is liable to be transferred from one Court to another, and from one Settlement to another.

## **Annex 71**

**Johore Treaty of 11 Dec 1885 (London Treaty),  
reprinted in Allen, Stockwell & Wright (eds.), A Collection of  
Treaties and other Documents Affecting the States of  
Malaysia, 1761-1963 (1981), pp. 72-74**

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A COLLECTION  
OF TREATIES  
AND OTHER DOCUMENTS  
AFFECTING THE STATES  
OF MALAYSIA  
1761-1963

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Volume I

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Edited by

J. de V. Allen

A. J. Stockwell

L. R. Wright

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Foreword by

C.D. Cowan

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Oceana Publications, Inc.  
London • Rome • New York

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## JOHORE TREATY of 11 December 1885

London Treaty<sup>1\*</sup>

Agreement on certain points touching the relations of Her Majesty's Government of the Straits Settlements with the Government of the Independent State of Johore, made between the Right Honourable Frederick Arthur Stanley, Her Majesty's Secretary of State for the Colonies, on behalf of the Queen of the United Kingdom of Great Britain and Ireland, Empress of India, and His Highness the Maharajah of Johore.

Article i

The two Governments will at all times cordially co-operate in the settlement of a peaceful population in their respective neighbouring territories, and in the joint defence of those territories from external hostile attacks,<sup>2</sup> and in the mutual surrender of persons accused or convicted of any crime or offence, under such conditions as may be arranged between the two Governments.

Article ii

His Highness the Maharajah of Johore undertakes, if requested by the Government of the Straits Settlements, to co-operate in making arrangements for facilitating trade and transit communication overland through the State of Johore with the State of Pahang.

Article iii

If the Government of the Straits Settlements shall at any time desire to appoint a British Officer as Agent to live within the State of Johore, having functions similar to those of a Consular officer, His Highness the Maharajah will be prepared to provide, free of cost, a suitable site within his territory whereon a residence may be erected for occupation by such officer.

Article iv

Any coinage in the currency of the Straits Settlements, which may be required for the use of the Government of Johore, shall be supplied to it by the Government of the Straits Settlements, at rates not higher than those at which

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\* For footnotes see p.74.

similar coinage is supplied to Governments of the Malay Protected States, and under the same limitations as to amount. His Highness the Maharajah on his part undertakes that the applications of his Government for subsidiary coinage shall be strictly limited by the legitimate requirements of the inhabitants of the State of Johore, and that the coinage so issued shall be subject to the same limitations as regards legal tender as are in force in the Straits Settlements.

#### Article v

The Governor of the Straits Settlements, in the spirit of former treaties, will at all times to the utmost of his power take whatever steps may be necessary to protect the Government and territory of Johore from any external hostile attacks; and for these or for similar purposes Her Majesty's Officers shall at all times have free access to the waters of the State of Johore; and it is agreed that those waters extend to three miles from the shore of the State, or in any waters less than six miles in width, to an imaginary line midway between the shores of the two countries.<sup>3</sup>

#### Article vi

The Maharajah of Johore, in the spirit of former treaties, undertakes on his part that he will not without the knowledge and consent of Her Majesty's Government negotiate any Treaty, or enter into any engagement with any foreign State, or interfere in the politics or administration of any native State, or make any grant or concession to other than British subjects or British companies or persons of the Chinese, Malay, or other Oriental Race, or enter into any political correspondence with any foreign State.

It is further agreed that if occasion should arise for political correspondence between His Highness the Maharajah and any foreign State, such correspondence shall be concluded through Her Majesty's Government, to whom His Highness makes over the guidance and control of his foreign relations.

#### Article vii

Whereas His Highness the Maharajah of Johore has made known to the Governor of the Straits Settlements that it is the desire of his chiefs and people that he should assume the title of Sultan, it is further agreed that, in consideration of the loyal friendship and constant affection His

Highness has shown to the Government of Her Majesty the Queen and Empress, and of the stipulations contained in this Memorandum, he and his heirs and successors, lawfully succeeding according to Malay custom, shall in future be acknowledged as His Highness the Sultan of the State and territory of Johore, and shall be so addressed.

In witness whereof the said Right Honourable FREDERICK ARTHUR STANLEY, and his said Highness the Maharajah of Johore, have signed this Agreement at the Colonial Office, London, the eleventh day of December, one thousand eight hundred and eighty-five.

Signature FREDERICK ARTHUR STANLEY,  
Secretary of State for the  
Colonies

Signature ABUBAKAR  
(in Jawi script)

Witnesses ROBERT G.W. HERBERT, Chairman,  
Johore Advisory Board.

ABDUL RAHMAN,  
Dato Sri Amar di-Raja.

#### FOOTNOTES

1. There is a copy of this Treaty in the National Archives of Malaysia, Kuala Lumpur.
2. On account of this clause it was necessary to submit this Treaty for Foreign Office approval, and for the Foreign Office to lay it before the Queen (*cp.* the Pahang 1887 and Sri Menanti 1886 Treaties).
3. For an important despatch regarding amendments to this clause, see CO 273/319, Anderson pr. to Lucas of CO of 22 Nov. 1906. See also the Johore Treaty of 1927, p.114.

**Annex 72**

**“Notice to Mariners”, Straits Settlements Government  
Notification No. 321 dated 29 June 1887**

And, I hereby give notice to all persons bound to prosecute and give evidence at the said Session of Assizes and Court of Admiralty or in any way concerned therein, that they are, to attend at the time and place above-mentioned, and not to depart without leave of the Court.

And, I hereby give notice to all Justices of the Peace, Coroners, and Peace Officers of Penang, and the places subordinate thereto, that they be then and there in their own proper persons, with their Rolls, Records, Indictments, and other Remembrances to do those things which to their Offices in that behalf appertain to be done.

Dated at Penang, this 17th day of June, 1887, in the fiftieth year of the Reign of Her Majesty Queen VICTORIA.

JAMES B. D. RODYK,  
*Sheriff of Penang.*

### GOVERNMENT NOTIFICATION—No. 321.

THE following Notices to Mariners are published for general information.

By His Excellency's Command,

J. F. DICKSON,  
*Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
*Singapore, 1st July, 1887.*

### NOTICES TO MARINERS.

#### STRAITS OF MALACCA.

AFTER the 1st July, 1887, the Masts and Funnel of the *Bentan* will be removed, when she will be no longer a danger to navigation, there being eight fathoms of water over her deck.

A green nun-buoy will mark the wreck until removed.

HENRY ELLIS,  
*Master Attendant, S. S.*

MASTER ATTENDANT'S OFFICE,  
*Singapore, 22nd June, 1887.*

#### SINGAPORE STRAITS.

AFTER the 5th August, 1887, the Revolving Light on the Horsburgh Light-house will be discontinued during alterations.

Until the new light is exhibited, the Light-ship *Formosa* will be moored on the North-East end of the reef, one cable's length from the base of the Light-tower. The Light-ship will exhibit a bright revolving light in all respects, similar to the Horsburgh light, but visible at a distance of only ten miles.

In addition, there will be two bright lights shown from the Balcony of the Light-house Tower North and South at an elevation of 85 feet and visible about fifteen miles.

HENRY ELLIS,  
*Master Attendant, S. S.*

MASTER ATTENDANT'S OFFICE,  
*Singapore, 29th June, 1887.*



**Annex 73**

**“Notice to Mariners”, Straits Settlements Government  
Notification No. 449 dated 2 Sep 1887**

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**MUNICIPAL NOTICE.**

THE Municipal Commissioners of Penang invite tenders for the lighting of George Town for a period of one year from the 1st January, 1888.

Forms of tender and full particulars can be obtained at the Municipal Office, Town Hall.

Tenders, which should be endorsed "Tender for Street Lighting," will be received by the undersigned up to 4 P.M. on Thursday, the 6th October next.

The Commissioners do not bind themselves to accept the lowest, or any, tender.

By order,

J. W. HALLIFAX,  
*Secretary to the Municipal Commissioners.*

MUNICIPAL OFFICE, TOWN HALL,  
*Penang, 1st September, 1887.*

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**GOVERNMENT NOTIFICATION—No. 448.**

THE following is published for general information.

By His Excellency's Command,

J. F. DICKSON,  
*Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
*Singapore, 7th September, 1887.*

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**THE BILLS OF SALE ORDINANCE, 1886.**

*Report of Bills of Sale registered &c. in the month of August, 1887.*

|                                                                                                                   |      |
|-------------------------------------------------------------------------------------------------------------------|------|
| 1. Bills of sale attested, explained and registered, the consideration for each bill of sale being \$250 or less, | } 79 |
| 2. Bills of sale attested, explained and registered the consideration for each bill of sale being above \$250,    | } 32 |
| 3. Bills of sale as to which declarations of re-registration have been filed,                                     | 43   |
| 4. Bills of sale as to which declarations of transfer have been filed,                                            | 5    |
| 5. Searches made in register,                                                                                     | 9    |
| 6. Extracts taken from registered documents above a folio of 100 words,                                           | 2    |
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T. H. KERSHAW,  
*Registrar of Bills of Sale.*

REGISTRY OF BILLS OF SALE,  
*Singapore, 5th September, 1887.*

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**GOVERNMENT NOTIFICATION—No. 449.**

THE following Notice to Mariners is published for general information.

By His Excellency's Command,

J. F. DICKSON,  
*Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
*Singapore, 7th September, 1887.*

## NOTICE TO MARINERS.

## SINGAPORE STRAITS.

ON and after the 22nd September, 1887, a first order Flashing Light will be exhibited from the Horsburgh Light-house and should be visible in clear weather at a distance of about twenty miles.

The tower, formerly painted white, is now belted with alternate black and white bands at equal distances apart.

HENRY ELLIS,

*Master Attendant, Straits Settlements.*

MASTER ATTENDANT'S OFFICE,  
Singapore, 2nd September, 1887.

## GOVERNMENT NOTIFICATION—No. 450.

THE following account, for July, has been forwarded by the Managers of the under-mentioned Banks, duly certified by them, for publication in the *Government Gazette*.

By His Excellency's Command,

J. F. DICKSON,  
*Colonial Secretary.*

COLONIAL SECRETARY'S OFFICE,  
Singapore, 7th September, 1887.

| Name of Bank.                                        | Average Amount of Bank Notes in Circulation for the month of July, 1887. | Specie in Reserve. |
|------------------------------------------------------|--------------------------------------------------------------------------|--------------------|
| <b>SINGAPORE.</b>                                    |                                                                          |                    |
| Chartered Mercantile Bank of India London and China. | 759,760                                                                  | 400,000            |
| Chartered Bank of India Australia and China.         | 1,101,207                                                                | 500,000            |
| Hongkong and Shanghai Banking Corporation.           | 1,065,780                                                                | 500,000            |
| <b>PENANG.</b>                                       |                                                                          |                    |
| Chartered Mercantile Bank of India London and China. | 848,730                                                                  | 350,000            |
| Chartered Bank of India Australia and China.         | 746,100                                                                  | 300,000            |
| Hongkong and Shanghai Banking Corporation.           | 582,815                                                                  | 250,000            |
| <b>MALACCA.</b>                                      |                                                                          |                    |
| Chartered Mercantile Bank of India London and China. | 251,300                                                                  | 84,000             |
| Total.                                               | 85,355,701                                                               | 82,384,000         |

**Annex 74**

**Tenders for Girders, Tension Rods, Roof of Davits of  
Horsburgh Lighthouse Pier, Straits Settlements Government  
Notification No. 767 dated 13 June 1902**

**No. 766.**—THE meeting of the Licensing Justices for the quarter commencing 1st July, will be held in the Private Room of the First Magistrate at the Police Courts at 3 P.M. on Thursday the 3rd July.

Applicants for transfers or new licences and persons objecting to the same must appear in person or by their duly accredited representatives.

All applications should reach the Excise Licensing Officer at least seven days before the date fixed for the meeting.

Applications for new licences cannot be granted unless received in time for publication and for enquiry to be made.

*Singapore, 13th June, 1902.*

**No. 767.**—TENDERS will be received at the Colonial Secretary's Office, up to noon of the 23rd June, 1902, for the following works:—

- (1) Providing new girders, tension rods, roof of Davits of Horsburgh Lighthouse Pier.
- (2) Half-yearly whitewashing and tarring and general repairs to all the Wards at Tan Tock Seng's Hospital.

Plans and Specifications may be seen, and printed forms of tender with all particulars obtained at the Public Works Department any day between the hours of 10 A.M. and 4 P.M. (Sundays excepted).

Tenders must be addressed to the Hon'ble the Colonial Secretary and labelled as specified above for each work, and they must be on the printed forms which can be obtained on application to the Chief Clerk, Public Works Department.

The Government does not bind itself to accept the lowest, or any, tender.

*Singapore, 13th June, 1902.*

**No. 768.**—LETTER FROM THE BRITISH VICE CONSUL AT SOURABAYA:

[ No. 63. ]

BRITISH VICE CONSULATE,  
*Sourabaya, 11th June, 1902.*

SIR,—Hereunder please find the Cholera Statistics up to 7th instant:—

| Dates.                  | Europeans. |         | All Others. |         | Total. |         |
|-------------------------|------------|---------|-------------|---------|--------|---------|
|                         | Cases.     | Deaths. | Cases.      | Deaths. | Cases. | Deaths. |
| 25th-31st May, 1902 ... | 1          | 2       | 88          | 70      | 89     | 72      |
| 1st-7th June, 1902 ...  | 2          | 1       | 81          | 55      | 83     | 56      |
| Total to date ...       | 287        | 151     | 7,441       | 5,148   | 7,728  | 5,299   |

I am, &c.,

A. MCLEAN,  
*British Vice Consul.*

*The Colonial Secretary, Singapore.*

**No. 769.**—LETTER FROM THE HON'BLE THE COLONIAL SECRETARY, HONGKONG.

[No. 1290.]

COLONIAL SECRETARY'S OFFICE,  
*Hongkong, 10th June, 1902.*

SIR,—I am directed by the Governor to transmit for your information the enclosed report by the Medical Officer of Health, shewing the number of cases of Bubonic Plague which have occurred in this Colony during the period mentioned in the return.

I have, &c.,

F. H. MAY,  
*Colonial Secretary.*

*The Hon'ble  
The Colonial Secretary,  
Straits Settlements.*

**Annex 75**

**Tenders for Girders for Horsburgh Light-house, Straits  
Settlements Government Gazette Notification No. 867  
dated 8 July 1902**

**No. 865.—AMENDMENT OF RULE MADE UNDER "THE REGISTRATION OF DEEDS ORDINANCE 1886."**

**RULE**

MADE BY

HIS EXCELLENCY THE GOVERNOR IN COUNCIL,

UNDER

"*The Registration of Deeds Ordinance 1886*," amending Rule 2 of the Rules  
- dated 19th December, 1900,

MADE BY

HIS HONOUR THE OFFICER ADMINISTERING THE GOVERNMENT  
IN COUNCIL, UNDER THAT ORDINANCE.

Rule 2 is amended by the addition at the end thereof of the words following:—

"Every such discharge shall, unless attested by the Registrar, be certified in the manner prescribed in section 13, sub-section 5 of 'The Registration of Deeds Ordinance 1886' and in the form set out in the first schedule to the said Ordinance.

"If such discharge is attested by the Registrar, the Registrar shall before attesting the same satisfy himself as to the identity of the person or persons appearing before him and claiming to execute the instrument and in the case of any person appearing as a legal personal representative or agent satisfy himself of the right of such person so to appear."

A. W. S. O'SULLIVAN,  
*Clerk of Councils.*

COUNCIL CHAMBER,  
*Singapore, 2nd June, 1902.*

**No. 866.—NOTICE UNDER SECTION 8 OF ORDINANCE NO. X OF 1883.**

WHEREAS it appears to the undersigned Collector of Land Revenue, Butterworth, that a certain piece of land situated at Paya Kladi, comprised in Indenture 4724 dated 15th July, 1853, now known as Demarcation lot No. 725 in Mukim III, Province Wellesley, Northern District, containing an area of 3 roods and 18 poles has been abandoned for upwards of three years next before the date of this notice:

Now, I, the said Collector of Land Revenue under the powers given to me by Ordinance No. X of 1883, Section 8, and by virtue of the sanction and authority of His Excellency the Governor, do declare that if the said piece of land is not claimed within six months from the date of this notice, by a person able to establish a title thereto, it will be deemed to have been forfeited to the Crown.

L. E. P. WOLFERSTAN,  
*Collector of Land Revenue.*

LAND OFFICE,  
*Butterworth, 26th June, 1902.*

**No. 867.—TENDERS** will be received at the Colonial Secretary's Office, up to noon of the 16th July, 1902, for the following works:—

- (1) Additional accommodation for the Constables at the Tanjong Rhu Police Station.
- (2) Providing new girders, &c., for the Horsburgh Light-house.
- (3) Half-yearly whitewashing and tarring to all the wards at Tan Tock Seng's Hospital.

Plans and Specifications may be seen, and printed forms of tender with all particulars obtained at the Public Works Department any day between the hours of 10 A.M. and 4 P.M. (Sundays excepted.)

Tenders must be addressed to the Hon'ble the Colonial Secretary, Straits Settlements, and labelled as specified above for each work, and they must be on the printed forms which can be obtained on application to the Chief Clerk, Public Works Department.

The Government does not bind itself to accept the lowest, or any, tender.

*Singapore, 8th July, 1902.*

**Annex 76**

Order-in-Council of 23 Oct 1907 (Straits Settlements)





# Straits Settlements

## GOVERNMENT GAZETTE

### Published by Authority.

NO. 55.]      SINGAPORE, FRIDAY, NOVEMBER 1, 1907.      [VOL XLII.

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The following Notifications are, by command of His Excellency the Governor, published for general information.

**ARTHUR YOUNG,**  
*Colonial Secretary.*

**No. 1114.—ORDER BY HIS EXCELLENCY THE GOVERNOR IN COUNCIL UNDER INDIAN ACT NO. XIII OF 1854.**

WHEREAS by Indian Act No. XIII of 1854 intituled "An Act to repeal Act No. VI of 1852 and to make provision for defraying the cost of the Light-house on Pedra Branca, and for maintaining the same, and also a Floating Light established in the Straits of Malacca, to the west of Singapore, and for the establishment and maintenance of such further lights in or near to the said Straits as may be deemed expedient," it was among other things enacted that it should be lawful for the Governor-General of India in Council from time to time to reduce the tolls payable under the said Act, in respect of all vessels or of any particular class or classes of vessels passing "The Straits Lights;" AND WHEREAS by Ordinance No. II of 1867 the powers vested by the said Act in the Governor-General of India in Council were vested in the Governor in Council of the Straits Settlements:

It is hereby ordered by the Governor in Council as follows:—

On and after the 1st day of January, 1908, the tolls payable under Indian Act No. XIII of 1854 in respect of all vessels other than Straits Traders shall be as follows:—

If the voyage be one in the ordinary course whereof the vessel would pass all the lights mentioned in the First Schedule hereto, at the rate of twelve and a half cents for every seven tons if paid within the Colony, or at the rate of half an anna for every ton if paid in British India.

If the voyage be one in the ordinary course whereof the vessel would pass any one or more of the said Lights, but not all of them, at the rate of six and a quarter cents for every seven tons if paid within the Colony or at the rate of a quarter anna for every ton if paid in British India.

Provided always that no vessel shall be obliged to pay in any one month a larger sum by way of tolls than at the rate of thirty-seven and a half cents for every seven tons if paid within the Colony or at the rate of one and a half annas for every ton if paid in British India, and that all vessels described in the Second Schedule shall be exempt altogether from toll.

NOTE:— $\frac{1}{2}$  anna =  $\frac{1}{2}d$ .  $12\frac{1}{2}$  cents =  $3\frac{1}{2}d$ .

**First Schedule.**

Muka Head Light, Penang.  
Pulau Rimau Light, Penang.  
One Fathom Bank Light (North Sands).  
Cape Rachado Light.  
Malacca Harbour Light.  
Pulau Undan Light.  
Pulau Pisang Light.  
Sultan Shoal Light.  
Raffles Light.  
Singapore Harbour Light.  
Horsburgh Light, Pedra Branca.

### Second Schedule.

Sailing vessels under 200 tons plying between the ports of the Colony or to or from any port or place in the Colony from or to any port or place on the coast of the Malay Peninsula to the South of the ninth degree of North Latitude or to or from any port or place in the Colony from or to any port or place on the East coast of the island of Sumatra.

A. H. LEMON,  
*Acting Clerk of Councils.*

COUNCIL CHAMBER,  
SINGAPORE, 23rd October, 1907.

**No. 1115.—REGULATIONS RESPECTING MILK VENDORS MADE BY THE GOVERNOR IN COUNCIL UNDER SECTION 5 (XII) OF "THE QUARANTINE AND PREVENTION OF DISEASE ORDINANCE 1836."**

### MUNICIPALITY OF THE TOWN AND FORT OF MALACCA.

1. No person shall after the 1st day of January, 1908, carry on the trade of a cow-keeper, dairyman or purveyor of milk within the Municipality without first having registered himself at the office of the Municipal Commissioners and furnished the particulars required for registration. Such register shall be kept in the Form in the Schedule.
2. All cow-sheds, dairies and places for the sale of milk shall have a plentiful supply of pure water, and the premises and all utensils used therein shall be kept clean.
3. All cow-sheds shall be freely ventilated and well drained, and all filth and refuse shall be removed at least once in every twenty-four hours.
4. All cow-sheds, dairies and places for the sale of milk shall be open to inspection by duly authorized officers of the Municipality at all times.
5. No person shall sell or offer for sale or have in his possession for sale or delivery milk within the Municipal limits, except at a registered cow-shed, dairy or place for the sale of milk, unless he shall first have obtained a licence from the Municipal Commissioners in the form prescribed by them and shall be wearing a badge issued by them. Such licences shall be issued annually by the Municipal Commissioners in the month of January each year and the badge shall be worn and the licence shall be carried on the person when selling or delivering milk. A fee of \$1 shall be paid for each licence, including the badge.
6. No person shall sell, or offer for sale, to the prejudice of a purchaser, any milk to which any water or other matter or ingredient has been added.
7. No proprietor, occupier or manager of a cow-shed or dairy shall have in his possession, by himself or his servant, any milk to which any water or other matter or ingredient has been added if such addition would be prejudicial to a purchaser.
8. The adulteration referred to in Clauses 6 and 7 hereof shall be deemed to be to the prejudice of a purchaser, notwithstanding that the purchaser having bought it only for analysis was not and could not have been prejudiced thereby.
9. Any person offering milk for sale, and any proprietor, occupier or manager of a cow-shed, dairy or place for the sale of milk, and any person entrusted for the time being with the charge of any milk, shall permit any duly authorized officer of the Municipality at any time to take such quantity of such milk as such officer shall require for the purpose of analysis on his making payment therefor.
10. Every proprietor, occupier or manager of a cow-shed, dairy or place for the sale of milk having in his possession or under his charge any

**Annex 77**

**The Light-Houses Ordinance 1912 (Straits Settlements)**

## ORDINANCE NO. XVII OF 1912.

AN Ordinance to repeal in part Indian Act No. XIII of 1854 and make new provision for the maintenance of the Light-houses of the Straits of Malacca.

[23rd December, 1912.]

ARTHUR YOUNG,

*Governor and Commander-in-Chief.*

**W**HEREAS with the view of abolishing the tolls leviable under the provisions of Indian Act No. XIII of 1854 upon ships departing from or entering the ports harbours or roadsteads of the Colony an arrangement has been made between the Governments of the Federated Malay States and the Colony whereby the Government of the Federated Malay States has agreed to contribute to the cost of maintaining the Straits lights. And whereas it is expedient to abolish the said tolls. Preamble.

It is hereby enacted by the Governor of the Straits Settlements with the advice and consent of the Legislative Council thereof as follows:—

1. This Ordinance may be cited as “The Light-Houses Ordinance 1912” and shall come into force on the first day of January, 1913. Short title.

2. Indian Act No. XIII of 1854 and “The Light Tolls Act Amendment Ordinance 1910” are hereby repealed save in so far as the provisions of Indian Act No. XIII of 1854 relating to the collection of light dues are made applicable for the collection of light dues under “The Light Dues (Imperial) Ordinance, 1882” by section 5 of that Ordinance for which purpose such provisions shall remain in full force and effect. Repeal.

3. The light-house known as the Horsburgh Light-house situate on the Island rock called Pedra Branca at the eastern entrance of the Straits of Singapore and all such other light-houses as are now established in or near to the Straits of Malacca or Singapore together with the appurtenances thereof and all the fixtures apparatus and furniture belonging thereto The Horsburgh Light-house and other light-houses to remain vested in the Government.

shall remain the property of and be absolutely vested in the Government.

"The Straits Lights."

4. The light maintained at the Horsburgh Light-house and all such other lights or beacons as are now or shall hereafter be maintained by the Government in or near to the Straits of Malacca or Singapore shall as heretofore be called "The Straits Lights."

Management, control and maintenance of light-houses.

5.—(1) The management and control of the Horsburgh Light-house and other light-houses established in or near to the Straits of Malacca or Singapore as aforesaid and of the Straits Lights shall remain vested in and be maintained by the Government.

(2) No tolls shall be paid for any of the Straits Lights in respect of any vessel entering or departing from any port harbour or roadstead of the Colony whether such vessel has passed or would pass any of the said lights or not but all necessary sums of money required to pay the cost of their maintenance shall after taking into account the amount of any contribution paid towards such cost by the Government of the Federated Malay States be provided for out of the revenues of the Colony.

Officer to be appointed to collect light dues under Ord. VIII of 1882.

6. The Governor may appoint an officer at each of the Settlements to collect the light dues required to be collected in the Colony by the provisions of "The Light Dues (Imperial) Ordinance 1882."

**Annex 78**

Report of the Court of Investigation of the Straits Settlements,  
Port of Singapore, dated 5 Aug 1920

**No. 1612.**—COURT OF INVESTIGATION TO EXAMINE INTO THE CIRCUMSTANCES ATTENDING THE COLLISION BETWEEN THE BRITISH S.S. *Chak Sang* AND THE DUTCH S.S. *Ban Fo Soon* ABOUT 1½ TO 1¾ MILES NORTH OF THE HORSBURGH LIGHTHOUSE ON THE NIGHT OF THE 9TH JULY, 1920.

## STRAITS SETTLEMENTS.

PORT OF SINGAPORE.

## Report of Court.

THE MERCHANT SHIPPING ORDINANCE, 1910.

(SECTION 288 (4) AND RULE 19 OF RULES UNDER SECTION 295).

In the matter of a formal investigation held at Singapore on the 5th day of August, 1920, before PAUL FELIX DAVID, assisted by BERTIE ANGELO CATOR, Commander, R.N., MAURICE LLEWELYN TONKIN and JOHN BAXTER, Master Mariners, into the circumstances attending the collision between the British s.s. *Chak Sang* and the Dutch s.s. *Ban Fo Soon* about 1½ to 1¾ miles North of the Horsburgh Lighthouse on the night of the 9th July, 1920.

The Court having carefully enquired into the circumstances attending the above-mentioned casualty makes answers to the questions put to it as follows, namely:—

**Question 1.**—Was the s.s. *Chak Sang* properly found and equipped and in a seaworthy condition on leaving Hongkong on the 3rd July, 1920?

**Answer.**—Yes.

**Question 2.**—Did the s.s. *Chak Sang* carry her proper complement of Officers as required by law?

**Answer.**—Yes.

**Question 3.**—Was a proper lookout kept on board both the s.s. *Chak Sang* and the s.s. *Ban Fo Soon*?

**Answer.**—Yes.

**Question 4.**—Were proper Navigation Lights exhibited by both vessels?

**Answer.**—Yes.

**Question 5.**—How long before the collision did each vessel observe the others lights?

**Answer.**—The s.s. *Chak Sang* saw the masthead and side lights of s.s. *Ban Fo Soon* 20 minutes before the collision. The side lights and masthead lights of the s.s. *Chak Sang* were sighted by the s.s. *Ban Fo Soon* about 33 minutes before collision.

**Question 6.**—Were proper steps taken by the Officer in charge of each ship, after sighting each other's lights, to ensure the safe navigation of their respective ships?

**Answer.**—No. The Master of the s.s. *Chak Sang* did not take proper steps to ascertain the bearing of the approaching vessel.

**Question 7.**—Were the vessels crossing vessels within the meaning of Article 19 of the Regulations for Preventing Collisions at Sea?

**Answer.**—Yes.

**Question 8.**—Where and at what time did the collision occur?

**Answer.**—The evidence as to the exact place of the collision is conflicting but the Court is of opinion that it occurred about 1½ to 1¾ miles North of Horsburgh Lighthouse. The time of collision was 8.9 P.M. on 9th July.

**Question 9.**—Were any lives lost as a result of the collision and from which vessel?

**Answer.**—No.

**Question 10.**—Did the Master of the s.s. *Chak Sang* render assistance to the s.s. *Ban Fo Soon* as required by Section 422 of the Merchant Shipping Act 1894?

**Answer.**—Yes.

**Question 11.**—(i) What damage was caused to the s.s. *Ban Fo Soon*?

(ii) What damage was caused to the s.s. *Chak Sang*?

**Answer.**—(i) and (ii) As stated in the report of Government Surveyor of Ships—Exhibit B.

**Question 12.**—By whose wrongful act or default was the collision caused?

**Answer.**—The Master of the s.s. *Chak Sang*.

**Question 13.**—Decision of the Court in respect to Certificate of the Master of the s.s. *Chak Sang*.

**Answer.**—The Court decides not to deal with the Certificate of the Master of the s.s. *Chak Sang* but reprimand him for failing to take bearings of the s.s. *Ban Fo Soon* after sighting her.

The Assessors' fees to be paid by the Attorney-General.

Dated at Singapore, this 5th day of August, 1920.

P. F. DAVID,

President.

We concur in the above report.

B. A. CATOR,

M. L. TONKIN,

JOHN BAXTER,

Assessors.



## **Annex 79**

**Extracts from First to Fifth editions of the Malacca Strait Pilot:**

- (i) 1st ed. (1924), p. 206;
- (ii) 2nd ed. (1934), p. 213;
- (iii) 3rd ed. (1946), p. 217;
- (iv) 4th ed. (1958), p. 242;
- (v) 5th ed. (1971), p. 201

10498 S 13

# MALACCA STRAIT PILOT,

England Admiralty - Hydrographic Dept. - Sailing Direction  
 [Malacca Strait] INCLUDING

## MALACCA STRAIT

AND

## THE WEST COAST OF SUMATRA.

FIRST EDITION, 1924.

ALL BEARINGS ARE TRUE.

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1924.

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*Chart 2403, Singapore strait. Var. 0° 20' E.*

Rumenia shoals in about 6 fathoms (11<sup>m</sup>0), but a patch of 5 fathoms (9<sup>m</sup>1) is situated about a cable on each side of this leading line.

This track is only recommended for vessels of light draught proceeding up and down the coast.

**Ridge.**—Rumenia shoals are connected with North patch by a ridge on which the depths are from 5 to 8 fathoms (9<sup>m</sup>1 to 14<sup>m</sup>6), with many isolated patches of 3½ to 5 fathoms (6<sup>m</sup>4 to 9<sup>m</sup>1); large vessels should pass eastward of this ridge, and of North patch.

10 The south-western patch of 3½ fathoms (6<sup>m</sup>4) lies 6½ miles, 007°, from Horsburgh lighthouse.

North patch (*Lat. 1° 30' N., Long. 104° 27' E.*), lying between 6½ and 7½ miles north-eastward from the shoalest part of the Rumenia shoals, is 1½ miles long, in a north and south direction, with depths of from 15 3½ to 4½ fathoms (6<sup>m</sup>4 to 8<sup>m</sup>7). Its north end lies 10½ miles, 013°, from Horsburgh lighthouse.

The western summit of Bintan Great hill, in line with the foot of the eastern slope of Bintan Little hill, bearing 182°, leads eastward of North patch, and the shoals to the southward, and between Eastern bank and North patch.



Great and Little Bintan, in line bearing 174°.

**CAUTION.**—Mariners are warned that the North channel should not be used for navigation, as little advantage is gained by passing through it, and it is possible that more dangers exist there than are shown on the chart.

25 **Eastern bank**, the outermost of the known banks off Tanjong Datoh in the approach to Singapore strait, is nearly 2 miles in extent, with depths of about 8 fathoms (14<sup>m</sup>6), and 11 to 13 fathoms (20<sup>m</sup>1 to 23<sup>m</sup>8) close around. It lies about 14 miles, 028°, from, and within the range of, Horsburgh light.

30 **PEDRA BRANCA**, lying in the middle of the eastern entrance of Singapore strait, nearly 8 miles from either shore, is 24 feet (7<sup>m</sup>3) high. It is on the western edge of a bank with depths of 6 to 10 fathoms (11<sup>m</sup>0 to 18<sup>m</sup>3), which extends 1½ miles eastward of it. It will be known by the lighthouse, which was erected on it in 1851, and named after Horsburgh, the celebrated hydrographer, whose labours have in a high degree benefited the interests of navigation and commerce in every part of the eastern seas.

A rock which dries 2 feet (0<sup>m</sup>6) lies 3 cables, 075°, from the lighthouse.

40 A patch, with a depth of 4½ fathoms (8<sup>m</sup>2), and steep-to, lies 4 cables northward of the lighthouse.

Middle rocks, southward of Pedra Branca, are of a whitish colour, from 2 to 4 feet (0<sup>m</sup>6 to 1<sup>m</sup>2) high, and stand on the southern edge of the surrounding bank at 6 cables from the lighthouse.

45 **Light** (*Lat. 1° 20' N., Long. 104° 24' E.*)—A light is shown, at an elevation of 101 feet (30<sup>m</sup>8), from a circular granite tower, known as Horsburgh lighthouse, 112 feet (34<sup>m</sup>1) in height, and painted in black and white bands, on Pedra Blanca; see view facing page 200.

50 **Anchorage.**—During the South-west monsoon small vessels can anchor in a depth of 10 fathoms (18<sup>m</sup>3), hard bottom, but good holding ground, with Horsburgh lighthouse bearing 206°, distant 2 cables.

At this anchorage, slack water continues during the east-going stream, and during the west-going stream the overfalls are not experienced until the lighthouse bears about 192°.

# MALACCA STRAIT PILOT

COMPRISING  
MALACCA STRAIT AND ITS NORTHERN  
APPROACHES, SINGAPORE STRAIT,  
AND THE WEST COAST  
OF SUMATRA

SECOND EDITION, 1934

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21-81-0-34.

*Chart 3839.*

bearing, being again altered to the northward when Tanjong Datok bore  $225^{\circ}$ .

*Chart 3834.*

**Pedra Branca.**—**Light.**—Pedra Branca, 24 feet ( $7^m3$ ) high, 5 lies in the middle of the eastern entrance to Singapore strait, and on the southern side of Middle channel; it is situated on the western edge of a bank, with depths of less than 10 fathoms ( $18^m3$ ).

A rock, which dries 2 feet ( $0^m6$ ), lies about 3 cables eastward of the lighthouse, and a  $4\frac{1}{2}$ -fathom ( $8^m2$ ) patch, which is steep-to, 10 lies 4 cables northward of the lighthouse.

Middle rocks, from 2 to 4 feet ( $0^m6$  to  $1^m2$ ) high, and of a whitish colour, lie about half a mile southward of the lighthouse, and on the south-western edge of the bank on which Pedra Branca lies.

A light is exhibited, at an elevation of 101 feet ( $30^m8$ ), from a 16 black circular tower with white bands, 112 feet ( $34^m1$ ) high, known as Horsburgh lighthouse, on Pedra Branca. See view facing page 207.

**South channel.**—**Dangers.**—Carter shoal is a pinnacle rock, with a depth of  $1\frac{3}{4}$  fathoms ( $3^m2$ ) over it, lying about  $4\frac{1}{2}$  miles south-20 westward of Horsburgh lighthouse; it is steep-to on its eastern side and is marked by heavy overfalls. A shoal, with a least depth of 5 fathoms ( $9^m1$ ) over it, and marked by heavy overfalls, lies about 8 cables south-south-eastward of Carter shoal.

South ledge, consists of three rocks, the northern of which dries 25 8 feet ( $2^m4$ ) and lies about 2 miles south-south-westward of Horsburgh lighthouse; the others do not uncover. They are steep-to and are nearly always marked by heavy tide-rips or by breakers. Rocky heads having depths of 10 fathoms ( $18^m3$ ), lie between the light-house and South ledge, and a bank with depths of 10 fathoms ( $18^m3$ ), 30 lies about  $1\frac{1}{2}$  miles south-south-eastward of South ledge, and another about 2 miles eastward.

**Current.**—**Tidal streams.**—In making Singapore strait from the northward, vessels should always be prepared to meet with a southerly current in the north-east monsoon, and a northerly one 35 in the opposite season, the rate of which is governed by the strength of the monsoon. In fine weather its rate is usually from  $1\frac{1}{2}$  to 2 knots, but is accelerated or retarded by the tidal streams near the coast. Between Horsburgh lighthouse (*Lat.  $1^{\circ} 20' N.$ , Long.  $104^{\circ} 24' E.$* ) and a position 40 miles eastward, it has been known to set at the 40 rate of from 3 to 4 knots.

In the neighbourhood of Horsburgh lighthouse, the main directions of the stream are north-east and south-west, the stream being of similar type to that found in the western approaches to Singapore (see page 168) and running at about the same rate; the north-45 east-going stream near Horsburgh lighthouse corresponds to the east-going stream in the western approaches, but commences about half an hour later. No exact information regarding the duration of the north-east-going stream, or the commencement and duration of the south-west-going stream, can be given. 50

The direction of the stream is, for some hours before and after slack water, considerably influenced by a cross stream running in a north-westerly or south-easterly direction; this stream is of similar

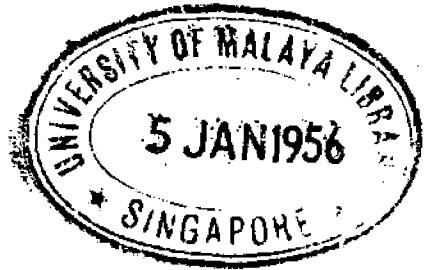
# MALACCA STRAIT PILOT

COMPRISING  
MALACCA STRAIT AND ITS NORTHERN  
APPROACHES, SINGAPORE STRAIT,  
AND THE WEST COAST  
OF SUMATRA

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*Charts 3834, 2403.*

For the coast southward, see Eastern Archipelago Pilot, Vol. IV. *Chart 3834.*

**Middle channel.—Lights.—Dangers and banks.**—Middle channel, between Pedra Branca, and Remunia shoals, is 4 miles wide, and is the passage generally used by vessels passing through Singapore strait. 5

Pedra Branca, 24 feet ( $7^m3$ ) high, lies on the western edge of a bank, with depths of less than 10 fathoms ( $18^m3$ ), in the middle of the eastern entrance to Singapore strait,  $7\frac{1}{2}$  miles east-south-eastward of Tanjong Datok (page 213). 10

A light is exhibited, at an elevation of 101 feet ( $30^m8$ ), from a black circular tower with white bands, 112 feet ( $34^m1$ ) high, known as Horsburgh lighthouse, on Pedra Branca. See view facing page 208.

A rock, which dries 2 feet ( $0^m6$ ), lies about 3 cables eastward of the lighthouse, and a 27-foot ( $8^m2$ ) patch, which is steep-to, lies 4 cables northward of the lighthouse. 15

Middle rocks, from 2 to 4 feet ( $0^m6$  to  $1^m2$ ) high, and of a whitish colour, lie about half a mile southward of the lighthouse, and on the south-western edge of the bank on which Pedra Branca lies. 20

Lima islands together with many dangers around them, extend about 3 miles in a north-north-easterly and south-south-westerly direction, and  $2\frac{1}{2}$  miles south-eastward of Tanjong Datok. Vessels should avoid this locality.

Tanjong Ayam in line with Tanjong Stapa, bearing  $274^\circ$ , leads southward of these dangers. 25

Pulau Lima, 110 feet ( $33^m5$ ) high, is the westernmost and largest of the group; it lies 6 cables south-eastward of Tanjong Datok and is wooded; Pulau besar lies half a cable north-eastward of Pulau Lima, and has a single tree on its summit. 30

Pulau Mungging, 79 feet ( $24^m1$ ) high, and wooded, lies about 3 cables south-eastward of Pulau Lima. A spit, on the outer end of which is a rock, 2 feet ( $0^m6$ ) high, extends about 4 cables south-westward from Pulau Mungging, and a 3-fathom ( $5^m5$ ) patch lies half a mile south-eastward of the rock. 35

A light is exhibited, at an elevation of 65 feet ( $19^m8$ ), from a red iron framework structure, on Pulau Mungging. The light structure is difficult to distinguish, and, on most northerly bearings, is obscured by trees.

A rock, with a depth of 13 feet ( $4^m0$ ), lies  $1\frac{1}{2}$  miles south-westward of Pulau Mungging, and is the south-westernmost danger; a 28-foot ( $8^m5$ ) patch lies half a mile east-south-eastward of this shoal. 40

Fallden Hall shoal, with a depth of 15 feet ( $4^m6$ ), lies on the north-western part of a bank, with depths of less than 10 fathoms ( $18^m3$ ), extending  $1\frac{1}{2}$  miles in a north-north-easterly and south-south-westerly direction, 11 cables south-eastward of Pulau Mungging. 45

Stork reef, which dries 3 feet ( $0^m9$ ), lies about one mile east-south-eastward of Pulau Mungging. Peak rock, 37 feet ( $11^m3$ ) high, a barren rock of reddish colour and easily identified, lies 4 cables north-eastward of the same island, and a 9-foot ( $2^m7$ ) patch lies  $1\frac{1}{2}$  cables eastward of Peak rock. Congalton Skar, a rocky patch with a depth of 5 feet ( $1^m5$ ), and steep-to, lies about three-quarters of a mile eastward of Peak rock. 50

Whale rock (*Lat.*  $1^\circ 22' N.$ , *Long.*  $104^\circ 19' E.$ ), about 6 cables north-

# MALACCA STRAIT PILOT

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OF SUMATRA

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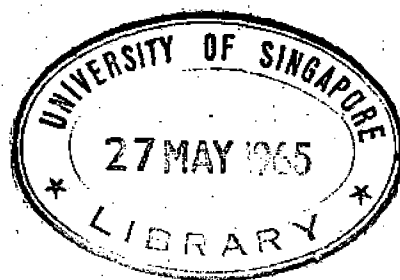
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*Chart 2403.*

A 20-foot (6<sup>m</sup>1) patch lies about 2 miles west-north-westward of the same islet; a shoal, consisting of sand and stones, with a depth of 8 feet (2<sup>m</sup>4) over it, lies about 1½ miles northward of the islet and a reef lies about 4 cables north-north-eastward.

Tandjung Berakit, the north-eastern extremity of Pulau Bintan, is a prominent headland on which there are some hills, the highest, with an elevation of 127 feet (38<sup>m</sup>7), lying nearly 2 miles southward of the point; there are some trees on the point.

10 The point is fringed by a reef which extends about three-quarters of a mile northward and half a mile westward; on the reef are Pulau Wangkang (Berakit), about 40 feet (12<sup>m</sup>2) high to the tops of the trees, and Black rock, above water.

Light.—A light (*Lat.* 1° 13' N., *Long.* 104° 35' E.) is exhibited, at 15 an elevation of 219 feet (66<sup>m</sup>7), from a white iron framework structure, 98 feet (29<sup>m</sup>9) in height, situated on the north-eastern side of Tandjung Berakit.

Off-lying dangers.—Postiljon rif, with a least depth of 12 feet (3<sup>m</sup>7) over it, lies near the western end of a bank, which, with depths of 20 less than 36 feet (11<sup>m</sup>0) over it, lies about 1½ miles north-north-westward of the northern extremity of Tandjung Berakit.

Berakit klip, with a depth of 3 feet over it, lies about 3 miles north-north-eastward of Tandjung Berakit light-structure. A coral patch, with a depth of 19 feet (5<sup>m</sup>8) over it, lies about 2 cables north-westward 25 of the rock; the depths in the vicinity are irregular.

Horsburgh lighthouse (page 242) in line with Bukit Batu (page 238), bearing 285°, leads northward of Berakit klip.

Coast.—Pulau Koka (Koko) lies on the coastal reef on the eastern side of Tandjung Berakit. Tandjung Lokan, which is fringed by a reef, 30 lies about one mile southward of Pulau Koka. Thence to a point 3½ miles southward, the coastal reef extends about 3½ cables offshore in places, but there are no outlying reefs.

For the coast southward, see Eastern Archipelago Pilot, Vol. IV.

*Charts 3839, 2403.*

35 Middle channel.—Lights.—Dangers and banks.—Middle channel, between Pedra Branca, and Remunia shoals, is 4 miles wide, and is the passage generally used by vessels passing through Singapore strait.

Pedra Branca, a rock 24 feet (7<sup>m</sup>3) high, lies on the western edge of a 40 bank, with depths of less than 60 feet (18<sup>m</sup>3) over it, lying in the middle of the eastern entrance to Singapore strait, about 7½ miles east-south-eastward of Tanjong Datok (page 238).

Horsburgh light is exhibited, at an elevation of 101 feet (30<sup>m</sup>8), from a circular tower, painted black and white in horizontal bands, 45 112 feet (34<sup>m</sup>1) high, situated on Pedra Branca. See view [41].

A rock, which dries 2 feet (0<sup>m</sup>6), lies about 3 cables eastward of the lighthouse, and a steep-to 27-foot (8<sup>m</sup>2) patch, lies about 4 cables northward of the lighthouse.

Middle rocks, from 2 to 4 feet (0<sup>m</sup>6 to 1<sup>m</sup>2) high, and of a whitish 50 colour, lie about half a mile southward of the lighthouse, and on the south-western edge of the bank on which Pedra Branca lies.

*Chart 3839.*

Lima islands together with many dangers around them, extend about 3½ miles north-north-eastward from a position about 1½ miles

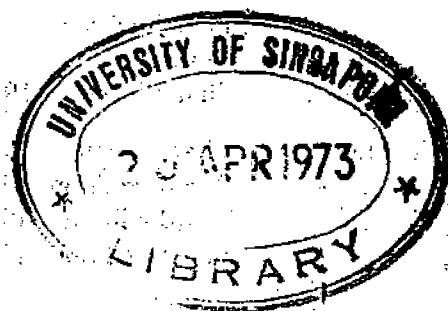
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**MALACCA STRAIT AND  
WEST COAST OF SUMATRA  
PILOT**

**COMPRISING**

**MALACCA STRAIT AND ITS NORTHERN  
APPROACHES, SINGAPORE STRAIT,  
AND THE  
WEST COAST OF SUMATRA**

**FIFTH EDITION 1971**



**Published by the Hydrographer of the Navy**

*Chart 2403.*

**Submarine Exercise Area.**—An area in which submarines exercise is indicated on the chart with its centre about 10 miles south-westward of Horsburgh lighthouse. Vessels passing through these waters must keep a good look-out. 5

**Coast.**—Pulau Koko lies on the coastal reef on the eastern side of Tandjung Berakit. Tandjung Lokan, which is fringed by a reef, lies about one mile southward of Pulau Koka. Thence to a point  $3\frac{3}{4}$  miles southward, the coastal reef extends about  $3\frac{1}{2}$  cables offshore in places, but there are no outlying reefs. 10

For the coast southward, *see* Eastern Archipelago Pilot, Vol IV.

*Charts 2403, 3839.*

**Middle Channel.**—**Lights.**—**Dangers and banks.**—Middle channel, between Pedra Branca, and Ramunia shoals, is 3 miles wide, and is the passage generally used by vessels passing through Singapore strait. 15

A submarine cable runs through Middle channel, as indicated on the chart.

Pedra Branca, a rock 24 feet (7m3) high, lies on the western edge of a bank, with depths of less than 60 feet (18m3) over it, lying in the middle of the eastern entrance to Singapore strait, about  $7\frac{3}{4}$  miles east-south-eastward of Tanjong Datok (page 198). 20

Horsburgh light is exhibited, at an elevation of 102 feet (31m1), from a white round tower with black bands and fitted with a radar reflector, 112 feet (34m1) in height, situated on Pedra Branca; *see* view [35]. A radiobeacon transmits from the lighthouse. 25

A rock, which dries 2 feet (0m6), lies about 3 cables eastward of the lighthouse, and a steep-to 27-foot (8m2) patch lies about 4 cables northward of the lighthouse.

Middle rocks, from 2 to 4 feet (0m6 to 1m2) high, and of a whitish colour, lie about half a mile southward of the lighthouse, and on the south-western edge of the bank on which Pedra Branca lies. 30

**Lima islands.**—**Dangers.**—**Buoy.**—Lima islands, together with many dangers around them, extend about  $3\frac{1}{4}$  miles north-north-eastward from a position about  $1\frac{3}{4}$  miles southward of Tanjong Datok. Vessels should avoid this locality. 35

Tanjong Ayam, in line with Tanjong Stapa, bearing  $274^\circ$ , leads southward of these dangers.

Pulau Lima, 110 feet (33m5) high, is the westernmost and largest island of the group; it lies about 6 cables south-eastward of Tanjong Datok and is wooded. Pulau Besar, lying about half a cable north-eastward of Pulau Lima, is also wooded. 40

Pulau Mungging is wooded and lies about 3 cables south-eastward of Pulau Lima.

A light is exhibited, at an elevation of 65 feet (19m8), from a white metal framework tower on Pulau Mungging. The light-structure is not always easy to distinguish amongst the trees, although it is usually clear to the south and east. 45

A spit, on the outer end of which is a rock 2 feet (0m6) high, extends about 4 cables south-westward from Pulau Mungging, and a rock with a depth of 9 feet (2m7) over it, lies about half a mile south-eastward, and another rock with the same depth over it lies one cable south-westward, of the rock on the spit. 50

The bottom in the vicinity of Lima islands is very irregular and the dangers are numerous. A rock, with a depth of 12 feet (3m7) over it, lies about  $1\frac{1}{2}$  miles south-westward of Pulau Mungging and is the south- 55

## **Annex 80**

**Section 269 of the Merchant Shipping Ordinance  
(Chapter 150 of the 1936 Revised Edition  
of the Laws of the Straits Settlements),  
with subsequent revisions of the section:  
i.e., section 233 of the 1970 Revised Edition and  
section 215 of the 1985 Revised Edition**

(i) Section 269 of the Merchant Shipping Ordinance (Chapter 150 of the 1936 Revised Edition of the Laws of the Straits Settlements)

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MERCHANT SHIPPING.

written notice to the owner or master stating in what respect the said rules have not been complied with, and what, in his opinion, is required to rectify the matter.

(3) Every notice so given shall be communicated by the Surveyor to the Port Officer of any port at which the ship seeks to obtain a clearance, and a clearance shall not be granted to the ship and the ship shall be detained until a certificate under the hand of a Surveyor of Ships is produced to the effect that the matter has been rectified.

(4) Such fees as the Governor in Council determines shall be paid in respect of inspections of life-saving appliances, not exceeding those specified in Schedule G. *substituted by O. 6.54.*

[Substituted by Ordinance 20 of 1935, S. 15.]

*Offences in Connection with Lighthouses, etc.*

268. Any person who wilfully or negligently—

- (a) injures any lighthouse or the lights exhibited therein, or any buoy or beacon; or
- (b) removes, alters, or destroys any lightship, buoy, or beacon; or
- (c) rides by, makes fast to, or runs foul of any lightship or buoy;

Injury to lighthouses, etc.

shall, in addition to the expenses of making good any damage so occasioned, be liable for each offence to a fine not exceeding five hundred dollars.

269. Any person employed in a lighthouse, who wilfully or negligently omits to do any act proper and requisite to be done by him with respect to the lights or signals exhibited in a lighthouse, shall, if such omission is of a nature likely to cause danger to navigation, be liable upon conviction before a District Court to a fine not exceeding five hundred dollars or to imprisonment of either description for a term not exceeding two years.

Misconduct by person employed in lighthouse.

[Added by Ordinance 10 of 1928, S. 7.]

270.—(1) Whenever any fire or light is burnt or exhibited at such place or in such manner as to be liable to be mistaken for a light proceeding from a lighthouse, the nearest Port Officer may serve a notice upon the owner of the place where the fire or light is burnt or exhibited, or on the person having the charge of the fire

Prevention of false lights.

(ii) Section 233 of the 1970 Revised Edition of the Merchant Shipping Act

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**231.**—(1) If the managing owner or the agent of any ship registered in Singapore or of any passenger steamer has reason, owing to the non-appearance of the ship or to any other circumstances, to apprehend that the ship has been wholly lost, he shall, as soon as conveniently may be, send to the Director notice in writing of the loss and of the probable occasion thereof, stating the name of the ship, her official number, if any, and the port to which she belongs.

Notice of loss of ship registered in Singapore, or passenger steamer to be given to the Director.  
Am. 28 of 1963.

(2) Any managing owner or agent of a ship who fails without reasonable cause to comply with this section within a reasonable time shall be liable for each offence to a fine not exceeding one thousand dollars. [267]

Penalty.

*Offences in connection with Lighthouses, etc.*

**232.** Any person who wilfully or negligently —

- (a) injures any lighthouse or the lights exhibited therein, or any buoy or beacon; or
- (b) removes, alters or destroys any lightship, buoy or beacon; or
- (c) rides by, makes fast to, or runs foul of, any lightship or buoy,

Injury to lighthouses, etc.

shall, in addition to the expenses of making good any damage so occasioned, be liable for each offence to a fine not exceeding one thousand dollars. [272\*]

**233.** Any person employed in a lighthouse, who wilfully or negligently omits to do any act proper and requisite to be done by him with respect to the lights or signals exhibited in a lighthouse, shall, if such omission is of a nature likely to cause danger to navigation, be liable upon conviction before a District Court to a fine not exceeding one thousand dollars or to imprisonment for a term not exceeding two years.

Misconduct by person employed in lighthouse.

[273]

**234.**—(1) Whenever any fire or light is burnt or exhibited at such place or in such manner as to be liable to be mistaken for a light proceeding from a lighthouse or in such a manner as to affect the visibility of the light proceeding from a lighthouse, the Director may serve a notice upon the owner of the place where the fire or light is burnt or exhibited, or on the person having the charge of the fire or light, directing

Prevention of false lights.  
Am. 18 of 1958,  
28 of 1963.

\* Sections 268 to 271 in the 1955 Edition were repealed by Act 44 of 1968.

(iii) Section 215 of the 1985 Revised Edition of the Merchant Shipping Act

1985 Ed.

*Merchant Shipping*

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213.—(1) If the managing owner or the agent of any ship registered in Singapore or of any passenger steamer has reason, owing to the non-appearance of the ship or to any other circumstances, to apprehend that the ship has been wholly lost, he shall, as soon as conveniently may be, send to the Director notice in writing of the loss and of the probable occasion thereof, stating the name of the ship, her official number, if any, and the port to which she belongs.

Notice of loss of ship registered in Singapore, or passenger steamer to be given to Director.

(2) Any managing owner or agent of a ship who fails without reasonable cause to comply with this section within a reasonable time shall be guilty of an offence and shall be liable on conviction for each offence to a fine not exceeding \$1,000.

Penalty.

[231

*Offences in connection with lighthouses, etc.*

214. Any person who wilfully or negligently —

- (a) injures any lighthouse or the lights exhibited therein, or any buoy or beacon;
- (b) removes, alters or destroys any lightship, buoy or beacon; or
- (c) rides by, makes fast to, or runs foul of, any lightship or buoy,

Injury to lighthouses, etc.

shall, in addition to the expenses of making good any damage so occasioned, be guilty of an offence and shall be liable on conviction for each offence to a fine not exceeding \$1,000.

[232

215. Any person employed in a lighthouse, who wilfully or negligently omits to do any act proper and requisite to be done by him with respect to the lights or signals exhibited in a lighthouse, shall, if such omission is of a nature likely to cause danger to navigation, be guilty of an offence and shall be liable on conviction before a District Court to a fine not exceeding \$1,000 or to imprisonment for a term not exceeding 2 years.

Misconduct by person employed in lighthouse.

[233

216.—(1) Whenever any fire or light is burnt or exhibited at such place or in such manner as to be liable to be mistaken for a light proceeding from a lighthouse or in such a manner as to affect the visibility of the light proceeding from a lighthouse, the Director may serve a notice upon the owner of the place where the fire or light is burnt or

Prevention of false lights.

### **Annex 81**

Mills J.V., Malaya in the Wu-pei-chih charts, 15 (iii) *Journal of the Malayan Branch of the Royal Asiatic Society* 1 (1937), pp. 1-10, 21-22



Vol XV.

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Journal  
of the  
**Malayan Branch**  
of the  
**Royal Asiatic Society**

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December, 1937.

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1937

## MALAYA IN THE WU-PEI-CHIH CHARTS

By J. V. MILLS, M.C.S.

### ACKNOWLEDGMENTS.

[Even so humble a paper as this has required the assistance of helpers too numerous to mention.

Among them the present writer desires to tender his grateful thanks to Dr. L. Giles of the British Museum, to Dr. C. O. Blagden and Dr. E. D. Edwards of the School of Oriental Studies, to the Committee of the China Branch of the Royal Asiatic Society by whom the Charts were first published, and particularly to Mr. C. C. Best of the Malayan Survey Department whose technical knowledge and intimate experience of Malayan waters render his comments of such interest and value that the writer has reproduced them almost verbatim.]

### I. INTRODUCTION.

The Charts which form the subject-matter of this paper are to be found, according to a statement made by Phillips in 1885, in the last chapter of a modern Chinese work called *Wu pei pi shu* or "Records of Military Affairs", mentioned by Wylie in his "*Notes on Chinese Literature*" in the following terms, "The *Wu-pei-pi-shu* (武備秘書) by She Yung-t'oo is a type of a common order of modern books, professing to give complete and satisfactory details on the art of war. The first volume treats of firearms and pyrotechnic stratagems, and the remainder is occupied with the devices to be employed under every possible geographical and topographical condition. It is profusely illustrated with maps and plates of the most miserable description, exhibiting a succession of quaintly antique machines and extraordinary manoeuvres which it is difficult to conceive to have been brought into effective service. The text is chiefly quotations from old authors".

The Charts are reproduced by Phillips with an article entitled "*The Seaports of India and Ceylon*", published in the *Journal of the China Branch of the Royal Asiatic Society* (Vol. XX. (1885). p. 209, and Vol. XXI. (1886). p. 30). Apart from incidental references to the Charts in Gerini's *Researches into Ptolemy's Geography* (1914), the only attempt to identify the Malayan place-names in the Charts is made by Blagden in his paper entitled *Notes on Early Malay History* (J.R.A.S.S.B. No. 53. (1909). p. 153): Blagden identifies with reasonable certainty 16 of the places appearing in the Peninsular region from "*Sun-ku-na*" (Singora) on the east coast to "*Ku li yu pu tung*" (Pulau Butang) on the west.

The aim of the present paper is to identify and explain the remaining 35 names and legends.

In recent years the Charts have been fortunate enough to attract the attention of those distinguished savants Duyvendak and Pelliot (now co-directors of *T'oung Pao*): see Duyvendak, *Ma Huan re-examined*. (1933) and Pelliot " *Les grands voyages maritimes Chinois au début du XV<sup>e</sup> siècle* " (*T'oung Pao*, Vol. XXX. (1933). p. 237): from these works the present writer borrows unashamedly albeit very respectfully.

The British Museum possesses a copy of the *Wu-pei-pi-shu* (Oriental Department, 15259. c. 14), but it is defective and does not contain the chart.

The Sinological Institute at Leyden also possesses a copy of the *Wu-pei-pi-shu*: it is the same edition as that in the British Museum, and it contains a chart resembling, but not identical with, that of Phillips: it is not so well cut, and though it gives most of the sailing directions appearing on Phillips' chart, they are printed in a different way: so obviously there were two different editions of this chart.

The British Museum possesses another Chinese book with the title *Hai-yün-yao-lüeh*, 海運要畧, "An Epitome of Sea-transport" (Oriental Department, 15,259. c. 22) which is the same work as the *Wu-pei-pi-shu*, and differs only in respect of the title on the title page: it also contains the chart, identical with that at Leyden.

The marginal note reads " *Hsin-lüeh, Ti-li-chüan-ssü, T'ung-wai-kuo-t'u* ", 心畧地利卷四通外國圖, i.e. "Plans, chapter 4 of the (*Wu-pei*) *ti-li* (advantages of the Geographical Location); maps for the communication with foreign countries".

On Phillips' chart, however, the marginal note reads " *Wu-pei-chih, ti êhr-pai-ssü-shih-chüan, hang-hai-chien-hsüan* ", 武備志第二百四十卷航海檢選, i.e. "Chapter 240 of the *Wu-pei-chih*, (Notes on Military Preparation), Selection from Sea-voyages".

The "*Wu-pei-ti-li*" being merely part of the "*Wu-pei-pi-shu*", and the marginal note on Phillips' chart showing clearly that it was taken from the "*Wu-pei-chih*", Duyvendak dismisses the "*Wu-pei-pi-shu*" as being merely a compilation.

He then engages (p. 17) upon a brilliant piece of historical research regarding the origin and authorship of the "*Wu-pei-chih*" and the antecedents of the chart.

The British Museum has four imperfect copies of the *Wu-pei-chih*: none of them contains the chart.

The Library of Congress at Washington has an edition of the *Wu-pei-chih*: it is in 64 volumes: the last volume contains the charts as given by Phillips, says Duyvendak.

The preface is dated 1621: it was offered to the throne in 1628, so that it was not printed until after that date.

The author was one "Mao Yüan-yi" of the Ming dynasty: he fought against the Manchus and in 1629 helped to recover four cities from them, but later his soldiers revolted and he was banished to Chang-p'u in Fukien: he died of drunkenness: the year is not recorded. This "Mao Yüan-yi" was the grandson of one "Mao K'un" who lived from 1511-1601: and "Mao K'un" was the collaborator of one "Hu Tsung-hsien".

"Hu Tsung-hsien's" life-work was the defence of the Chinese coast against the Japanese pirates: he held various high offices, was governor of Fukien province, and rose to be a President of the Ministry of War: he was the author of several books and inspired the publication of a large work on coast-defence, illustrated with numerous maps, called "*Ch'ou-hai-t'u-pien*" (籌海圖編).

The preface of that work, dated 1562, was written by "Mao K'un."

Another collaborator in its compilation was a certain "Chêng Jo-tsêng", who wrote many other geographical works with maps.

Duyvendak mentions those details in order to show that in the circle to which "Mao K'un" belonged, the most vivid interest was taken in matters of geography of the coast: and he suggests that as "Mao K'un" lived so long, he may easily have transferred some of that interest to his grandson "Mao Yüan-yi".

"We may even regard it as probable" he adds "that the map, which Mao Yüan-yi published in his work, formed part of that geographical material, that was collected by Hu Tsung-hsien's circle and may have been deposited in his archives, when he was governor of Fukien".

So Duyvendak ascribes to "Mao K'un" the credit of being the person who really appreciated the value of these charts, and he thinks that it was "Mao K'un" who wrote the introduction and the explanatory notes to the charts. Thus Duyvendak traces the charts back to the second or third quarter of the sixteenth century, only a little more than a hundred years after the time of "Chêng Ho", the celebrated Chinese envoy who returned from his last official voyage in 1433.

The Chart "is supposed to give Chêng Ho's travelling route" says Duyvendak (*op. cit.* p. 17): Pelliot thinks "elle a 1937] *Royal Asiatic Society.*

été établie au temps " of Chêng Ho's voyages and Fujita Toyohachi does not hesitate to call it " Chart of the maritime voyages of Tcheng Houo ". (*T'oung Pao*. Vol. XXX. (1933). p. 268).

The introduction, after a brief reference to " Chêng Ho " as having been employed by the Emperor for these foreign explorations, concludes with the words " His maps record carefully and correctly the distances of the road and of the various countries and I have inserted them for the information of posterity and as a memento of military achievements ".

Though preceded in point of time by " Ma Pin ", " Wu Pin ", and " Ch'ang K'o-ching " who were sent on official missions by sea in or about 1403, Chêng Ho was the most famous of the eunuch envoys sent abroad in the beginning of the fifteenth century (*T'oung Pao*. Vol XVI. (1915). p. 84). Incidentally, it may be noted that he was a Muhammadan, and the son of a " Haji ". (*T'oung Pao*. Vol. XXXII. (1936). p. 212).

He was sent on his first voyage by the Emperor in July, 1405, and reached the capital on his return from his seventh and last voyage in July, 1433. (*T'oung Pao*. Vol. XXX. pp. 275, 311).

On his staff were at least three persons who wrote books, namely " Kong Tchen " whose work remains so far undiscovered, and " Ma Huan " and " Fei Hsin " whose books have come down to us.

Of Chinese works written at about this epoch and containing references to places in the Malay Peninsula, the following may be noted:—

" Chao Ju-kua " : " *Chu fan chih* ",  
" Records of Foreign Nations ",  
1225.

" Wang Ta-yüan " : " *Tao i chih lio* ",  
" Description of the Barbarians of the Isles ",  
1349.

" Fei Hsin " : " *Hsing ch'a shêng lan* ",  
" Description of the starry raft ",  
1436.

" Ma Huan " : " *Ying yai shêng lan* ",  
" Description of the coasts of the Ocean ",  
1451.

" Huang Shêng ts'êng " : " *Hsi yang chao kung tien lu* ",  
" Record of the Tributary Nations of the West ",  
1520.

" Chau Ju-kua's " book, with an English translation by Hirth and Rockhill, was published in 1912.

Translation from the books of " Wang Ta-yüan ", " Fei Hsin ", " Ma Huan " and " Huang Shêng ts'eng " will be found in

*Journal Malayan Branch* [Vol. XV, Part III,

Groeneveldt's perennially valuable paper "Notes on the Malay Archipelago and Malacca" (*Miscellaneous Papers relating to Indo-China*. (1887). p. 126), and in Rockhill's "Notes on the relations and trade of China with the Eastern Archipelago and coasts of the Indian Ocean during the fourteenth century" (*T'oung Pao*. Vol XV. (1914). p. 419: and Vol. XVI. (1915). pp. 61, 236, 374, 435, 604).

One now considers the date of the Charts.

Phillips expresses the opinion that these Charts are older than the commencement of the fifteenth century: Gerini thinks that they were drafted about 1399. Certainly some of the data incorporated in them may be referred to the fourteenth century, since the "*Nagarakretagama*" (1365) mentions, for instance, "Sai" and "Tumasik" (Ferrand. *Relations de Voyages*. (1914). p. 663).

But Ma Huan (1451) says of Malacca "Formerly it was not called a kingdom, but as there were five islands on the coast, it was called the five islands... In the year 1409 the imperial envoy, Chêng Ho... raised the place to a city, after which the land was called the kingdom of Malacca". (Groeneveldt. *loc. cit.* p. 243).

It seems a fair inference from this statement that the Chinese did not call the town Malacca until 1409; and if that is correct, these Charts cannot be dated before that year.

Further it seems natural to infer from the expressions "His maps" and "as a memento of military achievements" occurring in the introduction, that Chêng Ho was responsible for the maps. On the whole one thinks that the more conservative-minded will deem it unsafe to conclude that the Charts can be dated prior to Chêng Ho's final return in 1433.

It may well be that the data were collected by various officers on different voyages during a number of years. The fast passage from Pedra Branca to Pulau Aur (75 miles in 5 watches or about  $6\frac{1}{4}$  miles an hour, as compared with the average of 2.93 miles an hour for the voyage from "Samudra" to Pulau Branca) suggests that the voyage was made with the "Angin Tenggara", a fresh South east wind occasionally reaching almost moderate gale force; this wind may be encountered at any time between April and October.

The fact that these maps are of such a different character from the ordinary Chinese maps indicates, Duyvendak thinks (p. 22), that they are not purely Chinese work but are based on the nautical charts of the Arabs; and Pelliot is convinced that they had an Arab nautical chart as a prototype (*T'oung Pao*. Vol. XXX. (1933). p. 268).

Phillips' paper is accompanied by two Charts: speaking generally, the one gives the sea-routes from Samudra (near 1937] *Royal Asiatic Society*.

Pasai on the north coast of Sumatra\*) to Africa, the other the sea-routes from Samudra to China : the present paper is concerned with a portion of the second Chart only. The Chart takes the form of a long horizontal strip on which divergent sea-routes are shown as more or less parallel, and the coast-line, irrespective of its true direction, is represented as one irregular line running from left to right : Gerini describes the Chart as giving directions for a coasting voyage ; this is not wholly accurate since parts of the voyage, for instance from Sumatra to Ceylon, or from Pulau Aur to Pulau Condor, are not proximate to any coast.

Tracings from three portions of Phillips' Chart accompany this paper : for purposes of comparison, corresponding portions of a modern map are reproduced side by side with the Chinese Chart.

To glance at the Chart is to realize that it scarcely accords with modern ideas of cartographical exactitude ; though perhaps it ill becomes us to cast stones at the fifteenth century Chinese navigator so long as we ourselves adhere to Mercator's projection which in low and high latitudes gives grotesquely inaccurate results.†

There can be little doubt that the Chinese mappist could, had he wished, have drawn a much more accurate representation of the trend of the coast-line and the relative position of the islands ; the fact that he does not do so suggests that he purposely adopted the method of the Chart in order to compress a number

\*Pelliot has recently repudiated the old identification of " *Su mên ta la* " with Acheh, and accepted the identification with Samudra on the Pasai River ; but he gives no reasons (*T'oung Pao*. Vol XXXII. (1936), p. 214). One feels fairly confident in saying that the Chart fixes the position of " *Su mên ta la* " within about 14 miles. The Chart represents that from " *Su mên ta la* ", it took the vessel 5 watches to round Diamond Point on courses of 30°, 120°, and 105°, 120°.

These waters would be sheltered from all southerly winds and one finds that in the sheltered waters of the Straits the maximum distance travelled in 5 watches was about 54 miles (Malacca to Gunong Banang) and the minimum about 22 miles (The Kerimun Islands to Coney Islet), with a middle distance of about 38 miles.

The maximum distance would fix " *Su mên ta la* " at Agam Agam about 20 miles west of the Pasai River, and the minimum distance at Pidada about 7 miles east of the Pasai River : a spot nearly equidistant from those two places (i.e. near the light in 5° 13' N, 97° 10' E, on Agu point, north of Semawi town) is less than 14 miles from either.

The most probable location indicated by the Chart is provided by the middle distance of about 38 miles : this would fix " *Su mên ta la* " near Meraksa about 5 miles west of the Pasai River

The distance from the Pasai River on the prescribed courses would be about 32 miles.

On the other hand the distance from the mouth of the " Achin River " to the east of Diamond Point is some 159 miles.

† " The " Mercator Projection " now " finds a rival in the " Gnomonic Projection " on certain charts which are specially prepared for use of the fast steamship making its way with little respect for the wind but much respect for the nearest " Great Circle " route between port and port." Curnow. *The World Mapped*. (1930), p. 65.

of diverging routes within the limits of a single sheet of paper, to make merely a diagrammatic representation,—the kind of route-diagram, simple but inaccurate, which one sees on the London Underground Railway.

Maybe, too, that the Chinese navigator was familiar with certain conventions,—a sort of 'cartographical shorthand'—which enabled him to understand and interpret the Chart. However that may be, the method of the Chart makes it difficult for strangers and foreigners to unravel it: no accurate inferences as to distance can be drawn from the relative positions of places marked on the Chart; for instance, Pulau Pisang is shown at the mouth of what appears to be the Batu Pahat River, whereas in reality Pulau Pisang is 35 miles further down the coast: nor can any accurate inferences as to distance be drawn from the number of "kêngs" (watches) occupied in the journey between two places; for instance, the Chart states that 5 "kêngs" will be occupied in the journey from the Kerimun Islands to Coney Islet, and 5 "kêngs" in the journey from Pedra Branca to Pulau Aur, whereas the actual distances between those places are 22 miles and 75 miles respectively.

The "kêng" or watch of 2.4 hours in Chinese navigation is usually reckoned as 60 *li*, 20 English miles: Phillips takes Chêng Ho's watch as equal to 16 English miles, but he adds, rather pathetically, "its real value is somewhat difficult to determine". One realizes that the distance travelled in one watch, depending as it does on different conditions of wind and sea, may vary from a few yards to some 10, or in exceptional circumstances, perhaps 20 miles; all that one wishes to emphasize is that, in interpreting this Chart, no accurate conclusion as to distance can be derived from the period of time taken to travel between two places; this emphasis is the more necessary when, in an age of power-driven vessels whose speed is under normal conditions nearly constant, time and distance are almost correlative.

A further difficulty lies in the fact that we do not know in which Chinese "language" or "dialect" a particular name is intended to be represented; Edwards and Blagden were confronted with this difficulty when explaining the "Malacca Vocabulary" (*Bulletin of the School of Oriental Studies*. Vol. VI, Part 3. (1931), p. 715); a "classic" example is provided by the transcription of the Malay name Muhammad; the Chinese designation 麻霞勿 is unintelligible in Pekingese, "Ma-hsia-wu", yet readily understandable in Cantonese, "Ma-ha-mêt".

In this paper, all Chinese characters (except in quotations) are, unless otherwise stated, given the phonetic equivalent which they bear in the Pekingese dialect: words in the Amoy dialect are, unless otherwise stated, spelled as in Douglas' "*Chinese-English Dictionary of the Vernacular or Spoken Language of Amoy*":

1937] *Royal Asiatic Society*.



words in other dialects are spelled as in Giles' "*A Chinese-English Dictionary in the Pekingese dialect*".

In cases where it appears that the Chinese characters may represent a name transcribed in some dialect other than Pekingese, the phonetic equivalent in that dialect as well as in Pekingese is given, so that the reader may decide for himself.

An apparent difficulty arises in connection with the compass directions: in the Chinese compass the circle of 360° is divided into 24 angles of 15° each: when a single direction is given in the Chart, no trouble arises; for instance when the Chart states that the course from Pulau Pisang is in the direction 巽 [*sun*], one can see from the compass that 135° is intended: but sometimes two directions are given; for instance, the Chart says that from Malacca the direction is 辰巽 [*Ch'en sun*, 120°, 135°]; in this case the layman may feel uncertain whether the pilot means

- (a) the direction is first 120° and then 135°, or
- (b) the direction is mid-way between 120° and 135° *i.e.* 127½°, or
- (c) the direction is, roughly, somewhere between 120° and 135°.

To the expert, however, there is no difficulty: Mr. Best explains:—"The double bearings can, I consider, be simply explained. The mariner set out on the first course and then found, possibly on raising the island or point for which he was heading, that he was off his course; he then corrected accordingly. It is a perfectly normal and correct procedure even in modern navigation with accurately plotted courses and gyroscopic compasses.

In certain cases, as on the stretch from "Samudra" to Diamond Point, the changes of course are obviously determined by the trend of the coast he was following. In others, say from the Kerimun Islands to Coney Islet, he was probably slightly wrong on his first course and was set further off by the tide."

One may add that Sinological experts are hesitant to express an opinion on technical questions of five centuries ago.

It is only fair to emphasize that a very high standard of accuracy cannot reasonably be expected from the Chinese pilot of 1433: those were early days in the manufacture of the compass; his instrument may well have been liable to error; and he may not have understood the disturbing factors constituted by iron in his ship and by local terrestrial magnetism; even in 1613 Eredia speaks of this latter cause as though it were quite a recent discovery (*J.R.A.S.M.B.* Vol. VIII, Part I. (1930), p. 84); furthermore, it is possible that the magnetic variation which has occurred since 1433, may have made the Chinese pilot's directions appear less accurate than they actually were at that date, but the present writer is not competent to discuss that point.

On this subject, Mr. Best writes :—“ I have taken the bearings given in the Chinese Chart and have plotted and ‘ swung ’ them to fit over a modern map. (In the case of double bearings, half the distance is run on the first bearing and half on the second). The test is made from a point about eight miles off the coast at Bukit Jugra to a comparatively accurate fixing off Raffles Light, and it would indicate that the Chinese navigator was using a compass with a variation of only about  $5^{\circ}$  (W) from true north. The “ offings ” or distances out from Cape Rachado, Water Islands and Pulau Pisang fit in remarkably well and the figure of  $5^{\circ}$  is in all probability correct within  $2^{\circ}$ — $3^{\circ}$  either way.

At first sight this seems almost too good to be true, but the variation between magnetic and true north has presumably remained almost stationary throughout the last few centuries, and a wooden-ship, unless she carried iron cannon somewhere near the compass, would produce very little deviation so the result is not very surprising ”.

The Chinese designation of Malayan place-names may be divided into 5 main classes :—

- (1) purely Chinese names given by the Chinese themselves ; for instance, Pulau Tinggi is called “ *Chiang chün mao* ”, “ General’s Hat ” :
- (2) translations of Malay names ; for instance, the Sembilan Islands are called “ *Chiu chou* ”, “ Nine Islands ” :
- (3) transcriptions of Malay names, for instance, Pulau Pisang is called “ *Pi-sang* Island ” (Amoy Hokkien) :
- (4) transcriptions of Malay names modified either
  - (a) for the sake of assonance, according to Ferrand ; for instance, Pahang is called “ *p’eng heng* ”, the character “ *p’eng* ” being intentionally employed from its assonance with “ *heng* ”, or
  - (b) to give a meaning in Chinese, for instance, (Pulau) Langkawi is called “ *Leng ge kau i* ” (Amoy Hokkien), “ Dragon’s Tooth Arm Chair ” :
- (5) names which cannot be fitted into the above classes ; for instance, in the Chinese name “ *Ku li yu pu tang* ” the expression “ *Ku li yu* ” appears to represent the Cham word “ *culao* ”, “ island ” ; in the case of other appellations, again, the state of our knowledge does not enable us to derive the name of a place, although its location may be fixed with reasonable certainty ; for instance, “ *She chien shan* ” is in all probability to be identified with Gunong Banang, but one cannot say as yet whether “ Shoot-arrows Mountain ” is a purely Chinese designation, or whether “ *She-chien* Mountain ” represents some foreign name.

Photostatic copies both of Phillips' map and of the *Hai-yün-yao-lüeh* map (as well as the other Malayan maps mentioned in this paper) may be found at Raffles Library, in "A Collection of Historical Maps of Malaya" recently compiled.

The latter of the two Chinese maps is so very much less accurate than the former that it is more curious than useful: but it is not entirely without utility, for instance, in several cases it states that the ship "passes" (過, *kuo*) a certain place where Phillips' map uses the expression 取, *ch'ü*, and it thus resolves the doubt whether the latter expression means "make for" or "make" (*i.e.* reach); furthermore, in one case it gives an additional name of which there is no trace in Phillips' map, immediately south of "Long-sai-ka" (Amoy Hokkien) which the present writer identifies with *Langkasuka* (Patani), it marks "Kun-e-ti River" (Amoy Hokkien), which presumably represents some such Malay name as *kunyit*.

## II. THE CHART.

For cartographical and other reasons it has been thought convenient to treat the Chart in three sections; the first, the Butang Islands to the Kerimun Islands; the second, the Kerimun Islands to Pedra Branca; the third, Pedra Branca to Singora.

In each section, the writer has first set out the Chinese names with suggested identifications, then reproduced the sailing-directions of the Chart, and lastly added some comments and explanations.

### First Section: Butang Islands to Kerimun Islands. (See Plate I).

|       |                         |                  |
|-------|-------------------------|------------------|
| 古力由不洞 | <i>Ku li yu pu tung</i> | Butang Islands   |
| 龍牙交椅  | <i>Lung ya chiao i</i>  | Pulau Langkawi   |
| 吉達港   | <i>Chi ta chiang</i>    | Merbok River     |
| 檳榔嶼   | <i>Pin lang hsü</i>     | Penang Island    |
| 陳公嶼   | <i>Ch'ên kung hsü</i>   | Pulau Jarak      |
| 九州小   | <i>Chiu chou hsiao</i>  | Sembilan Islands |
| 吉那大山  | <i>Chi na ta shan</i>   | False Parcelar   |
| 吉令港   | <i>Chi ling chiang</i>  | Klang River      |
| 雞骨嶼   | <i>Chi ku hsü</i>       | Aroa Islands     |
| 綿花淺   | <i>Mien hua ch'ien</i>  | South Sands      |
| 綿花嶼   | <i>Mien hua hsü</i>     | Parcelar Hill    |

The "level" or "equal" islands must be the two similar-looking rocks called The Brothers, lying to the north-west of Little Kerimun.

|             |           |             |                             |
|-------------|-----------|-------------|-----------------------------|
| 吉           | 利         | 門           |                             |
| <i>Chi</i>  | <i>li</i> | <i>mên.</i> |                             |
| <i>Kiet</i> | <i>li</i> | <i>mng</i>  | (Amoy Hokkien, colloquial). |

The name and the position of this place show that it represents the Kerimun Islands.

Second Section: Kerimun Islands to Pedra Branca.  
(See Plate II).

|      |                         |                                         |
|------|-------------------------|-----------------------------------------|
| 吉利門  | <i>Chi li mên</i>       | Kerimun Islands.                        |
| 沙糖淺  | <i>Sha t'ang ch'ien</i> | Rocks to the north-west of Tree Island. |
| 長腰嶼  | <i>Ch'ang yao hsü</i>   | Coney Islet.                            |
| 涼傘嶼  | <i>Liang san hsü</i>    | Pulau Labon                             |
| 牛屎礁  | <i>Niu shih chiao</i>   | Buffalo Rock                            |
| 淡馬錫  | <i>T'an ma hsi</i>      | Singapore                               |
| 琵琶嶼  | <i>P'i p'a hsü</i>      | St. John's Island                       |
| 琵琶撓嶼 | <i>P'a nao hsü</i>      | Anak Sambo                              |
| 馬鞍山  | <i>Ma an shan</i>       | Tanjong Burong                          |
| 官嶼   | <i>Kuan hsü</i>         | Pengerang                               |
| 荅那溪嶼 | <i>Ta na ch'i hsü</i>   | Barbukit                                |
| 白礁   | <i>Pai chiao</i>        | Pedra Branca                            |

The Chinese sailing directions continue "From 吉利門" [*Chi li mên*, i.e. the Kerimun Islands] "following a course of 乙辰" [*Yi ch'en*, 105°, 120°] "and then of exactly 辰" [*Ch'en*, 120°], "the ship after five watches makes 長腰嶼" [*Ch'ang yao hsü*, "Long Waist Island" i.e. Coney islet] and passes out through 龍牙門" [*Lung ya mên*, "Dragon Tooth Strait" i.e. Singapore Strait]. "In 龍牙門" [*Lung ya mên*, "Dragon Tooth Strait" i.e. Singapore Strait] "following a course of 甲卯" [*Chia mao*, 75°, 90°] "the ship after five watches makes 白礁" [*Pai chiao*, "White Rock", i.e. Pedra Branca]. This section may conveniently be studied by reference to British Admiralty Chart No. 2403.

The Chinese Chart at first sight appears unintelligible: but a close examination will disclose with reasonable certainty the exact course laid down and also the approximate situation, if not always the actual identity, of the places which are marked.

Beyond question the identification of the two termini can be regarded as definitely established,  
*i.e.* at the Western end of the Strait

|             |           |            |
|-------------|-----------|------------|
| 吉           | 利         | 門          |
| <i>Chi</i>  | <i>li</i> | <i>mén</i> |
| <i>Kiet</i> | <i>li</i> | <i>mng</i> |

(Amoy Hokkien; colloquial)

*i.e.* the Kerimun Islands;  
and at the eastern end

|            |              |
|------------|--------------|
| 白          | 礁            |
| <i>Pai</i> | <i>chiao</i> |

"White Rock",  
*i.e.* Pedra Branca, Horsburgh Light.

Certain intermediate points may also be regarded as established beyond reasonable doubt;  
first,

|             |           |            |
|-------------|-----------|------------|
| 淡           | 馬         | 錫          |
| <i>T'an</i> | <i>ma</i> | <i>hsi</i> |
| <i>Tam</i>  | <i>ma</i> | <i>sek</i> |

(Amoy Hokkien)

*i.e.* Tamasek, the old Malay and Javanese name for Singapore;  
second,

|            |            |
|------------|------------|
| 琵琶         | 嶼          |
| <i>P'i</i> | <i>p'a</i> |
|            | <i>hsü</i> |

"Guitar Island" (or perhaps "Ray-fish Island"),  
which, being placed immediately south of Singapore, must be identified with St. John's Island, or the group of three islands, West St. John's Island, East St. John's Island, and Peak Island;  
third,

|           |           |             |
|-----------|-----------|-------------|
| 馬         | 鞍         | 山           |
| <i>Ma</i> | <i>an</i> | <i>shan</i> |

"Horse-saddle Mountain";  
this must be identified with the north-eastern point of Batam Island, called Tanjong Burong in the Admiralty Chart and Tanjong Babi in the Dutch Ministry of Marine Chart No. 40; about a mile inland there is a hill—it is easily visible from Singapore—which has two rounded summits with a depression

**Annex 82**

Extracts from the Annual Reports of the Marine Department of  
the Straits Settlements and the Colony of Singapore  
from 1937 to 1971

LIBRARY

Colonial Secretary's Office  
Singapore.

STRAITS SETTLEMENTS

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# Annual Report of the Marine Department for the year 1937

BY

CHARLES DIX,  
*Master Attendant, Straits Settlements*

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*Published by Authority*

SINGAPORE:

PRINTED AT THE GOVERNMENT PRINTING OFFICE, SINGAPORE  
BY W. T. CHERRY, GOVERNMENT PRINTER.

1938

### FORT CANNING, MOUNT FABER AND TANJONG BERLAYER SIGNAL STATIONS

45. 2,459 vessels were signalled on arrival during the year.
46. Vessels observed passing through Singapore Main Strait but not touching the port numbered 457. All these vessels were challenged for their distinguishing signals whenever visibility and distance permitted.
47. 4,288 vessels entered the port flying signals that they carried mails to Singapore. These were all reported direct to the General Post Office by the private telephone line from Mount Faber Signal Station.
48. 12 urgent and important signals were received and dealt with during the year. All these were from vessels requiring marine police or the attendance of a doctor.
49. 3,055 vessels were signalled to their berths at the Singapore Harbour Board wharves from Tanjong Berlayer Signal Station.
50. The health of the crews of the three signal stations has been very satisfactory.

### TIME BALLS AND NIGHT TIME SIGNALS, SINGAPORE

51. Time Ball failures during the year were eight, three of which were due to repairs, two to mechanical defects and three unaccounted for. The failures shown at the different stations are :—

|                    |     |     |     |     |   |
|--------------------|-----|-----|-----|-----|---|
| Mount Faber        | ... | ... | ... | ... | 1 |
| Fort Canning       | ... | ... | ... | ... | 3 |
| Fullerton Building | ... | ... | ... | ... | 4 |

Night Time Signals were permanently discontinued during the year.

### EXPLOSIVES ANCHORAGE

52. 509 vessels laden with Dangerous Cargo and 134 laden with Explosives entered and cleared the port during the year.

### GENERAL

53. The Singapore Group of Lighthouses—Pulo Pisang, Sultan Shoal, Raffles Island, Horsburgh and Fort Canning—was efficiently maintained throughout the year.

54. There were no cases of malaria among the lighthouse crews whose health was on the whole very good.

55. The m.l. "*Mary Rose*", Lighthouse Tender, was re-engined with a high-speed Thornycroft diesel engine, and as a result her speed has been slightly increased.

56. A new 65 foot steel motor launch, "*Osprey*", fitted with a 75 B.H.P. Crossley diesel engine, was built at a cost of \$35,000 by the Singapore Harbour Board to replace the 30 year old s.l. "*Vedette*".

57. The largest vessel entering the port was the British s.s. "*Empress of Britain*" of 42,348 tons gross and 22,545 tons nett.

58. The vessel with the deepest draught was the s.s. "*Empress of Britain*" drawing 31' 8" forward and 32' 7" aft.

59. 38 Notices to Mariners concerning Malaya were published by the Master Attendant, S.S. during the year.

These Notices are posted outside the Singapore Shipping Office and published in the Straits Settlements *Government Gazette*, besides being communicated to the Admiralty and other Marine Authorities.





STRAITS SETTLEMENTS

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ANNUAL REPORT  
OF THE  
MARINE DEPARTMENT

FOR THE YEAR

1938

BY

CHARLES DIX,  
*Master Attendant, Straits Settlements.*

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*Published by Authority*

SINGAPORE:

PRINTED AT THE GOVERNMENT PRINTING OFFICE, SINGAPORE,  
BY W. T. CHERRY, GOVERNMENT PRINTER.

1939

The Superintendent, Reverend A. V. WARDLE, proceeded on Home leave on 26th January, 1938, and returned on 27th August, 1938. The Reverend G. B. THOMPSON took charge during his absence.

The cinema has provided much appreciated programmes throughout the year, and the Hostel is greatly indebted to the film distributors of Singapore who are always most helpful.

The Annual Christmas dinner was held on 27th December, 1938, and was attended by 130 men who came from 9 ships and represented 7 nationalities.

#### SINGAPORE PILOT SERVICE

40. At the beginning of the year there were 9 pilots in the Singapore Pilot Association, but the number was increased to 10 on 27th June, 1938, in order to bring it to its full complement.

One new licence was issued during the year.

#### FORT CANNING, MOUNT FABER AND TANJONG BERLAYER SIGNAL STATIONS

41. 9,814 vessels were signalled on arrival during the year.

42. Vessels observed passing through Singapore Main Strait but not touching the port numbered 477. All these vessels were challenged for their distinguishing signals whenever visibility and distance permitted.

43. 4,096 vessels entered the port flying signals that they carried mails to Singapore. These were all reported direct to the General Post Office by the private telephone line from Mount Faber Signal Station.

44. 15 urgent and important signals were received and dealt with during the year. All these were from vessels requiring Marine Police or the attendance of a doctor.

45. 2,989 vessels were signalled to their berths at the Singapore Harbour Board wharves from Tanjong Berlayer Signal Station.

#### *WRECKS in Year* TIME BALLS, SINGAPORE

46. Time-ball failures during the year were 11, 3 of which were due to repairs, 5 to mechanical defects and 3 unaccounted for. The failures at the different stations were:—

|                    |     |     |     |   |
|--------------------|-----|-----|-----|---|
| Fort Canning       | ... | ... | ... | 3 |
| Fullerton Building | ... | ... | ... | 8 |

#### EXPLOSIVES ANCHORAGE

47. 516 vessels laden with dangerous cargo and 194 laden with explosives entered and cleared the port during the year.

#### GENERAL

48. The Singapore group of lighthouses comprising Pulo Pisang, Horsburgh, Sultan Shoal, Raffles Island and Fort Canning, was efficiently maintained throughout the year.

49. The m.l. "Mary Rose", lighthouse tender, carried out her duties satisfactorily, travelling monthly as far as One Fathom Bank.

50. There were some cases of malaria among the lighthouse crews during the latter part of the year, one of which proved fatal.

*Crown Counsel,  
Singapore*



**STRAITS SETTLEMENTS**

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**ANNUAL REPORT**

OF THE

**MARINE DEPARTMENT**

FOR THE YEAR

**1939**

BY

**CHARLES DIX,**  
*Master Attendant, Straits Settlements.*

---

44. 4,041 vessels entered port flying signals that they were carrying mails to Singapore. These were all reported direct to the General Post Office by the private telephone line from Mount Faber Signal Station.

45. Four urgent important signals were received and dealt with during the year. These were all from vessels requiring Marine Police.

46. 3,305 vessels were signalled to their berths at the Singapore Harbour Board wharves from Tg. Berlayer Signal Station.

47. The health of the crews of the three signal stations has been very satisfactory.

#### TIME BALLS, SINGAPORE

48. Time-ball failures during the year numbered 5. On 24th March, 1939, all stations were being refitted and time balls did not operate. During the period 18th to 22nd December, 1939, inclusive, Fullerton Building time ball was under repair and was not operating.

The failures at the various stations were :—

|                    |     |     |     |   |
|--------------------|-----|-----|-----|---|
| Mount Faber        | ... | ... | ... | 1 |
| Fort Canning       | ... | ... | ... | 2 |
| Fullerton Building | ... | ... | ... | 2 |

These failures were due to minor mechanical defects.

49. Since the outbreak of hostilities Mt. Faber Signal Station has also been used as a Port War Signal Station.

#### EXPLOSIVES ANCHORAGE

50. 542 vessels laden with dangerous cargo and 205 laden with explosives entered and cleared the port during the year.

#### GENERAL

51. The Singapore group of lighthouses comprising Horsburgh, Raffles Island, Sultan Shoal, Pulo Pisang and Fort Canning was efficiently maintained throughout the year.

52. The health of the lighthouse crews continued to be satisfactory and there was no case of malaria during the year.

53. The m.l. "*Mary Rose*", lighthouse tender, carried out her duties satisfactorily, travelling monthly as far as One Fathom Bank.

54. The Government s.l. "*Vedette*" about 33 years old was condemned and sold by public auction in March, 1939.

55. The m.l. "*Princess Mary*" was re-engined during the year with the result that her speed has been slightly increased and the running cost of fuel reduced.

56. A new 56-foot twinscrew motor launch "*Teal*" with a speed of 12 knots was built for this Department by Messrs. Thornycroft, Ltd. at a cost of \$35,800.

57. 59 Notices to Mariners were published by the Master Attendant, S.S., during the year.

These Notices are posted outside the Singapore Shipping Office and published in the Straits Settlements *Government Gazette*, besides being communicated to the Admiralty and other Marine Authorities.



COLONY OF SINGAPORE

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**ANNUAL REPORT OF THE  
MARINE DEPARTMENT FOR  
THE YEAR 1948**

BY

COMMANDER L. P. LANE, O.B.E., R.N.,  
*Master Attendant,  
Singapore.*

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PRINTED AT THE GOVERNMENT PRINTING OFFICE, SINGAPORE,  
BY V. C. G. GATRELL, GOVERNMENT PRINTER.

1949

49. Between 1st June and 31st December 1948, 273 messages were received and 370 messages sent by Mount Faber Signal Station while Tanjong Batu Berlayer received 43 messages and sent 65.

50. The staff at the two signal stations were recruited from ex S.S. R.N.V.R. signal ratings with a leading signalman in charge of each station and during the period, general health and standard of efficiency has been very satisfactory.

51. Messages were passed to and from warships of all nationalities gratis.

#### EXPLOSIVES

52. Fifty-one vessels were inspected and magazine certificates issued for approved magazines to carry explosives under Rule 71, section 2A of the Rules made under the Arms and Explosives Ordinance.

53. Eleven vessels carrying explosives were issued with a Form "C" to allow them to proceed alongside the Singapore Harbour Board's wharves.

#### COMPASS ADJUSTING

54. During the year 94 vessels had their compasses adjusted by certificated officers of the department.

#### WIRELESS D/F CALIBRATING

55. During the year 31 vessels had their D/F apparatus calibrated, making use of the Lighthouse Tender "Mary Rose" which has been specially equipped for the purpose. The average time taken in this operation for each vessel was 3½ hours and the longest was 6 hours.

#### LIGHTHOUSES

56. Regular quarterly inspections were made to the Singapore Group Lighthouses which comprises Horsburgh, Raffles, Sultan Shoal, Pulo Pisang and Fort Canning and a regular monthly relief maintained in all weathers.

57. During the year a considerable amount of repairs were effected by the P.W.D., Marine Branch, and many structural improvements made to the crews accommodation. Better furniture was provided and a wireless set for each lighthouse to relieve the monotony.

58. In April a representative from Chance Bros. made a tour of inspection and was very favourably impressed with the condition of the mechanism of the lighthouses in consideration of their age. He recommended, however, that three of them should be electrified as soon as the financial resources of the Colony permit.

59. At one period there was a prevalence of malaria at Pulo Pisang Lighthouse. This was visited by the Health Officer, Rural, who made suitable recommendations to ensure the health of the crew.

60. His Excellency the Governor paid a visit to Raffles Lighthouse and the Honourable, the Colonial Secretary, to both Raffles and Horsburgh.

61. No light failures were reported by passing vessels during the year.



COLONY OF SINGAPORE

# ANNUAL REPORT OF THE MARINE DEPARTMENT, 1950

BY

L. P. LANE,  
*Master Attendant,  
Singapore*

PRINTED AT THE GOVERNMENT PRINTING OFFICE, SINGAPORE,  
By V. C. G. GATHELL, GOVERNMENT PRINTER

1951

### *Wreck Removal*

In April the Roubin Marine Salvage Company completed the cutting down of the *Hoegh Transporter* wreck, lying in the fairway north-east of Peak Island; the wreck now constitutes foul ground with a minimum depth of 40 feet at Low Water Ordinary Springs.

In November the Royal Navy completed demolition operations on the floating crane wreck, lying approximately mid-way between the Outer Shoal and Tanjong Pagar Beacons; the wreck now constitutes foul ground with a minimum depth of 38 feet at Low Water Ordinary Springs.

### *Local Notices to Mariners*

Eighteen Local Notices to Mariners and sixty-seven Shipping Circulars were issued by the Department during the year. The former are posted outside the Shipping Office, published in the *Singapore Government Gazette*, and communicated to the Hydrographer of the Navy, other Marine authorities, and to the local Shipping community.

### *Lighthouses*

Regular inspections were made to the Singapore group of lighthouses comprising, from east to west:—Horsburgh (Pedra Blanca) distant  $33\frac{1}{2}$  miles; Fort Canning in Singapore; Raffles distant  $10\frac{1}{4}$  miles; Sultan Shoal distant  $13\frac{1}{4}$  miles, and Pulau Pisang distant  $43\frac{1}{2}$  miles. A regular monthly relief was maintained throughout the year and no cases of light failure occurred. (It may be remarked that the distances given above are different from those given in the 1949 report and which were taken from office records; it is not known from what point in Singapore those were laid off from, but the distances now given are laid off from Clifford Pier.)

The following repairs, alterations and additions, were effected at the Lighthouses during the year:—The pier foundations at Horsburgh which had been damaged by heavy seas were repaired and strengthened, and a radio telephone was installed at this light; three concrete water tanks were erected at Raffles light to replace the original steel tanks which had deteriorated through age; minor improvements to the arrangements of the crews' quarters were effected at Pulau Pisang. It is hoped to instal radio-telephony at all the seaward lighthouses during 1951.

No Light dues are payable in respect of the Colony's Lighthouses.

At the request of the Fisheries Department the lighthouse keepers of the four seaward lighthouses have, since April 1949, collected daily samples of sea water for the purpose of investigating the salinity of Malayan waters and, by correlating this with weather conditions over a period of two or three years, predicting the abundance of certain species of fish.

The health of the light keepers and crews has been generally good. Raffles Lighthouse Island continued to be a popular visiting place at weekends.

The Centenary anniversary of the laying of the foundation stone of Horsburgh Lighthouse fell on the 28th May (see Note (1) of Appendix 11).

### *Imperial Light Dues*

Imperial Light Dues in respect of the Bahamas, Basses, and Minnicoy Lights were collected by the Department from 1,115 ships during the year and amounted to a sum of \$38,770.67. This collection is carried out on behalf of the Ministry of Transport, London, to whom the dues, less a fee allowed for collection, are remitted.





COLONY OF SINGAPORE

# ANNUAL REPORT OF THE MARINE DEPARTMENT 1951

BY

L. P. LANE  
*Master Attendant  
Singapore*

PRINTED AT THE GOVERNMENT PRINTING OFFICE, SINGAPORE,  
BY F. S. HORSLIN, ACTING GOVERNMENT PRINTER.

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1952

Price: \$1

## PILOTAGE

The total number of ships handled by Pilots of the Singapore Pilot Association during the year, including all movements, amounted to 9,689 as against 8,245 the previous year. Of these, 4,282 were handled at the Wharves, 3,807 in the Roads, 1,451 at Pulau Bukom (Shell Co.'s Installation), and 149 at Pulau Sebarok (Standard Vacuum Co.'s Installation).

The number of Pilots was increased from ten to twelve during the second half of the year (see Appendix 11).

## LOCAL NOTICES TO MARINERS

Seven Local Notices to Mariners and ninety-six Shipping Circulars were issued by the Department during the year. The former are posted outside the Shipping Office, published in the Singapore Government *Gazette*, and communicated to the Hydrographer of the Navy, other Naval and Marine authorities, and to the local Shipping community. The latter are also posted outside the Shipping Office, and communicated to all local authorities and Shipping interests concerned.

## LIGHTHOUSES

Regular inspections were made to the Singapore group of lighthouses comprising, from east to west:—Horsburgh (Pedra Blanca), distant  $33\frac{1}{2}$  miles; Fort Canning, in Singapore; Raffles, distant  $10\frac{3}{4}$  miles; Sultan Shoal, distant  $13\frac{1}{4}$  miles; and Pulau Pisang, distant  $43\frac{1}{2}$  miles. A regular monthly relief was maintained throughout the year and no cases of light failure occurred. Repainting and whitewashing was carried out at Horsburgh and Fort Canning, and maintenance repairs were effected at Horsburgh, Raffles, Sultan Shoal and Pulau Pisang.

Radio-telephony was installed during the year at Raffles, Sultan Shoal and Pulau Pisang, thus completing installation at all the seaward lighthouses. They can call the Port Office at any time of the day or night throughout the twenty-four hours, and they are called up on a routine four hourly schedule between 0800 and 1600 hours inclusive.

Raffles Lighthouse Island continued to be a popular visiting place at weekends.

No Light Dues are payable in respect of the Colony's lighthouses. (see Appendix 14 (4).)

## CLIFFORD PIER

The concrete steps with mild steel railings at the end of Clifford Pier, the main passenger landing place, became unsafe and were in course of replacement by a new reinforced concrete structure at the close of the year. Dredging was carried out on the north side of the pier to enable the Shell Company's ferries to go alongside there temporarily.

## IMPERIAL LIGHT DUES

Imperial Light Dues in respect of the Bahamas, Basses, and Minnicoy Lights were collected by the Department from 1,344 ships during the year and amounted to a sum of \$50,206.87. This collection is carried out on behalf of the Ministry of Transport, London, to whom the dues, less a fee allowed for collection, are remitted.



COLONY OF SINGAPORE

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All the lights referred to above, which are A.G.A. lights (acetylene burning and automatically operated), as well as the lights in the lighthouses (incandescent kerosene burning), were regularly examined and kept in efficient working order by the staff of the Department's Marine Engineer. Two additional flashing lights were installed on Nos. 9 and 11 Beacons by the Public Works Department for the assistance of Pilots handling ships at the Pulau Bukom wharves.

Maintenance dredging was carried out by the Marine section of the Public Works Department in the Inner Roads, Singapore, Rochore and Geylang Rivers, Kallang Basin and approaches, Telok Ayer Basin, and at South Quay.

During the year a new jetty for the use of cable ships was completed at the new depôt of Cable and Wireless Ltd. situated at Bukit Chermin in Keppel Harbour.

In December H.M.S. *Dampier* carried out tidal observations in the vicinity of the Bench mark at Cavenagh Bridge. The information gained, together with results of tidal observations carried out by the Anglo-Saxon Petroleum Company at the installation at Pulau Bukom, were forwarded to the Hydrographer of the Navy who made calculations for the establishment of a Bench mark at Pulau Bukom required by the Company for the purpose of carrying out a tidal survey there in connection with the proposed construction of new oil berths.

Improvements were effected in buoying the entrance to the Geylang River and in erecting marks in Telok Ayer Basin and in the Singapore River to facilitate the observance of Port Rules therein.

For salvage operations, etc. see under Salvage and Shipbreaking.

#### LIGHTHOUSES

Regular inspections were made to the Singapore group of lighthouses comprising from east to west:—

- Horsburgh (Pedra Blanca) distant 33½ miles;
- Fort Canning in Singapore;
- Raffles distant 10½ miles;
- Sultan Shoal distant 13½ miles; and
- Pulau Pisang distant 43½ miles. (See Appendix 28 (5)).

A regular monthly relief was maintained throughout the year and no cases of light failure occurred.

General maintenance was carried out by the Marine section of the Public Works Department, and considerable work on the buildings, pier and road approach was done at Pulau Pisang. Boats' davits were fitted at this lighthouse and also at Raffles and Horsburgh.

Radio-telephony is installed at all the seaward lighthouses. They can call the Port Office at any time throughout the twenty-four hours, and they are called up on a routine four-hourly schedule between 0800 and 1600 hours inclusive. The seaward lighthouses are also supplied with radio receiving sets so that they can tune-in to the broadcasting programmes of Radio Malaya as desired.

The health of the light keepers and crews has been generally good. Raffles Lighthouse Island continued to be a popular visiting place at weekends. Professor R. D. Purchon, Raffles Professor of Zoology at the University of Malaya, also made several stays at that Lighthouse in connection with researches on Mollusca and the study of corals.

### SHIP BUILDING

Ship building is confined to comparatively small vessels and is carried out by the Singapore Harbour Board and by United Engineers Ltd. Launch and boat building is carried out by Thornycroft & Company Ltd. at Tanjong Rhu, and by United Engineers Ltd., and such craft in addition to various types of local craft are also built by a number of small firms of boat builders.

### GENERAL

#### CHANGES IN THIS REPORT

It will be noted that there are some changes in the lay-out of the 1952 Report the chief of which being the removal of detailed statistics of shipping arrivals and departures, and details of registration and licensing of vessels, from the main part of the Report to the Appendices where they are tabulated for easier reading, and also a re-drawing of all the shipping graphs together with the introduction of a new graph showing the yearly tonnage comparisons of foreign-going, Home Trade and Local Trade vessels separately.

#### COLONY ENSIGN

Authorization to fly the new Ensign of the Colony of Singapore from all Government vessels and Marine Department establishments was received on the 27th October and put into effect by the Department the following day.

It is a Blue Ensign with the Colony badge in the fly, which consists of a circle having a white background containing a red cross pall reversed bearing an Imperial Crown in the centre. The reversed pall is unique in British heraldry, and was also a feature of the former Straits Settlements Ensign except that in the latter it was white on a red diamond shaped label and bore three crowns, one for each of the Settlements (Singapore, Penang and Malacca).

#### LEGISLATION

The following amendments to Colony legislation concerning the Department's administration were effected during the year:—

##### *The Pilot Dues (Amendment) Regulations, 1952*

The Pilot Dues Regulations, 1948, were amended by substituting the time '6 p.m.' for the time '6.30 p.m.' appearing in the eighth line of the Second Schedule thereof. (Notification No. S 42 of *Gazette Supplement* No. 12 of 14th February, 1952.)

##### *The Merchant Shipping (Sunday Labour—Amendment) Ordinance, 1952*

This was an amendment to section 432 of the Merchant Shipping Ordinance, 1936, whereby sub-section 3 was amended and new sub-sections (8), (9) and (10) were substituted for the former sub-sections (8), (9), (10) and (11). The effect of these amendments were that any alterations in the Sunday Labour fees prescribed in Schedule L can be made by the Governor in Council instead of requiring a resolution of the Legislative Council, the deletion of all references to the Penang Mercantile Fund and, most important of all, the retention by the Fund of all the fees received during the year whereas formerly so much of the fees received as had not been utilised by the Committee by the end of the year, in accordance with the Rules made under this section, were appropriated to Colonial Revenue. (Notification No. S 89 of *Gazette Supplement* No. 21 of 5th March, 1952. Ordinance No. 4 of 1952.)



STATE OF SINGAPORE

ANNUAL REPORT OF THE  
MARINE DEPARTMENT  
FOR THE YEAR 1959

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1960

## DEPARTMENT OF MARINE ANNUAL REPORT FOR 1959

## THE PORT

A total of 37,545 vessels of 66,522,900 net tons entered and cleared the Port during the year, setting an all-time record for Singapore. This is an increase of 270 ships and 1,682,656 net tons as compared with 1958. A breakdown of these figures is given in Tables 1 to 6. Cargo details are recorded in Table 7.

The largest merchant ship to enter the Port was the Liberian Tanker *Universe Apollo*, gross tonnage 72, 132. The deepest draught vessel was the Liberian Tanker *World Inspiration* drawing 36 feet 4 inches.

The largest and deepest draught vessels to berth alongside the Singapore Harbour Board wharves in Keppel Harbour were the British s.s. *Iberia* of 29,614 gross tons and the Norwegian Motor Tanker *Havtor* drawing 32 feet 7 inches respectively.

H.B.M. Yacht *Britannia* with H.R.H. the Duke of Edinburgh on board visited Singapore from the 22nd–25th February, 1959.

50 warships and auxiliaries visited the Port during the year. Details are given in Table 8.

*Navigational Aids*

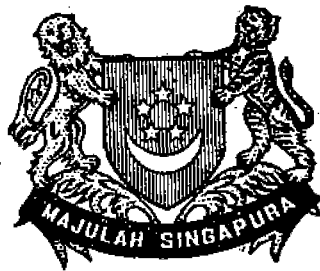
The Light Dues Board under the Chairmanship of the Master Attendant is responsible for the establishment and maintenance of all navigational aids. 67 members of the Department of Marine and the Public Works Department are engaged full time in this work.

The following improvements were made during the year:—

- (1) dihedral radar reflectors were fitted to Horsburgh, Raffles and Sultan Shoal lighthouses;
- (2) octahedral radar reflectors were fitted to two buoys and two beacons;
- (3) a light buoy was established to replace No. 9A Beacon off Pulau Bukom after the beacon had been damaged beyond repair by a ship;
- (4) lights were established on Empire Buoy, Tembaga Buoy and No. 35 Beacon in Keppel Harbour;
- (5) the light on Outer Shoal Beacon was altered from white to red;
- (6) No. 34 Beacon was moved to a new position marking the Seaward end of the new line of Wrecks at Tanjong Pagar;
- (7) the light on one buoy was changed from gas to electric operation;
- (8) the light on No. 36 Beacon was withdrawn.

The navigational aids in operation at the end of the year were as follows:—

- Lighthouses — Horsburgh, Raffles, Sultan Shoal, Pulau Pisang and Fullerton.
- Light Beacons — Twenty-one in number.
- Light Buoys — Ten in number.
- Unlit Beacons — Thirty-one in number.
- Unlit Buoys — Fifteen in number.



STATE OF SINGAPORE

ANNUAL REPORT OF THE  
MARINE DEPARTMENT  
FOR THE YEAR 1962

PRINTED BY THE GOVERNMENT PRINTING OFFICE, SINGAPORE

1964



# ANNUAL REPORT OF THE MARINE DEPARTMENT FOR THE YEAR 1962

## THE PORT

### *Shipping*

IN 1962, 39,911 ships with a total net tonnage of 83.8 million tons entered and cleared the Port of Singapore. This is an all time record for the Port and a tonnage increase of 9 per cent on the 1961 figures.

The total tonnage of ships using the port has doubled since the year 1952 and since 1959 has risen by 17.6 million tons.

13.6 million tons of mineral oil in bulk and 7.5 million tons of general cargo were handled and 2.7 million tons of oil bunkers were supplied to ships and aircraft in 1962.

Graphs and statistics showing the volume of shipping using the port are given in Tables 1 to 6. The tonnages of cargo handled at the three main operating centres of the port are given in Table 7.

The vessel with the deepest draught to anchor in the Outer Roads was the British motor tanker *Naess Sovereign*. Her mean draught was 46 feet 9 inches.

The largest vessel to berth alongside the Singapore Harbour Board wharves was the Dutch s.s. *Rotterdam*. She is 749 feet long and of 38,645 gross registered tons. The vessel with the deepest draught to berth alongside the Singapore Harbour Board wharves was the Danish motor tanker *Brigit Maersk*. Her mean draught was 31 feet 11 inches.

Forty-seven warships and fleet auxiliaries visited the port during the year. Details are given in Table 8.

### *Navigational Aids*

Navigational aids in the Port are established and maintained by the Marine Department and the Public Works Department under the direction of the Light Dues Board of which the Master Attendant is Chairman.

The following additions and alterations were made during the year:

- (1) On the 24th May the Panamanian s.s. *Diana* collided with and destroyed the Outer Shoal Beacon. A wreck buoy was laid to mark the wreckage which formed a dangerous obstruction.
- (2) A pole beacon fitted with a winker light was established on the reef south of Buran Darat and a light established on No. 37 Beacon to provide a new and safer passage for launches to St. John's Island. The light on No. 38 Beacon was withdrawn.

The navigational aids in operation at the end of the year were as follows:

Lighthouses — Horsburgh, Raffles, Sultan Shoal, Pulau Pisang and Fullerton.

Radio beacons — Horsburg.

Light beacons — Twenty-two.

Light bouys — Twelve.

Unlit beacons — Thirty.

Unlit bouys — Thirteen.

THE MARINE  
DEPARTMENT  
1966

A light was established on *Brani Reef* beacon on the 25th May as part of the new lighting system in Keppel Harbour. This revision included the removal of *Tereh* and *South Channel* buoys and the lighting of *S.E. Brani* buoy as mentioned above.

A winker beacon light was established on Beacon No. 30 at the entrance to Kallang Basin on the 25th November.

The lights on Beacons No. 15 in the Western Anchorage and Beacon No. 39 off St. John's Island were temporarily extinguished from 13th June to 29th July in order to carry out re-construction work. On completion of this work two new electric lanterns of higher candlepower were fitted to these beacons.

*Lighthouses.*—Pulau Pisang Lighthouse—Re-decoration and repairs were carried out and a new concrete water storage tank of 4,000 gallons capacity was built to supplement the existing water supply. A power-plant room to house three alternators was also built and three Armstrong-Siddley water-cooled diesel engines driving Brush alternators were installed in this room in readiness for conversion to electrical operation of the lighthouse. Installation of these three alternators and the wiring of both lantern room and crews' accommodation, was carried out by Marine Department and Light Dues Board staff. Due to late arrival of the new 4th Order electrically operated optic and machinery from the supplier it was not possible to complete the electrification of this lighthouse during 1966.

Horsburgh Lighthouse—On the evening of 30th April the new electrically operated optic and machinery was brought into use. This is a 4th Order 6 x 60° panel, single flash revolving prismatic optic with an illuminant consisting of a 1,000 watt lamp. This new optic replaces an old 1st Order optic which had an illuminant of a pressurised vapour kerosene "Hood" burner. The change over to electrical operation increased the candlepower of the light exhibited by this lighthouse from 154,000 to 449,000. The installation of three alternators, wiring for optic supply, including domestic requirement, dismantling of the old 1st Order optic and installation of the new 4th Order optic and machinery was carried out by Marine Department and Light Dues Board staff.

During the year the number of lighthouses, beacons and buoys operated and maintained by the Light Dues Board were as follows:

|             |   |            |   |                    |
|-------------|---|------------|---|--------------------|
| Lighthouses | — | Five       |   |                    |
| Beacons     | — | Sixty-four | — | 36 Lit<br>28 Unlit |
| Buoys       | — | Nineteen   | — | 13 Lit<br>6 Unlit  |

*Vessels and craft.*—The Board acquired its new lighthouse tender *Mata Ikan* on the 28th September. This 72 feet vessel is of approximately 100 tons gross and cost \$371,330 to construct. In addition to this lighthouse tender the Board owns and operates two other craft, i.e. a buoy vessel *Pesek* capable of a maximum lift of 10 tons and a 20 feet length fibreglass speedboat.

**'67** annual  
report

**marine  
department**

## NAVIGATIONAL AIDS SECTION

During the year under review all navigational aids functioned normally. Maintenance of lighthouses, beacons and buoys was carried out by the Light Dues Board under the Chairmanship of the Director of Marine.

### *Lighthouses*

#### *Modernisation of Pulau Pisang Lighthouse*

On 15th March, 1967 the old 16 panel 1st Order rotating optic, with pressurised kerosene vapour burner equipment, and the lantern were completely removed. A modern 4th Order optic with a 2-position lampchanger, control cabinet accommodating two optic drive motors with relays which are fully automatic in operation was installed and made operational before sunset the same day. The new light has the same flashing character but is of increased intensity, provided by a 6 x 60° panel rotating apparatus with a one kilowatt filament lamp flashing once every 5 seconds with an apparent intensity of 615,000 candlepower. An emergency 14,600 candlepower portable propane burner is also provided. Advantage was taken to provide domestic lighting to the crews' quarters. Installation of the new optic was carried out by Marine Department and Light Dues Board staff.

#### *Modernisation of Sultan Shoal Lighthouse*

Work in connection with the conversion from the kerosene "Hood" burner to an electric source commenced with the construction of a new annexe separate from the main building. Although unfavourable weather conditions were encountered, this annexe which houses three alternators was completed on 25th November, 1967. The design of the annexe and installation of the three 7½ kilowatt alternators together with associated wiring and piping arrangements were carried out by Marine Department and Light Dues Board staff. Advantage was taken to provide domestic lighting to lighthouse crews' quarters, but due to late arrival of new equipment it was not possible to complete the conversion before the end of the year.

#### *General repairs to Horsburgh Lighthouse*

The four yearly general repairs and repainting to Horsburgh Lighthouse were carried out and completed on 21st August, 1967.

### *Beacons*

On 8th February a light visible at a distance of 4 miles was established on the new *MESEMUT* beacon which marks the Eastern approaches to Selat Jurong.

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**MARINE**  
**DEPARTMENT 1971**

### *Lighthouses*

Routine four-yearly repairs and repainting were carried out to Horsburg Lighthouse. An additional diesel fuel storage tank was installed and the diesel engines' cooling water tanks including the piping connections were also renewed.

Minor repairs and renewal of timber structures were carried out to Raffles Lighthouse. In addition, the whole lighthouse was inspected for termites and preventive treatment carried out to all timber structures.

### *Summary*

At the end of the year the total number of buoys, beacons and lighthouses operated and maintained by the Board were as follows:

|                     |   |                            |
|---------------------|---|----------------------------|
| (a) Lighthouses     | : | 5                          |
| (b) Beacons         | : | 41 lighted<br>26 unlighted |
| (c) Buoys           | : | 38 lighted<br>11 unlighted |
| (d) Radio Beacon    | : | 1                          |
| (e) Radar Responder | : | 1                          |

### **Annex 83**

Warnsinck J.C.M. (ed.), Jan Huygen van Linschoten's  
Itinerario Voyage ofte Schipvaert naer Oost Ofte Portugaels  
Indien, 1579-1592 (1939), pp. 94, 101-102 (Dutch original,  
with English translation)



## TRANSLATION

Warnsinck J.C.M. (ed.), *Jan Huygen van Linschoten's Itinerario Voyage ofte Schipvaert naer Oost Ofte Portugaels Indien, 1579-1592* (1939)

### ***Dutch Original***

Kap. 20: Die Navigatie ende rechte Coursen van Malacca af nae Macau in China...(Page 90)

Van dese Eylandekens 2 mylen z.z.o aen, is gelegen die Pedra Branqua, (dat is, witte steen geseyt) welke is een Eylandeken van witte steen-rootsen ofte Clippen, hebbende daer dicht by noch etlicke andere Rudtsen ende Clippen, ghelegen aende zuydtzyde daer van af, van welke zyde inghelijcks ghelegen 't Eylandt van Binton...(Pages 101 – 102)

Men heeft rontsom de Pedra branqua, en daer dicht by 6 vadem diepten, suyver gront; sult u altoos wachten vande Clippen ende Rudtsen daer by gelegen...(Page 102)

### ***English Translation***

Chapter 20: The navigation and correct courses from Malacca to Macao in China... (Page 90)

From these small islands approximately 2 sea miles in South-Southeasterly direction is situated Pedra Branca (that is to say, the white rock) which is a small island comprising white protruding rocks and boulders, and nearby located on its Southern side there are also other sharp rocks and boulders which is the side where is also situated the island of Binton...(Pages 101 – 102)

Around Pedra Branca and close by one has water measuring 6 Dutch fathoms depth, on clean ground; one also has to watch the boulders and sharp rocks which are situated close by...(Page 102)

WERKEN UITGEGEVEN DOOR  
DE LINSCHOTEN-VEREENIGING

XLIII

HET ITINERARIO VAN  
JAN HUYGEN VAN LINSCHOTEN

1579—1592

VIERDE DEEL

## Dat 20. Capittel.

Die Navigatie ende rechte Coursen van Malacca af nae Macau in China, met alle die gheleghentheyten vande selfde vaert alles in 't breedte ende op 't correctste aenghewesen.

De Straet  
Singapura.

Ylha Grande  
de leyt 3  
mylen van  
Malacca.

De Revier  
van Muar  
leyt 3 my-  
len vande  
Eylande-  
kens.

Kenteijc-  
ken vande  
Haven om  
Muar.

Streckin-  
ghe ende  
coursen  
vande Re-  
vier Muar  
tot Ryo  
Fermoso.

Ghedaente,  
diepte, en-  
de ghele-  
ghentheyten  
van Ryo  
Fermoso.

Sommighe  
Bancken.

Het Ey-  
landt Pulo  
Picon met  
3 Eylande-  
kens, ghele-  
ghentheyten  
ende  
plaets.

Een groot  
ende hoogh  
Eylandt  
Pulo Carimon  
ver-  
ghesel-

Scheydende uyt *Malacca* na de Straet van *Sincapura* ende naer *China* toe, sult uwen cours nemen nae het Eylandt ghe-naemt *Ylha grande*<sup>1)</sup>, (gheleghen drie mylen vande Haven [388] van *Malacca*) passerende (tot meerder sekerheit) d'Eylandekens buyten om. Van dese Eylanden tot de Revier van *Muar*<sup>2)</sup> zijn drie mylen, de welcke heeft tot een kenteijcken eenen huevel vol gheboomte, staende aende zyde van het zuydt oosten, sonder eenigh ander hoogh landt meer daer ontrent te hebben.

Vande Revier *Muar*, tot de Revier ghe-naemt *Ryo Fermoso*<sup>3)</sup>, looptmen de Custe noordt west ende zuydt oost, ende noordt west ten westen, ende zuydt oost ten oosten, is inde distantie 9 mylen. Dese Revier *Fermoso* is groot ende schoon, hebbende in 't incomen 6, 7 vadem diepten, als oock binnen in; men loopter in by de voet van eenen hoogen bergh langhs, te weten aende zuydt oost zyde; is gheleghen aende zuydt zyde van *Malacca*, heeft sommighe bancken (vande punt van het n.o. het welcke een plat ende vlack landt is) af steken tot een half mijl t'Zeewaert in, van welcke u sult wachten.

Van dese *Ryo Fermoso* af tot het Eyland *Pulo Picon*<sup>4)</sup>, looptmen de Custe op de selfde streckinghe van zuydt oost ten oosten toe; (Dit Eylandt *Pulo Picon* is gheleghen een half mijl vande Custe af, hebbende drie Eylandekens by hem liggen, te weten, twee vande zyde vande Zee, ende een vande zyde van het landt, ende sult tusschen dien ende het landt niet loopen: want het altemael drooghten zijn) is inde distantie seven mylen.

Van *Pulo Picon*, t'Zeewaert zuydt oost aen, leyt een groot ende seer hoogh Eylandt, met veel Eylandekens om hem, ghe-naemt *Pulo Carimon*; Langhs het selfde Eylandt, te weten aende west zyde heen looptmen nae die Straet van *Sabon*<sup>5)</sup> toe,

1) Een der Water Islands.

2) De monding ligt 20 zeemijl O.Z.O. van Malakka.

3) Thans de Sembrong.

4) Thans P. Pisang.

5) Bewesten Karimoen en Koendoes; zie ook p. 134, en 135, n. 2.

ende men loopt langhs o. ende w. is inde distantie ontrent 8 mylen, ende sult tusschen dien ende het landt niet passeren; De Zee daer by, te weten, ontrent een half mijl nae het zuyen, is altemael suyver ende schoon, van 15 vadem diepten, met sant gront. Te middeweghen van desen wegh vande Straet, nae d' Eylandekens toe, luttel min ofte meer, leyt de Revier van *Iantana*, den welcken eenen grooten mont heeft, wesende d'incomste van dien langhs het landt vande oost zyde heen, alwaer dickwils groote schepen in ghelopen zijn, ende aende westzyde (daer een huevel van roode aerde staet) heeft over de geheele mont vande Revier een bancke van hart sant <sup>1)</sup>, ontrent anderhalf mijl t'Zeewaert in streckende, daer veel schepen op gheraect zijn, waer van ghy u sult wachten. Van den hoeck van d'Eylanden boven geroert (gelegen aen 't eynde van het land van *Iantana*), loopt een Riffe <sup>2)</sup> af, stekende o.n.o. t'Zeewaert in, twee groote mylen, ende alst stil weer is, so en canmender het water niet op sien breken, dan maect alleenlick wat wit schuijms boven op, het welck men terstont kan sien en onderscheyden, ende alst hart weer is, so breeckter het water [41a] over al op. Tusschen dese Riffe ende de Eylanden loopt een groot Canael <sup>3)</sup>, altemael van een steenigen gront, ende het aller ondiepste dat ic daer gevonden hebbe, zijn 5½ vadem, ende van dese diepten comtmen op 7½ vadem, ende dan weder op ses en 8½ vadem; het mach wesen vande breete van een schuet grof gheschuts, te weten, recht dwers over. Die dit Canael wil passeren, moet een half mijl van d'Eylanden af loopen, sonder daer naeder by te comen: want soudt op t' droogh loopen; Mijn goetdunckt waer datter gheen groote schepen met haren wille door en liepen, ten waer dat huer den noot daer toe dwongh, ghelijck als *Francisco Daginear* dede, die daer aende gront stiet, ende was in perijckel van 't schip te verliesen, om dieswille dat hy te na aende Riffen gelopen was, en dat hem de wint scherpte. Van dese Eylandekens <sup>4)</sup> 2 mylen z.z.o. aen, is gelegen die *Pedra Branqua*, (dat is, witte steen geseyt) welck is een Eylandeken <sup>5)</sup> van witte steen-rootsen ofte Clippen, hebbende daer dicht by noch etlicke andere Rudtsen ende Clippen, gheleghen aende

Te middeweghen vande straet leyt de revier Iantana.

Beschryvinge van Iantana.

Een swarte sandt-banck over de mont vande Revier.

Een Rif ten eynde van het landt Iantana.

Teekenen vande sandt banck.

Een groot Canael met een steenachtighe gront.

Diepten van het selve.

Cours om door het Canael te loopen.

Verhael van 'tghene Fran. Daginear in dit Canael wedervaren is.

Gelegentheyd van Pedra Branqua.

<sup>1)</sup> De Tanah Merah Besar (Large Red Cliffs) met de Red Cliff Bank.

<sup>2)</sup> De Rumenia Shoals.

<sup>3)</sup> Het „North Channel”.

<sup>4)</sup> De Poeloe Lima.

<sup>5)</sup> Pedra Branca, thans met den lichttoren Horsburgh.

Desghe- zuydtzyde daer van af, van welcke zyde insghelijcks ghelegen  
lijcks van is 't Eylandt van *Binton* <sup>1)</sup>, 'twelck seer lanc is, hebbende in  
't Eylandt 't midden van dien een hoogen huevel, by de welcke langs heen  
Binton, ende de men diepe gront heeft: maer is quaet om te ankeren voor die  
ghedaente der selver. van China comen; Men heeft rontsom die *Pedra branca*, en daer  
dicht by 6 vadem diepten, suyver gront; sult u altoos wachten  
vande Clippen ende Rudtsen daer by gelegen.

Courssen als men over 15 vadem diepte ten is by de Revier Iantana. Ick heb hier voor bevolen in 't uytloopen vande Straet (als  
ghy over de drooghten op de 15 vadem diepten zijt, in voeghen  
als gheseyt is) oost aen te seylen naer d'Eylandekens toe, die  
ghy terstont sult comen te sien, te weten, soo haest als ghy de  
Revier van *Iantana* ghepasseert zijt, ende als ghyse beghint  
te genaken, so sult ghy u houden na die *Pedra branca* ofte witte  
steen toe, in voeghen dat ghy daer een half mijl van afloopt, u  
wachtende vande zyde vande Eylanden, om twee redenen; Ten  
eersten, om dat de winden (in desen tijt datmen na *China* vaert)  
altoos vande zyde van *Binton* af wayen, welcke is de Monson  
van uyten z. ende z.w.; ende so u de wint scherpten, ende nae  
het z.o. liep, (alst dickwils in dese contreye gebuert) wesende  
aende zyde van d'Eylanden, en sout de Riffen niet voor by  
moghen comen, waer door gedwongen soudt wesen te loopen  
door 't Canael (dat tusschen *Pedra branca* ende d'Eylanden  
loopt) ofte sout so veel tijts te soecken maken in daer te vertoe-  
ven, dat ghy de Monson, (dat is, den tijt vande Voyage) verliesen  
sout nae *China* te varen. Ten tweeden is, dat so ghy u daer vont  
met een slap ghetty ende wint, ofte met weynigh seylen op, so  
soude u water ende stroomen op de Riffen dryven, sonder dat  
eens ghewaer te worden, gelijk alst ghebuerden met het Schip  
van *Don Diego de Meneses*, van welcke Stuer-man was *Goncalo*  
*Vyera*, die 't water op 10 vadem dreef, daer hy het sette, ende  
quam een weynigh daer na op 7 vadem <sup>2)</sup>, waer door hy by de  
3 daghen om bracht, om hem met d'anckers weer uyt te winden.  
Door dese twee Reeden advertere u, dat ghy u hout aende zyde  
van *Pedra branca*, ofte de witte Clippen boven verhaelt.

Waer- schouwin- ghe vande Eylanden om twee oorsaken. D'eerste oorsake is vande win- den.

De tweede oorsake is, als men met een slap ghetty en weynigh seyls daer ontrent waer, sou- den op de Rifdryven. Gheschie- denisse van Diego de Meneses ontrent deesEylan- den.

Coursen

Van *Pedra branca* af nae het Eylandt *Pulo Tinge* <sup>3)</sup>, soo looptmen n. ende z. ende n. ten o. ende z. ten w. is inde cours

<sup>1)</sup> Bintang, het grootste eiland van den Riouw-archipel.

<sup>2)</sup> Vermoedelijk is bedoeld: wien de stroom op 10 vadem dreef, waar hij het anker liet vallen, en kwam een weinig daarna op een plek van 7 voet. Zie voor Diego de Meneses: Tiele, Europeërs in den Maleischen Archipel, I, p. 408 e.v.

<sup>3)</sup> P. Tinggih (Hoog Eiland), op de oostkust van Djohor.

**Annex 84**

**Military Administration Proclamation (15 Aug 1945)  
(British Military Administration, Malaya)**

# BRITISH MILITARY ADMINISTRATION, MALAYA, GAZETTE

## OF THE MALAY PENINSULA

PUBLISHED BY AUTHORITY.

No. 1]

KUALA LUMPUR, THURSDAY, 1st NOVEMBER, 1945

[Vol. 1

### BRITISH MILITARY ADMINISTRATION, MALAYA.

#### Part I.—PROCLAMATIONS AND NOTICES UNDER PROCLAMATIONS.

##### Proclamation No. 1.

##### A PROCLAMATION TO ESTABLISH A MILITARY ADMINISTRATION.

No. 1.—WHEREAS by reason of military necessity and for the prevention and suppression of disorder and the maintenance of public safety it is necessary to place the territories of the Settlements of Singapore, Penang and Malacca, all islands and places forming part thereof and all British waters adjacent thereto, and the Malay States of Perak, Selangor, Negri Sembilan, Pahang, Johore, Kedah, Kelantan, Trengganu and Perlis, all islands forming part of such States and the territorial waters thereof (hereinafter called Malaya) under military administration:

Now, THEREFORE, I, Admiral Lord Louis Mountbatten, Knight Grand Cross of the Royal Victorian Order, Knight Commander of the Most Honourable Order of the Bath, Companion of the Distinguished Service Order, Personal Aide-de-Camp to His Majesty the King, Honorary Lieutenant-General and Air Marshal, Supreme Allied Commander, South East Asia, HEREBY PROCLAIM AS FOLLOWS:

1. A Military Administration to be called the British Military Administration is hereby established throughout such areas of Malaya as are at any given time under the control of Forces under my command and shall continue only so long as I consider it to be required by military necessity.

Establishment of a Military Administration.

2. I hereby assume for myself and my successors full judicial, legislative, executive and administrative powers and responsibilities and conclusive jurisdiction over all persons and property throughout such areas of Malaya as are at any given time under the control of the Forces under my command.

Assumption of powers and jurisdiction.

3. Subject always to any orders and directions which I may issue from time to time, I delegate to the General Officer Commanding Military Forces, Malaya, all the powers, responsibilities and jurisdiction assumed by me, and such General Officer Commanding is authorised to delegate such powers, responsibilities and jurisdiction as he may deem necessary to any officer under his command and to empower such officer further to delegate any of such powers, responsibilities and jurisdiction.

Delegation.

4. All persons will obey promptly all orders given by me or under my authority and must refrain from all acts which impede the Forces under my command or are helpful to the enemy, from all acts of violence, and from any act calculated to disturb public order in any way.

Orders to be obeyed.

5. (1) Subject to the provisions of any Proclamation of the British Military Administration and in so far as military exigencies permit—

Existing laws to be respected.

(a) all laws and customs existing immediately prior to the Japanese occupation will be respected:

Provided that such of the existing laws as the Chief Civil Affairs Officer considers it is practicable from time to time to administer during the period of military administration will be administered;

(b) all rights and properties will be respected:

Provided that rights and properties acquired during the Japanese occupation may be subject to investigation and to such action as justice requires.

(2) With regard to paragraph (a) of sub-section (1), the inhabitants of the said territories are advised to consult the nearest Civil Affairs Officer if in doubt as to whether any existing law is being administered.

6. All Courts and tribunals, other than military courts established under my authority, are hereby suspended and deprived of all authority and jurisdiction until authorized by me to re-open.

Suspension of Courts.

7. It is hereby declared that all Proclamations and legislative enactments of whatever kind issued by or under the authority of the Japanese Military Administration shall cease to have any effect.

Revocation of Japanese Military Administration Proclamations.

8. This Proclamation may be cited as the **Military Administration Proclamation.**

Short title.

Signed at Kandy, this 15th day of August, 1945.

LOUIS MOUNTBATTEN,  
Admiral,  
Supreme Allied Commander, South East Asia.

**Annex 85**

**Interpretation Proclamation (22 Sep 1945)  
(British Military Administration, Malaya)**



shall be deemed to be guilty of that offence unless he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of the offence.

18. This Proclamation supersedes the provisions of the Ordinances and Enactments set out in the schedule hereto.

Certain  
written laws  
superseded.

THE SCHEDULE.

1. The Food Control Ordinance, 1939, of the Straits Settlements;
2. The Food Control Enactment, 1939, of the Federated Malay States;
3. The Food Control Enactment, 1939, of Johore;
4. The Food Control Enactment, 1958, of Trengganu;
5. The Food Control Enactment of Kedah;
6. The Food Control Enactment, 1958, of Perlis;
7. The Food Control Enactment, 1939, of Kelantan;
8. All other Ordinances and Enactments containing provisions relating to the control, distribution or rationing of foodstuffs.

Dated the 16th day of September, 1945.

M. C. DEMPSEY,

Lieut.-General,

General Officer Commanding Military Forces, Malaya.

Proclamation No. 11.

A PROCLAMATION TO PROVIDE THE LAW RELATING TO THE  
CONSTRUCTION OF PROCLAMATIONS.

No. 11.—I, General Officer Commanding Military Forces, Malaya, in exercise of the authority conferred upon me by the Supreme Allied Commander, South East Asia Command, do HEREBY PROCLAIM AND ORDER.

1. This Proclamation may be cited as the **Interpretation Proclamation**. Short title.
2. In this Proclamation and in every Proclamation, rule, order or regulation made under a Proclamation, whether promulgated, made or issued before or after the commencement of this Proclamation, and whether having effect in Malaya or in the Malay Peninsula only, the following words and expressions shall have the meanings hereby assigned to them respectively, unless there is something in the subject or context inconsistent with such construction or unless it is otherwise therein expressly provided:
  - "Chief Civil Affairs Officer" means the principal staff officer in charge of the Civil Affairs Service; Definitions.
  - "Chief Legal Officer" means the Chief Legal Officer, Malaya, on the staff of the General Officer Commanding Military Forces, Malaya;
  - "Civil Affairs Service" means that part of His Majesty's forces which, under the authority of the Supreme Allied Commander, conducts the military administration of the civil population of Malaya;
  - "Controller of Finance and Accounts" means the Controller of Finance and Accounts, Malaya, on the staff of the General Officer Commanding Military Forces, Malaya;
  - "Deputy Chief Civil Affairs Officer" means the officer of the Civil Affairs Service appointed to be in charge of the military administration of the civil population of the Malay Peninsula;
  - "Deputy Controller of Finance and Accounts" means the officer of the Civil Affairs Service appointed Deputy Controller of Finance and Accounts, Malay Peninsula;
  - "District" means any one of the districts into which the Malay Peninsula may from time to time be divided for purposes of the British Military Administration, Malaya;
  - "District Civil Affairs Officer" means an officer of the Civil Affairs Service carrying out duties in the Department of Military Government of the British Military Administration, Malaya, in any district;
  - "Gazette" means the *British Military Administration Gazette* published for Malaya and includes any separate *British Military Administration Gazette* which may be published for the Malay Peninsula;
  - "Legal Officer" means the officer of the Civil Affairs Service appointed Legal Officer, Malay Peninsula;
  - "Malay Peninsula" means Malaya excluding the Settlement of Singapore and the Cocos Islands and North Keeling Island;
  - "Malaya" means:
    - (a) the Settlement of Singapore, the Settlement of Penang and the Settlement of Malacca, all as hereinafter defined;
    - (b) the Malay States of Perak, Selangor, Negri Sembilan, Pahang, Johore, Kedah, Kelantan, Trengganu and Perlis, all islands forming part of such States and the territorial waters thereof;
  - "officer" means any commissioned officer of His Majesty's Forces and any civilian appointed to any post or appointment under the British Military Administration tenable by a commissioned officer;
  - "Proclamation" means any Proclamation made by or under the authority of the Supreme Allied Commander which relates to Malaya or to the Malay Peninsula;
  - "Region" means any one of the regions into which the Malay Peninsula may from time to time be divided for the purposes of the British Military Administration, Malaya;

"Senior Civil Affairs Officer" means an officer of the Civil Affairs Service appointed to be in charge of a Region;

"Settlement of Malacca" includes the Settlement of Malacca, all islands and places forming part of such Settlement and all British waters adjacent thereto;

"Settlement of Penang" includes the Settlement of Penang, all islands and places forming part of such Settlement and all British waters adjacent thereto;

"Settlement of Singapore" includes the Island of Singapore, all other islands and places forming part of such Settlement and all British waters adjacent thereto, but does not include the Cocos Islands and North Keeling Island;

"written law":

(a) in relation to the Federated Malay States or any Malay State includes all Enactments and all orders, proclamations, rules, by-laws and regulations (including Emergency Regulations) made by any body or person having authority under any statutory or other enactment to make the same for the Federated Malay States or any Malay State as the case may be; and

(b) in relation to the Settlement of Penang or the Settlement of Malacca includes all Ordinances of the Colony of the Straits Settlements and all orders, proclamations and letters patent and all rules, by-laws and regulations (including Defence Regulations) made by any body or person having authority under any statutory or other enactment or Order in Council to make the same for the said Colony.

Transfer of powers.

3. (1) In this section "Authority" means any person or body of persons appointed or authorised under any written law to exercise authority or powers or perform duties thereunder.

(2) No Authority shall be entitled to exercise powers or perform duties under any written law unless he shall have been thereunto authorised by or under the authority of the General Officer Commanding Military Forces, Malaya, or the Chief Civil Affairs Officer.

(3) Subject to the provisions of any Proclamation and to any orders or directions of the General Officer Commanding Military Forces, Malaya, or of the Chief Civil Affairs Officer:

(a) Any officer of the Civil Affairs Service who is for the time being required by or under the authority of the General Officer Commanding Military Forces, Malaya, or by or under the authority of the Chief Civil Affairs Officer to perform any functions previously performed by an Authority under any written law shall be deemed to have and may exercise any rights and powers conferred by that written law upon such Authority which may be necessary to enable such Civil Affairs Officer to perform such functions;

(b) Without prejudice to the generality of the foregoing, the rights and powers which by any written law are vested in or conferred upon any Authority mentioned in the first column of the First Schedule to this Proclamation shall be deemed to be vested in or conferred upon the corresponding officer or officers respectively mentioned in the second column of the said Schedule subject, however, to any restrictions or modifications mentioned in the third column of the said Schedule:

Provided that nothing in this section shall be taken to impose upon any officer an obligation to perform any duty which arose prior to the promulgation of the Proclamation in the area concerned, or which arises under any written law or part thereof which, for the time being, is not being administered in the area concerned.

(4) The Chief Civil Affairs Officer may, by notice or by notification in the *Gazette*, from time to time add to, alter or amend the provisions of the said Schedule.

4. Subject to the modifications or additions, as the case may be, specified in the Second Schedule to this Proclamation:

(a) the provisions of the Federated Malay States Interpretation and General Clauses Enactment shall apply "mutatis mutandis" to Proclamations in the Malay Peninsula excluding the Settlements of Penang and Malacca; and

(b) the provisions of the Straits Settlements Interpretation Ordinance shall apply "mutatis mutandis" to Proclamations in the Settlements of Penang and Malacca.

5. Every Proclamation and every rule, order or regulation made under a Proclamation shall become operative from the date of its promulgation in each part of the Malay Peninsula which comes under the control of the Forces under the command of the Supreme Allied Commander, or on such later date as may be specified therein: Provided that any Proclamation and every rule, order or regulation made under a Proclamation issued after the publication of the *Gazette* Proclamation shall become operative upon publication thereof in the *Gazette* unless provision therein to the contrary is made.

6. In case of any conflict or discrepancy between the English text of a Proclamation or of a rule, order or regulation made under a Proclamation and any translation thereof, the English text shall prevail.

7. Where there is any conflict or inconsistency between the provisions of any written law of any Malay State or of the Federated Malay States, or of the Straits Settlements as regards the Settlements of Penang and Malacca, and the provisions of any Proclamation or of any rule, order or regulation made under a Proclamation, the provisions of the latter shall prevail.

Application of the Federated Malay States Interpretation and General Clauses Enactment and the Straits Settlements Interpretation Ordinance.

Effective dates of Proclamations, etc.

Amended by Proclamation No. 20.

English text to prevail.

Proclamations, etc., to prevail.

Nov. 1, 1945]

## B.M.A., MALAYA, GAZETTE.

21

## FIRST SCHEDULE.

(Section 3).

| Authorities.                                                                                                                           | Civil Affairs Officers Empowered.                                   | Restrictions.                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Governor and Governor-in-Council, Straits Settlements, High Commissioner, Malay States, and Federal Secretary, Federated Malay States. | Chief Civil Affairs Officer and Deputy Chief Civil Affairs Officer. | The Deputy Chief Civil Affairs Officer shall not, without reference to the Chief Civil Affairs Officer, exercise the powers of the Authorities mentioned in the first column in any matter or matters which the Chief Civil Affairs Officer shall have directed to be referred to him. |
| Colonial Secretary and Under Secretary, Straits Settlements.                                                                           | Deputy Chief Civil Affairs Officer.                                 | The Chief Civil Affairs Officer and the Deputy Chief Civil Affairs Officer shall not exercise the powers or undertake the obligations of the High Commissioner under the Malay Regiment Enactment (Cap. 42) of the Federated Malay States.                                             |

## AGRICULTURE AND FORESTS.

|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                               |                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Director of Agriculture; Director of Forestry; Deputy Director of Forestry.<br>Conservator of Forests.<br>Senior Assistant Conservator of Forests.<br>Assistant Conservator of Forests.<br>State Forest Officer.<br>Assistant State Forest Officer; District Forest Officer; Assistant District Forest Officer. | Senior Civil Affairs Officer (Forests and Agriculture).<br>S.O. II (Forests).<br>Civil Affairs Officer.<br>S.O. III (Forests).<br>Senior Civil Affairs Officer.<br>Civil Affairs Officer; S.O. III (Forests). | Under the Forest Ordinance and Rules, Straits Settlements.<br><br>Under the Forest Enactment and Rules, Federated Malay States. |
| Conservator of Forests; State Forest Officer.<br>District Forest Officer; Assistant Conservator of Forests.                                                                                                                                                                                                     | S.O. II (Forests).<br>S.O. III (Forests).                                                                                                                                                                     |                                                                                                                                 |

## CUSTODIAN OF PROPERTY.

|                              |                        |
|------------------------------|------------------------|
| Custodian of Enemy Property. | Custodian of Property. |
|------------------------------|------------------------|

## EDUCATION.

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Director of Education.          | Senior Civil Affairs Officer (Education). |
| Any other Educational Official. | Staff Officer (Education).                |

## ELECTRICAL.

|                                                               |                                            |
|---------------------------------------------------------------|--------------------------------------------|
| Municipal Electrical Engineer, Penang.                        | S.O. II (Electrical).                      |
| Municipal Electrical Engineer, Malacca.                       | S.O. II (Electrical).                      |
| Electrical Engineer, Kelantan.                                | S.O. III (Electrical).                     |
| Adviser on Electricity and Chief Electrical Inspector, F.M.S. | Senior Civil Affairs Officer (Electrical). |

## FINANCE.

|                                                                                                                                                                            |                                                                                   |                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Financial Secretary, Straits Settlements; Financial Secretary, Federated Malay States; the principal Financial Authority in each Malay State by whatever title designated. | Controller of Finance and Accounts and Deputy Controller of Finance and Accounts. | The Deputy Controller of Finance and Accounts shall not, without reference to the Controller of Finance and Accounts, exercise the powers of the Authorities mentioned in the first column in any matter or matters which the Controller of Finance and Accounts shall have directed to be referred to him. |
| Board of Commissioners of Currency; Chairman of Board of Commissioners of Currency.                                                                                        | Controller of Finance and Accounts.                                               |                                                                                                                                                                                                                                                                                                             |
| Auditor, Straits Settlements and Federated Malay States.                                                                                                                   | Inspector-General of Accounts.                                                    |                                                                                                                                                                                                                                                                                                             |
| Commissioner of Stamps, Straits Settlements; Collector of Stamps, Federated Malay States, Johore, Kedah, Kelantan and Trengganu.                                           | Deputy Controller of Finance and Accounts.                                        |                                                                                                                                                                                                                                                                                                             |
| Chief Revenue Authority, Federated Malay States, Johore, Kedah, Kelantan and Trengganu.                                                                                    |                                                                                   |                                                                                                                                                                                                                                                                                                             |
| Commissioner of Estate Duty, Straits Settlements; Collector of Estate Duty, Federated Malay States and Johore.                                                             |                                                                                   |                                                                                                                                                                                                                                                                                                             |

## FIRST SCHEDULE—(cont.)

| Authorities.                                                                                                                                                                                                                                                                                                                                                                                    | Civil Affairs Officers Empowered.                                    | Restrictions.                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HEALTH, MEDICAL AND VETERINARY.</b>                                                                                                                                                                                                                                                                                                                                                          |                                                                      |                                                                                                                                                                                                                                                     |
| Director of Medical Services; Municipal Health Officer; Government Veterinary Surgeon.                                                                                                                                                                                                                                                                                                          | Senior Civil Affairs Officer (Medical).                              |                                                                                                                                                                                                                                                     |
| <b>JUDICIAL.</b>                                                                                                                                                                                                                                                                                                                                                                                |                                                                      |                                                                                                                                                                                                                                                     |
| Chief Justice; Judge of Appeal; Judge of the Supreme Court; Judge of the High Court; Judge of the Senior Court; Judge, Judicial Commissioner.                                                                                                                                                                                                                                                   | President of the Superior Court.                                     | } Limited to criminal jurisdiction.                                                                                                                                                                                                                 |
| District Judge; Assistant District Judge; Judge of the Junior Court; Magistrate; Magistrate of the First Class; Magistrate of the Second Class; Magistrate of Police; Police Magistrate; Coroner.                                                                                                                                                                                               | Presiding Officer of a District Court.                               |                                                                                                                                                                                                                                                     |
| Registrar; Deputy Registrar; Assistant Registrar.                                                                                                                                                                                                                                                                                                                                               | Registrar or Deputy Registrar of the Superior Court.                 |                                                                                                                                                                                                                                                     |
| <b>LANDS, MINES AND SURVEYS.</b>                                                                                                                                                                                                                                                                                                                                                                |                                                                      |                                                                                                                                                                                                                                                     |
| Commissioner of Lands and Mines.                                                                                                                                                                                                                                                                                                                                                                | Colonel, Lands, Mines and Surveys and S.O. I (Mines).                | } Restricted in the case of Magistrate to the powers of a Magistrate under the Land Code.                                                                                                                                                           |
| Commissioner of Lands; Director of Lands.                                                                                                                                                                                                                                                                                                                                                       | Colonel, Lands, Mines and Surveys.                                   |                                                                                                                                                                                                                                                     |
| Collector of Land Revenue; Land Officer; Registrar of Deeds; Magistrate.                                                                                                                                                                                                                                                                                                                        | District Civil Affairs Officer.                                      |                                                                                                                                                                                                                                                     |
| Chief Inspector of Mines; Senior Warden of Mines.                                                                                                                                                                                                                                                                                                                                               | Colonel, Lands, Mines and Surveys and S.O. I (Mines).                |                                                                                                                                                                                                                                                     |
| Warden; Senior Inspector of Mines; Inspector of Mines; Mines Officer.                                                                                                                                                                                                                                                                                                                           | S.O. II, S.O. III (Mines).                                           |                                                                                                                                                                                                                                                     |
| Surveyor-General.                                                                                                                                                                                                                                                                                                                                                                               | S.O. I (Surveys).                                                    |                                                                                                                                                                                                                                                     |
| Surveyor; Survey Officer; Superintendent of Surveys.                                                                                                                                                                                                                                                                                                                                            | S.O. I, S.O. II and S.O. III (Surveys).                              |                                                                                                                                                                                                                                                     |
| <b>LEGAL.</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |                                                                                                                                                                                                                                                     |
| Attorney-General and Solicitor-General, Straits Settlements; Legal Adviser, Federated Malay States; the principal Legal Authority in each Malay State by whatever title designated.                                                                                                                                                                                                             | Chief Legal Officer and Legal Officer.                               | } The Legal Officer shall not, without reference to the Chief Legal Officer, exercise the powers of the Authorities mentioned in the first column in any matter or matters which the Chief Legal Officer shall have directed to be referred to him. |
| Public Prosecutor.                                                                                                                                                                                                                                                                                                                                                                              | Legal Officer.                                                       |                                                                                                                                                                                                                                                     |
| Deputy Public Prosecutor.                                                                                                                                                                                                                                                                                                                                                                       | Legal Officer and Deputy Legal Officer.                              |                                                                                                                                                                                                                                                     |
| <b>LIQUORS, CUSTOMS AND EXCISE.</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                      |                                                                                                                                                                                                                                                     |
| Commissioner of Customs and Excise and Deputy Commissioner of Customs and Excise; Comptroller of Customs; Commissioner and Deputy Commissioner of Trade and Customs; Superintendent and Assistant Superintendent of Trade and Customs; Superintendent of Excise; Superintendent of Marine and Customs; Principal Officer of Customs; Superintendent of Liquors, Revenue Department, Peninsular. | S.O. I (Customs and Excise).                                         |                                                                                                                                                                                                                                                     |
| Licensing Justice; Licensing Board; Licensing Officer.                                                                                                                                                                                                                                                                                                                                          | District Civil Affairs Officer.                                      |                                                                                                                                                                                                                                                     |
| Local Authority.                                                                                                                                                                                                                                                                                                                                                                                | Senior Civil Affairs Officer.                                        |                                                                                                                                                                                                                                                     |
| Justice of the Peace.                                                                                                                                                                                                                                                                                                                                                                           | S.O. I (Customs and Excise) and District Civil Affairs Officer.      |                                                                                                                                                                                                                                                     |
| Analyst; Official Analyst.                                                                                                                                                                                                                                                                                                                                                                      | S.O. II, Medical (Pathologist).                                      |                                                                                                                                                                                                                                                     |
| Assistant Superintendent of Excise; Assistant Superintendent of Marine and Customs.                                                                                                                                                                                                                                                                                                             | All Commissioned Officers of Civil Affairs Police.                   |                                                                                                                                                                                                                                                     |
| <b>MILITARY GOVERNMENT.</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                      |                                                                                                                                                                                                                                                     |
| <u>The Ruler in State Council or the State Council*</u>                                                                                                                                                                                                                                                                                                                                         | } Senior Civil Affairs Officer.                                      |                                                                                                                                                                                                                                                     |
| The Resident Councillor, Penang; the Resident Councillor, Malacca; the British Resident or the principal Adviser by whatever title designated in each Malay State; the State Secretary and the Secretary to the Resident.                                                                                                                                                                       |                                                                      |                                                                                                                                                                                                                                                     |
| District Officer or the principal Administrative Officer of a District by whatever title designated.                                                                                                                                                                                                                                                                                            | District Civil Affairs Officer.                                      |                                                                                                                                                                                                                                                     |
| President, Municipal Commissioners; Municipal Commissioners.                                                                                                                                                                                                                                                                                                                                    | Deputy Chief Civil Affairs Officer and Senior Civil Affairs Officer. |                                                                                                                                                                                                                                                     |

Nov. 1, 1945]

## B.M.A., MALAYA, GAZETTE

23

## FIRST SCHEDULE—(cont.)

| Authorities.                                                                                                                                                                                                                   | Civil Affairs Officers Empowered.                                                 | Restrictions. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|
| <b>OPIUM AND CHIANDU.</b>                                                                                                                                                                                                      |                                                                                   |               |
| Commissioner of Customs and Excise; Deputy Commissioner of Customs and Excise; Comptroller of Customs and Excise; Deputy Comptroller of Customs and Excise.                                                                    | S.O. I (Customs and Excise).                                                      |               |
| <b>POLICE AND PRISONS.</b>                                                                                                                                                                                                     |                                                                                   |               |
| Commissioner of Police; Inspector-General of Police.                                                                                                                                                                           | Officer Commanding Civil Affairs Police.                                          |               |
| Inspector of Prisons.                                                                                                                                                                                                          | Officer Commanding Civil Affairs Prisons.                                         |               |
| Superintendent of Prisons.                                                                                                                                                                                                     | Superintendent of Civil Affairs Prisons.                                          |               |
| District Superintendent of Prisons.                                                                                                                                                                                            | District Superintendent of Civil Affairs Prisons.                                 |               |
| Gaoler.                                                                                                                                                                                                                        | Gaoler of Civil Affairs Prisons.                                                  |               |
| Warder.                                                                                                                                                                                                                        | Warder of Civil Affairs Prisons.                                                  |               |
| Sub-Wardict.                                                                                                                                                                                                                   | Sub-Warder of Civil Affairs Prisons.                                              |               |
| Matron.                                                                                                                                                                                                                        | Matron of Civil Affairs Prisons.                                                  |               |
| <b>POSTS AND TELEGRAPHS.</b>                                                                                                                                                                                                   |                                                                                   |               |
| Director-General of Posts and Telegraphs, Straits Settlements and Federated Malay States; the principal postal authority in each Malay State; the principal postal authority in each Malay State by whatever title designated. | Controller of Finance and Accounts and Deputy Controller of Finance and Accounts. |               |

## SECOND SCHEDULE.

(Section 4).

| Provisions of Federated Malay States Interpretation and General Clauses Enactment.                                                                               | Provisions of Straits Settlements Interpretation Ordinance. | Modifications and additions.                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| "export" with its grammatical variations and cognate expressions shall mean to take or cause to be taken out of the Federated Malay States by land, sea or air;  |                                                             | "export" with its grammatical variations and cognate expressions shall mean to take or cause to be taken out of the Malay Peninsula by land, sea or air;  |
| "import" with its grammatical variations and cognate expressions shall mean to bring or cause to be brought into the Federated Malay States by land, sea or air; | No provision.                                               | "import" with its grammatical variations and cognate expressions shall mean to bring or cause to be brought into the Malay Peninsula by land, sea or air; |
|                                                                                                                                                                  | No provision.                                               | "export" with its grammatical variations and cognate expressions shall mean to take or cause to be taken out of the Malay Peninsula by land, sea or air;  |
|                                                                                                                                                                  |                                                             | "import" with its grammatical variations and cognate expressions shall mean to bring or cause to be brought into the Malay Peninsula by land, sea or air. |

Signed this 22nd day of September, 1945.

M. C. DEMPSEY,

Lieut.-General.

General Officer Commanding Military Forces, Malaya.

**Annex 86**

**Singapore Colony Order in Council, 1946 (United Kingdom)**

## SINGAPORE

THE SINGAPORE COLONY ORDER IN COUNCIL, 1946.

**1946 No. 464**

At the Court at Buckingham Palace, the 27th day of March, 1946.

PRESENT,

The King's Most Excellent Majesty in Council.

Whereas by the Straits Settlements (Repeal) Act, 1946 (hereinafter referred to as "the Act of 1946"), it is (among other things) provided—

9 & 10  
Geo. 6. c. 37.

(1) that on such day as His Majesty may by Order in Council appoint (in the Act of 1946, and in this Order referred to as "the appointed day") the Straits Settlements Act, 1866, shall be repealed and the Straits Settlements, that is to say the settlements and dependencies mentioned in the Schedule to the Act of 1946 (which include among other settlements and dependencies, the Settlement of Singapore and its dependencies the Cocos or Keeling Islands and Christmas Island) shall cease to be a single Colony;

29 & 30  
Vict. c. 115.

(2) that on and after the appointed day the said settlements and dependencies shall be divided into such territories as His Majesty may by Order in Council direct and those territories shall be governed; either singly or in conjunction with such other territories (whether falling within the Schedule to the Act of 1946 or not) as may be specified in the Order and that such Order in Council may contain such consequential and other provisions as are contained in this Order; and

(3) that the British Settlements Acts, 1887 and 1945, shall apply in relation to each of the territories into which the said settlements and dependencies are divided by Order under this Act as if it were a British settlement as so defined;

50 & 51  
Vict. c. 54.  
9 & 10  
Geo. 6. c. 7.

And whereas by the Straits Settlements (Repeal) Order in Council, 1946(a), it is provided that the appointed day shall be the first day of April, 1946.

Now, therefore, His Majesty, by virtue and in exercise of the powers in that behalf by the Act of 1946 and by the British Settlements Acts, 1887 and 1945, or otherwise in His Majesty vested, is pleased, by and with the advice of His Privy Council, to order, and it is hereby ordered, as follows:—

### PART I.

#### PRELIMINARY.

1.—(1) This Order may be cited as the Singapore Colony Order in Council, 1946, and shall come into operation on the appointed day.

Short title  
and com-  
mencement.

(2) Section 13 and Parts IV and V of this Order shall not come into operation on the appointed day, but shall come into operation on such day or days respectively within six months from the appointed day as

(a) S.R. & O. 1946 No. 462, p. 1562 below.

may be fixed by the Governor by Proclamation in the Gazette, and the Governor may fix different days for different purposes and different provisions of that section and those Parts:

Provided also that the said period of six months may be extended by the Governor, by Proclamation in the Gazette, for such further period as may be approved by a Secretary of State.

Inter-  
pretation.

2.—(1) In this Order, unless the context otherwise requires—

“ the Chief Justice ” means the Chief Justice of the Colony;

“ the Colony ” means the Colony of Singapore as constituted by this Order;

“ the existing laws ” means the common law the doctrines of equity and all Acts of Parliament, Orders in Council, Ordinances of the Legislature of the Colony of the Straits Settlements, Proclamations issued by the Governor of the Straits Settlements, or by or under the authority of, the Supreme Allied Commander South East Asia (other than the Proclamations establishing the British Military Administration and delegating powers thereunder), and all Rules, Regulations and By-laws made thereunder and all other enactments or instruments having the force of law in the territory comprising the Colony or in any part thereof immediately prior to the appointed day, whether the same were administered by the British Military Administration or not;

“ the Gazette ” means the Official Gazette of the Colony;

“ the Governor ” means the Governor and Commander-in-Chief for the time being of the Colony and includes any officer for the time being administering the government thereof and, to the extent that a Deputy to the Governor is authorised to act, that Deputy;

“ the Governor in Council ” means the Governor acting after consultation with, but not necessarily in accordance with the advice of the Executive Council of the Colony; nor necessarily in such Council assembled; and, until section 13 of this Order is in operation, means the Governor;

“ Malayan Union Citizen ” means a citizen of the Malayan Union within the meaning of any Order in Council which may provide for Malayan Union citizenship.

“ prescribed ” means prescribed by any law made under this Order or by regulation made by the Governor under section 50;

“ property ” includes all property movable or immovable, and all estates, interests, easements and rights whether equitable, or legal, in, to or out of property, and things in action and rights to revenue, taxes, duties and other dues; and “ vested ” in relation to property includes rights to property which are contingent and rights in remainder or reversion;

“ the Public Seal ” means the public seal of the Colony and includes the official stamp mentioned in section 9 of this Order;

“ session ” means the sittings of the Legislative Council commencing when the Council first meets after being constituted under this Order, or after its prorogation or dissolution at any time, and terminating when the Council is prorogued or is dissolved without having been prorogued;



"the Settlement of Singapore" means the Island of Singapore and its dependencies, Christmas Island, the Cocos or Keeling Islands, and all islands and places which, on the fifteenth day of February, 1942, were known and administered as part of such Settlement, and the territorial waters adjacent thereto;

"sitting" means any sitting or sittings of the Legislative Council commencing when the Council first meets after being summoned at any time and terminating when the Council is adjourned *sine die* or at the conclusion of a session without adjournment; and "the Supreme Court" means the Supreme Court of the Colony.

(2) For the purposes of this Order, where reference is made to any public officer by the term designating his office, such reference means the officer for the time being discharging the functions of that office.

(3) For the purposes of this Order a person shall not be deemed to hold an office of emolument under the Crown in the Colony by reason only that he is in receipt of a pension or other like allowance in respect of service under the Crown.

If it shall be declared by any law for the time being in force in the Colony that an office shall not be an office of emolument under the Crown in the Colony for all or any of the purposes of this Order, this Order shall have effect accordingly as if such law were enacted herein.

(4) The Interpretation Act, 1889, shall apply for the interpretation of this Order as it applies for the interpretation of an Act of Parliament.

52 & 53  
Vict. c. 63.

3. The Island of Singapore and its dependencies, the Cocos or Keeling Islands and Christmas Island shall be governed and administered as a separate Colony and shall be called the Colony of Singapore.

Singapore  
to be a  
separate  
Colony.

## PART II.

### THE GOVERNOR AND EXECUTIVE COUNCIL.

4. There shall be a Governor and Commander-in-Chief (hereinafter called "the Governor") in and over the Colony, and appointments to the said office shall be made by Commission under His Majesty's Sign Manual and Signet.

Governor.

5. The Governor is hereby empowered and commanded to do all things that belong to his said office in accordance with this Order and such Commission as may be issued to him under His Majesty's Sign Manual and Signet and according to such Instructions as may from time to time be given to him under His Majesty's Sign Manual and Signet, or through a Secretary of State, and such Orders in Council and other laws as may from time to time be in force in the Colony.

Powers of  
Governor.

6. Every person appointed to fill the office of Governor shall, before entering on any of the duties of his office, cause the Commission appointing him to be Governor to be read and published at the seat of Government, in the presence of the Chief Justice or, in his absence, of some other Judge of the Supreme Court, and, if section 13 of this Order is in force, of such members of the Executive Council of the Colony as can conveniently attend; and shall take before them the Oath of Allegiance and the Oath for the due execution of the office of Governor in the forms set out in the First Schedule to this Order, which Oaths the Chief Justice or other Judge as aforesaid shall administer.

Publication  
of  
Governor's  
Commission  
and taking  
of oaths.

**Succession  
to Govern-  
ment.**

7.—(1) Whenever the office of Governor is vacant or the Governor is absent from the Colony or the Governor is from any cause prevented from, or incapable of, performing the duties of his office, then such person as His Majesty may appoint under His Sign Manual and Signet or if there is no such person in the Colony so appointed and capable of discharging the duties of administration, the Senior Member of the Executive Council then in the Colony and so capable, shall, during His Majesty's pleasure, administer the Government of the Colony, first taking in manner in this Order prescribed the Oaths directed by this Order to be taken by the Governor. Thereupon such person or Member is hereby empowered, subject, if he is so appointed as aforesaid, to the terms of his appointment, to do, during His Majesty's pleasure, all things that belong to the Office of Governor as provided in this Order:

Provided that the Governor or any person appointed as aforesaid shall not be regarded as absent from the Colony or prevented from or incapable of performing the duties of his office for the purposes of this Order, during his passage from one part of the Colony to another or during a visit to the Malayan Union or when there is a subsisting appointment of a Deputy under the next succeeding section of this Order.

(2) Any such person as aforesaid shall not continue to administer the Government after the Governor or some other person having a prior right to administer the same has notified that he is about to assume or resume the administration.

**Appoint-  
ment of  
Deputy to  
Governor.**

8.—(1) Whenever the Governor has occasion to be absent from the seat of Government but not from the Colony or to be absent from the Colony for a period which he has reason to believe will be of short duration or whenever by reason of illness which he has reason to believe will be of short duration he considers it desirable so to do, he may, by Instrument under the Public Seal, appoint any person resident in the Colony to be his Deputy during such absence or illness, and in that capacity to exercise and perform for and on behalf of the Governor during such absence or illness all such functions of the Governor as shall be specified in such Instrument.

(2) By the appointment of a Deputy as aforesaid the power and authority of the Governor shall not be abridged, altered, or in any way affected otherwise than as His Majesty may at any time direct, and every such Deputy shall conform to and observe all such instructions as the Governor shall from time to time address to him for his guidance.

(3) Any appointment under this section may at any time be revoked by the Governor or by a Secretary of State, and in case of absence as aforesaid, shall cease and determine upon the return of the Governor to the seat of Government or to the Colony, as the case may be.

**Public Seal.**

9. The Governor shall keep and use the Public Seal of the Colony for sealing all things that shall pass the said Seal. Until a Public Seal shall be provided for the Colony, an official stamp bearing the inscription "Colony of Singapore. Public Seal" may be used as the Public Seal.

**Grants of  
land.**

10. Subject to the provisions of any law for the time being in force in the Colony and of any Instructions from time to time given to the Governor under His Majesty's Sign Manual and Signet or through a Secretary of State, the Governor, in His Majesty's name and on His Majesty's behalf, may make and execute, under the Public Seal, grants and dispositions of any lands within the Colony which may be lawfully granted or disposed of by His Majesty.

11. Subject to the provisions of any law for the time being in force in the Colony and to any instructions from time to time given to him by His Majesty through a Secretary of State, the Governor, for cause shown to his satisfaction, may dismiss or suspend from the exercise of his office any person holding any public office within the Colony, or, may take such other disciplinary action as may seem to him desirable.

Suspension  
or dismissal  
of officers.

12. When any offence has been committed for which the offender may be tried within the Colony, the Governor may, as he shall see occasion, in His Majesty's name and on His Majesty's behalf, grant a pardon to any accomplice in such offence who shall give such information as shall lead to the conviction of the principal offender or any one of such offenders if more than one; and further may grant to any offender convicted of any such offence in any Court within the Colony, a pardon either free or subject to lawful conditions, or any respite either indefinite or for such period as the Governor may see fit, of the execution of any sentence passed on such offender and may remit the whole or any part of such sentence or of any penalties or forfeitures otherwise due to His Majesty.

Pardon.

13. There shall be an Executive Council for the Colony, and the said Council shall consist of such persons as His Majesty shall direct by Instructions under His Sign Manual and Signet or through a Secretary of State, and all such persons shall hold their places in the Executive Council during His Majesty's pleasure and, subject thereto, for such period and upon such conditions as may be specified in any such Instructions.

Establish  
ment of  
Executive  
Council.

### PART III.

### COURTS.

14.—(1) There shall be in and for the Colony a Court of unlimited civil and criminal jurisdiction to be called the Supreme Court. The Supreme Court shall be a Court of Record and may consist of a High Court and a Court of Appeal.

Supreme  
Court.

(2) There shall be a Chief Justice appointed by His Majesty by Letters Patent, or by the Governor by Letters Patent under the Public Seal in accordance with such instructions as he may receive from His Majesty through a Secretary of State, and as many Judges of the Supreme Court, appointed similarly or in manner prescribed, as may from time to time be required. The Chief Justice and Judges of the Supreme Court shall hold office during His Majesty's pleasure.

(3) The constitution, powers and procedure of the Supreme Court and provisions relating to appeals therefrom to His Majesty in Council and provisions relating to the qualifications, order of precedence, duties and powers of Judges, and appointment of temporary Judges, may, subject to the provisions of this Order, be prescribed by laws made under this Order.

15.—(1) Courts subordinate to the Supreme Court and Courts of special jurisdiction may be constituted by laws made under this Order.

Subordinate  
Courts.

(2) Provision may be made by such laws for the hearing and determining of appeals from any such Court by the Supreme Court or otherwise.

## PART IV.

## LEGISLATIVE COUNCIL.

Establishment of Legislative Council.

16.—(1) There shall be a Legislative Council in and for the Colony, constituted in accordance with the provisions of this Order.

(2) The Council shall consist of the Governor as President, four *ex officio* Members, and such Nominated Official Members, not exceeding seven, such Nominated Unofficial Members not exceeding two, and such Elected Members not exceeding nine as His Majesty shall direct by Instructions under His Sign Manual and Signet or through a Secretary of State.

*Ex officio* Members.

17. The *ex officio* Members shall be the Colonial Secretary, the Attorney General, the Financial Secretary and the President of the Municipal Commissioners.

Nominated Official Members.

18. The Nominated Official Members shall be persons holding office of emolument under the Crown in the Colony, and shall be appointed by the Governor by Instrument under the Public Seal in pursuance of His Majesty's Instructions through a Secretary of State.

Nominated Unofficial Members.

19. The Nominated Unofficial Members shall be British subjects or Malayan Union citizens of the age of twenty-one or upwards not holding office of emolument under the Crown in the Colony, and shall be appointed by the Governor by Instrument under the Public Seal in pursuance of His Majesty's Instructions through a Secretary of State.

Elected Members.

20. The Elected Members shall be British subjects of the age of twenty-one years or upwards, not holding any office of emolument under the Crown, qualified as voters under any prescribed provision, who, the prescribed person is satisfied, are able to speak, and unless incapacitated by blindness or other physical cause, to read and write, the English language with a degree of proficiency sufficient to enable them to take an active part in the proceedings of the Council. Elected Members shall be elected in the manner prescribed.

Disqualification for Unofficial Members.

21. No person shall be capable of being appointed or elected a Member of the Legislative Council or, having been appointed or elected, shall sit and vote therein, who at the time of appointment or election—

(1) is a person found or declared to be of unsound mind under any law in force in the Colony; or

(2) has, in any part of His Majesty's dominions or in any territory under His Majesty's protection, been sentenced to death or penal servitude or to imprisonment by whatever name called, for a term exceeding six months and has not either suffered the punishment to which he was sentenced or such other punishment as may by competent authority have been substituted therefor or received a free pardon; or

(3) is an undischarged bankrupt; or

(4) (a) in the case of a Nominated Unofficial Member is a party to, or a member of a firm or a director or manager of a company which is a party to, any subsisting contract with the Government of the Colony for or on account of the public service or is otherwise to his knowledge interested in any such contract and shall not have disclosed to the Governor the nature of such contract and his interest or the interest, or any such firm or company therein; or

(b) in the case of an Elected Member, is a party to, or a member of a firm, or a director or manager of a company which is a party to any subsisting contract with the Government of the Colony for or on account of the public service or is otherwise to his knowledge interested in any such contract and has not published within one month before the day of election, in the Gazette or in some newspaper circulating in the Colony, a notice setting out the nature of such contract and his interest or the interest of any such firm or company therein; or

(5) in the case of an Elected Member is disqualified for membership of the Council under any law for the time being in force in the Colony relating to offences connected with the election of Members.

22.—(1) Subject to the provisions of this Order, every Nominated Official Member or Nominated Unofficial Member of the Legislative Council shall hold his seat in the Legislative Council during His Majesty's pleasure. Tenure of  
office  
Members.

(2) Every Member shall in any case cease to be a Member at the next dissolution of the Legislative Council after his appointment or election, or previously if his seat shall become vacant under the provisions of this Order.

(3) The seat of a Member of the Legislative Council (other than an *ex officio* Member) shall become vacant—

(a) upon his death; or

(b) if he shall, without the leave of the Governor, be absent from two consecutive meetings of the Council; or

(c) if he shall cease to be a British subject; or shall take any oath, or make any declaration or acknowledgment of allegiance, obedience or adherence to any foreign power or State; or shall do, concur in or adopt any act done with the intention that he shall become a subject or citizen of any foreign Power or State; or

(d) if he shall be declared a bankrupt under any law in force in any part of His Majesty's dominions or in any territory under His Majesty's protection; or

(e) if in any part of His Majesty's dominions or in any territory under His Majesty's protection, he shall be sentenced to death, or imprisonment, by whatever name called, for a term exceeding six months; or

(f) if he shall be found or declared insane under any law in force in the Colony; or

(g) if he shall become disqualified for membership of the Council under any law or regulation for the time being in force in the Colony relating to offences connected with the election of Members; or

(h) if, being a Nominated Official Member, a Nominated Unofficial Member or Elected Member, he shall, by writing under his hand addressed to the Governor resign his seat in the Legislative Council; or

(i) if, being a Nominated Official Member, he shall cease to hold office of emolument under the Crown in the Colony; or

(j) if, being an Elected Member, he shall be appointed to or act in any such office or being a Nominated Unofficial Member he shall be appointed permanently to any such office; or

- (k) if he shall otherwise cease to possess qualification for election or appointment, as the case may be; or
- (l) if, being a Nominated Unofficial Member or Elected Member, he shall, without the approval of the Governor, become a party to, or if any firm in which he is a partner, or any company of which he is a director or manager, shall become a party to, or if he shall be otherwise interested in, any contract with the Government of the Colony for or on account of the Public service and shall not before the making of the contract have disclosed to the Governor the nature of such contract and his interest, or the interest of any such firm or company therein.
- (4) If a Nominated Unofficial Member of the Legislative Council shall be appointed temporarily to any office of emolument under the Crown in the Colony, or shall be appointed to act in any such office, he shall not sit or vote in the Legislative Council as an Unofficial Member so long as he continues to hold or to act in that office.
- (5) Any person vacating a seat as a Member of the Legislative Council may, if qualified, be again appointed or elected as a Member from time to time.
- (6) The Governor may, by Instrument under the Public Seal, declare any Nominated Official Member or Nominated Unofficial Member to be incapable of discharging his functions as a Member of the Council, and thereupon such Member shall not sit or vote in the Council until he is declared, in manner aforesaid, to be again capable of discharging his said functions.
- (7) The Governor may by Instrument under the Public Seal suspend any Nominated Official Member or Nominated Unofficial Member from the exercise of his functions as a Member of the Legislative Council. Every such suspension shall forthwith be reported by the Governor to His Majesty through a Secretary of State, and shall remain in force unless and until it shall be removed by the Governor by Instrument under the Public Seal or by His Majesty through a Secretary of State, or the person suspended ceases to be a Member of the Legislative Council.
- (8) All questions which may arise as to the right of any person to be or remain an Elected Member shall be determined in such manner as may be prescribed.
- (9) All questions which may arise as to the right of any person to be or remain a Nominated Official Member or Nominated Unofficial Member shall be referred to and decided by the Governor in Council, whose decision shall be final and shall not be called in question in any Court in the Colony.

**Temporary Members.**

23.—(1) Whenever there shall be a vacancy in the number of persons sitting in the Legislative Council, as *ex officio* Members, or Nominated Official Members or Nominated Unofficial Members, by reason of the fact that—

- (a) an *ex officio* Member is administering the Government of the Colony; or
- (b) one person is lawfully discharging the functions of more than one of the four officers specified in section 17 of this Order; or
- (c) no person is lawfully discharging the functions of one of those officers; or

- (d) a Nominated Official Member is lawfully discharging the functions of one of those officers; or
- (e) the seat of a Nominated Official Member or of a Nominated Unofficial Member is vacant for any cause other than a dissolution of the Council; or
- (f) a Member is unable to sit or vote in the Council in consequence of a declaration by the Governor, as provided in this Order, that he is incapable of discharging his functions as a Member; or
- (g) a Nominated Official Member or Nominated Unofficial Member is suspended from the exercise of his functions as a Member; or
- (h) a Member is absent from the Colony; or
- (i) a Nominated Unofficial Member is unable to sit or vote in the Council in consequence of his having been appointed temporarily to an office of emolument under the Crown in the Colony or to act in any such office;

the Governor may, by Instrument under the Public Seal, appoint a person to be a Temporary Member for the period of such vacancy.

(2) If the vacancy is in the number of persons sitting in the Council as *ex officio* Members or Nominated Official Members, the person appointed shall be a person qualified for appointment as a Nominated Official Member; and if the vacancy is in the number of persons sitting in the Council as Nominated Unofficial Members, the person appointed shall be a person qualified for appointment as a Nominated Unofficial Member.

(3) Every person appointed to be a Temporary Member under this section shall, as long as his appointment shall subsist, be to all intents and purposes—

- (a) in the case of a vacancy in the number of persons sitting in the Council as *ex officio* Members or Nominated Official Members, a Nominated Official Member;
- (b) in the case of a vacancy in the number of persons sitting in the Council as Nominated Unofficial Members, a Nominated Unofficial Member;

and, subject to the provisions of this section, the provisions of section 22 of this Order shall apply accordingly:

Provided that, in the case of a vacancy in the number of persons sitting in the Council as *ex officio* Members, the person so appointed shall not be regarded as a Nominated Official Member in computing the number of such Members for the purposes of sub-section (2) of section 16 of this Order.

(4) The Governor shall forthwith report every such temporary appointment to His Majesty through a Secretary of State. Any such appointment may (without prejudice to anything done by virtue thereof) be disallowed by His Majesty through a Secretary of State or revoked by the Governor by Instrument under the Public Seal.

(5) A temporary appointment under this section shall cease to have effect on notification by the Governor to the person appointed of disallowance by His Majesty or of revocation by the Governor or on supersession of the appointment by the definitive appointment of a person to fill the vacancy or when the vacancy shall otherwise cease to exist.

24. The Governor may summon to any meeting of the Legislative Council any person holding public office under the Crown in the Colony, Extra-ordinary Members.

notwithstanding that such person may not be a Member of the Council, when, in the opinion of the Governor, the business before the Council renders the presence of such person desirable. Any person so summoned shall be entitled to take part in the proceedings of the Council relating to the business in respect of which he is summoned as if he were a Member of the Council, except that he shall not have the right to vote in the Council.

Governor to  
preside.

25. The Governor, if present, shall preside at meetings of the Council, and, in his absence, such Member as the Governor may appoint or, in the absence of such Member, or if no Member be so appointed, the senior Member of Council actually present shall preside.

Quorum.

26. No business except that of adjournment shall be transacted by the Council if objection is taken by any Member present that there are present less than one quarter of the Members besides the Governor or other Member presiding.

Precedence  
of Members.

27.—(1) After the Governor the Members of the Council shall take precedence as His Majesty may specially assign and; if precedence be not so assigned, as follows:—

First, the *ex officio* Members in the order in which they are mentioned in section 17 of this Order;

Secondly, the Nominated Official Members appointed under section 18 of this Order, according to the priority of their appointments as Nominated Official Members, or, if appointed on the same day, in the order assigned by the Governor;

Thirdly, Nominated Official Members temporarily appointed under section 23 of this Order, according to the priority of their appointments or, if appointed on the same day, in the order assigned by the Governor;

Fourthly, the Nominated Unofficial Members and Elected Members according to the lengths of time during which they have been continuously Members of the Council: Members elected or appointed at the same time taking precedence among themselves as the Governor may assign.

(2) For the purposes of the preceding sub-section—

(a) when the Council is dissolved, Nominated Official Members and Nominated Unofficial Members appointed to fill vacancies caused thereby shall be deemed to have been appointed, and Members elected at the ensuing elections shall be deemed to have been elected by virtue of those elections, at the date on which the report of the first successful candidate for election is made to the Governor; and

(b) paragraph (a) of this sub-section shall apply to the Members elected or appointed to the Legislative Council as first constituted under this Order as if such elections or appointments were consequent upon a dissolution of the Council; and

(c) in ascertaining the period during which a person has continuously been an Elected Member or a Nominated Unofficial Member of the Council, no account shall be taken of any interval between the vacation by that person of his seat in the Council in consequence of a dissolution of the Council and the date of his re-election or re-appointment to fill a vacancy in the Council caused by that dissolution.



## PART V

## LEGISLATION AND PROCEDURE IN LEGISLATIVE COUNCIL

28. Subject to the provisions of this Order, it shall be lawful for the Governor, with the advice and consent of the Legislative Council, to make laws for the peace, order and good government of the Colony. Power to make laws.

29. Save as otherwise provided in this Order, all questions proposed for decision in the Council shall be determined by a majority of the votes of the Members present and voting. The Governor shall not have an original vote, but, if upon any question the votes shall be equally divided, he shall have a casting vote. In the absence of the Governor, the Member presiding shall have an original vote and also, if upon any question the votes shall be equally divided, a casting vote. Voting.

30.—(1) If the Governor shall consider that it is expedient in the interests of public order, public faith or good government that any Bill introduced or any motion proposed in the Council shall have effect, then if the Council fail to pass such a Bill or motion within such time and in such form as the Governor may think reasonable and expedient, the Governor, at any time in his discretion, may, notwithstanding any provisions of this Order or of any Standing Rules or Orders of the Council, declare that such Bill or motion shall have effect as if it had been passed by the Council, either in the form in which it was so introduced or proposed or with such amendments as the Governor shall think fit which have been moved or proposed in the Council or in any Committee thereof; and thereupon the said Bill or motion shall have effect as if it had been so passed, and, in the case of any such Bill, the provisions of this Order, relating to assent to Bills and disallowance of laws shall apply accordingly. Governor's reserved power.

(2) In this section the expression "public order, public faith or good government" shall without prejudice to their generality, include the following:—

- (a) the responsibility of the Colony as a component part of the British Empire, including foreign relations and relations with other parts of the British Empire;
- (b) all questions relating to defence, including provision, construction, maintenance and use of defence works, areas and communications;
- (c) subjects upon which, in the opinion of the Governor or of a Secretary of State, it is necessary to secure uniformity in Legislation between the Colony and the Malayan Union; and
- (d) all matters pertaining to the creation or abolition of any public office and to the appointment, salary or other conditions of service of any public officer or officers.

(3) The Governor shall forthwith report to a Secretary of State every case in which he shall make any such declaration as is mentioned in sub-section (1) of this section and the reason therefor.

(4) If any Member of the Legislative Council objects to any declaration made under this section, he may, within seven days of the making thereof, submit to the Governor a statement in writing of his reasons for so objecting and a copy of such statement shall, if furnished by such Member, be forwarded by the Governor as soon as practicable to a Secretary of State.

(5) Any such declaration, other than a declaration relating to a Bill, may be revoked by a Secretary of State, and the Governor shall notify such revocation in the Gazette; and from the date of such notification any resolution which shall have had effect by virtue of the declaration revoked shall cease to have effect and the provisions of sub-section (2) of section 38 of the Interpretation Act, 1889, shall apply to such revocation as they apply to the repeal of an Act of Parliament.

Assent to  
Bills.

31.—(1) No Bill shall become a law until either the Governor shall assent thereto in His Majesty's name and on His Majesty's behalf, and shall sign the same in token of assent, or His Majesty shall give his assent thereto through a Secretary of State.

(2) When a Bill is presented to the Governor for his assent, he shall, according to his discretion, but subject to the provisions of this Order and of any instructions addressed to him under His Majesty's Sign Manual and Signet or through a Secretary of State, declare that he assents or refuses to assent thereto, or that he reserves the Bill for the signification of His Majesty's pleasure.

(3) A law assented to by the Governor shall be published in the Gazette and shall come into operation on the date on which such assent shall be given, or, if it shall be enacted either in the law or in some other enactment (including any enactment in force at the commencement of this Order) that it shall come into operation on some other date, on that date.

(4) A Bill reserved for the signification of His Majesty's pleasure shall become a law so soon as His Majesty shall have given His assent thereto, through a Secretary of State, and the Governor shall have signified such assent by Proclamation in the Gazette. Every such law shall come into operation on the date of such Proclamation or, if it shall be enacted either in the law or in some other enactment (including any enactment in force at the commencement of this Order) that it shall come into operation on some other date, on that date.

Disallow-  
ance of  
laws.

32.—(1) Any law to which the Governor shall have given his assent may be disallowed by His Majesty through a Secretary of State.

(2) Whenever any law has been disallowed by His Majesty, the Governor shall cause notice of such disallowance to be published in the Gazette.

(3) Without prejudice to anything lawfully done thereunder, every law so disallowed shall cease to have effect as soon as notice of such disallowance shall be published as aforesaid. Thereafter any enactment repealed or amended by such law shall have effect as if such law had not been made, but save as aforesaid, the provisions of sub-section (2) of section 38 of the Interpretation Act, 1889, shall apply to such disallowance as they apply to the repeal of an Act of Parliament.

Royal In-  
structions.

33. Subject to the provisions of this Order, the Governor and the Council shall, in the transaction of business and the passing of laws, conform as nearly as may be to the directions contained in any Instructions under His Majesty's Sign Manual and Signet which may from time to time be addressed to the Governor in that behalf.

Standing  
Orders.

34. Subject to the provisions of this Order and of such Instructions as aforesaid, the Council may, from time to time, make, amend and

revoke Standing Rules and Orders for the regulation and orderly conduct of its own proceedings and the conduct of business and for the passing, intituling and numbering of Bills, and for the presentation of the same to the Governor for his assent, but no such Rules or Orders shall have effect unless and until they shall have been approved by the Governor.

35. The official language of the Council shall be English.

Official language.

36. Except for the purpose of enabling this section to be complied with, no Member shall sit or vote in the Council until he shall have taken and subscribed before the Governor, or some person authorised by the Governor in that behalf, the Oath of Allegiance in the form set out in the First Schedule to this Order:

Oath of Allegiance.

Provided that every person authorised by law to make an affirmation instead of taking an oath in legal proceedings may make such affirmation in like terms instead of the said oath.

37. Subject to the provisions of this Order and of the Standing Rules and Orders of the Council, any Member may introduce any Bill or propose any motion for debate in, or may present any petition to, the Council, and the same shall be debated and disposed of according to the Standing Rules and Orders:

Introduction of Bills.

Provided that, except with the recommendation or consent of the Governor signified thereto, the Council shall not proceed upon any Bill, amendment, motion or petition, which, in the opinion of the Governor or of the presiding Member would—

(a) dispose of, or charge any public revenue or public funds of the Colony, or revoke or alter any disposition thereof or charge thereon, or impose, alter, or repeal any rate, tax or duty: or

(b) suspend the Standing Rules and Orders of the Council or any of them.

38.—(1) The sessions of the Legislative Council shall be held at such times and places as the Governor shall from time to time by Proclamation appoint.

Sessions of Legislative Council.

(2) There shall be a session of the Council once at least in every year, so that a period of twelve months shall not intervene between the last sitting in one session and the first sitting in the next session.

39.—(1) The Governor may, at any time, by Proclamation, prorogue or dissolve the Legislative Council.

Prorogation and dissolution.

(2) On dissolution, all Members shall vacate their seats and the Council shall be reconstituted by election and appointment in accordance with the provisions of this Order at such time within three months of the dissolution, as the Governor shall by Proclamation appoint.

PART VI

TRANSITIONAL PROVISIONS

40.—(1) Until such time as section 13 and Parts IV and V of this Order shall come into operation, it shall be lawful for the Governor to make laws for the peace order and good government of the Colony.

Governor may make laws.

(2) In making such laws the Governor shall consult the Advisory Council.

(3) Section 32 of the Order shall apply to any law made under this section as it applies to a law assented to by the Governor.

**Advisory Council.**

41.—(1) There shall be an Advisory Council which shall consist of the Colonial Secretary, the Attorney General, the Financial Secretary and such other persons as the Governor may by Instrument under the Public Seal, appoint; and such persons shall hold their places in the said Council during the Governor's pleasure.

(2) The Governor alone shall be entitled to submit questions to the Advisory Council for their advice. The Governor may act in opposition to the advice given to him by the Members of the Advisory Council if he shall in any case deem it right so to do. In such case, it shall be competent to any Member of the Advisory Council to require that there be recorded on the Minutes any advice or opinion he may give upon the question and the grounds therefor.

(3) The Governor may regulate the procedure and practice of the Advisory Council in such manner as he shall see fit.

(4) The Governor may, by Proclamation in the Gazette, declare that this section shall cease to have effect, and thereupon this section shall cease to have effect accordingly on the date specified in the Proclamation.

**Continuance of existing laws.**

42.—(1) Subject to the provisions of this Order, the existing laws shall, except in so far as the same shall, in their application to the Colony or any part thereof be repealed, amended or otherwise affected by or under any Act of Parliament, Order of His Majesty in Council or any law made under the provisions of this Order, continue to have effect in the Colony or in that part thereof to which such law applied prior to the appointed day, but shall be construed subject to such modifications as may be necessary to bring them into conformity with the provisions of this Order.

(2) Without prejudice to the generality of the foregoing sub-section, the existing laws shall, except as aforesaid, in their application to the Colony, be construed, where the context admits, subject to the following modifications:—

(a) references to the Colony of the Straits Settlements shall be construed as referring (but not exclusively) to the Colony;

(b) references to the Settlement of Singapore shall be construed as references to the Colony;

(c) references to the Governor or Governor in Council, or to any officer of the Colony of the Straits Settlements, or to any officer of, or authority or body constituted in or for, the Straits Settlements, shall be construed as references to the Governor or Governor in Council, or to the corresponding officer of, or authority or body constituted in or for the Colony, as the case may be; and

(d) references to the Chief Justice or to any Court, Judge or Magistrate of the Straits Settlements shall be construed as references to the Chief Justice or to the corresponding Court, Judge or Magistrate of the Colony.

(3) The adaptations and modifications specified in the second column of the Second Schedule to this Order shall be made in the enactments mentioned in the first column of that Schedule.

43. Subject to the express provisions of this Order, nothing in this Order shall effect the validity or future operation of any lawful act done by any person or authority before the appointed day in any territory comprised in the Colony.

Validity of previous acts.

44. All proceedings other than proceedings in the Prize Court commenced before the 15th day of February, 1942, in any Court of Justice in or having jurisdiction in, the territory comprised in the Colony may be carried on in like manner as nearly as may be, as if this Order and the Act of 1946 had not been made or passed but in the corresponding Court of the Colony, and any such proceeding may be amended in such manner as may appear necessary or proper in order to bring it into conformity with the provisions of the Act of 1946 and of this Order.

Pending proceedings.

45. Courts constituted for the Colony shall have within their respective powers, jurisdiction with respect to all offences (including offences against Proclamations issued by, or under the Authority of the Supreme Allied Commander, South East Asia) and causes of action (other than matters of Prize) committed or arising before the appointed day for which the accused might have been tried, or proceedings might have been had, within the Settlement of Singapore under the law (including the provisions of any such Proclamation) in force in the Straits Settlements prior to the appointed day, and such jurisdiction shall be exercised in conformity with the law applicable in the Settlement of Singapore at the date when the offence was committed or the cause of action arose and in accordance, as nearly as may be, with the procedure in force in Courts constituted under this Order.

Crimes committed and causes of action arising prior to the appointed day.

46. Military Courts established in the Settlement of Singapore by the British Military Administration by virtue of any Proclamation made by, or under the authority of, the Supreme Allied Commander, South East Asia, in which proceedings have been commenced and are pending at the date hereof shall be deemed to be lawfully constituted Courts with jurisdiction to continue and conclude such proceedings and to issue warrants for the custody of prisoners and the carrying out of sentences in accordance with such Proclamation, after the appointed day. The powers and functions of a confirming authority or reviewing authority under any such Proclamation may be exercised by such person or persons as the Governor shall designate in that behalf.

Military Courts.

47.—(1) In this section—

(i) " Straits Settlements property " means property which, immediately before the appointed day, was vested in, or was in the possession, or under the control, or held on account, of His Majesty, or the Government of the Straits Settlements, or any officer of such Government, for any of the purposes of that Government.

Transfer of Straits Settlements property.

(ii) Any reference to property vested in any person or authority shall be construed as including a reference to any property in the possession, or under the control, or held on account, of that person or authority; and any direction that property shall be vested in any person or authority shall likewise be construed as including a direction, as the case may require, that the possession or control of property shall be transferred to, or that property shall be held on account of, that person or authority.

(2) Save as in this section otherwise provided, all Straits Settlements property which was immediately before the appointed day, either—

- (a) immovable property situate in the Settlement of Singapore; or
- (b) vested solely for a purpose of the Government of the Straits Settlements which will, after the appointed day, be a purpose of the Government of the Colony;

shall vest in His Majesty or in the appropriate officer of the Government of the Colony, or in the person or body prescribed under sub-section (6) of this section, as the case may be, for the purposes of the Government of the Colony.

(3) Save as in this section otherwise provided, any Straits Settlements property which was, immediately before the appointed day, vested for any purpose of the Straits Settlements Government common to the Settlement of Singapore and to any other territory or territories formerly included in the Straits Settlements; but not included in the Colony, shall vest in His Majesty or in the person or body prescribed under sub-section (6) of this section but shall be apportioned between the Colony and any such territory by agreement between the Governor and the Governor of such territory with the approval of a Secretary of State; or, in default of such agreement, shall be apportioned by order of a Secretary of State. Any such agreement or order may contain provision for the assessment of values, for the perfecting of any transfer of property mentioned therein, and for financial and other adjustments, and may contain such other provisions as may be considered necessary or expedient for carrying the apportionment into effect.

(4) Any Straits Settlements property apportioned to the Colony under sub-section (3) of this section shall be vested in His Majesty, or the appropriate officer of the Government of the Colony, or the persons or body prescribed under sub-section (6) of this section, as the case may be, for the purposes of the Government of the Colony; and the Governor may make such vesting or other orders as may be necessary for carrying the provisions of this section into effect, and for such purpose may appoint and empower persons to transfer property.

(5) Notwithstanding the foregoing provisions of this section, any property which, immediately before the appointed day was vested in the Ruler of any of the Malay States, for any of the following purposes, shall continue to be vested in the Sultan of the State for the same purposes, that is to say:

- (a) any property held by, or in trust for, or for the benefit of a Ruler for his official or personal use; or
- (b) any building or land used for purposes of the Muhammadan religion, or property pertaining to the endowment of Muhammadan religious institutions:

Nothing in this section shall affect the use or enjoyment of any property vested in a Ruler or in His Majesty for any of the said purposes.

(6) The Governor may make regulations for determining, in cases of doubt, the person or body in whom property affected by this section shall be vested, and generally for giving effect to this section, and may by order, exclude any particular property from the operation of this section, or declare, for the removal of doubt, whether, and in what manner, any particular property is affected thereby.

48.—(1) All liabilities incurred by or on behalf of the Government of the Straits Settlements for any of the purposes of such Government (other than liabilities incurred solely for a purpose which will, after the appointed day, be a purpose of the Government of any territory formerly included in the Straits Settlements, but not included in the Colony) shall be deemed to have been incurred by or on behalf of the Government of the Colony.

Transfer of  
Straits  
Settlements  
liabilities.

(2) Without prejudice to the generality of the foregoing sub-section:—

(a) Such liabilities shall include claims in respect of Loans and War Savings Certificates issued, and Post Office Savings Bank deposits received, by the Government of the Straits Settlements.

(b) Claims to pensions, gratuities and other like allowances in respect of service under the Government of the Straits Settlements before the appointed day, whether arising before or after that day, shall be liabilities deemed to have been incurred by or on behalf of the Government of the Colony.

(3) It shall be lawful for the Governor, with the approval of a Secretary of State, to make, vary, rescind and carry into effect, arrangements with the Government of any territory formerly included in the Straits Settlements, but not included in the Colony, for the payment by the Government of that territory to the Government of the Colony, of proportionate contributions towards the sums necessary to defray the liabilities of the Government of the Straits Settlements transferred by this Order to the Government of the Colony including liabilities for the service and repayment of Loans and War Savings Certificates issued, Post Office Savings Bank deposits received, and pensions, allowances and gratuities payable, by the Government of the Straits Settlements.

(4) Claims in respect of liabilities deemed, by virtue of this section, to have been incurred by or on behalf of the Government of the Colony which, if the Act of 1946 had not been passed and this Order had not been made, might have been enforced against His Majesty in His Government of the Straits Settlements, or against any officer of such Government in his official capacity or against any department of such Government, in connection with the administration of the Straits Settlements, may be enforced, in such manner as may be prescribed by laws for the time being in force or by regulations made by the Governor under sub-section (5) of this section, against His Majesty in His Government of the Colony or against the appropriate officer of that Government, as the case may be.

(5) The Governor, with the approval of a Secretary of State, may make regulations for determining in any case of doubt the person or body by or against whom claims may be enforced under this section and generally for giving effect thereto.

49. The provisions of sections 42 to 48 inclusive of this Order may be amended by laws made under Part V or under section 40 of this Order.

Power to  
amend this  
Part.

## PART VII.

### MISCELLANEOUS.

50.—(1) Provision may be made by laws made under this Order, and, until such provision has been made, by regulations made by the Governor, regulating any matter which by this Order or by Instructions under His Majesty's Sign Manual and Signet is to be prescribed.

Provisions  
necessary to  
give effect  
to this  
Order.

(2) In particular and without prejudice to the generality of the foregoing sub-section, provision may be made regulating the election to the Legislative Council of Elected Members, including provision for regulating any of the following matters; that is to say:—

- (a) the persons, associations or bodies by whom Members are to be elected;
- (b) the holding of elections;
- (c) the qualifications of voters;
- (d) the registration of voters;
- (e) the ascertainment of the qualifications of voters and candidates;
- (f) offences in relation to elections including the trial and punishment thereof;
- (g) the disposal of election petitions and the determination of questions otherwise arising regarding membership of the Council.

(3) Such regulations shall be published in the Gazette; and thereafter every such regulation shall take effect on the day of publication or on such other date as may be therein specified and shall have the force of law.

Unqualified persons sitting or voting. Penalty.

51.—(1) Any person who—

- (a) having been elected or appointed a Member of the Legislative Council, but not having been, at the time of such election or appointment, qualified to be so elected or appointed, shall sit or vote in the Legislative Council; or
- (b) shall sit or vote in the Legislative Council after his seat thereon has become vacant or he has become disqualified from sitting or voting therein;

knowing, or having reasonable grounds for knowing, that he was so disqualified, or that his seat has become vacant, as the case may be, shall be liable to a penalty not exceeding two hundred dollars for every day upon which he so sits or votes.

(2) The said penalty shall be recoverable by action in the Supreme Court at the suit of the Attorney General.

Vacancies not to disqualify.

52. No Council constituted by this Order shall be disqualified from the transaction of business by reason of any vacancy among the Members, or by reason of the sitting or voting therein of any unqualified or disqualified person.

Retro-spective effect of laws.

53. For the avoidance of doubts it is hereby declared that any law or regulation made under this Order may be made to operate retrospectively to any date.

Labuan.

54. Until other provision shall be made for the government and administration of the Settlement of Labuan and its Dependencies (in this section referred to as "Labuan") Labuan shall be a part of the Colony, and this Order shall have effect in all respects as if the Colony included Labuan:

Provided that the provisions of this Order shall not come into operation in Labuan until such day or days as the Governor may by Order appoint and the Governor may fix different days for different purposes and different provisions of this Order; and the Governor may by Order make such adaptations and modifications as the Governor may seem expedient, in the said provisions in their application to Labuan(a).

(a) For revocation of section 54, see S.R. & O. 1946 No. 1084, p. 1182 above.



55.—(1) If any difficulty shall arise in bringing into operation any of the provisions of this Order or in giving effect to the purposes thereof, a Secretary of State may, by Order, make such provision as seems to him necessary or expedient for the purpose of removing the difficulty and may by such Order amend or add to any provision of this Order: Removal of difficulties.

Provided that no Order under this section shall be made later than the first day of January, 1948.

(2) Any Order under this section may be amended, added to, or revoked by further Order, and may be given retrospective effect to a day not earlier than the appointed day.

56. Nothing in this Order shall affect the power of His Majesty in Council to make laws from time to time for the peace, order and good government of the Colony. Power reserved to His Majesty.

E. C. E. Leadbitter.

FIRST SCHEDULE

OATH OF ALLEGIANCE.

(Sections 6 and 36).

I, ....., do swear that I will be faithful and bear true allegiance to His Majesty King George VI, His Heirs and Successors, according to Law. So help me God.

OATH FOR THE DUE EXECUTION OF THE OFFICE OF GOVERNOR.

I, ....., do swear that I will well and truly serve His Majesty King George VI, His Heirs and Successors, in the Office of Governor. So help me God.

THE SECOND SCHEDULE.

(Section 42 (3)).

Adaptation of Acts of Parliament.

| <i>Title of Act.</i>                                                            | <i>Adaptation.</i>                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. The Straits Settlements Offences Act, 1874.                                  | 37 & 38 Vict. c. 38. 1. The Act shall have effect as if the word "territories" were substituted for the word "Colony" wherever such last mentioned word occurs; and the territories of the Straits Settlements (in the Act called the colony of the Straits Settlements) shall be deemed to include (among other territories) the Colony of Singapore. |
| 2. The Straits Settlements and Johore Territorial Waters (Agreement) Act, 1928. | 18 & 19 Geo. 5. c. 23. 2. The Act and the agreement scheduled thereto shall have effect as if the words "the Colony of Singapore" were substituted for the words "the Straits Settlements" and for the words "the Settlement of Singapore" wherever such words occur.                                                                                  |

## **Annex 87**

**Selected Entries from the Horsburgh Lighthouse Visitors  
Logbook (including transcriptions)**

(Page 3)

15<sup>th</sup> November 1946, 6.45 pm

I landed at Horsburgh Lt. House accompanied by Mr. L. Coulson, Marine Dept. Engineer and carried out inspection of the station.

There is much evidence of neglect, roofing of outhousing is in some cases missing, all roofs are leaking, guttering, so essential for the supply of water, is broken, rusted and many lengths missing.

The block joints of the tower itself are open in many places, the cement having come away. This is an urgent matter and should be repaired as soon as possible.

The foundation and lower courses of the tower should be most carefully examined both for cracking and the opening of joints.

The woodwork, doors and windows, is rotten and broken in many places and should be repaired as soon as possible to prevent the entry of rain water. The ironwork around the lightroom is corroded and in parts, requires replacement. All ironwork should be carefully sealed and painted.

Both exterior and interior of the whole station should be painted.

The crew is well and do not have any complaints or requests they have received the post war issue of five yards of khaki but have not yet had an issue of uniform. The lightkeeper has been instructed to enquire about uniform on his next return to Singapore.

(Signed)

Ag Depy. Master attendant

15-11-1946

Seen. I have spoken w the D.P.W. an officer from his dept will probably accompany the reliefs on 27.11.46.

(Signed)

M.A., 16.11.46

(Page 4)

3<sup>rd</sup> May 1947

Visited with Ex. Eugo. Marine (Mr. E. M. Osborne) inspected with a view to extensive repairs and improvement of civic quarters, jetty and main shafts.

(Signed)

Ag D.P.W.

22<sup>nd</sup> June 47

Arrived Horsburgh at 6 a.m. to take measurements of Tower windows and to report on progress of the construction of the pier.

(Signed)

T.A. P.W.D.

5<sup>th</sup> July 1947

Arrived Horsburgh at 6 am to inspect Pier Construction \_\_\_\_.

(Signed)

Express Engineering Co.

\_\_\_\_ 1947

Landed at 0700 for inspection of Lt. Ho. with Mr Coulson P.W.D. workmen in residence and Pier nearing completion. Interior not too clean, requires lime washing, and large numbers of flies in work room. No complaints from crew.

(Signed)

D.M.A. 1\_\_\_\_/7/47

\_\_\_\_ July

Landed at 6.30am. To inspect Pier for completion.

(Signed)

E.E. Marine

\_\_\_\_ August

Landed at 3pm with twakow loaded with bricks, sand, rails etc. Left Horsburgh at 4.30pm.

(Signed)

H.A. Marine

\_\_\_\_ August

Landed by M.L. Osprey with 200 tins of water at 7.30am. Left at 12.30pm for Singapore. Twakow sunk on noon of 26<sup>th</sup> August due to westerly squall. Life boat badly damaged on rocks.

(Signed)

T.A. Marine

(Page 7)

9<sup>th</sup> May 1948

Inspected new additions. With few exceptions everything in order.

(Signed)

EE(M)

24<sup>th</sup> May 1948

Kassim Bin Ali \_\_\_ sustained multiple injuries to the head and body and limbs by fallg. from rock down to another rock at about 1130am. \_\_\_ \_\_\_ later to hospital. Has lost some blood.

(Signed)

Landed at 5pm Lighthouse time.

Left at 5.20pm " "

30<sup>th</sup> May

Landed 11.20 from M.L. "Mary Rose". All in order. Lighthouse keeper complains as to ration \_\_\_ and asks for restoration \_\_\_ \_\_\_ scale.

Lunched on the rocks: then left for Singapore.

(Signed)

Colonial Secretary

June 20, 1948

Visited with two Sanitary Inspectors to investigate the unusual prevalence of flies on the rock. Found breeding places in garbage and refuse trapped between rock crevices. Advised L.H. Keeper to clear these accumulations and in future to throw all refuse clean off the rock. Refuse brought in by tides to be dislodged as soon as possible.

(Signed)

N.O. Rural, Singapore

July 10<sup>th</sup> 1948

Landed by Lady Clifford 2.30pm with the mechanic on quarterly inspection. All well.

(Signed)

(Page 11)

28 June

Visited on inspection of works to be carried out to foundation of pier and extension of water tank capacity. Minor maintenance repairs required.

(Signed)

E.E.M. P.W.D.

8<sup>th</sup> July

Landed at 7a.m. to inspect progress of work on water tank and foundation. Tonkang of stone sank at 8.30am due to westerly squall. All stone from sunken tonkang recovered. Left Horsburgh at 4p.m.

(Signed)

T.A. PWD Marine

19<sup>th</sup> July 1950

Landed at 7.20am for quarterly inspection. P.W.D. workman busy on pier. Clockwork machinery tested - timing correct. Crew in good health. No complaints. Quarters clean and tidy.

(Signed)

M.D.E.

19<sup>th</sup> July 1950

Visit by Telecoms - re fitting of radio telephone.

(Signed)

3<sup>rd</sup> Aug

Visit by Telecoms to install Radio Telephone

(Signed) 3/8

28 Aug 50

Landed 7am inspection of departmental work. Water tank completed. Work on pier delayed due to lack of low tides.

(Signed)

E.E. Marine, PWD

(Page 14)

28/6/51

Inspected with Mr Jensen of the East Asiatic Co regarding the painted surface of the tower and quarters. Left at 9.20am.

(Signed)

P.W.D. Marine

17/7/51

Visit by Telecoms Dept. Charging Unit replaced by a new one. Tested H16 on 160 mc/s.

(Signed)

for Telecoms Dept.

21/8/51

Visit by Telecoms Dept. Charging Unit faulty – replaced. H16 on police frequency replaced by H16 of Customs' frequency (160.2-165.2 mc/s). Aerial changed to that of correct frequency.

(Signed)

Telecoms Dept

7<sup>th</sup> Sept. 1951

Landed at 1100. Mechanism and wireless set tested and found correct. A plentiful supply of water reported.

Crew \_\_\_ and no complaints tendered.

Generator in working order.

(Signed)

Deputy Master Attendant

(Page 19)

28/10/52

Visited Horsburgh Lighthouse changed TX and RX and checked all equipment all in good working order.

(Signed)

Telecoms Dept.

2/11/52

Visited Light to collect P.W.D. labourer and make general inspection. Noted several minor works to be carried out.

(Signed)

A.E.M.

18/11/52

Visited Horsburgh Light (2 in party) for the purpose of examining the structure as to its possible fitness for naval requirements.

(Signed)

CEMC Dept.

Admiralty

28/11/52

Visited Lighthouse to find site for recording raingauge. Propose to ask approval to place gauge in corner of flat roof over quarters.

(Signed)

Malayan Meteorological Service

20-2-53

Visited lighthouse and replaced VHF equipment. Old sets returned to CRRS for service. Left same day.

(Signed)

Telecoms

17.3.53

Visited Lighthouse in connection with repairs to lightning protection.

(Signed)

G.E.E. PWD



(Page 21)

28/5/53

Installed Rain Gauges. Meteorological Dept.  
(Signed)

9/6/53

Landed at 2p.m. and explained to Contractor the method of laying the rock roofing to the concrete roof. Departmental men replacing damaged angle iron runners round the parapet wall of lantern room. Left at 4p.m.

(Signed)

P.W.D. Central & Marine

17-6-53

Landed at 7a.m. for quarterly inspection. Mechanism tested - Timing correct. R/T set and radio reported in good order. Crew in good health and had no complaints.

(Signed)

Eng: Marine Dept

22/6/53

Landed 7.30 am. Inspected work of contractor who has carried out rock roofing. General inspection of our buildings and jetty.

(Signed)

A.E.M., PWD

28/6/53

Visited L.H and checked VHF equipment. Check calls with Imm. Off. and C.P. Signals 5/5.

(Signed)

Telecoms

28/6/53

Visited L.H. and checked Rain-gauges. O.K.

(Signed)

13/7/53

Landed at 7.30am with departmental men, and showed them nature of work to be carried out.

(Signed)

P.W.D. Central & Marine

(Page 23)

28-9-53

Visited. Autographic and Check gauges are OK. Instructions for taking care of instruments given to officer l/c (100 charts supplied).

(Signed)

28.9.53

Visited L.H. Changed VHF sets.

(Signed)

Telec.

28-10-53

Visited LH - changed VHF sets.

(Signed)

Telecoms

28-10-53

Visited. Instruments O.K.

(Signed)

Met. Office

28.11.53

Visited. Both gauges in good condition.

(Signed)

Met. Office

9/1/53 (sic)

Landed 5.45pm. routine inspection for PWD. Maintenance required noted.

(Signed)

A.E.K.B.

5-4-54

Visited L.H. to repair boat davit with departmental men.

(signed)

Overseer P.W.D.

9.4.54

Visited LH. Yagi aerial erected and set tested. Reception from CRRS & P.O R5. Installation and feeder checked and necessary adjustments made where required.

(Signed)

## Telecoms

13.4.54

Landed 7am to inspect roofs, boat davit repairs and pick up departmental labour.

(Signed)

A.E.K.B.

11.5.54

Landed at 7a.m. with contractors, to show round and explain the nature of work to be carried out.

(Signed)

T.A. Marine

(Page 36)

19/3/59

Changed R/T set. Tested with Paya Lebar w/shop. ok.  
(Signed)  
Telecoms

19/3/59

Arrived 6<sup>th</sup> Mar 1959. Installed 1 AD501 and accessories.  
(Signed)  
Marconi W.T. Co. Ltd.

31/3/59

Visited to contact Light-housekeeper and held discussion re Operation Pergam.  
(Signed)  
Co. C. Pier Customs

11.4.59

Landed @ approx 0815 in company with Mr Sandy SEE, Marine P.W.D. & M.D.E.  
Routine half yearly inspection. Quarters & lantern room clean & tidy. No complaints.  
(Signed)  
D.M.A.

15-4-59

Landed 1200 hrs. Routine inspection with Chief Engineer. Left 1300 hrs.  
(Signed)  
SEE (M&D)

28-4-59

Landed at 7.00am: To erect the Boat Davit. Completed the work on the 29-4-59  
at 11.30am. Left for Singapore at 11.45am.  
(Signed)  
AEM

(Page 40)

17/8/59

Landed at 12.05pm. Inspected painting to tower. Taking both contractor's painters back to Singapore - one of them unwell. One painter to return on 19/8/59 for final touching up of paintwork.

(Signed)

T.A. P.W.D. Marine

20/8/59

Landed at 12.40noon. Repainting of Tower completed satisfactory.

(Signed)

T.A. P.W.D. Marine

20/8/59

Landed at 12.40. Radar reflector fitted satisfactory. Bearing plate replaced.

(Signed)

A.P.O.

20/8/59

Landed at 1250 hrs on 19/8. Adjustments to radar reflectors carried out. Stayed overnight. Departed 1430 hrs. Launch in use "Berkas".

(Signed)

Asst M.D.E.

26/8/59

"Inspection"

Landed at 0700 Lt. with Marconi, Lester and Telecoms Dept. Back at 0820 Lt.

(Signed)

26/8/59

Landed at 1100 hrs in connection with "Operation Pergam". Met keeper G. Childs and had discussions with him.

Left at 1200 hrs.

(Signed)

C.O. Harbour Div.,

Customs

(Page 42)

8/10/59

Landed at Horsburgh Light at 1140 Lt with Mr Leong to test on R/T set with bell system.

(Signed)

8/10/59

Landed on Horsburgh with Assist. Engineer and wireman from Harrison Leslie to check gen. No. 2. Inspection discloses a crack cylinder head. Gen No. 2 will be out of action until new head arrive from S'pore. No spares at all for these two diesel engines at Lighthouse. What a state of affairs.

(Signed)

Engineer, Marine Dept.

8/10/59

Sets taken to Horsburgh are No. AH015 & AH0.19 plus a central unit. 1410 left from Horsburgh back to S'pore.

(Signed)

Telecoms Dept.

10 pm 12<sup>th</sup> October 1959

Visited on Operation "Pergam" with SEO Docks, Mr Lai Peng Yee, Co Anthony & Customs Lt. Gay. Delivered Pergam Memorandum for Mr Veerasamy. 10.30pm departed.

(Signed)

Senior Custom Officer, Horsburgh  
Customs Singapore

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17.10.61

Arrived 07.30, left 0845 with M.D.E. Mechanism of light checked. Timing correct. All well. Took away one man who apparently swam to the light three nights ago, & appears mentally deficient.

(Signed)

Ag DMA

21.10.61

Arrived 0730 left 0930. Assessing and inspecting inventory of assets.

(Signed)

27.10.61

Arrived at 0630 Lt. Checked Beacon meter reading ok. Tx/Rx replaced. Contacted Coastguard ok. Aerial checked with reflectometer ok.

(Signed)

28/11/61

Arrived at 0600 hrs for the monthly routine of the checking of the RT and MF Beacon. RT tested ok; replaced 4 U19 in the Beacon. Beacon coding good.

(Signed)

28/11/61

Peter Robinson Film Productions unit arrived at 6.30 am. All well and filming as best we can in the driving rain.

(Signed)

29-1-62

Landed at 0740 hrs. Weather very rough. Only keeper and self made the landing, and return trip made by lighthouse hand. Further attempt to land abandoned owing to outboard motor failure. Work carried out as usual.

(Signed)

26.2.62

Telecoms arrived to check Beacon and R/T set. Replaced aerial insulation. Rt/Rx replaced.

(Signed)

(Page 63)

28/12/62

Arrived for routine check. Replaced set, tested ok with Reflector Light. Beacon working normal. Battery ok.

(Signed)  
Telecoms

11/1/63

Arrived at 1300 Lt. Reason due to Beacon aerial current low. Replaced 2GXU50 & U52. Tuned back to normal ok.

(Signed)  
Telecoms Dept.

20-3-63

Arrived 0900, left 1430. Observed main angles for Singapore Straits survey (Pengerang Bkt Ayam etc).

(Signed)  
HMS Dampies

23.3.63

Arrived at 1600 hours to fix television set. Very good reception. I hope that this will be enjoyed by the lighthouse crew doing duty at Horsburgh.

(Signed)  
M.A. 23/3/63

30/3/63

Landed at 7.00 am. Inspection of damaged jetty.

(Signed)  
T.A. Marine, P.W.D.  
(Signed)  
Engineer, P.W.D.  
(Signed)  
S.E.E., M.,D.&R, P.W.D.

24/4/63

Arrived Horsburgh at 1400 with Mr Lek \_\_\_ and Seah Cheng Huat.  
(Signed)



(Page 67)

20/10/63

Arrived Horsburgh to inspect new jetty & 4 yearly maintenance work. Jetty completed. Contractors one more week work on painting and repairs. All crew well. Water supplied from M.L. Flint.

(Signed)

M.A.

28 X 63

Arrived at 0700 and changed R/T Set No AH020. Tested with Reflector light conf'd ok.

(Signed)

28/10/63

Arrived at 7.00 am for inspection of repairs and repainting to lighthouse buildings.

(Signed)

T.A. Marine, PWD

6/11/63

Arrived at 12.10 pm for final inspection of repairs and repainting to lighthouse building. Work carried out satisfactorily.

(Signed)

Engineer, PWD

(Signed)

T.A. Marine, PWD

13/11/63

Called at Horsburgh in connection with stranding of M/V Woodburn.

(Signed)

M.A. 13/11/63

15/11/63

Arrived at 12.30 am. Checked R/T confirmed one set \_\_\_ ok. Informed Mr Medan to check aerial conf'd by him ok. Still unable to get Port Office, made another test with reflector meter conf'd aerial ok. As for Beacon replaced 3GXU 50. Left 10.06 am.

(Signed)

Telecoms Dept.

(Pages 80 – 81)

28<sup>th</sup> April to 2<sup>nd</sup> May

Arrived Horsburgh 1125 hrs 28<sup>th</sup> April on "Pesek" with Mr Lange, Che Bakar Bin Ali, Che Hasan B Abadullah, Che Abdul Bin Rahman to install the new 4<sup>th</sup> \_\_\_ electric powered optic. Stores and equipment landed on the north side rocks with the \_\_\_. 28<sup>th</sup> and 29<sup>th</sup> spent getting equipment up to the top and flashing the small temporary lantern. On the 29<sup>th</sup> main D/F Beacon failed and had to send for Telecoms officer to fix. On the night of the 29<sup>th</sup> the temporary light was found to have a defective flasher unit so a 100 watt bulb was placed in position of the \_\_\_ mantle (which by then had been removed) and the old optic was kept running during the night. Early morning on the 30<sup>th</sup> started removing old optic and by 6.30 pm Mr Lange had the new optic machinery etc. in place. New light switched on at 6.35 pm (1835) on the 30<sup>th</sup> April. The power is 3 times greater than the old optic. At appx 1900 hours 1<sup>st</sup> May used a torch to call up a passing (unidentified) ship and asked "How do you find the new light". Answer received "Thank you"!!

I must express my sincere thanks to Mr Nunes & his crew who have worked very hard to assist Mr Lange and his men in getting the new light installed. I also express my thanks to Mr Nunes for having made my stay here so comfortable.

Took the opportunity to polish up the final draft of my "History of Horsburgh Lighthouse" which I have been compiling for the past five months. Intend to try and publish before the end of this year.

I returned to Singapore on the M/L Berkas at noon on the 2nd May.

(Signed)

Director of Marine 2/5/66

(Page 93)

17/8/70

Arrived in the morning to stay here for changing AE stay wires with \_\_\_ Hussain,  
\_\_\_ and \_\_\_.  
(Signed)

21/8/70

Return to Singapore at 0930 hrs with all the staffs.  
(Signed)

28/8/70

Arrived here at 0730 hrs on routine - Neo, Henry and \_\_\_.  
(Signed)

28/9/70

Arrived here at 0730 hrs on routine check Neo, \_\_\_.  
(Signed)

24/3/71

Landed here at 0715 hrs with T.E. (VHF) and Techs - Ong, Lye, Neo Hand  
Rigger I \_\_\_ for general inspection and cleaning on Beacons TXs and AEs stay  
wires.  
(Signed)

28/3/71

Landed here at 0715 hrs. Changed R/T set faulty, serviceable set No VW186 put  
in and tested Imm. Depot loud and clear also with VHF section.  
(Signed)

3/4/71

Landed at 1030.  
(Signed)

20/6/71

Arrived in drizzle night of 19/6/71  
Glad to have made it after 3 years awaiting and staying overnight. So much of  
Singapore's history is encompassed in these walls of more than 120 years. So  
much has been put in, in the past, to ensure Singapore's progress and prosperity.

May all those who continue to man this isolated post console themselves that their dedicated and loyal service are well appreciated by the landlubbers of Singapore.

(Signed)

Minister for Communications 20/6/71

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19 – 20/6/71

Landed though drizzle and slept soundly for 6 solid hrs at this historical piece of architecture. From one who has travelled 9 years abroad.

(Signed)

25 – 28/8/71

Glad to be here a third time. Good fishing and hospitality have always been the \_\_\_ I remember in this place. My warmest thanks to Rodrigues and his crew who made my first and present visits pleasant and comfortable. Singapore needs a small number of dedicated man like Rodrigues to keep the lighthouse burning and our sea lanes safe for the prosperity of our country. May we always have them!

(Signed)

Minister, Home Affairs 28/8/71

14/8/72

Landed 0930. All in order.

(Signed)

19/8/72

Survey inspection on navaid's proposal by DEA/Tels/PWD team of six.

(Signed)

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28/10/72

Physical stock/spares take conducted by representatives State Audit Dept; Port of Singapore Authorities; Singapore Light Dues Board. 6.25 am to 8.50 am.

(Signed)

|                 |   |            |
|-----------------|---|------------|
| Ong Beng Han    | ) | Audit Dept |
| V Ramachandran  | ) |            |
| Lim Kiat        | ) |            |
| Royston Pereira | ) | PSA        |
| Gay Bah Chik    | ) |            |

28.10.72

Inspected the lighthouse today. The maintenance is good and all the equipments are in good condition. The crew are in good health and have no complaints. The new Hague Plan VHF Sets have been installed and are ready for the change-over. The Main and Standby Radiobeacon Transmitters are operating satisfactorily.

(Signed)

B. S. Srivathsan,  
Controller of Navigational Aids,  
Singapore Light Dues Board

I have arrived here Feb 5, 1973 at 11:30 with a helicopter in order to select a location for future (sic) VOR Tower. We have spent 4 hrs in the lighthouse. We have marked the location with paint. I would like to thanks to Mr Nunes for his cooperation and his hospitality.

(Signed)

World Wide Wilcox Inc.,  
Chief Civil/Structural Engr.,  
Nick Oktay

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31/5/73

Arrived at 0630 Lt. Checked main beacon with Mr Koh & Neo. 1130 Lt Beacon on mains.

(Signed)

T.A.S.

5/6/73

Survey team from P.S.A Hydro. Dept. Landed Horsburgh Lighthouse 0645 hrs. Carried survey for the extension of proposed new jetty. Completed survey at 1230 hrs.

(Signed)

T.O.

17/11/73

Arrived with Lian Hock Lian on PSA Pilot Launch 02. General inspection - all in good order. Spent night in lighthouse. No night fishing. Unable to scope any

(Signed)

29/3/74

Joint Malacca - Singapore Straits Survey - Area III.

(Signed)

13/4/74

Ang Kong Hua c/o Development Bank of Singapore Ltd and 3 friends.

13/4/74

Lt-Col Seah Peng Yung  
Bde. Comd. ISIB  
Beach Road Camp  
S'pore 7

(Page 97)

16.4.74

Came with Relief Crew and stayed overnight for triangulation observation for Joint Straits Survey by 4 Nations. Lighthouse personnel has been most co-operative and helpful. See you again.

(Signed)

23.4.74

Inspected the lighthouse today. The equipment is functioning alright and the maintenance is satisfactory.

Representatives from Min. of Commns., DCA and Telecoms were present in connection with the Radiobeacon installation.

(Signed)

B.S. Srivathsan,  
Controller of Navigational Aids,  
Port of Singapore Authority

Officers of the E.S.D. visited this lighthouse for the first time and fortunately the weather was very fine. The visit was in connection with improvement of the jetty, provision of new generator, extra capacity fuel tanks.

(Signed)



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3.6.74

Officers of E.S.D/CTM together with Term Contractors visited lighthouse to inspect job requisition on catwalk and railing.

(Signed)

T.O. Leong Keen Sun

Visitors present:

Mr Ramasamy

Mr Modh. Niam

Mr Thor (term contractor)

10/6/74

Officers of ESD (C & M) visited lighthouse to repair the catwalk at 11.40.

(Signed)

Senior Foreman

Visitors present:

D M Ingles

Gan Teck Cheong (Tech Officer)

10/7/74

Technician of Hydrographic and Malaysia survey team visited Lighthouse for checking tide pole at 1300 hrs.

(Signed)

28/7/74

Engineer PSA Sea - fix installation and calibration.

(Signed)

22/9/74

Minister of State for Communications

(Signed)

22/9/74

Chin Harn Tong MP

(Signed)

10/3/75

Site investigation in order to prepare report for proposed scheme for modernisation of lighthouse.

(Signed)

11/6/75

Arrived at 7.00 am reposition the Beacon aerial with Miss Yuan, Mr Ong Lye Huat and Mr Sim Sze Kiang. Job completed at 11 am.

(Signed)

TAS

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29/3/76

Capt. Fernandes (PSA), Lt Chia Chek Phong, Mr Tham (PSA) and Mr Cheong (PSA) visited the lighthouse to look into the jetty configuration and feasibility of installing a telescope.

(Signed)

3/4/76

Lai Fook Ker and T. T. Tan of \_\_\_ Construction and Transport Co Pte Lt. 9.15 am.

(Signed)

23-5-76

Ong Teng Cheong  
Sr. Minister of State (Communications)

(Signed)

6.4.77 (1100 h)

Lta. Low \_\_\_ Sang, HQ CDE  
Horsburgh lighthouse Comms Recce

(Signed)

11/6/77

Capt Goh Choo Keng & Party

(Signed)

23/4/79

Visited with communication staffs to fix temporary repeater for official use.

(Signed)

AOC "M"

20/7/79

Site visit with NAS staff from Tender of General Repairs and Painting of this lighthouse.

(Signed)

C.E, PSA

(Page 100)

19.8.83

Carry out inspection for general repair & repainting. About 95% of work is completed.

(Signed)

2/10/83

Minister for Home Affairs.

(Signed)

4/4/86

Insp Halim and Insp Khir from FMTB, Marine Police visited.

(Signed) 4/4

4/4/86

Insp Khir and Sgt. Seetoh from FMTB, Marine Police visited.

(Signed)

18/8/86

Visited here in preparation for possible installation of solar power system.

(Signed) 18/8/86

VISITORS' BOOK

15 November 1946 6:30am I landed at Northburgh 12 hours previous  
by Mr J. Coulson, Marine Dept. Engineer and carried out  
inspection of the station.

There is much evidence of neglect, roofing of out-housing is  
in some cases missing, all roofs are leaking, gutters, so  
essential for the supply of water, is broken, broken  
and many lengths missing.

The black paint of the tower itself are open in many  
places the paint having come away. This is an urgent  
matter and should be repaired as far as possible.

The foundation and lower corner of the tower should  
be most carefully examined both for cracking and  
the opening of joints.

The woodwork, doors and windows, is rotten and broken  
in many places and should be repaired as far as  
possible to prevent the entry of rain water.

The windows around the lightroom is corroded and  
in some requires replacement. All windows should be  
carefully sealed and painted.

Both interior and exterior of the pilot station should be  
painted.

The crew as well as the boat have some complaints  
on requests they have received the spot was made of  
five pieces of shute but have not yet had an issue  
of uniforms. The lightkeeper has been instructed to  
prepare about uniform on his next return to Singapore  
Quarters.

By Capt. J. G. ...

USSS ...  
the ...  
completing ...

OUT  
SOL  
D. IN  
HIS

May 1947. Visited with Ex. Engr. Mannie (Mr. E. R. Osborne) & inspected with a view to extensive repairs & improvement of crew's quarters, gilly & main shaft.

W. B. Phelan  
ag. D.P. 40

June 47. Arrived Horsburgh at 6 am to take measurements of Tower windows and to report on progress of the construction of the pier.

W. B. Phelan  
I.A. P. 20

July 1947. Arrived Horsburgh at 6 A.M. to inspect Pier Construction works.

W. B. Phelan

Express Engineering Co.

Aug 1947. Landed at 0700 for inspection of h.t. Ho. with Mr. Coulson P.W.B. workmen in evidence and pier nearing completion. Interior not too clean, requires line washing, and large numbers of flies in work room. No complaints from crew.

W. B. Phelan  
21. 8. 1947

July. Landed at 6.30 am to inspect Pier for completion.

W. B. Phelan

August. Landed at 3 p.m. with two skows loaded with bricks sand nails etc. Left Horsburgh at 4.30 p.m.

A. S. Longa  
J. A. Mannie

Landed by Mr. Osprey with 200 tons of water at 7.30 am. Left at 12.30 p.m. for Singapore. Two skows sunk on bottom at 20th August due to westerly squall. Left pier cables damaged on rocks.

W. B. Phelan

9 May 1948 Inspected new addition - well few  
exceptions everything in order

P. J. (M)

24<sup>th</sup> May 1948 <sup>Indonesian</sup> Kasain bin Abu Sa'adah sustained multiple  
injury to the head & body & limbs by falling from rock  
down to another rock at about 11:30pm. W. of King  
Lake to hospital. He lost some blood.

Landed at 5 P.M. Light House Time ~~St. John's H.O.~~  
Left at 5.20 P.M.

30<sup>th</sup> May Landed 11.20 AM from the King Rose all in order  
light house keeper complaints - 5 or 6 in scale - work for  
restoration - fresh from sea scale

Landed in the rocks then left for Singapore

P. J. (M)

June 20, 1948

Colonial Survey

Visited with two Indian Department to investigate  
severe quarantine of trees on the rocks. Found  
breeding places in gaps & refuse between  
between rock masses. Advised L. V. K. to  
clear these accumulations and in future to  
throw all refuse clear off the rocks. Refuse  
brought in by birds to be disposed as  
as possible.

St. John's H.O. Rural Survey

July 1948 landed by Lady Clifford 2.30 PM with the mechanics  
quickly inspection all well

St. John's



23<sup>rd</sup> June

Visited in respect of work to be carried out to function of pier & extension of Water Tank beyond. Mr. Mackinnon repairs required.

*[Signature]*  
EE M  
P.W.D.

5<sup>th</sup> July

Landed at 7 a.m. to inspect progress of work on water tanks and foundations. Tanking of stone sank at 8.30 a.m. due to a westerly squall. All stone from sunken tanking recovered off Horsburgh at 4 p.m.

*[Signature]*  
T.A. P.W.D. Durban

19<sup>th</sup> July 1950

Landed at 7.20 a.m. for quarterly inspection. P.W.D. workman busy on pier. Clockwork machinery fitted - timing correct. Crew in good health. No complaints. Quarters clean and tidy.

*[Signature]*  
M.D.E.

19<sup>th</sup> July 1950. Visit by Thomas re fitting of Radio Telephone at V. H. H. H. H.

3<sup>rd</sup> Aug. Visit by Thomas to inspect Radio Telephone #639.

28<sup>th</sup> Aug 1950

Landed 7 p.m. in peak of departmental work. Water Tanking completed. Workman's delayed due to lack of his tools.

*[Signature]*  
EE M  
P.W.D.

14

ACTIC  
BEE  
ING

28/6/51 Inspected with Maj Jensen of the East Asiatic Co regarding the painted surface of the tower and quarters. Left at 9.20 a.m.

J. de Souza  
P. W. D. Marine

17/7/51 Visit by Telecoms Dept. Charging unit replaced by a new one. Tested H16 on 160 m/c/s.

J. de Souza  
In Telecoms Dept.

21/8/51 Visit by Telecoms Dept. Charging unit fully replaced. H16 on police frequency replaced by H16 of Customs frequency (160.2 - 165.2 m/c/s). Aerial changed to that of correct frequency.

J. de Souza  
Telecoms Dept.

7<sup>th</sup> Sept 1951 Launch at 1100. Machinery & wireless set tested and found correct. A plentiful supply of water reported. Crew instructed no complaints tendered. Generators in working order.

Missed a lunch  
Deputy Master Abdenant

28/10/52

Visited Horsburgh Lighthouse changed Tx & Rx and checked all equipment all in good working order.

R. Longhead  
Telcoms Dept

2/11/52

Visited light to collect P.W.D. labour and make general inspection. Noted several minor works to be carried out.

N.C. Hoggard

A.G.M.

18/10/52

Visited Horsburgh light (2 in parties) for the purpose of examining via disclosure on to its private telcom for Naval requirements.

R. Huggard  
CE - C. H. Huggard

28/11/52

Visited lighthouse to find site for new genny. Proposed to sit above the flow genny on a corner of flat roof over quarters.

Sturidell

Major Sturidell

20-2-53

Visited lighthouse and replaced VHF eqpt. Old sets returned to CRRS for service. Left same day.

G. T. Telcom

17/3/53

Visited lighthouse in connection with repairs to lightning protection.

Longhead  
A.G.M.

28/5/53 Installed Rain Gauges  
Meteorological Dept

W.D. Jones  
28/5/53

9/6/53 Landed at 2 p.m. and explained to contractor the  
method of laying the Rok roofing to the concrete roof.  
Departmental men replacing damaged angle iron runners  
round the parapet wall of lantern room. Left at 4 p.m.

J. de Longa  
P.W.D. Central Station

17-6-53 Landed at 7 a.m. for Quarterly Inspection  
Mechanism tested - Lining correct.  
R/T set a radio reported in good order.  
Crew in good health & had no complaints.

Blanton  
by Marine Dept

22/6/53 Landed 7:30 a.m. Inspected work of contractor  
who has covered out rock roof & covered  
inspection of the passage & fire.

Almon  
P.W.D. 2/6/53

28/6/53 Visited C.H. and checked the equipment.  
Check calls with Tim of 2 C.P. Signal 5/3  
C.P. (Bellman)

28/6/53 Visited C.H. and checked Rain gauges  
D.I.C.

R. Jones

13/7/53 Landed at 7:30 a.m. with departmental men, and  
showed them nature of work to be carried out.

J. de Longa  
P.W.D. Central  
Station

28-9-53 Visited Autograph + 4. Check gauges are OK  
Instructions for taking care of instrument to work  
to office w/c (supplied) *[Signature]*

28-9-53 Visited LH changed VOT net. Epa (telecom)

28-10-53 Visited LH - changed VOT net. Epa (telecom)

28-10-53 Visited Instrum. OK. *[Signature]* Met. office

28-11-53 Visited Both gauges in good condition. *[Signature]*  
(Met. office)

9/1/54 Loaded 5-45 pm source material for RWD  
transmission received notes. *[Signature]*  
A.E.R.

5-4-54 Visited LH to repair boat hatch with departmental  
*[Signature]*  
and notes

9-4-54 Visited LH. Yagi aerial erected and set tested  
reception from CR5 & P.O. R5. Installation  
and feeder checked and necessary adjustments  
made where required. *[Signature]* Epa (telecom)

13-4-54 ~~Visited~~ loaded 7 am to inspect w/c boat hatch repair and  
pick up departmental labors. *[Signature]* A.E.R.

11-5-54  
started at 7 am with contractors, to show ground  
and explain the nature of work to be carried out.

*[Signature]*  
J. A. Martin

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19/2/59

Charged R/T set tested with  
Paya Lahan w/shop at M/S  
Teluk

19/3/59

Arrived 6<sup>th</sup> March 1959 Invalley  
1 AD501 and accom

Get Jay  
(Marconi Co. Ltd)

31/3/59

Visited to contact Lighthousekeeper  
& held discussion re Operation Paya

John  
Co. of P... ..

11/4/59

Landed @ approx 0815 in company with inst. Surfer & Co.  
main LWD & M.D.C. Routine staff greatly assist  
Quarters & larder room clean & tidy. No complaints.

John  
D.M.S.

15/4/59

Landed 1200 hrs. routine inspection with  
Chief Engineer left 1300 hrs.

W. H. ...  
S.E.E. (M.S.)

28/4/59

Landed at 7.00am To erect the  
Boat Transit Completed the work  
on the 29/4/59 at 11.30am  
Left for Singapore at 1.45pm

Pat  
A.E.M.

118

17/8/59 Landed at 12:05 pm. Repaired painting to tower. Taking back contractor painter back to Singapore - one of them small. One painter to return on 17/8/59 for final touching up of paintwork.  
by W. A. P. W. Marine

20/8/59

Landed at 12:40 noon. Repainting of tower completed satisfactory

Indelouza  
S.A.F.W.D. MARINE

20/8/59

Landed at 12:40. Radar reflector fitted with plate. Borey plate replaced.

P. M. P. H. G.  
APP. O

20/8/59

Landed at 12:00 hrs on 19/8. Adjustments to Radar Reflector carried out. Stayed overnight. Departed 14:30 hrs. Launch in use "Kankun".

D. L. G.  
APP. WDC

20/8/59

Landed at 07:00 LT with Mamoon, Kater and Teberon Dept. Back at 08:20 LT

M. H. S.

20/8/59

Landed at 11:00 hrs and commenced work. Operated by W. A. P. W. Marine. W. A. P. W. Marine Dept. Keeper. Co. Chetty. 100. Landed at 12:00 hrs.

W. A. P. W. Marine  
Dept. Keeper  
Co. Chetty

4  
 8/10/59 Landed at Horsburg light at 1140LT  
 with me long ~~to~~ to test on R/T  
 set with bell system. Lally

8/10/59 Landed on Hurlough with Acid. Engineer and some men from  
 Hawaiian list to check gas N<sup>o</sup> 2. Inspection discloses a crack  
 on cylinder head. Gas N<sup>o</sup> 2 will be out of action until new  
 head arrive from Spine. No spares at all for these  
 two diesel engines at lighthouse. What a state of affairs.

Victor OConnell  
 Engineer  
 Marine Dept

8/10/59 Cuts taken to Horsburg are No AHO 15  
 + AHO 19 plus a control unit.  
 1410 left for Horsburg back to Spine  
 Lally  
 Technical Dept

10 pm 12th October 1959

Visited on operation "Perjan" with  
 Ses Socha, Mr Kai Bay Yee, Co Anthony  
 & Curtis Lt. Gay

Bellevue Perjan Memorandum to  
 Mr. Keenan

10:35 pm departed

Victor OConnell  
 Senior Engineer  
 Harbour  
 Customs Dept



17.10.61 Arrived 07.30, left 08.45 with M.D.C. Helman of  
 light checked. Timing correct. All well. Took away one  
 man who apparently never to be light three nights ago,  
 often mentally deficient.  
 J. H. 2011

21.10.61 Arrived 0730 left 0930. Assessing and inspecting  
 inventories of assets.  
 J. H. 2011

27.10.61 Arrived at 0630. Checked beacon meter and job  
 T/S/R replaced. Contacted Coastguard etc.  
 Aerial checked with reflectometer etc.  
 J. H.

28/10/61 Arrived at 0600 hrs. for the monthly  
 routine of checking of the R and  
 M.T. beacons. R.T. tests OK, replaced  
 a U19 in the beacon. Reason coding good.  
 J. H.

28/10/61 Peter Robinson Film Productions unit arrived  
 at 6.30 am. All well and filming as best  
 we can in the driving rain.  
 J. H.

29.10.61 Landed at 0745 hrs. weather very rough. Only Kabin and self made  
 the landing and return trip made by light house hand. With attempt  
 to land abandoned owing to outboard motor failure. Work carried  
 out as usual.  
 J. H.

26.11.61 Telecoms arrived to check location & A/T etc.  
 Replaced aerial in cabin & T/S/R replaced.  
 J. H.

28/12/62 Arrived for routine check Replaced set, tested  
OK with Kelvin on flight Beacon working normal  
Battery OK

JT  
Telecoms

11/1/63 Arrived at 1300 LT Reason due to Beacon  
Aerial circuit low Replaced 2 GRU 50 & U52  
Turned back to normal at

JT & PJ  
Telecoms Dept

20-3-63 Arrived 0900 left 1430 Observed main angles for Singapore  
Strait survey (Pangrang bet Ajan etc)

Cardus HMS Dempster

23.3.63 Arrived at 1600 hours to fix television set very good reception  
I hope that this will be enjoyed by the high maintenance duty  
duty at Northburgh

Jabbari  
MA 23/3/63

30/3/63 Landed at 7.00am inspection of damaged jetty

JT  
10 March 1963  
Engine PWD  
SEA 11.2.2 PWD

24/4/63 Arrived Northburgh at 1400 with Mr. Kirk  
Taher & Cresting Mast

JT

67

20/10/63. Arrived at 0800 hrs. 18 and fixed new jolly & 4 jacks, maintenance work. Jolly completed. Construction and some work on painting & repairs. All crew well. Water supply from an Island.

John S.  
MA 0742 15074

21/10/63 arrived at 0700 and changed R/T sat 10 AM to 20. Laid out with Puller & Lyle 04. J.S.

22/10/63 Arrived at 7.00 am for inspection of repairs & repainting to lighthouse buildings.

John S.  
MA 0742 15074

23/10/63 Arrived at 12.10 pm for final inspection of repairs and repainting to lighthouse buildings. Work carried out satisfactorily.

John S.  
ENGINEER, R.N.Z.  
MA 0742 15074

13/11/63 Called at Whangarei in connection with drawing of m/s Woodlawn.

John S.  
MA 0742 15074

15/11/63 Arrived at 12.30 AM checked R/T. Conf. as set by Mr. Lyle. Mr. Lyle to check aerial conf. by Mr. Lyle. Still unable to get Post Office note another test with reflector. Meter conf. aerial at 10.06 AM.

John S.  
MA 0742 15074

80  
28<sup>th</sup> April

to

2<sup>nd</sup> May

Arrived Havelock 425 hrs 28<sup>th</sup> April on "Resak"  
with Mr Lange, Che Bakar bin Ala, Che Hasan  
b. Abdul Rahman, Che Abdul bin Rahman  
to install the new 4<sup>th</sup> order electric powered  
optic. Stores & equipment landed on the  
north side rocks with the whale. 28<sup>th</sup> & 29<sup>th</sup>  
spent getting equipment up to the top & fixing  
the small temporary lantern. On the 29<sup>th</sup>  
main 3<sup>rd</sup> beam failed & had to send for  
telescope approx 1 foot. On the night of the  
29<sup>th</sup> the temporary light was found to have  
a defective flange and so a 100 watt bulb  
was placed in position of the previous one  
(which by then had been removed) & the  
old optic was kept running during the  
night. Early morning on the 30<sup>th</sup> started  
removing old optic & by 6:30 pm had  
had the new optic machinery all in place.  
New light switched on at 6:35 pm (1855) on  
the 30<sup>th</sup> April. The power is 3 times greater  
than the old optic. At approx 1900 hours 1st May  
used a torch to call up a passing (unidentified)  
ship and asked "How do you find the  
new light?" Answer received "Thank you"!!

I must express my sincere thanks to  
Mr Nunes & his crew who have worked very  
hard to assist Mr Lange & his men in getting  
the new light installed. I also express my  
thanks to Mr Nunes for having made my stay  
here so comfortable.

Took the opportunity to polish up the  
final draft of my "History of Havelock  
light house" which I must have completed

81

for the past five months. Intend to buy & install  
before the end of this year.

I returned to Surabaya on the 2nd May  
at noon on the 2nd May.

Jalant.

Surabaya  
2/5/66

25/5/66 Arrived at 12.45. Checked found main beam  
faulty. Repaired and info part office 1600ct,  
also replaced R/T set by Mr. Tabin.

By Mr. Tabin

24/2/66 Arrived at 14.20. Mr. Tabin carried out  
R/T route. Meter checked almost all at  
main beam only. Mr. Tabin meter reading  
left set by a few minutes. Back to  
main ok.

By Mr. Tabin

24/8/66 Arrived at 12.30 pm. Mr. Tabin carried out routine  
for R/T, as for Mr. Tabin checked & geared wire  
meter reading for beam ok. Left on set by  
working at 13.00. Back to main only ok.

By Mr. Tabin

28/1/66 Arrived at 12.45. Carried out, beam checked found  
T.T. 10 output valve faulty. Replaced set only at  
no route was carried out on R/T set.

By Mr. Tabin

- 18/2/70 Arrived in the morning to stay here for  
changing of stay wires with laminar skin. 2nd  
approx and ahead.
- 21/2/70 Left Rotor to Singapore at 0930 hrs. with all  
the staff.
- 28/2/70 Arrived here at 0730 hrs on routine. No Rotor.
- 28/2/70 Arrived here at 0730 hrs on routine about No Rotor.
- 24/3/71 Arrived here at 0745 hrs with TE (VHF) and Techs. Eng. for No  
Rotor. Requested Rotor for general inspection on the  
2nd Rotor stay wire.
- 29/3/71 Landed here at 0715 hrs. Checked Rotor set fully serviceable  
set No. W156 put in and tested from Depot. Landed clear  
also with VHF section.
- 31/3/71 Landed at 1030.
- 20/6/71 Arrived in draggle depot of 19/6/71  
Glad to have made it after 3 years working stop-overs.  
So much of Singapore history is unexplained in these books.  
Of more than 120 years. So much has been spent in the past  
to ensure Singapore's progress and prosperity.  
May all those who continue to run this island feel  
in the same way that they have dedicated their lives  
and will appreciate by the land to be. H.S. 1971
- H.S. 1971  
H.S. 1971

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19-20/6/71

Landed through drizzle & slept soundly for 6 solid hrs at this historical piece of architecture

Jim one who has travelled 9 years around Papua New Guinea

28-29/8/71

Glad to be ~~back~~ <sup>here</sup> a second time. Good fishing and hospitality have always been the events I remember in my past. My warmest thanks to Rodrigues and his crew who made my first and present visits pleasant and comfortable. Singapore needs a small number of dedicated men like Rodrigues to keep the fisheries thriving, and our sea lanes safe for the prosperity of our country. May we always have them.

Donald Johnston  
Minister, Home Affairs  
28/8/71

14/8/72

Landed 0930, All in order

14/8/72

19/8/72

Airway inspection on message prepared by Det (Vela/PWD) team of six

Donald Johnston  
Minister, Home Affairs

28/10/72 Physical stock/spares take conducted by representatives  
State Audit Dept, & Port of Singapore Authorities, Singapore Light  
Dues Board. 6.25 a.m. to 8.50 a.m.

|                 |              |
|-----------------|--------------|
| Eng Beng Han    | } Audit Dept |
| Y. Ramachandran |              |
| Lim Kiat        | } PSA        |
| Rolph Pereira   |              |
| Gay Bah Chik    |              |

28.10.1972 Inspected the lighthouse today. The maintenance  
is good and all the equipments are in good condition.  
The crew are in good health and have no  
complaints.

The new Hyge Plan VHF sets have been installed  
and are ready for the change-over.

The Main and Standby Radiotelephone Transmitters  
are operating satisfactorily.

B. S. SRIVATHSAN  
(B. S. SRIVATHSAN)  
CONTROLLER OF NAVIGATIONAL  
AIDS  
SINGAPORE LIGHT DUES BOARD

I HAVE ARRIVED HERE FEB 3, 1973 AT 11.30  
WITH A HELICOPTER IN ORDER TO  
SELECT A LOCATION FOR FUTURE VOR  
TOWER. WE HAVE SPENT 4 HRS  
IN THE LIGHT HOUSE. WE HAVE  
MARKED THE LOCATION WITH PAINT.  
I WOULD LIKE TO THANK TO  
MR. NUNES FOR HIS COOPERATION  
AND HIS HOSPITALITY.

WORLD WIDE WELCOME MR. P.  
CHIEF CIVIL/STRUCTURAL ENGR

Y. K. WONG  
MICK ORTAY JR. SGT



965

24/5/73 Arrived at 0830.44. Chilled near beach  
with Mr. Kat & Ned.

1130.47 Beach on main

LLY T.A.S.

5/6/73 Army team from P.S.A. Phys. Dept. landed. Landed  
Explosion on coast. Commit survey for the entrance  
? proposed near July. Completed survey at 1230.40

7/11/73

Received with from Mark Fin in P.S.A. Pilot land  
O.R. Spent 4.30 in - all in good order.

Spent 1.30 in P.S.A. in N.A. - P.S.A. P.S.A. U.S.A.  
sent my orders.

Profr

19/3/74 Jane Mission - Singapore Island Survey Area III

LLY T.A.S.

Mr. Okada

Wanderer (4 Handup)

13/4/74 Mr. Kory His 9% Development Bank of  
Singapore Ltd.

13/4/74 Lt. Col. Seah Peng Jang

8th Const 1516

Black Road Camp

Spane 7

16.4.74 Came with Relief Crew and stayed overnight for  
 Triangulation observation for JERIC Strait Survey by  
 4 Nations. Lighthouse personnel has been most  
 cooperative and helpful. See you again! *Jerry Lee*

23.4.1974 Inspected The Lighthouse today.  
 The equipment is functioning alright and the  
 maintenance is satisfactory.  
 Representatives from Min. of Commerce, DCA and Telecoms  
 were present in connection with the Radio-beacon installation.

*D. J. Chinnaman*  
 (B. S. SRIVATHSAN)  
 CONTROLLER OF NAVIGATION  
 AIRS  
 PORT OF SINGAPORE AUTHORITY

Officers of the E.S.D. visited the lighthouse  
 for the first time and fortunately the  
 weather was very fine. The visit was in  
 connection with improvement of the jetty,  
 provision of new generator, extra capacity  
 fuel tanks.

*Patrick Chan*      *Wong Joo Chen*  
*Cheng Pui Lung*  
*Tong Joo Ching*

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30/7/74 officers of E.S.D./CTM together with term contractors visited lighthouse to inspect job requisition on catwalk <sup>and</sup> ~~the~~ railing.

Visitors Present  
Mr. Ramasamy  
Mr. Uell. Niam  
Mr. Thor (Term Contractor)

Long Jee Sun  
TO LEONG KEEN SUN

10/8/74 Officer of E.S.D. (C24) visited lighthouse to repair the catwalk at 11:40

Wong  
Linn Foon

Vinton Puan  
J. M. High  
Chan Teck Ching (Tech. Officer)

10/7/74 Technician of Hydrographic and Malaysia's survey team visited lighthouse for checking tide pole at 1300hr

23/7/74 Engineer PA Sea fix installation & calibration

Lim Kim Moon  
Chua Boon Sang

22/9/74 Minister of State for Communication (Y. Lian)

02/9/74 CHIN HARN TONG M.P

SOOEE

10/3/75 Site investigation in order to prepare report for proposal scheme for modernization of lighthouse

Dial Pak

11/6/75 Arrived at 7.00am in deposition the Beacon Aerial with wires from Mr. Ong Joo Hui & Mr. Sim Ee Keng. Job completed at 11.00am

Lee Yung Kiam (M.P.)  
TAS

29/3/76 Capt Fernando (PSA), Lt Etia Chet Phong,  
Mr Thamm (PSA) & Mr Cheong (PSA)  
visited the lighthouse to look onto the jerry  
configuration & feasibility of installing a telescope

J. J. <sup>name</sup>  
Nc

3/4/76 Lo Zook Kee & T. T. Tan  
of Smeel Construction & Transport Co Pte Ltd  
9.15 Am. *[Signature]*

23.5.76 ONG TEN & CHEONG *[Signature]*  
Sr. Minister of State (Communications)

6.4.77 CMA low board survey HQ COL  
1100h Harborport lighthouse Comm. base *[Signature]*

11/6/77 CAPT BOH CHOO KENG & PARTY  
*[Signature]*

23/4/79 Visited with communication staffs  
to fix temporary repeater for  
official use.

*[Signature]*  
1000h

29/7/79 Site visit with NAs staff for Tender  
of general repairs and Painting of this light  
house

*[Signature]*  
20 C.E., PSA

100

19.8.85 Carry out inspect for ground repair & repair - about 95% of work is completed.

4/10/83 ~~Shunshun~~ Ministry for Home Affairs

4/4/86 Insp Halm & Insp Khir from PMTB, Marine Police visited.

~~Shir~~  
4/4

4/4/86 Insp Chr & Sgt sectors from PMTB, Marine Police visited

~~Shunshun~~ 4/4/86

18/8/86 Visited here in preparation for possible installation of solar power system

8/2 18/8/86