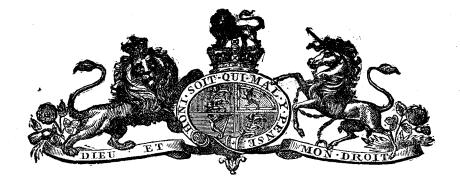
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#### GAZETTE. NEW ZEALAND

Published by Authority.

#### WELLINGTON, SATURDAY, FEBRUARY 18, 1871.

#### G. F. Bowen, Governor. ORDER IN COUNCIL.

At the Government House, at Wellington, this third day of February, 1871.

#### Present:

HIS EXCELLENCY THE GOVERNOR IN COUNCIL. WHEREAS by the second section of "The New Zealand University Act, 1870," it is enacted that a University consisting of a Council and Senate that a University consisting of a Council and Senate shall be established, and, when duly constituted and appointed according to the provisions of the said Act, shall be a body politic and corporate by the name of "The University of New Zealand," and by that name shall have perpetual succession and shall adopt and have a Common Seal, and shall by the same name sue and he used mead and he implemented answer and he and be sued, plead and be impleaded, answer and be answered unto, in all Courts of the said Colony, and shall be capable in law to take, purchase, and hold all goods, chattels, and personal property whatsoever, and shall also be able and capable in law to receive, take, purchase, and hold for ever not only such lands, buildings, hereditaments, and possessions as may from time to time be exclusively used and occupied by the said University for its immediate requirements, but also any other lands, buildings, hereditaments and possessions whatsoever situate in the said Colony or elsewhere, and shall be able and capable in law to grant, demise, alienate or otherwise dispose of all or any of the property real or personal belonging to the said University, and also to do all other matters and things incidental or appertaining to a body politic: Provided always that, until the Senate of the said University shall have been constituted as is therein enacted, the said body politic and corporate shall consist of the Council to be nominated and appointed by the Governor in Council as thereinafter mentioned :

And whereas by the third section of the said Act it is enacted that the Council of the said University shall be nominated and appointed by the Governor in

Council within six months after the passing of the said Act, and shall consist of twenty Councillors, of whom twelve at least shall be laymen:

Now therefore, His Excellency Sir George Ferguson Bowen, the Governor of Zew Zealand, with the advice and consent of the Executive Council of the said Colony, in exercise and pursuance of the powers and authorities vested in him by the said Act, doth hereby nominate and appoint Sir George Alfred Arney, Chief Justice, Auck-

land;

The Right Reverend Dr. Croke, Roman Catholic

Bishop, Auckland; Hugh Carleton, Esq., Auckland; The Honorable Robert Stokes, M.L.C., Wellington;

The Honorable Morgan Stanislaus Grace, M.D., M.L.C., Wellington;

The Honorable William Fitzherbert, Wellington; The Reverend Thomas Buddle, Wellington;

James Hector, Esq., M.D., F.R.S., Wellington; His Honor Oswald Curtis, Nelson; The Honorable Edward William Stafford, Nelson;

The Right Reverend Henry John Chitty Harper, Bishop of Christchurch, Canterbury; Henry John Tancred, Esq., Canterbury;

The Honorable John Barton Arundel Acland, M.L.C., Canterbury; His Honor William Rolleston, Canterbury; His Honor Henry Samuel Chapman, Judge,

Otago;

His Honor James Macandrew, Otago;

The Honorable Captain Thomas Fraser, M.L.C., Otago;

The Honorable Henry John Miller, M.L.C., Otago;

The Honorable Robert Campbell, M.L.C., Otago;

The Reverend William Johnston, Otago; to be the Council of "The University of New Zealand," under the provisions of the said Act.

FORSTER GORING

Clerk of the Executive Council.

#### G. F. Bowen, Governor.

N pursuance of the power vested in me by the Regulations contained in the Schedule to the Proclamation dated the seventeenth day of November, one thousand eight hundred and sixty-nine, by the Governor in Council, of regulations for the sale, letting, disposal, occupation, and management of the Waste Lands within the County of Westland:

I, the Governor of the Colony of New Zealand, do hereby appoint

HENRY LEE ROBINSON, Esq.,

to be Commissioner of the Waste Lands Board of the said County of Westland; to hold office during my pleasure.

Given under the hand of His Excellency Sir George Ferguson Bowen, Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George, Governor and Commander-in-Chief in and over Her Majesty's Colony of New Zealand and its Dependencies, and Vice-Admiral of the same; and issued at Wellington, this seventeenth day of February, in the year of our Lord one thousand eight hundred and seventy-one. W. GISBORNE.

General Post Office,

Wellington, 16th February, 1871. IS Excellency the Governor has been pleased to authorize

The ACTING ENGINEER-IN-CHIEF, Public Works Department ;

The DISTRICT ENGINEER, Manawatu;

The DISTRICT ENGINEER, Christchurch; The SURVEYOR IN CHARGE OF ROADS, West Coast, North Island; and

The SURVEYOR IN CHARGE OF ROADS, Bay of Tslands.

to frank and receive free from prepayment of postage, Letters or Packets posted on the Public Service.

> HENRY SEWELL (for the Postmaster-General).

General Post Office,

Wellington, 15th February, 1871.

THE following Notice, received from the General Post Office, Melbourne, is published for general information.

By order.

G. ELIOTT ELIOTT, Secretary.

#### General Post Office,

Melbourne, 31st January, 1871. SIR,-I beg to inform you that, on and after the 1st February, Money Orders may be issued and made payable at the under-mentioned Post Offices, viz. :---

Morrisons.

Riddell's Creek.

I am, &c.,

WILLIAM TURNER, Deputy Postmaster-General.

The Controller, Money Order Office, Wellington.

**USTOMS.**—Whereas a certain building situate in Palmerston Street, Westport, and known as THE WESTPORT BOND,

warehoused without payment of duty upon the first entry thereof: Now, in exercise of the authority in me for this purpose vested, I, the Commissioner of Customs, do, by this order under my hand, revoke and annul, as from the day of the date hereof, the appointment of the said building as such Warehouse as aforesaid.

> Given under my hand at Wellington, this eleventh day of February, one thousand eight hundred and seventy-one.

> > HENRY SEWELL, Commissioner of Customs.

Commissioner's Order, No. 41.]

CUSTOMS.—In exercise of the powers in me for this purpose vested by "The Customs Regula-tion Act, 1858," I, the Commissioner of Customs, do hereby approve and appoint the under-mentioned Warehouse, namely :-

Port of Hokitika.

A Galvanized Iron Building, situate in Wharf Street, in the Town of Hokitika, in the occupation of Mr. James Miller, and known as Miller's Bond,

to be a Warehouse for the reception of Goods under Bond.

> Given under my hand, at Wellington, this eleventh day of February, one thousand eight hundred and seventy-one.

HENRY SEWELL,

Commissioner of Customs.

Commissioner's Order, No. 42.]

NOTICE is hereby given, that by an award made on the eighteenth day of November, one thousand eight hundred and seventy, the Commissioners of the Public Debts Sinking Funds did determine that the sum of Two thousand eight hundred pounds, being part of the said accumulated Sinking Fund held by them for the payment of the Debentures issued under "The Wellington Loan Act, 1862, No. 11," should be released and paid over to the Provincial Account of the Province of Wellington, as provided by the sixth clause of "The Public Debts Sinking Funds Act Amendment Act, 1869."

Signed by the said Commissioners-

JAMES EDWARD FITZGERALD,

Controller of the Public Accounts, Chairman. HENRY SEWELL,

Acting Treasurer of the Colony of New Zealand. J. G. ANDERSON,

#### Deputy Auditor.

TENDERS are invited for the Erection of a Dwelling House for the Resident Magistrate at Maketu, in the Province of Auckland.

General Conditions, Specifications, and Drawings may be seen at the Offices of the Colonial Architect, Wellington; and at the Government Offices in

Auckland, Tauranga, and Napier. Tenders will be received by the undersigned, up to noon on Wednesday, the 15th March next.

The lowest or any Tender not necessarily accepted. W. H. CLAYTON,

Colonial Architect.

15th February, 1871.

REPUBLISHED in pursuance of Diseased Cattle

#### PROCLAMATION.

WHEREAS by "The Diseased Cattle Act, 1861," it is enacted that the Governor in Council may, by Warrant under his hand, from time to time delegate was some time since appointed as a Warehouse for Warrant under his hand, from time to time delegate the reception and security of goods entered to be to the Superintendent of any Province within the

Colony, all or any of the powers vested in the Governor or the Governor in Council by the said Act, subject to such regulations as he may think fit: Act, subject to such regulations as he may think ht: And whereas by the fourth section of "The Diseased Cattle Act Amendment Act, 1865," it is enacted that the Governor may, by any Order in Council, from time to time annul, make void, or alter or vary or make anew, any Orders in Council, regulations, appointments, or prohibitory or other declarations made and published by the Governor under the authority of "The Diseased Cattle Act 1861" or of

authority of "The Diseased Cattle Act, 1861," or of "The Diseased Cattle Act Amendment Act, 1865," or by the Superintendent of any Province under or in pursuance of any powers delegated under the powers of delegation contained in "The Diseased Cattle Act, 1861," or "The Diseased Cattle Act Amendment Act, 1865 :"

And whereas by the fifth section of "The Dis-eased Cattle Act Amendment Act, 1865," it is enacted that the power of annulling, making void, or allowing or varying and making anew, any such regulations, appointments, or prohibitory or other declarations, vested in the Governor by "The Diseased Cattle Act Amendment Act, 1865," may from time to time be delegated by the Governor in Council, by Warrant under his hand, to the Superintendent of any Province:

And whereas the said Governor hath, by and with the advice and consent of the Executive Council of New Zealand, delegated to William Rolleston, Esquire, the Superintendent of the Province of Canterbury, within the said Province, so long as he shall remain Superintendent of the Province, the several powers vested in the Governor or the Governor in Council by the second, fourth, fifth, seventh, ninth, and tenth sections of "The Diseased Cattle Act, 1861," aforesaid, and all the powers which by the fifth section of "The Diseased Cattle Act Amendment Act, 1865," the Governor in Council is authorized so to delegate :

Now therefore, I, William Rolleston, by virtue of such powers in me vested, do hereby proclaim and declare that, after the date of the publication hereof in the New Zealand Gazette, all that district of the Province of Marlborough lying between the Clarence River, the Conway River, the seaward Kaikoura Range, and the sea, the Province of Otago, and the County of Westland, in the Middle Island of New Zealand, shall be deemed Infected Districts within the meaning of the said Acts: And I do further proclaim and declare the following Regulations for the destruction of diseased cattle, and for the preventing and regulating the removal or transportation of cattle from the said several infected districts into the Province of Canterbury:

- I.—If any person shall import, drive, or remove, or cause to be imported, driven, or removed, or assist in driving or removing, any cattle from either of the said infected districts into the Province of Canterbury, except into a Quarantine ground, and after having obtained a Quarantine certificate from an Inspector of Cattle, such person shall be liable to a penalty of fifty pounds for every head of cattle so imported, driven, or removed.
- II.-It shall be lawful for any Inspector of Cattle or Police Constable to destroy or cause to be destroyed any diseased cattle which shall pass into this Province from either of the said districts contrary to these Regulations.
- III.—If any person shall wilfully impede or ob-struct any Inspector or any Police Constable acting under the authority of these Regulations, every person so offending shall be liable to a penalty of fifty pounds. IV.—These Regulations shall take effect from and

after the day following the date of publication in the New Zealand Gazette.

Given under my hand, at Christchurch, this thirteenth day of February, one thousand eight hundred and seventy-one. W. ROLLESTON,

Superintendent.

#### PROCLAMATION.

WHEBEAS by "The Diseased Cattle Act, 1861," it is enacted that the Governor in Council may, by Warrant under his hand, from time to time delegate to the Superintendent of any Province within the Colony all or any of the powers vested in the Governor or the Governor in Council by the said Act, subject to such regulations as he may think fit :

And whereas by the fourth section of "The Dis-eased Cattle Act Amendment Act, 1865," it is enacted that the Governor may, by any Order in Council, from time to time annul, make void, or alter or vary and make anew, any Orders in Council, regulations, and make anew, any orders in council, regulations, appointments, or prohibitory or other declarations made and published by the Governor under the authority of "The Diseased Cattle Act, 1861," or of "The Diseased Cattle Act Amendment Act, 1865," or by the Superintendent of any Province under or in pursuance of any powers delegated under the powers of delegation contained in "The Diseased Cattle Act, 1861," or of "The Diseased Cattle Act Amendment Act, 1865 : "

And whereas by the fifth section of "The Diseased Cattle Act Amendment Act, 1865," it is enacted that the power of annulling, making void, or allowing or varying and making anew, any such regulations, appointments, or prohibitory or other declarations, vested in the Governor by "The Diseased Cattle Act Amendment Act, 1865," may from time to time be delegated by the Governor in Council, by Warrant under his hand, to the Superintendent of any Province :

And whereas the said Governor hath, by and with the advice and consent of the Executive Council of New Zealand, delegated to William Rolleston, Esquire. the Superintendent of the Province of Canterbury, within the said Province, so long as he shall remain Superintendent of the Province, the several powers vested in the Governor or the Governor in Council by the second, fourth, fifth, seventh, ninth, and tenth sections of "The Diseased Cattle Act, 1861," afore-said, and all the powers which by the fifth section of "The Diseased Cattle Act Amendment Act, 1865," the Governor in Council is authorized so to delegate :

Now therefore, I, the said William Rolleston, by virtue of such powers in me vested, do hereby proclaim and declare that, after the date of publication thereof in the New Zealand Gazette, the several Colonies of Australia, that is to say, the Colony of Victoria, of New South Wales, of Queensland, of South Australia and Western Australia, as well as the Colony of Tasmania and the Colony of the Cape of Good Hope, shall be deemed to be Infected Districts within the meaning of the said Acts:

And I do further proclaim and declare the following Regulations for regulating the importation of cattle into the Province of Canterbury from such districts, and for the landing or driving of such cattle, and for the destroying of cattle imported, landed, or driven contrary to these Regulations :-

I.—If any person shall import any cattle from either or any of the said infected districts into the Province of Canterbury, unless upon Quarantine ground, and after having obtained from an Inspector of Cattle a Quarantine certificate, he shall be liable to a penalty of fifty pounds for

every head of cattle so imported into the Pro- | vince of Canterbury.

II.-If any person shall land, or cause to be landed, or assist in landing, any cattle coming from either of the said infected districts in or upon any part of the Province of Canterbury, unless into a Quarantine ground, and after having obtained a Quarantine certificate, he shall be liable to a penalty of fifty pounds for every head of cattle so landed.

III.—It shall be lawful for and the duty of any Inspector of Cattle or Police Constable to destroy, or cause to be destroyed, any cattle which shall be imported or landed contrary to these Regulations.

IV. If any person shall wilfully impede or obstruct any Inspector of Cattle or Police Constable acting under the authority of these Regulations, every person so offending shall be liable to a penalty of fifty pounds. .—These Regulations shall take effect from and

V. after the day following the date of publication in the New Zealand Gazette.

Given under my hand, at Christchurch, this thirteenth day of February, one thousand eight hundred and seventy-one.

WM. Rolleston, Superintendent.

STATEMENT of the Affairs of "The Nile Cement Crushing Company Paris "The Nile Cement Crushing Company, Registered," for the halfyear ended 31st December, 1870, in accordance with section 13 of "The Mining Companies Limited Liability Act Amendment Act, 1869."

"Nile Cement Crushing Company, Name of Company: Registered."

When formed, and date of registration : Formed 21st Septem-ber, 1867; registered 3rd October, 1867. Where business is conducted, and name of Legal Manager : Darkie's Terrace, Charleston; William Morris.

Nominal capital : £1,600.

Nominal capital: £1,600. Amount of paid-up scrip given to shareholders: None. Number of shares in which capital is divided: 40. Number of shares taken: 40. Amount of calls made: None. Total amount of subscribed capital paid up: £1,600. Number of shareholders at time of registration of Company: 5. Amount of cash in hand: £89 11s. 11d. Whether in operation or not: In operation. Total amount of dividends declared: £60. Number of shares unallotted: Nil.

Number of shares unallotted : Nil.

9th January, 1870. WM. MORRIS, 561 Legal Manager.

STATEMENT of the Affairs of "The Collingwood Coal Mining Company P D Coal Mining Company, Registered," for the half-year ended 23rd December, 1870, in accordance with section 13 of "The Mining Companies Limited Liability Act Amendment Act, 1869."

Name of Company: "The Collingwood Coal Mining Company, Registered.

Registered." When formed, and date of registration : Formed 16th November, 1868; Registered 24th December, 1868. Where business is conducted, and name of Legal Manager : Office, J. D. Brace's, Collingwood, Nelson, New Zealand; W. C. Riley, Legal Manager. Nominal capital : £3,600. Amount of paid-up scrip given to shareholders : £3,600. Number of shares in which capital is divided : 30. Number of shares taken : 30. Amount of calls made : £3600.

Amount of calls made : £3600. Total amount of subscribed capital paid up : £3600.

Number of shareholders at time of registration of Company: 26. Amount of eash in hand: £7 11s.  $4\frac{1}{2}d$ . Whether in operation or not: In operation.

Total amount of dividends declared : Nil. Number of shares unallotted : Nil.

23rd December, 1870.

W. C. RILEY, 581 Manager. STATEMENT of the Affairs of "The Golden Crown Gold Mining Course Crown Gold Mining Company, Registered," for the half-year ended 31st December, 1870, in accord-ance with section 13 of "The Mining Companies Limited Liability Act Amendment Act, 1869.

Name of Company : "Golden Crown." When formed, and date of registration : Formed, 18th March, 1869 ; Registered, 1st April, 1869. Where business is conducted, and name of Legal Manager : Grahamstown ; Stephen E. Richards. Nominal capital : £192,000. Amount of paid-up series picen to shareholders : £192,000

Amount of paid-up scrip given to shareholders: £192,000. Number of shares in which capital is divided: 192. Number of shares taken: 192. Amount of calls made: Nil.

Amount of calls made: Nil. Total amount of subscribed capital paid up: £192,000. Number of shareholders at time of registration of Company: 14. Amount of cash in hand, £1,319 14s. 7d. Whether in operation or not: In operation. Total amount of dividends declared: Total, £112,472 16s. 8d.; Dividends for half-year ending 31st December, 1870, £22,080. Number of shares unallotted: None.

STEPHEN E. RICHARDS,

31st January, 1871. Manager.  $\mathbf{582}$ 

NOTICE.—The Government Printer begs to inform the Public that Posters St the Public, that Postage Stamps can only be received by him in payment of accounts from places where Post Office Orders are not procurable, or in cases where the amounts are very small. Duties Stamps cannot under any circumstances be received in future.

GEO. DIDSBURY,

Government Printer.

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Government Printing Office, Wellington, 10th February, 1871.

#### THE NEW ZEALAND GAZETTE.

SUBSCRIPTIONS.—The subscription is at the rate of £2 per annum, or 10s 6d more than the rate of £2 per annum, or 10s. 6d. per quarter, payable in advance.

An extra subscription of 10s. to the Gazette will entitle each yearly subscriber to the Acts of the General Assembly as pub-lished during the year.

Subscriptions are required to terminate with the quarters ending March, June, September, or December. A less period than three months cannot be subscribed for.

Single copies of the Gazette will be 1s. each.

ADVERTISEMENTS will be charged for according to the following scale :--For the first fifty words and under £ d. s. 3 0

0 • • • 0 0

For every eight words after the first fifty... Headings, date lines, signatures, &c., re-quiring to be printed in separate lines, to be charged at, per line ... ... Half-yearly Statements of Assets and Lightities of Mining Companies for 0 0 4

Liabilities of Mining Companies, &c ..... 0 10 0

All advertisements should be written on one side of the paper, and signatures, &c., should be written in a legible hand.

The number of insertions required must be written across the face of the advertisement.

All applications for subscription or for the insertion of private advertisements in the *New Zealand Gazette*, except from places where agents have been appointed for that purpose, should be addressed to the Government Printer, Wellington, and at the same time, pre-payment (by money order when necessary) at the above rates must be made to him.

Postage or duty stamps cannot in any case be received in payment from any place at which post office orders are issued, and under any circumstances are subject to a deduction at the rate of one shilling in the pound.

Agents are appointed to receive advertisements for the New Zealand Gazette at the following places :---

Auckland-V. E. Rice, Esq., Superintendent's Office.

Thames-John Robinson, Esq., Receiver of Gold Revenue.

**PARTICULARS** of the Estates of Deceased Persons which have been placed under the charge of ALFRED CHETHAM-STRODE, Esq., Curator of the Estates of Deceased Persons, during the Month of January, 1871.

1Thomas PhillipsonDunedinWestmore- land, EnglandNone requiredUnder £127 Oct., 18702Mary Ann SmithQueenstown, OtagoNot knownDittoUnder £1020 April, 18693John SteelClutha, OtagoDittoDittoUnder £214 Dec., 18694John MillwardQueenstown, OtagoBallarat, VictoriaDittoUnder £520 Oct., 18705Jonathan Biggs LovellQueenstown, OtagoForgland DittoDittoUnder £620 Oct., 1870	No.	Name of Deceased.	Colonial Residence.	Supposed British or Foreign Residence.	Date of Rule or Orde	r. Value or Estimated Value of Personal Estate.	e Time of Deceased's Death.	Remarks.
2Mary Ann Smith John SteelQueenstown, OtagoNot known DittoDittoUnder £1020 April, 18693John SteelOtagoDittoDittoUnder £214 Dec., 18694John MillwardQueenstown, OtagoBallarat, VictoriaDittoUnder £520 Oct., 18705JonathanBiggsQueenstown, Woolwich,Woolwich,DittoUnder £620 Oct., 1870	1	Thomas Phillipson	Dunedin			Under £12	7 Oct., 1870	
3John SteelClutha, OtagoDittoDittoUnder £214 Dec., 18694John MillwardQueenstown, OtagoBallarat, VictoriaDittoUnder £520 Oct., 18705JonathanBiggsQueenstown, Queenstown, Woolwich,DittoUnder £620 Oct., 1870	2	Mary Ann Smith			D:44.	Under £10	20 April, 1869	
4John MillwardQueenstown, OtagoBallarat, VictoriaDittoUnder £520 Oct.,18705JonathanBiggsQueenstown, Woolwich,Woolwich,DittoUnder £620 Oct.,1870	3	John Steel	Clutha,	Ditto	Ditto	Under £2	14 Dec., 1869	
5 Jonathan Biggs Queenstown, Woolwich, Ditto Under £6 20 Oct., 1870	4	John Millward			Ditto	Under £5	20 Oct., 1870	
Loven Otago England	5	Jonathan Biggs Lovell		Woolwich, England	Ditto	Under £6	20 Oct., 1870	

Dated at Dunedin, the 1st day of February, 1871.

A. CHETHAM-STRODE, Curator.

PARTICULARS of the Estates of Deceased Persons which have been placed under the charge of WILLIAM MORGAN CROMPTON, Esq., Curator of the Estates of Deceased Persons during the Months of December, 1870, and January, 1871.

No. Name of	Deceased.	Colonial Residence.	Supposed British or Foreign Residence.	Date of Rule or Order.	Value or Estimated Value of Personal Estate.	Time of Deceased's Death.	Remarks.
N	er, 1870. il. y, 1871. hill	Patea	Ireland	None required	£ s. d. 500	<b>j</b> 10 June, 1868	Killed b <del>y</del> Rebel Maoris.

Dated the 31st day of January, 1870.

WM. M. CROMPTON, Curator.

STATEMENT of the Average Amount of LIABILITIES and ASSETS of the BANK OF NEW ZEALAND, in the Colony of New ZEALAND, during the Quarter ended 26th DECEMBER, 1870.

LIABILITIES					Assets.
•	۰ <del>پر</del>	3	s.	đ.	£ s. (
Notes in Circulation .	. 274	,447	<b>12</b>	5	Coined Gold and Silver, and other
Bills in Circulation .	. 18	,870	<b>12</b>	11	Coined Metal
Balances due to other Banks	. 33	,067	7	<b>2</b>	Gold and Silver in Bullion or Bars 116,374 3
Government Deposits .	. 169	,380	15	11	Notes and Bills of other Banks . 7,397 6
Other Deposits—					Balances due from other Banks . 6,444 19
Not bearing Interest .		,649		4	Landed Property
Bearing Interest .	. 418	,275	15	4	Amount of all other Securities—
5					1. Notes and Bills Discounted . 949,818 1 1
					2. Colonial Government Secu-
					rities 190,861 10
					3. Other Funded Securities
					4. Debts due to the Bank (exclu-
					sive of Debts abandoned as
					bad) 933,901 18
					5. Securities not included under
					the above heads 280,364 16
Total Average Liabilities	$\pm 1,556$	,692	1	1	Total Average Assets £2,799,360 5

37,500 0 0 Amount of the last Dividend declared Amount of the Reserved Profits at the time of declaring such Dividend  $195,245\ 11$ 7

Dated at Auckland, this 20th day of January, 1871.

D. L. MURDOCH, Inspector. FREDK. BATTLEY, Inspector's Accountant.

#### THE NEW ZEALAND GAZETTE.

LIABILITIES.					Assets.
Notes in Circulation Bills in Circulation . Balances due to other Banks Government Deposits . Other Deposits— Not bearing Interest . Bearing Interest .		£ 97,754 13,104 59 268 356,457 362,964	$     \begin{array}{r}       13 \\       13 \\       7 \\       1 \\       7 \\       7 \\       7     \end{array} $	<b>2</b>	£       s.         Coined Gold and Silver, and other       215,479         Coined Metal       .       215,479         Gold and Silver in Bullion or Bars.       53,439       0         Notes and Bills of other Banks       888       6         Balances due from other Banks       21,774       13         Landed Property       .       45,000       0         Amount of all other Securities—       .       .       .         1. Notes and Bills Discounted       .       443,608       12       12         2. Colonial Government Securities       .       .       .       .       .         3. Other Funded Securities       .       .       .       .       .       .         4. Debts due to the Bank (exclusive of Debts abandoned as bad)       .       .       .       .       .       .       .         5. Securities not included under       . <td< th=""></td<>
					the above heads 7,174 0
Total Average Liabilities	.;	£830,608	15	2	Total Average Assets £1,227,265 15

STATEMENT of the Average Amount of the LIABILITIES and ASSETS of the UNION BANK OF AUSTRALIA, within the Colony of New ZEALAND, during the Quarter ended 31st DECEMBER, 1870.

Amount of the Capital Stock paid up at the close of the Quarter	$\mathbf{f}$	s. d.
ended 31st December, 1870	1.250.000	0 0
Rate of the last Dividend declared to the Shareholders 1	$3\frac{1}{3}$ $\mathbb{P}$ cent.	
Amount of the last Dividend declared .	$\tilde{75,000}$	
Amount of the Reserved Profits at the time of declaring such Dividend	478,714	8 2
Dated at Wellington, this 13th day of January, 1871.	,	

GEO. COWIE, Assist.-Inspector. WM. JAMIESON, Accountant. ÷

STATEMENT of the Average Amount of the LIABILITIES and ASSETS of the BANK OF NEW SOUTH WALES, in New ZEALAND, during the Quarter ended 31st DECEMBER, 1870.

LIABILITIES.		<u></u>			Assets.
Notes in Circulation .		£ 105,040	s. 3	d. 0	Coined Gold and Silver, and other
Bills in Circulation		2,079		8	
Balances due to other Banks		10,487		0	Gold and Silver in Bullion or Bars. 40,256 17 5
Government Deposits .	•	• • • •			Notes and Bills of other Banks . 2.044 18 8
Other Deposits—					Balances due from other Banks . 8,010 7 2
Not bearing Interest .		$278,\!522$	10	9	
Bearing Interest	•	$332,\!576$	9	8	
					1. Notes and Bills Discounted . 376,704 6 6
					2. Colonial Government Securi-
					ties
					3. Other Funded Securities
					4. Debts due to the Bank (exclu-
					sive of Debts abandoned as
					bad)
					5. Securities not included under the above heads
					the above heads 62,191 15 10
Total Average Liabilities .	i	£728,706	12	1	Total Average Assets £1,108,193 14 2
Amount of the Capital Sto ended 31st December, Rate of the last Dividend of Amount of the last Dividen	18 lecl	70 lared to th			1.000.000 0 0
Amount of the Reserved			e ti	me	of declaring such
Dividend	~~ •				
Dated at Wellington, th	i. 9	8th day o	f Т.		,
	1.0 4	our day o	1 91	มมน	EDWARD MILLER, Manager

Edward Miller, Manager. A. G. Willoughey, p. Accountant.

#### THE NEW ZEALAND GAZETTE.

LIABILITIES.		£	s.	d.	Assets.	£	8.	d.
Notes in Circulation		36,331			Coined Gold and Silver, and other		~•	
Bills in Circulation		3,565		11	Coined Metals	121,059	0	8
Balances due to other Banks					Gold and Silver in Bullion and Bars	25,175		1
Government Deposits .		99,596	5	<b>2</b>	Notes and Bills of other Banks .	1,178		
Other Deposits—					Balances due from other Banks .	·		
Not bearing Interest .		99,523	<b>5</b>	6	Landed Property	34,714	8	10
Bearing Interest .		52,641	16	6	Amount of all other Securities-	,		
5					1. Notes and Bills Discounted .	229,321	18	7
					2. Colonial Government Securi-			
					ties			
					3. Other Funded Securities .			
					4. Debts due to the Bank (exclu-			
					sive of Debts abandoned as			
					bad)	128,661	19	5
					5. Securities not included under			
					the above heads	3,596	8	11
Total Average Liabilities	. £	291,658	4	0	Total Average Assets	£543,708	7	10

STATEMENT of the Average Amount of LIABILITIES and ASSETS of the BANK OF AUSTRALASIA, within the Colony of New ZEALAND, during the Quarter ended 31st DECEMBER, 1870.

# Amount of the Capital Stock paid up at the close of the Quarter ended £ s. d. 31st December, 1870 . . 1,200,000 0 Rate of the last Dividend declared to the Shareholders, 6 per cent. per annum, and bonus of 4 per cent., equal to . . 10 P cent. P annum Amount of the last Dividend declared . . . . . . Amount of the last Dividend declared . . . . . . . Amount of the Reserved Profits at the time of declaring such Dividend .

Dated at Wellington, this 10th day of February, 1871.

THOS. BUCHANAN, Manager. H. DAVIS, Accountant.

STATEMENT of the Average Amount of LIABILITIES and ASSETS of the BANK OF OTAGO (LIMITED), at DUNEDIN, during the Quarter ended 31st DECEMBER, 1870.

LIABILITIE	s.				Assets.
		£	s.	d.	£ s.
otes in Circulation		34,038		9	
Ils in Circulation .		- ,			Coined Metal
alances due to other Banks		9.371	19	9	Gold or Silver in Bullion or Bars . 4,965 13
overnment Deposits	•		10	Ŭ	Notes and Bills of other Banks . 1,659 3
ther Deposits—	•	•••			Balances due from other Banks . 724 13
Not bearing Interest .		70,013	0	A	Landed Property
Bearing Interest	•	47,228	9		Amount of all other Securities—
Dearing interest	•	<b>T</b> 1,220	5	U	1. Notes and Bills Discounted . 114,223 12
					2. Colonial Government Securi-
					ties
					3. Other Funded Securities
					4. Debts due to the Bank (ex-
					clusive of Debts abandoned
					as bad)
					5. Securities not included under
					the above heads
Total Average Liabilities	. £	160,651	19	10	Total Average Assets . £443,463 3

Amount of the Reserved Profits at the time of declaring such Dividend 5,958 18 10 Dated at Dunedin, this 12th day of January, 1871.

W. J. M. LARNACH, Colonial Manager. J. Ross Cundell, Accountant.

				LIABILIT	TIES.						
							Deposi	ts.			Total
BANKS.		Notes in Circulation.	Bills in Circulation.	Balances d other Bar		Government.	Not bearing 1	Interest.	Bearin	g Interest.	Liabilities.
Bank of New Zealand Union Bank of Australia Bank of New South Wales Bank of Australasia Bank of Otago (Limited)		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	£ s. d. 18,870 12 11 13,104 13 6 2,079 16 8 3,565 3 11 	33,067		£ s. d 169,380 15 11 268 1 6 99,596 5 2 	642,649 356,457 278,522	$\begin{array}{ccc} 7 & 6 \\ 10 & 9 \\ 5 & 6 \end{array}$	418, 362, 332, 52,	s. d.         275 15 4         964 12 5         576 9 8         541 16 6         228 9 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Totals	£	547,612 12 2	37,620 7 0	52,986	6 1	269,245 2 7	1,447,166	15	<b>1</b> ,21 <b>3</b> ,	687 2 11	3,568,317 12 2
				Assets.							
Banks.	Coined Gold and Silver, and other Coined Metal.		Notes and Balance Bills of other fro Banks. other I	m Da	nded perty.	Notes and Bills Discounted.	Colonial Government Securities.		ue to the nk.	Securities not included unde other heads.	
Bank of New Zealand Union Bank of Australia Bank of N. S. Wales Bank of Australasia Bank of Otago (Limited)	£ s. d. 291,912 4 1 215,479 6 2 291,704 15 10 121,059 0 8 25,477 2 2	116,374         3         0           53,439         0         7           40,256         17         5           25,175         18         1	7,397     6     2     6,444       888     6     5     21,774       2,044     18     8     8,010       1,178     13     4	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	s. d. 5 5 3 0 0 0 5 15 4 4 8 10 9 1 6	£ s. d. 949,818 1 10 443,608 12 11 376,704 6 6 229,321 18 7 114,223 12 4	£ s. d. 190,861 10 9   	439,90 305,80 128,66	s. d. 1 18 9 1 16 3 4 17 5 1 19 5 3 16 10	£ s. 280,364 16 7,174 0 62,191 15 1 3,596 8 1 	5       2,799,360       5       9         1       1,227,265       15       9         .0       1,108,193       14       2
Totals £	945,632 8 11		13,168 7 7 36,954	13 11 155,56	ŧ 10 11	2,113,676 12 2	190,861 10 9	2,072,59	488	353,327 1	3 6,121,991 7 1
			(	Capital and H	PROFITS.						
Banks.		Capital paid up.		Rate per	r Annum	of last Dividend.					Amount of Reserved Profits at the time of declaring such Dividend.
Bank of New Zealand Union Bank of Australia Bank of New South Wales Bank of Australasia Bank of Otago (Limited)	· · · · ·	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Equal to fifteen per c Thirteen and one-hal Ten per cent. per ann Six per cent. and Bor Six per cent. and Bor	f per cent. per a um us of Four per	innum	 Fen per cent. per an	  mum	  	37, 75, 50, 60,	3         s.         d.           500         0         0           000         0         0           000         0         0           000         0         0           198         12         2	$\begin{array}{cccccccc} \pounds & {\rm s.} & {\rm d.} \\ 195,245 & 11 & 7 \\ 478,714 & 8 & 2 \\ 302,431 & 0 & 10 \\ 331,128 & 6 & 1 \\ 5,958 & 18 & 10 \end{array}$
Totals .	£	4,281,529 16 6	-						229,	698 12 2	1,313,478 5 6

GENERAL STATEMENT of the LIABILITIES and ASSETS of the under-mentioned BANKS in the Colony of NEW ZEALAND, for the Quarter ended 31st DECEMBER, 1870.

Treasury, Wellington, 15th February, 1871.

J. WOODWARD, Assistant Treasurer.

THE NEW ZEALAND GAZETTE.

Printed under the authority of the New Zealand Government, by GEOEGE DIDEBUEY, Government Printer, Wellington.

### RESULTS

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## **OBSERVATIONS OF LONGITUDE**

BY

MERIDIAN TRANSITS OF THE MOON

TAKEN AT THE HUTT OBSERVATORY IN THE YEAR 1870.

WELLINGTON.

1871.

Supplement to the New Zealand Gazette, No. 12, 1871.

## 

#### RESULTS OF OBSERVATIONS FOR LONGITUDE BY MERIDIAN TRANSITS OF THE MOON

TAKEN AT THE HUTT OBSERVATORY IN THE YEAR 1870.

#### No. 1.

#### Mr. A. F. HALCOMBE to the Hon. W. GISBORNE.

Provincial Secretary's Office,

Wellington, 1st November, 1860.

I have the honor to forward the enclosed paper by the Chief Surveyor of this Province (Henry Jackson, Esq.), showing the results of observations taken during the present year at the Hutt, for the purpose of determining an initial longitude for the surveys of the Province.

I have, &c., A. Follett Halcombe,

Provincial Secretary.

The Hon. the Colonial Secretary, Wellington.

#### Enclosure in No. 1.

RESULTS of OBSERVATIONS for LONGITUDE by MERIDIAN TRANSITS of the Moon taken at the Hutt Observatory in the Year 1870.

THE instrument used for the observations to obtain the longitude at the Hutt Observatory, as given in the accompanying Table, is a 24-inch transit, of a new construction, by Troughton and Simms. The standards are half moon shaped and hollow, two inches radius at the base, and tapering slightly towards the Y's. They are fixed on a massive brass plate, which rests on three levelling foot-screws. The telescope has five transit wires and a right ascension micrometer wire, the cylindrical head of which is divided into 100 parts, each indicating 0".61. The axis level has a scale graduated into divisions of 1" value. The finding circle is 6 inches in diameter, and fixed to one of the pivots. It is read by two verniers.

The instrument is mounted upon a brick pier built with Portland cement, and sunk 5 feet below the surface of the ground. The pier is 5 feet 6 inches square at the base. It rises in a pyramidal shape to the level of the floor of the building, where it is 2 feet 4 inches square. It is then carried up square to a height of 4 feet above the floor. It is completely isolated from any contact with the ground or floor of the building from its base.

The building is octagonal, 7 feet 6 inches across, and has a roof revolving on eight cast-iron wheels upon a circular ring of angle iron. The shutters, one North and the other South, are 1 foot in breadth. They open upon hinges, and expose the meridian from horizon to horizon.

The collimation error was determined every month by measuring with the micrometer the distance of the centre transit wire from the meridian pole in both positions of the axis. Ten readings were taken, the instrument being reversed between each reading. Half the difference between the mean of the micrometer readings in each position of the axis, multiplied by 0.0407 s, is the collimation error of the centre wire, to which was applied the reduction to the mean wire. The result is the collimation error c of the Table. The positive sign is prefixed when the mean wire was West of the collimation axis.

The level error was determined by reading each end of the axis level in the two positions. The difference between the sums of the East and West readings divided by 4, and the remainder, multiplied by 0.067 s., is the level error b of the Table. The positive sign is given when the East readings of the scale were greater than the West readings. Level error was observed whenever time permitted immediately after a transit; but when this could not be done, an interpolated value was given to an invervening transit from the two determinations of level error preceding and following.

The azimuth error was determined for each night's observations in the following manner:—The difference between the micrometer readings of the collimation axis and centre of the meridian pole was observed in the evening, and again in the morning. This difference multiplied by 0''.61, and applied to  $360^{\circ} 00' 07''.9$  (the bearing of the centre of the meridian pole from the centre of the instrument), gave the azimuth of the collimation axis morning and evening. A proportional part of the differences between the morning and evening determinations for the time corresponding to the middle of the night's observations, was then applied to one of the determinations, and the result, divided by 15, with the positive sign prefixed when the collimation axis pointed East of North, was adopted for the azimuth error  $\alpha$  of the Table.

SIR,-

Date, 1870.	Star.	Position of Axis.	Ob	served by Si	Time dereal Wire	s of Tr Chron s.	ansit		eduction to ean Wire.	Instru	ımental ]	Errors.	Tra	e Meri- dian nsits by hron.	Daily rate of Chron.	ni St fo ep tr	shed b ar and r rate och of f	to the the first on the	Me	an Chron. Weigł		sion	t Ascen- is from rvations.	the	's ed t	educ Asc	ed from ensions Imanac mir	TUDE EAS the Tabu in the Na of Moon ( nations."	lar Right Jutical Jul-
			1	2	3	4	5	н	м в	a	Ъ	c	ни	t s	s	ни	t s	Weight.	н	MS	Probable Error.	нм	c s			I M	s	Probable Error.	Weight.
Sept. 2 """ """	Scorpii Moon I Ophiuchi Moon I	C.E. "	$\begin{array}{c} 00 \\ 22 \\ 22 \end{array}$	5 47 7 09 0 08	3 34·( 2 56·( 6 55·(	$\begin{array}{c c} 0 & 21 \\ 0 & 42 \\ 2 & 41 \\ 0 & 41 \\ \end{array}$	$\begin{array}{c} 0 & 07 \\ 2 & 28 \\ 5 & 28 \end{array}$		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		+0.27 +0.27 +0.21 -0.16	>> >>	$\begin{array}{c}14\\15\\1\\15\\1\end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	" +1.30	20	1 31·83	1.000  1.000	  2	  01  33·36		$1614 \\ 1714 \\ 1714$	4 27·72 4 05·87 8 27·59 4 28·49 8 27·45	0·11 0·11			56·18 53·54		0 <sup>.</sup> 860 0 <sup>.</sup> 860
yy         yy           yy         yy           yy         44           yy         yy           yy         yyy      yy         yy <td>Ophiuchi 21 Sagittarii Ophiuchi Sagittarii Moon I 21 Sagittarii Sagittarii</td> <td>&gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt; &gt;&gt;</td> <td>31 56 20 53 33 30 56</td> <td><math display="block">\begin{array}{c} 18 \\ 42 \\ 0 \\ 42 \\ 0 \\ 06 \\ 40 \\ 3 \\ 19 \\ 2 \\ 17 \\ 0 \\ 42 \\ \end{array}</math></td> <td>0 04.3 3 29.0 8 53.0 0 27.0 2 06.1 1 03.3 8 29.4</td> <td><math display="block">\begin{array}{c} 8 &amp; 51 \cdot 5 \\ 0 &amp; 15 \cdot 0 \\ 0 &amp; 39 \cdot 7 \\ 0 &amp; 13 \cdot 5 \\ 1 &amp; 52 \cdot 1 \\ 9 &amp; 50 \cdot 5 \\ 7 &amp; 16 \cdot 5 \end{array}</math></td> <td>5 38 0 01 7 26 5 00 1 38 5 3 03</td> <td>516 715 015 516 216 16 017</td> <td><math display="block">\begin{array}{cccccccccccccccccccccccccccccccccccc</math></td> <td></td> <td><math display="block">\begin{vmatrix} -0.12 \\ -0.19 \\ -0.20 \\ -0.09 \end{vmatrix}</math></td> <td>23 23 23</td> <td><math display="block">     \begin{array}{r}       161 \\       151 \\       151 \\       160 \\       161 \\       161 \\       170 \\       \end{array} </math></td> <td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td> <td>+0.60</td> <td><math>     \begin{array}{c}       2 &amp; 0 \\       2 &amp; 0 \\     </math></td> <td><math display="block">\begin{array}{cccccccccccccccccccccccccccccccccccc</math></td> <td>1.000 1.000 1.000  0.928 1.000</td> <td> </td> <td>01 34·44  </td> <td>0.029   </td> <td>181'     171'     171'     180'     181'     181'     190'</td> <td>7 38·29 4 03·10 8 27·39 6 01·13 5 40·19 7 38·26 2 03·88</td> <td><u>0</u>.10</td> <td>8 1</td> <td>1 39</td> <td><b>46</b>•<b>4</b>5</td> <td>5.3</td> <td>0.926</td>	Ophiuchi 21 Sagittarii Ophiuchi Sagittarii Moon I 21 Sagittarii Sagittarii	>> >> >> >> >> >> >> >> >> >> >> >> >>	31 56 20 53 33 30 56	$\begin{array}{c} 18 \\ 42 \\ 0 \\ 42 \\ 0 \\ 06 \\ 40 \\ 3 \\ 19 \\ 2 \\ 17 \\ 0 \\ 42 \\ \end{array}$	0 04.3 3 29.0 8 53.0 0 27.0 2 06.1 1 03.3 8 29.4	$\begin{array}{c} 8 & 51 \cdot 5 \\ 0 & 15 \cdot 0 \\ 0 & 39 \cdot 7 \\ 0 & 13 \cdot 5 \\ 1 & 52 \cdot 1 \\ 9 & 50 \cdot 5 \\ 7 & 16 \cdot 5 \end{array}$	5 38 0 01 7 26 5 00 1 38 5 3 03	516 715 015 516 216 16 017	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$\begin{vmatrix} -0.12 \\ -0.19 \\ -0.20 \\ -0.09 \end{vmatrix}$	23 23 23	$     \begin{array}{r}       161 \\       151 \\       151 \\       160 \\       161 \\       161 \\       170 \\       \end{array} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	+0.60	$     \begin{array}{c}       2 & 0 \\     $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.000 1.000 1.000  0.928 1.000	 	01 34·44  	0.029   	181'     171'     171'     180'     181'     181'     190'	7 38·29 4 03·10 8 27·39 6 01·13 5 40·19 7 38·26 2 03·88	<u>0</u> .10	8 1	1 39	<b>46</b> • <b>4</b> 5	5.3	0.926
37         37           37         7           37         37           37         37           37         37           37         37           37         37           37         37           37         37           37         37           37         37	Sagittarii Capricorni Capricorni Moon I Capricorni Aquarii Aquarii	>> >> >> >>	$     \begin{array}{r}       47 \\       31 \\       38 \\       53 \\       \end{array} $	$   \begin{array}{c}     33^{\circ} \\     3 \\     18^{\circ} \\     24^{\circ} \\     5 \\     5 \\     8 \\     05^{\circ}   \end{array} $	$egin{array}{c c c c c c c c c c c c c c c c c c c $	0 07 8 8 52 8 5 58 4 8 14 7 8 39 8	8 54 5 39 4 44 7 01 8 27	$\begin{array}{c} \cdot 2 \\ \cdot 8 \\ \cdot 8 \\ \cdot 9 \\ 19 \\ \cdot 8 \\ 19 \\ \cdot 8 \\ 19 \\ \cdot 0 \\ 19 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$   \begin{bmatrix}     -0.47 \\    $	$ \begin{array}{c c} -0.11 \\ -0.19 \\ -0.18 \\ , \\ -0.17 \\ , \\ \end{array} $	22 23 23 23 23 23 23	181 185 191 191 195 200	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.00 "" ""	$     \begin{array}{c}       2 & 0 \\       2 & 0 \\       \hline       2 & 0 \\       2 & 0 \\       2 & 0 \\       2 & 0 \\       2 & 0 \\       \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.000  0.928 1.000 1.000	· • • • • • • • • • • •	01 35·10	···· ···· ····	$20 1 \\ 20 5 \\ 21 1 \\ 21 1 \\ 21 5 \\ 22 0$	4 09.81 1 55.76 8 40.67 2 46.49 5 02.64 9 27.32 3 42.79	0.10	9 1	139	57.01	5.9	0.747
", 9 ", 9 ", " Oct. 3	Aquarii Moon I Aquarii Sagittarii	,, ,, ,, ,, ,, ,, ,,	$     \begin{array}{r}       41 \\       38 \\       56 \\       46 \\       46 \\     \end{array} $	$egin{array}{c} 9 & 29^{\cdot} \ 6 & 26^{\cdot} \ 8 & 44^{\cdot} \ 8 & 59^{\cdot} \ \end{array}$	$egin{array}{cccc} 3 & 16 \ 0 & 13 \ 2 & 31 \ 7 & 12 \ \end{array}$	4 8 19 ( 9 26 (	47 0 06 0 38		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \frac{3}{0} 3$	-0.17 -0.20	,,,	$\begin{array}{c} 20 \\ 21 \\ 317 \\ 8\end{array}$	4 16.63 6 12.94 7 31.48 7 12.77	$-{0.23}$	$\begin{array}{c} \dots \\ 2 \\ 2 \\ 0 \end{array}$	1 35.61	1.000 1.000	 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	····	$     \begin{array}{c}       22 5 \\       23 0 \\       19 3     \end{array} $	5 52.167 48.489 07.028 48.36	0·11	.6  1	139	54 <sup>.</sup> 60	6.2	0.223
»»»» »»» »»	57 Sagittarii Moon I Capricorni Capricorni Capricorni Capricorni	>> >> >> >> >> >>	38 <sup>-</sup> 23 <sup>-</sup> 38 <sup>-</sup> 01 <sup>-</sup> 39 <sup>-</sup>	$egin{array}{cccc} 6 & 51^{\cdot} \ 5 & 37^{\cdot} \ 9 & 52^{\cdot} \ 2 & 14^{\cdot} \ 5 & 52^{\cdot} \end{array}$	$egin{array}{cccc} 3 & 04 \\ 0 & 50 \\ 0 & 04 \\ 0 & 27 \\ 3 & \dots \end{array}$	$\begin{array}{c c}8 & 18 \\ \hline 5 & 04 \\ \hline 7 & 17 \\ 0 & 40 \\ 18 \\ \hline 18 \\ \end{array}$	$egin{array}{c c} 31 \\ 2 & 17 \\ 6 & 30 \\ 1 & 52 \\ 0 & 31 \end{array}$	·017 ·717 ·518 ·819 ·018	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$   \begin{bmatrix}     1 \\     3 \\     4 \\     2 \\     0 \\     -0.22 $	$\begin{vmatrix} & & & \\ & -0 & 05 \\ & & & \\ 2 & -0 & 04 \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & $	.,	17 5 18 5 19 1 18 5 18 5 19 1	8 04.76 8 50.61 7 04.72 8 27.00 7 05.17 8 27.48	-0.72	$     \begin{array}{c}       2 \\       2 \\       2 \\       2 \\       0     \end{array} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 1.000  1.000 1.000 0.928 1.000	  2	  01 35·10	  0 <sup>.</sup> 036	$     \begin{array}{r}       19 \\       20 \\       21 \\       20 \\       21 \\$	4 40 35 8 26 20 8 40 30 5 02 58 8 40 27 5 02 57	0 <sup>.</sup> 11			55·12		0.820
>> >> >> >> >> >> >> >>	Moon I Aquarii	,,	58	1 11.	6 24	9 <b>3</b> 8 :	1 51	019	$\begin{array}{c c} 10 & 27 \\ 48 & 24 \\ 74 \\ 41 & 09 \\ 82 \\ \end{array}$	ŀ ,,	,, _0.09	,,	194	8 24 71 1 09 8	,			1.000				21 4	9 59 78 2 44 88	0.11	.1  1	1 39	<b>52</b> ·98	6·2	0.677

TABLE OF OBSERVATIONS, &c.-continued.

Date, 1870.	Star.	Position of Axis.	1	by Sic	times dereal Wires	Chron			uction to n Wire.	Instru	mental I	Errors.	d Tran	Meri- lian leits by lron.	Daily rate of Chron.	Chron. Error fur- nished by each Star and reduced for rate to the epoch of the first transit on the given day.			Me	an Chron. Weigh	Error by its.	810118	Ascen- s from vations.	the		LONGITUDE EAST, Deduced from the tabular Rig Ascensions in the Nautical Almanac "Moon Cul- minations."			ar Right utical
			1	2	3	4	5	ни	ß	a	b	C	нм	s	S	ни	S	Weight.	н	MS	Probable Error.	нм	s		н	м	s	Probable Error.	Weight.
Oct. 5 " 6	74 Aquarii Capricorni Capricorni	C.W.	26.0	39.1	52.0	05.0	18	0 19 3	5 05.18 52.02				1933	505.19 52.10	-1.16	2 0	1 35·22 1 33·86	1.000	 2	 01 33·79	* 0 <sup>.</sup> 051	21 35	6 40·24 5 25·89	9					
22 22 22 22 23 7	Moon I Aquarii	>> >> >>	16.8	29.9	42.7	55.6	08	$\cdot 4203$	$\begin{array}{c} 3 20.18 \\ 42.68 \\ 12.04 \end{array}$	" —0`28	" —0·17	" ""	20 39	$\begin{array}{c} 8 & 20.24 \\ 0 & 42.70 \\ 1 & 12.10 \end{array}$	,,	. <b>.</b> .	1 33 <sup>.</sup> 73 1 32 <sup>.</sup> 71			 01 32·63	 0.051	22 41	) 54·03   16·44 5 44·73	1 0·116	11	39	49.57	6.6	0.298
""" """ "9	Moon I B.A.C. 8239 12 Ceti 13 Ceti	", C.E.	$   \begin{array}{c c}     06^{\cdot}2 \\     29^{\cdot}9 \\     20^{\cdot}7   \end{array} $	$19^{\cdot}2$ $42^{\cdot}5$ $08^{\cdot}2$	$   \begin{array}{c c}     31 \cdot 9 \\     55 \cdot 3 \\     56 \cdot 0 \\     56 \cdot 0   \end{array} $	44·4 08·0 43·4	57 20 31	0212 04213 1222	$\begin{array}{c} 3 \overline{1} \cdot 74 \\ 2 55 \cdot 22 \\ 1 55 \cdot 88 \\ 7 05 \cdot 08 \end{array}$	" —0° <b>3</b> 4	$\begin{vmatrix} -0.06 \\ -0.22 \end{vmatrix}$	," +0.03	$21\ 28\ 21\ 32\ 22\ 21$	8 31.66 2 55.17 1 55.83 7 05.03	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	$\begin{array}{c} 2 \\ 2 \\ 2 \end{array}$	1 32 <sup>.</sup> 56 1 30 <sup>.</sup> 96	1.000	 2			$23 \ 30 \\ 23 \ 34 \\ 0 \ 23 $	04-26 4 27-76 3 26-80 8 36-00	3 0 <sup>.</sup> 116 3	11	39	57·56	<b>7</b> ∙0	0.231
""" """ """	Moon I Moon II Piscium Tauri	>> >> >> >> >>	$\begin{array}{c} \\ 00^{\cdot}0 \\ 28^{\cdot}6 \\ 22^{\cdot}0 \end{array}$	44.6 47.1 16.0 09.0	3 34·7 ) ) 55·9	$\begin{array}{c c} 19^{\cdot}2 \\ 22^{\cdot}0 \\ 51^{\cdot}1 \\ 42^{\cdot}6 \end{array}$	2 06 ) 09 . 38 5 29	$   \begin{array}{c}         & 7  23  0 \\         & 5  23  0 \\         & 7  23  3 \\         & 4  2  5 \\   \end{array} $	l 31·90 3 34·66 7 03·61 3 55·78	" " —0·39	$\begin{vmatrix} -\ddot{0} \cdot 29 \\ -\ddot{0} \cdot 26 \\ -0 \cdot 23 \end{vmatrix}$	>> >>	$\begin{array}{c} 23 \\ 23 \\ 23 \\ 23 \\ 3 \\ 2 \\ 5 \end{array}$	l 31·85 3 34·61 7 03·49 3 55·49	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	$   \begin{bmatrix}     \\     \\     2 \\     0 \\     2 \\     0   \end{bmatrix}   $	$ \begin{array}{c c}\\ 1 31.09\\ 1 26.59 \end{array} $	 0.928 1.000	  2		···· ···	$ \begin{array}{c c} 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 3 \\ 4 \\ 5 \\ \end{array} $	8 02·80 5 05·50 8 34·48 5 22·11	0  0·120 3  0·113 3  1	11 11	39 39	57·88 51·54	7·3 7·2	0.488 0.502
""" """ ""	Tauri Moon II Geminor'm Geminor'm		$   \begin{array}{r}     38.7 \\     21.6 \\     05.9   \end{array} $	$     \begin{array}{c}       25 \\       08 \\       52 \\       52 \\       5     \end{array} $	) $11.7$ ) $54.6$ 5 $39.3$	57·8 40·7 26·0	$8 44 \\ 27 \\ 12$	$\begin{array}{c c} 8 & 3 \\ 0 & 3 \\ 7 & 4 \\ 7 & 4 \\ \end{array}$	$\begin{array}{c} 8 \\ 42.96 \\ 2 \\ 11.60 \\ 4 \\ 54.38 \\ 5 \\ 39.28 \\ 3 \\ 43.28 \end{array}$	, -0 <sup>.</sup> 31 "	$  \begin{array}{c} " \\ -0.25 \\ -0.31 \\ -0.36 \end{array}  $	,,	$\begin{vmatrix} 3 \\ 3 \\ 3 \\ 4 \\ 0 \end{vmatrix}$	8 42.68 2 11.31 4 54.16 5 39.10 3 43.12	—"·77	20	$\begin{array}{c c} 1 & 26.65 \\ & \dots \\ & \dots \\ & \dots \\ 1 & 24.86 \\ 1 & 27.71 \end{array}$	1.000  1.000 1.000	 2	···· 01 24·78 ····		5 08 5 5 6 6 07	0 09·30 3 37·93 6 18·94 7 03·87 5 07·8	3 0·116 4 0·116 7	11 11	39 39	51 <sup>.</sup> 62 51 <sup>.</sup> 21	6·4 6·2	0.635 0.677
29 99		"	100	1001	10 1	1 40 0	110	, , , <sub>m</sub> in,	, <b>10 2</b> 0	ı ,,	-030	Mean	Long	itude l	y Weig	ghts,	36 Obs	ervation	1 1.5	•••	!	• •			11	<b>3</b> 9	50 <sup>.</sup> 73	10	25.880
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TABLE OF OBSERVATIONS, &c.-continued.

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