VICTORIAN YEAR-BOOK, 1882-3.

PRELIMINARY REMARKS.

1. Victoria occupies the south-eastern portion of, and is the southern-Position of most colony* on, the Australian continent. It lies between the 34th and 39th parallels of south latitude and the 141st and 150th meridians of east longitude. Its extreme length from east to west is about 420, its greatest breadth about 250, and its extent of coast-line nearly 600 geographical miles.

2. The part of Australia now called Victoria was discovered by the Discovery. eminent explorer Captain Cook, in H.M.S. *Endeavour*. He made the land on the 19th April, 1770, and estimated a prominent point, which he named after Lieutenant Hicks, one of the officers of his vessel, who first observed it, to be in lat. 38° south, long. 148° 53' east. Cook, however, did not attempt to land, but passed on to other discoveries. It may be observed that Point Hicks appears to be identical with the present Cape Everard † in Gippsland, situated about midway between 'Cape Howe and the mouth of the Snowy River.

3. New South Wales was colonized in 1788, and for nearly ten years Early afterwards nothing was done towards the exploration of the southern shores of Australia. At length George Bass, a surgeon in the Royal Navy, started in a whaleboat, manned by six seamen, and, passing Cape Howe, coasted along that part of Victoria now called Gippsland, and rounding Wilson's Promontory—the southernmost point on the Australian continent—entered Western Port on the 4th June, 1798. He, however, returned to Sydney without discovering Port Phillip Bay, which was first entered on the 5th January, 1802, by Acting-Lieutenant John Murray, in command of the armed brig Lady Nelson. In the

month of October, in the following year, an attempt was made to colonize Port Phillip by Lieutenant-Colonel David Collins, of the Royal Marines, in command of a party of convicts. Collins, however, after the expiration of three months, abandoned the country as unfit for settlement, and for the next twenty years the district attracted but little attention; but in 1824 two explorers—Hume and Hovell—made their

A

Victorian Year-Book, 1882-3.

way overland from Sydney, and, on their return, gave a satisfactory report of the country, the result being that a convict settlement was soon afterwards founded on Western Port Bay, which, however, was in a short time abandoned, apparently on economic grounds. The first permanent settlement was formed at Portland Bay by Mr. Edward Henty, from Van Diemen's Land, as Tasmania was then called, who landed on the 19th November, 1834, and soon commenced to till the soil, run and breed stock, and carry on whaling operations. Others followed; but the absence of good land in the immediate vicinity of the port, and the openness of the bay, which rendered it unsafe for shipping during the prevalence of certain winds, caused it to be considered an unsuitable site for a capital, which was eventually founded on Hobson's Bay, at the northern extremity of Port Phillip, by two parties—one led by John. Batman, who landed on the 29th May, 1835, and the other by John Pascoe Fawkner, whose party arrived at the site of Melbourne on the 28th August of the same year. Both these were from Van Diemen's Land, and they were soon followed by others from the same island, and from Sydney, who brought stock with them, and commenced to push. their way into the interior. These were met by Major (afterwards) Lieutenant-Colonel Sir) Thomas Mitchell, who, entering from New South Wales on the north, and traversing a considerable portion of the then unknown territory, was so struck with its wondrous capabilitiesthat he named it Australia Felix-a title the aptness of which a subsequent knowledge of the geniality of its climate, the excellence of its soil, and the then unsuspected richness of its mineral treasures, has proved to be fully justified. The reports of Sir Thomas Mitchell and. the success of the first settlers caused great excitement, not only in the Australian settlements but in the mother-country. Herds of sheep and cattle, driven overland from New South Wales, speedily occupied the best parts of the new territory. Every available craft capable of floating was put into requisition to bring passengers and stock from Van Diemen's Land, and after a time shiploads of immigrants began to arrive from the United Kingdom. Regular government was first established under Captain William Lonsdale, who, having been sent from Sydney to take charge of the district, landed on the 29th September, 1836; and on the 2nd March of the following year Sir Richard Bourke, the Governor of New South Wales, visited it, and named the metropolis "Melbourne." Mr. Charles Joseph La Trobe arrived on the 30th September, 1839, having been appointed to the principal official position in the settlement under the title of Superintendent, which was changed to that of Lieutenant-Governor, when, on the 1st July, 1851, it was separated from New South Wales, and erected into a separate colony under the name of Victoria. Shortly afterwards, rich deposits of gold were discovered, the fame of which soon spread throughout the world, and led to a great influx of population. After a time some discontent arose amongst the diggers, in consequence of the oppressive character of the mining regulations, which culminated in riots, which occurred on the Ballarat gold-field towards the end of 1854. The disturbance was soon quelled, with some bloodshed on both sides, and the grievances complained of were afterwards redressed. A new Constitution giving responsible Government to the colony was proclaimed on the 23rd November, 1855, and since then, although political struggles have been frequent, and party feeling has at times run high, this has had no permanent effect in setting class against class, or in any way lessening the good feeling which exists between all sections of the community. $\mathbf{A}\mathbf{t}$ times commerce has been depressed; but this has soon revived, and the material prosperity of the colony has, upon the whole, enjoyed, is perhaps without a parallel in the history of any country.*

4. The following are the dates of some of the principal events con-Principal events. nected with the discovery and history of Victoria :---

1770. April 19th.—Victorian land first discovered by Capt. James Cook, R.N.— ("Point Hicks," believed to be either the present Cape Conran or Cape Everard in Gippsland).

1798. June 4th.—Western Port discovered and entered by Surgeon George Bass, R.N.

- " Nov. and Dec.—The existence of a strait between Australia and Tasmania proved by Flinders and Bass, who sailed round the latter island in the sloop Norfolk.
- 1800. Dec. 4th to 9th.—Bass's Straits first sailed through from the westward by Lieutenant James Grant, R.N., in H.M.S. Lady Nelson, of sixty tons burthen, bound from England to Port Jackson. On this occasion Grant discovered and gave the present names to Capes Bridgewater, Nelson, and Sir William Grant, Portland Bay, the Lawrence and Lady Julia Percy Islands, Capes Otway, Patton, Liptrap, &c.
- 1802. January 5th.—Port Phillip Bay discovered by Acting Lieutenant John Murray, R.N., in the Lady Nelson. Heads entered by the launch on February 2nd, and by the vessel on

February 15th.

" April 26th.—Port Phillip Bay entered and examined by Commander Matthew Flinders, R.N., who was not aware it had been previously discovered by Murray.

1803. Jan. and Feb.—Port Phillip Bay surveyed and the Yarra and Saltwater Rivers discovered by Charles Grimes, Surveyor-General of New South Wales, and party.

" October 7th.—Attempt to colonize Port Phillip by Colonel David Collins, in charge of a party of convicts.

* For a detailed account of the early history of Victoria, see Victorian Year-Book, 1874.

A 2

Victorian Year-Book, 1882–3.

- 1804. January 27th.—Port Phillip abandoned by Collins as unfit for settlement.
- 1824. Dec. 16th.—Hume and Hovell arrived at Corio Bay, having travelled overland from Sydney.
- 1834. Nov. 19th.—Permanent settlement founded at Portland Bay by Edward Henty.
- 1835. May 29th.—John Batman arrived in Port Phillip and made a treaty with the natives for a grant of 600,000 acres of land. This treaty was afterwards disallowed by the Imperial Government.
 - " August 28th.—John Pascoe Fawkner's party sailed up the Yarra in the *Enterprise* and founded Melbourne. (Fawkner followed shortly after, and landed on the 18th October.)
- 1836. April to Oct.—Major (afterwards Lieutenant-Colonel Sir) Thomas Livingstone Mitchell made extensive explorations in the Port Phillip District, the western portion of which he named Australia Felix.
 - " Sept. 29th.—Regular Government established under Captain William Lonsdale, who was sent from Sydney to act as Resident Magistrate.
- 1837. March 2nd.—Governor Sir Richard Bourke arrived from Sydney and gave the name of Melbourne to the metropolis of the new settlement.
 - " June 1st.—First sale of Crown lands took place in Melbourne. Average price of half-acre town lots, £35.
- 1839 Sept. 30th.—Mr. Charles Joseph La Trobe arrived from Sydney and took charge of the Port Phillip District under the title of Superintendent. The territory over which he exercised jurisdiction was much smaller than the present colony of Victoria, being bounded on the east and west by the 146th and 141st meridians and on the north by the 36th parallel. (For boundaries of Victoria see next paragraph.)
- 1842. August 12th.—Melbourne incorporated as a Town by Act of the Legislature of New South Wales 6 Vict. No. 7.
- 1847. June 26th.—Royal Letters Patent erecting the Town of Melbourne into a City signed at this date; gazetted in Sydney on the 5th February, 1848.
- 1849. October 12th.—Geelong incorporated as a Town by Act of the Legislature

of New South Wales 13 Vict. No. 40.

- 1851. July 1st.—Port Phillip separated from New South Wales and erected into an independent colony under the name of Victoria.
- " July and Aug.—Discovery of gold in Victoria.
- 1853. February 8th —Road districts (the origin of the present shires) established by Act 16 Vict. No. 40.
- 1854. November. —Riots on Ballarat gold-field. (Eureka Stockade taken on the 2nd December.)
 - " Dec. 29th.—Municipal institutions (the origin of the present cities, towns, and boroughs) established by Act 18 Vict. No. 15.
- 1855. Nov. 23rd.—Constitution proclaimed in Victoria.

- 1856. March 19th.—The ballot as a means of electing members of both Houses of Parliament prescribed by Act 19 Vict. No. 12.
- 1857. August 27th.—Property qualification of members of the Legislative Assembly abolished by Act 21 Vict. No. 12.
 - "Nov. 24th.—Universal suffrage for electors of the Legislative Assembly made law by Act 21 Vict. No. 33.
- 1869. January 1st.—Property qualification of members and electors of the Legislative Council reduced by Act 32 Vict. No. 334.
- 1880. February 6th.—Fortnightly mail service between Victoria and England commenced.
 - " October 1st.—First Victorian International Exhibition opened. It was closed on the 30th April, 1881.
- 1881. Nov. 28th.—Property qualification of members and electors of the Legislative Council further reduced, number of provinces and members increased, and tenure of seats shortened by Act 45 Vict. No. 702.

5. On the north and east Victoria is bounded by the River Murray, Boundaries. and by a right line running in a south-easterly direction from a place near the head waters of that stream, called The Springs, on Forest Hill, to Cape Howe. On the west it is bounded by South Australia, the dividing line being about 242 geographical miles in length, approximating to the position of the 141st meridian of east longitude, and extending from the River Murray to the sea. The southern boundary is formed by the Southern Ocean, Bass's Straits, and the Pacific Ocean.

6. According to the latest computation, the area of Victoria is Area of 87,884 square miles, or 56,245,760 acres. The whole continent of Australia is estimated to contain 2,944,628 square miles, and therefore Victoria occupies about a thirty-fourth part of its surface. Great Britain, exclusive of the islands in the British seas, contains 89,644 square miles, and is therefore somewhat larger than Victoria.

7. The southernmost point in Victoria, and consequently in the Extreme whole of Australia, is Wilson's Promontory, which lies in latitude Victoria. $39^{\circ} 8' \text{ S.}$, longitude $146^{\circ} 26' \text{ E.}$; the northernmost point is the place where the western boundary of the colony meets the Murray, latitude $34^{\circ} 2' \text{ S.}$, longitude $140^{\circ} 58' \text{ E.}$; the point furthest east is Cape

Howe, situated in latitude 37° 31' S., longitude 149° 59' E.; the most westerly point is the line of the whole western frontier, which, according to the latest correction, lies upon the meridian 140° 58' E., and extends from latitude 34° 2' S. to latitude 38° 4' S., or 242 geographical miles.

8. The Melbourne Observatory is a building specially erected for Position of Melbourne. observatory purposes in the Government reserve on the south side of the River Yarra. According to the latest computation, its latitude is 37° 49′ 53″ south, and its longitude 144° 58′ 42″ east.

Victorian Year-Book, 1882-3.

Latitudes and longitudes. 9. Subjoined is a statement of the latitudes and longitudes of the principal towns in, and most prominent points on, the coast of the colony of Victoria, according to the latest information available :---

Name of Place.	Latitude S.	Longitude E.	Name of Place.	Latitude S.	Longitude E.
Alexandra Amherst Ararat Avoca Ballarat Beechworth Belfast Benalla Buninyong Cape Bridgewater ,, Everard , Howe , Liptrap Nelson	Latitude S. $ \begin{array}{c} \circ & \\ 37 & 12 \\ 37 & 8 \\ 37 & 17 \\ 37 & 6 \\ 37 & 33 \\ 36 & 22 \\ 38 & 23 \\ 36 & 33 \\ 36 & 33 \\ 37 & 39 \\ 38 & 24 \\ 37 & 49 \\ 37 & 31 \\ 38 & 55 \\ 38 & 26 \\ \end{array} $	Longitude E. $^{\circ}$ ' 145 43 143 40 142 57 143 29 143 52 146 41 142 14 145 59 143 53 141 25 149 17 149 59 145 55 141 32	Name of Place. Hamilton Inglewood Jamieson Kilmore Lakes' Entrance Maldon Maryborough Melbourne Point Lonsdale Point Nepean Portland Pyramid Point Queenscliff Sale	Latitude S. \circ ' 37 45 36 35 37 18 37 18 37 53 37 0 37 3 37 50 38 18 38 18 38 18 38 21 38 32 38 16 38 6	Longitude E. $ \begin{array}{c} \circ & '\\ 142 & 1\\ 143 & 53\\ 146 & 9\\ 144 & 57\\ 148 & 2\\ 144 & 57\\ 148 & 2\\ 144 & 57\\ 144 & 59\\ 144 & 37\\ 144 & 40\\ 141 & 37\\ 145 & 14\\ 144 & 40\\ 147 & 4 \end{array} $
,, Otway ,, Otway ,, Paterson ,, Schanck ,, Woolamai Castlemaine Clunes Creswick Dunolly Echuca Geelong	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Sandhurst Seymour Smythesdale St. Arnaud Stawell Talbot Wangaratta Warrnambool Williamstown Wilson's Promontory	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

LATITUDES AND LONGITUDES* OF PLACES IN VICTORIA.

Latitudes and longitudes of Australasian capitals. 10. The following are the latitudes and longitudes of the capital cities of the different Australasian colonies :---

I

LATITUDES AND LONGITUDES* OF CAPITALS OF AUSTRALASIAN COLONIES.

Colony.		Capital City.							
		Name.			Latitude S.		Longitude E.		
Victoria New South Wales Queensland South Australia Western Australia Tasmania New Zealand	•••• ••• ••• •••	Melbourne Sydney Brisbane† Adelaide Perth Hobart Wellington	••••	$^{\circ}$ 33 27 34 31 42 41	, 49 51 27 57 20 53 16	${ { { } { { } { } { } { } { } { } { } {$	° 144 151 153 138 115 147 174	${}^{\prime}_{58} \\ {}^{12}_{2} \\ {}^{35}_{6} \\ {}^{20}_{47} \\ {}^{47}_{7}$	$'' \\ 42 \\ 42 \\ 40 \\ 0 \\ 43 \\ 7 \\ 25$

* For the purpose of determining Australian longitude with absolute correctness, direct telegraphic communications have recently been exchanged with the Greenwich Observatory. When the results are known, it is probable that the present figures will require some alteration.

† Mr. W. J. Blakeney, Deputy Registrar-General of Queensland, informs me that, according to the most recent observations, the Brisbane Observatory appears to be in latitude 27° 28' 14" S., longitude 153° 1' 47' 40" E. These observations, however, have not been accepted as final.

11. Victoria is traversed, with more or less regularity, throughout its Physical feaentire length from east to west, by a chain of mountains and lesser hills, completely dividing it into two parts, and known as the Dividing Range. The summit of this range runs generally at a distance of 60 or 70 miles from the coast. The streams to the north of it flow towards the River Murray, and those to the south of it towards the sea. The eastern part of the range, which divides the Gippsland district from that of the Murray, is named the Australian Alps; and that part which separates the county of Ripon from that of Borung, and extends into the county of Kara Kara, is named the Pyrenees. The higher peaks of the Dividing Range are covered with snow for several months in the The mountainous country is, for the most part, densely wooded year. to the very summits with fine timber, but the peaks above the winter snow-line are quite bare, or only partially covered with dwarfed trees or shrubs. From near Kilmore eastward, a distance of 200 miles, the mountains generally are so steep and inaccessible as to present a considerable barrier between the parts of the colony north and south of them, and they can only be traversed with great labour by the few passes that exist. From Kilmore westward the range rapidly dwindles, so that, although presenting in places points of considerable heightsuch as Mount William and Mount Macedon-it is easily crossed. From Mount Macedon it becomes, as it stretches away to the Western district, a chain of hills, in parts only of considerable altitude, and offering no serious obstructions to crossing in very many places. That portion of the Murray basin commencing at Wodonga on the east as a point, and extending in the form of a regular triangle to a width of 200 miles along the western boundary of Victoria, has almost a flat surface, with a very slight inclination towards the Murray. The remaining country north and south of the Dividing Range and its spurs is moderately undulating; it is in some parts destitute of timber, but closely wooded in others. Besides the main Divide, there are also other ranges in different parts of the country, many of them being offshoots of the primary chain; the highest peaks, however, are found in the

Dividing Range and its branches between St. Clair and the eastern boundary of Victoria.

12. The following list of the principal mountains and hills in Mountains Nictoria, which contains also a statement of the name of the county in which they are respectively situated, and of the elevation of the most important peaks above the level of the sea, has recently been corrected for this work by the Government Astronomer, Mr. R. L. J. Ellery, F.R.S., according to the latest information in the possession of his department:— MOUNTAINS AND HILLS.

Name of Mountain.	County.	Approximate Height above Level of Sea.	Name of Mountain.	County.	Approximate Height above
		feet.			feet
Abrupt	Dundas	2,724	Boundary Hill	Anglesey	
Acland	Polwarth		Bowen	Croajingolong	<u></u>
Aitken	Bourke		Brenanah	Gladstone	
Aitken's Hill	Bourke	1,608	Brigg's Bluff	Borung	
Alexander	Talbot	2,435	Brock's Hill	Bourke	
Alexander's Head	Bourke		Brown's Hill	Heytesbury	
Alexina	Anglesey		Bryarty's Hills	Evelyn	_
Almond, Peak of	Ripon …		Buangor	Kara Kara	3,24
Anakie, Mount	Grant	1,327	Buckle	Croajingolong	1,4
Angus	Tanjil		Buckrabanyule	Gladstone	·
Arapiles	Lowan	1,176	Budgee Budgee	Tanjil	_
Ararat	Ripon	2,020	Buffalo Mountains	Delatite	5,64
Ararat	Mornington		Bulla Bulla	Croajingolong	
Arnold	Wonnangatta		Bullancrook	Bourke	2,3
Arthur's Seat	Mornington	1,031	Bullarook	Talbot	2,4
A +1-interior	Donil-o		Buller	Wonnangatta	5,9
A	Kara Kara	2,464	Bullioh	Benambra	2,3
	Danma	4,507	D	Connt	2,3
	Rinon	1,117		Dodnor	<i>2</i> ,1
Balmattum Range	Dolatita	<u>+</u> ـــر		Benambra	4,1
	Dundag		Burrowye Burrumbeep Hill	Dinon	т, т,
\mathbf{D}_{1}	T).1.1.1.		· _ *	I (M = 11)	
Baranhet			Bute	Grenville	
Baringhup	Talbot		Byron	Lowan	
Barker	Talbot		Callender	Ripon	
Bernard	Delatite		Camel	Rodney	
Bass Range	Mornington		Cameron	Talbot	
Battery, or Beolite	Delatite		Cann	Croajingolong	1,7
Baw Baw	Evelyn		Cannibal Hill	Mornington	
Bealiba	Gladstone		Carlyle	Croajingolong	1,1
Bear's Hill	Bendigo		Cardinal, The	Ripon	
Beckwith	Talbot	2,087	Castle Hill	Borung	-
Bellarine	Grant	463	Castle Hill	Wonnangatta	4,8
Benambra	Benambra	4,940	Cathedral	Anglesey	2,1
Ben Cruachan	Tanjil	2,765	Cavendish	Dundas	
Bindi	Tambo		Cavern	Talbot	
Bendock	Croajingolong		Chalamber	Ripon	1,5
Ben Nevis	Kara Kara	2,875	Challicum	Ripon	1,5
Big Hill	Bourke		Chaucer	Normanby	·
Big Hill	Evelyn		Christmas Hills	Evelyn	<u>م</u> مي
Birch Hill	Talbot		Clay	Normanby	6
Black Mount	Rodney		Cobbler	Delatite	5,3
Black Hill	Grant	2,310	Cobberas	Tambo	6,0
Black Hill	Grenville		Coghill's Hill	Talbot	
Black Range	Anglesey		Cole	Ripon	-
Black Range	Polwarth		Colite	Grant	
Black Range	Lowan		Concongella	Borung	1,3
Blackwood, or	Bourke	2,432	Concord	Anglesey	1,5
Myrniong	}	,	Conical Hill		
Bland	Bourke		Consultation	Talbot	_
Blowhard	Ripon			Croajingolong	
Blue Mountain	Rourko			Bonombro	20
Rhu Rango	Delatita			Benambra	3,2
Demonson Demons	Domona	6,508	Cope Corranwarrabul	Bogong	6,0
Rolonom	Kara Kara	1,225	Cottom:11	Mornington	- 1
Rolm	Domomolous	2,860	Cummingham	Bourke	
Dalian	Talbot	4,000	Cunningham	Anglesey	1,9
Roswoll	D'	1 7/0	Dandenong	Evelyn	2,0
Doswell		1,748	Dargo Hill	Dargo	- 1
Boulder	Buln Buln	1,725	Darriwil	Grant	

MOUNTAINS AND HILLS-continued.

Name of Mountain.	County.	Approximate Height above Level of Sea.	Name of Mountain.	County.	Approximate Height above Level of Sea.
		feet.			feet.
Dawson	Tambo		Heath Point	Normanby	627
Deddick	Croajingolong	<u> </u>	Hermit	Bogong	
Deboobetic	Kara Kara		Hesse	Grenville	 ,
Delegete Hill	Croajingolong	4,318	Hoddle Range	Buln Buln	
Despair Difficult	Anglesey	9 657	Holden	Bourke	
	Borung Bogong	2,657	Hollowback Hill	Talbot	
Dingle Range Diogenes	Bogong Bourke		Hooghly Hope	Gladstone Gunbower	
Direction	Kara Kara		Hope Hore's Hill	Benambra	
Disappointment	Bourke	2,637	Hotspur	Villiers	
Drummond	Borung		Hotham	Bogong	6,100
Dryden	Borung		Howe Hill	Croajingolong	1,292
Dundas	Dundas	1,535	Howitt	Delatite	5,715
Duneed	Grant		Hume's Range	Bourke	
Eccles	Normanby	590	Hunter	Buln Buln	1,136
Eckersley	Normanby	529	Ida	Rodney	1,537
Egbert Egerton	Gladstone Grant		Jeffcott	Kara Kara	 339
1 11 1 1	Grant Hampden	1,294	Jenkins Juliet, Mount .	Weeah Evelyn	3,625
Elephant	Mornington	530	Kangaroo Range	Normanby	J,02J*
Ellery	Croajingolong		Kay ,	Croajingolong	3,284
Emu	Ripon	1,687	Keilawarra	Moira	
Emu	Hampden		Kent	Wonnangatta	5,129'
Enterprise	Wonnangatta		Kerang	Gladstone	
E rip	Grenville	1,539	Kerang	Gunbower	
Everard	Croajingolong	1,200	Kerange Moorah	Polwarth) (•
Fainter	Bogong		Kersop Peak	Buln Buln	740 *
Fainting Range	Tambo	0 110	Kincaid	Normanby	655
Fatigue	Buln Buln	2,110	Kinross	Hampden	908
Feathertop Ferguson's Hill	Bogong Polwarth	6,303 708	Kirk's Hill Koala	Ripon Dalhousie	
Forest Hill	Tambo, on	5,000	Koala Koang	Hampden	891
	the N.S.W.	0,000	Kooroongh	Talbot	
	frontier		Kooyoora	Gladstone	<u>`</u> `
Forest Hill	Talbot		Korong	Gladstone	1,408
Franklin (Larne-	Talbot	2,092	Kororoit	Bourke	
barramul)			Kurtweeton	Hampden	
Franklin Range	Bogong		Lady Franklin	Bogong	1,789
Fyans	Hampden	957	Lady Mount	Ripon	
Gap	Talbot Talbot		Langdale Pike Landsborough Hill	Polwarth Kara Kara	1,903
Gaspard	Grenville	871	Langi Ghiran	Ripon	3,123
Genoa Peak	Croajingolong	1,611	La Trobe	Buln Buln	2,434
George	Polwarth		La Trobe's Range	Polwarth	
Gibbo Range	Benambra	5,764	Lawaluk	Grenville	
Glasgow	Talbot		Leading Hill	Mornington	<u> </u>
Glenrowen	Moira	1,680	Leinster	Dargo	`
Gnarogein	Hampden		Leura	Hampden	1,030
Good Morning Bill	Ripon	1,716	Lianiduk	Karkarooc	
Gowar	Gladstone		Liptrap	Buln Buln Karkarooc	55 1
Graham	Evelyn Benambra	3,620	Loinman	Mornington	
Granya Green Hill	Benambra Dalhousie	0,020	Lyall Macedon	Bourke	3,324
Green Hill	Grenville		Mackenzie	Anglesey	
Greenock	Talbot		Mackersey	Dundas	
Hamilton	Hampden	1,050	Magdala	Wonnangatta	 .
					*
Hardie's Hill Hat Hill	Grenville Delatite	2,544	Maindample Major	Delatite Moira	1,251

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MOUNTAINS AND HILLS-continued.

						_
Name of Mount	ain.	County.	Approximate Height above Level of Sca.	Name of Mountain.	County.	Approximate Height above Level of Sca.
			fact			feet.
Mannibadar Maramingo Martha	•••	Grenville Croajingolong Mornington	feet. 1,274 544	Red Hill Red Hill (Mount Weejort)	Buln Buln Ripon	1,211
Martin	•••	Bogong		Richmond Hill	Normanby	727
Matlock	•••	Wonnangatta	4,544	Riddell	Evelyn	
Maxwell	•••	Anglesey	740	Ross	Ripon	
Melbourne Hi		Bourke		Rouse	Villiers	1,220
Meningorot		Hampden	766	Ruskin	Normanby,	
Mercer		Grenville			Initial point	
Meuron	•••	Polwarth			of boundary	
Misery	• • •	Ripon			line with S.A.	
Mitchell	•••	Talbot		Sabine	Polwarth	1,912
Moliagul	•••	Gladstone	<u> </u>	Samaria	Delatite	3,138
Mournot		Ripon		Sargent	Talbot	
Monda	•••	Evelyn		Scobie	Rodney	
Monk, The	•••	Talbot		Selwyn	Wonnangatta	
Moolort	• • •	Talbot Talbot		Separation Shadwell	Delatite Hampden	962
Moorokyle Moornambool	•••	Dinon		Shadwell Sherwin's Range	Evelyn	502
36 3	•••	Talbot		Shillinglaw	Wonnangatta	
Moorul Moriae	•••	Grant	839	Serra Range	Dundas	
Mormbool	•••	Dalhousie	-	Singapore	Buln Buln	451
Mueller	•••	Tanjil		Singleton	Wonnangatta	
Murindal	•••	Tambo		Sister Rises	Hampden	
Murramurrangbon		Bogong		Sisters	Anglesey	
Myrtoon		Hampden	713	Skene	Wonnangatta	4
Nanimia	•••	Ripon		Smeaton	Talbot	
Napier	• • •	Normanby	1,453	Snake's Ridge	Buln Buln	
Navarre Hill	• • •	Kara Kara	1,355	Snodgrass	Anglesey	
Nibo	•••	Anglesey		Spring Hill	Gladstone	
Noorat	•••	Hampden	1,024	Spring Hill	Ripon	••
Norgate	•••	Buln Buln	1,390	Spring Hill	Talbot	
Notch Hill	•••	Dargo	4,625	Stanley	Bogong	3,444
Nowa Nowa	•••	Tambo	1 000	Station Peak	Grant	1,154
Oberon	•••	Buln Buln	1,968	Stavely Range	Villiers	1,070
Ochtertyre One-mile Hill	• • •	Bogong Talbot		Steel's Hill Steiglitz	Evelyn	
*One-tree Hill	•••	Fuelwn		CUT I	Bourke	*
One-tree Hill	•••	Normanby		QL Q.	Bogong Polwarth	•
Paradox	•••	Anglesey		St. George St. Leonard's	Tran	
Peter's Hill	•••	Polwarth	1,280	St. Mary's Hill	Din an	
Pierrepoint		Normanby	936	Strathbogie Ranges	Dalatita	
Pilot Range	•••	Bogong	6,020	Sturgeon	Dundas	1,946
Pine Mount		Benambra		Sugarloaf (Bear's)	Evelyn	~, ° 1 °
Pininbar	•••	Benambra	4,100	, (Mt. Piper)		-

Pininbar	Benambra	4,100	[] , $(Mt. Pi)$	per)	Dalhousie	
Pisgar	Ripon	-	Suggan Buggan	L ,	Tambo	
Pleasant	Rodney		Survey Peak		Anglesey	-
Pollock	Grant		Table Top	• • •	Delatite	
Porndon	Heytesbury	947	Talbot	• • •	Lowan	
Powlett's Hill	Talbot		Talgarna		Benambra	2,101
Prospect	Anglesey	1,025	Tambo		Benambra	4,700
Puckapanyal Hill	Dalhousie		Tamboritha		Wonnangatta	
Puzzle Range	Anglesey		Tara		Tombo	2,016
Pyramid Hill	Gunbower		Tarrangower	•••	Talbot	2,131
Quoin Hill	Talbot		Taylor	•••	Danas	1,571
Raven's Hill	Kara Kara		Telegraph Hill	•••	Rinon	1,854
Ravenscroft Hill	Ripon		Templar	•••	Tatabara	1,001
Raymond	Croajingolong		Tennyson	• • • •	Croajingolong	
		500	- 0mm j 50m	•••	oroajingoiong	0,722
-	1		1	,		1

Name of Mountain.	County.	Approximate Height above Level of Sea.	Name of Mountain.	County.	Approximate Height above Level of Sea.
Terrick Terrick Thackeray Timbertop, or War- rambat Tingaringy Tom's Cap Tooboorac Hills Tooboorac Hills Torbreck Towanga Tower Hill Tower Hill Trawoul Twins, The Upton Hill Valentia Valentia Vandyke Vereker Victoria Range Vite Vite Wallace Wallerson	Gunbower Dundas Wonnangatta Croajingolong Buln Buln Tambo Dalhousie Anglesey Bogong Villiers Anglesey Delatite Tanjil Wonnangatta Normanby Buln Buln Dundas Hampden Benambra Grant Tambo	feet. 	Warrambal Warrenheip Warrion Hill, Gt. Warrnambool Watershed Hill Weejort Wellington (Mt. Gisborne, Strze- lecki, Nap-Nap- Marra) Wermatong Whittaker's Widderin William William Wills Wills Wilson Wilson Wilson Wilson Wiridgil Wombat Hill Yandoit Hill Zero, Mount	Wonnangatta Grant Grenville Hampden Ripon (See Red Hill) Mornington Tanjil Benambra Croajingolong Hampden Ripon Bogong Buln Buln Bourke Hampden Delatite Talbot Borung	feet. 2,463 921 712 314 5,363 1,132 3,827 5,758 2,350 2,659 2,659

MOUNTAINS AND HILLS—continued.

13. The rivers in Victoria are, for the most part, inconsiderable, and Rivers many of them are liable to be partially dried up during the summer months, so as to be reduced at that season to mere chains of pools or waterholes. With the exception of the Yarra, on the banks of which the metropolis is situated; the Goulburn, which empties itself into the Murray about eight miles to the eastward of Echuca; the Murray itself, and the La Trobe and Mitchell in Gippsland, not one of them is navigable except by boats. As, however, they drain the watershed of large areas of country, some have already been, and others will ultimately be, made feeders to permanent reservoirs and canals for the purposes of irrigation, gold-washing, and manufactures. The Murray, which forms the northern boundary of the colony, is the largest river in Australia. Its total length is 1,300 miles, for 980 of which it flows along the Victorian border. Several of the rivers in the north-western portion of the colony have no outlet, but are gradually lost in the absorbent tertiary flat country through which they pass. The names and lengths of the principal Victorian rivers, with their positions and approximate lengths-originally supplied by the Survey Department, and recently corrected by Mr. A. J. Skene, Surveyor-General of Victoria, according to the latest information-are as follow :--

RIVERS.

Name of River.	Position.	Approximate Length.
		Miles.
Aberfeldy	Tanjil. Falls into Thomson	30
Acheron	Anglesey. Falls into Goulburn, 4 miles S. of Alexandra	$\begin{array}{c} 35\\ 25\end{array}$
Aire	Polwarth. Falls into sea, 6 miles W. of Cape Otway	$\frac{20}{30}$
Arthur's Creek Avoca	Evelyn. Falls into Yarra Yarra Tatchera, and western boundary of Gladstone	163
Avoca Avon, or Dunlop	The fill Flower into I also Wallington	60
Avon	Kara Kara. Source about a mile N. of Navarre	55
Back Creek	Moira. Falls into Broken Creek	60
Back Creek	Villiers. Falls into Moyne	25
Baillie's Creek	Ripon. Falls into Mount Emu Creek	20
Barclay		20 20
Barr Creek	Quant Dung into Talza Connomonia port of W	20 95
Barwon	boundary of county	00
Bass	JAT ' I THE STAR Washers Down Book Hood I	35
Benambra Creek		45
Bet Bet Creek	Between Talbot and Gladstone. Falls into Loddon	70
Big		32
· · · • '	field	
0	Polwarth. Falls into Barwon	20
Black		24 20
Boggy Creek	Tambo. Falls into Tambo	25
Boort Creek Bream Creek	Count Tolls into the see W of Demonstrate	30
Bream Creek Broadbent Creek		25
Brodribb	C The line of the Dimension of the second here with	80
Broken	Delatite and Moira. Joins Goulburn 2 miles S. of	120
	Shepparton	
Broken Creek		120
Durlan Currl	near Lake Moira	90.
Broken Creek	Duin Duin Falls into Chool Inlat	$\begin{array}{c c} 20\\ 25 \end{array}$
Bruthen Creek Buchan	$\mathbf{T}_{\mathbf{r}}$	75
Buckland	T T A	35
Buffalo		50
Bullabul Creek		30
Bullarook Creek		35
Bundarrah		25
Ð	Mitta	
Buneep	Part of eastern boundary of Mornington	
Burnt Creek		30
Burrumbeet Creek	Burrumbeet	35
Campaspe		150
Cann		$\frac{150}{25}$
•·•	Cape Everard	
Castle Creek		50
Chetwynd	Dundas. Falls into Glenelg	30
Cherry-tree Creek	Kara Kara. Falls into Avoca	25
Cobungra Creek	Bogong. Falls into Victoria	30
Cochrane's Creek		20
Coliban		60
Convetore Creat-	Dalhousie. Flows into Campaspe	00
Cooyatong Creek		20
Concongella Creek Cornella Creek		30
Crawford	Rodney. Falls into Lake Cooper Normanby. Joins Glenelg at Dartmoor	35 45
Cudgee Creek	Hevtesbury, Falls into Honkins	25
		40

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RIVERS—continued.

Name of River.	Position.	Approximate Length.
Cudgewa Creek Curdie's River	Benambra. Falls into Murray 8 miles N. of Towong Heytesbury. Flows from Lake Purrumbete. Falls into	Miles. 50 50
Curryong Creek Dabyminga Creek Dandenong Creek	sea 28 miles S.E. from Warrnambool Benambra. Falls into Murray 3 miles N. of Towong Anglesey, western boundary. Falls into Goulburn Mornington, western boundary. Falls into Port Phillip Bay	55 35 30
Dargo Darlot's Creek Delatite, or Devil's River	Dargo. Joins Mitchell River	85 25 60
Deegay Ponds Doma Mungi Drysdale Creek Dundas	Dalhousie.Falls into GoulburnBogong.Falls into MurrayVilliers.Falls into MerriDundas.Joins Wannon 1½ miles W. of Cavendish	20 45 25 20
Dunmunkle Creek Dwyer's Main Creek Emu Creek	Borung. Effluent of Wimmera Normanby. Falls into Wannon Bourke. Falls into Saltwater	60 25 30 80
Ferrer's Creek Fiery Creek Fitzroy	Normanby.Falls into Lake YambukGrenville.Falls into Woady YaloakRipon.Falls into Lake BolacNormanby.Falls into Portland BayDelatite.Falls into Delatite	35 90 35 20
Franklin Fyan's Creek Gellibrand	Buln Buln, at Corner Inlet, W. of Welshpool Borung. Falls into Lake Lonsdale Heytesbury. Falls into sea 23 miles W. of Cape Otway	25 30 75
Genoa Gibbo Glenelg	Croajingolong. Falls into sea 12 miles S.W. of Cape Howe Benambra. Falls into Mitta Mitta	25 281
Gnarkeet Ponds Goulburn	rangamite	30 345
Gunbower Creek	Murray 6 miles E. of Echuca Villiers. Falls into Hopkins Bendigo. Falls into Murray	25 75
Happy Valley Creek Henty's Creek Hodgson's Creek Holland	Bogong.Falls into OvensNormanby.Falls into WannonBogong.Falls into OvensDelatite.Source at Wombat Hill and Tabletop.Joins	$ \begin{array}{c c} 20 \\ 25 \\ 20 \\ 45 \end{array} $
Hopkins Howqua	Broken River at Benalla Villiers. Falls into sea at Warrnambool Wonnangatta. Rises at Mount Howitt. Falls into Goulburn	$\begin{vmatrix} 155\\45 \end{vmatrix}$
Hughes' Creek Indigo Creek	burn Bogong. Falls into Murray	50 20
Jackson's Creek Jamieson Jim Crow Creek Jingallala	Bourke. Falls into Saltwater Wonnangatta. Falls into Goulburn Ripon, part of southern boundary. Falls into Loddon Croajingolong. Joins Snowy from eastward	55 60 35 37
Joyce's Creek Kiewa	Ripon. Falls into Middle Creek Bogong. Falls into Murray 8 miles below confluence of Mitta Mitta with Murray	35 95
King King Parrot Creek	Delatite.Joins Ovens at WangarattaAnglesey.Falls into Narrangeanong	90 20

* Length in Victoria only; total length 60 miles.

RIVERS—continued.

Name of River.	Position.	Approximate Length.
17	Normanha Falla into Wannon	Miles. 35
Koroit Creek Kororoit Creek		40
Lang Lang		30
La Trobe	The Wellington Doundows	135
	between Tanjil and Buln Buln	
Leigh (see Yarrowee).		2 F
Lerderderg	TO I TITI ' TTT 'L De se harry Manah	35
Lindsav	Millewa. Falls into Murray	35
Little	Grant. Falls into Port Phillip Bay	40
Little	Tambo. Falls into Tambo	20
Little Woady Yaloak	Grenville. Falls into the Woady Yaloak	20
Loddon	Talbot, and western boundary of Bendigo and Gun-	225
Ν.Γ	bower. Joins Murray at Swan Hill	100
Macallister	Tanjil. Falls into Thomson	100 35
Marraboor		35 20
Mather's Creek		40
Merri Merri Merri Creek		50
	ד בר	60
	Dimen Talla into Loddon	40
דר דייד אר	Dian Jame Later Dance and Transit Tolly into Tala	80
MIITCHEII	King	00
Mitta Mitta		175
McKenzie	Deman Eally into Winners 5 miles W of Henchese	55
Moondara	לדו דו דו איז	35
Moorarbool	Court Toine Description of Theory Coulomb	80
Moroka	TTT TITT TITT THE TO TI NT CAR I	30
	Wellington	
Morwell		30 -
Mountain Creek		25
Moyne	Villiers. Falls into sea at Belfast	45
Mount Cole Creek	Q	25
Mount Emu Creek		150
	Ripon. Falls into Tullaroop Creek	35
Mount Hope Creek		120
Mount Pleasant Creek		25
Mount William Creek		80
Muckleford Creek	mera 12 miles E. of Horsham Ripon. Falls into Loddon	20
Muckleford Creek Muddy Creek	Delatita Falls into Coulbum	20 35
Murray	Northann have Jame line of a large of TT' to the	- 55 - 980*
Murrabit		35
Murrindal	Tamba Falla into Duchan	35
Muston's Creek	Villions Falls into Hopling	50
Myer's Creek	Bendigo	30
Myrtle Creek	Ripon, part of north boundary. Falls into Coliban	20
Naringhil Creek	Grenville. Falls into Woady Yaloak	30
Nicholson	Dargo. Falls into Lake King	50
Norton Creek	Lowan, part of eastern boundary. Falls into Wimmera	35.
	Weeah. Flows from Lake Hindmarsh into Lake Alba-	Š Ŏ
	cutya; thence north to Pine Plains	. –
Ovens	Boundary between Bogong, Delatite, and Moira. Joins	140
~	Murray 23 miles below Wangaratta	
Perry	Tanjil. Falls into Lake Wellington	38
Plenty	Bourke. East boundary of county	35
Pyramid Creek	Bendigo and Gunbower. Falls into Loddon at Kerang	160

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* Length in Victoria only; total length 1,300 miles.

RIVERS—continued.

Name of River.	Position.	Approximate Length.
Reedy Creek Richardson	Bogong. Falls into Ovens Kara Kara. Joins Avon about 26 miles N. W. from Navarre	Miles. 45 35
Rose	Delatite. Falls into Buffalo	50
Salt Creek	Hampden, outlet of Lake Bolac. Falls into Hopkins	35
Saltwater	Bourke. Joins the Yarra at Footscray	170
Serpentine Creek	Bendigo. Falls into Loddon	35
Seven Creeks Shaw	Delatite. Falls into Goulburn Villiers. Falls into Lake Yambuk	$\begin{array}{c c} 35\\ 20 \end{array}$
C .	Croajingolong. Falls into Lake Yambuk	120*
Snowy Spring Creek	Villiers. Falls into Merri Merri	30
Stokes, or Emu	Normanby, Joins the Glenelg 5 miles N. of Dartmoor	30
Stony Creek	Delatite. Falls into Violet Ponds Dalhousie. Falls into Goulburn	32
Sugarloaf Creek	Dalhousie. Falls into Goulburn	30
Sunday Creek	Dalhousie. Falls into Sugarloaf Creek	35
Surrey	Normanby. Falls into Portland Bay	28
Sutherland Creek	Grant. Falls into Moorarbool	
Tambo, or Thomson	Boundary between Tambo and Dargo. Falls into Lake	120
Tarra Tarra	King Buln Buln. Falls into Shoal Inlet near Tarraville	25
Tarra Tarra Tarwin	Buln Buln. Falls into Shoal Inlet near Tarraville Buln Buln. Falls into sea at Anderson's Inlet	50
Thomson	Tanjil. Falls into La Trobe	100
Thowgla Creek	Benambra. Falls into Curryong Creek	20
Toonginbooka	Tambo. Joins Snowy River	30
Tom's Creek	Tanjil. Falls into Lake Victoria	20
Trawalla Creek	Ripon. Falls into Mount Emu Creek	20
Tsheea Creek	Rodney. Falls into Murray	25
Tullaroop Creek	Talbot. Falls into Loddon near Eddington, with Cres-	120
Terong	wick's and Adekate Creeks Tanjil. Tributary of La Trobe	35
Tyers Tyrrell Creek	Kara Kara and Tatchera. Effluent of Avoca. Falls	95
Tyrrell Creek	into Lake Tyrrell	
Victoria	Bogong. Falls into Mitta Mitta 4 miles W. of Lake Omeo	40
Violet Ponds	Moira. Falls into Goulburn	35
Wabba Creek	Benambra. Falls into Cudgewa Creek	20
Wallpolla Creek	Millewa. Falls into Murray	30 ×
Wando	Dundas. Falls into Wannon	25
Wannon	Dundas. Part of south boundary of county	$\begin{array}{c c} 150\\ 25 \end{array}$
Watts Warrambine Creek	Evelyn. Falls into Yarra Yarra Grenville. Falls into Barwon	45
TTT and there a math	Dargo. Falls into Mitchell	55
Western Moorarbool	Grant. Falls into Moorarbool	30
Werribee	Bourke. West boundary of county	70
Whorouly	Delatite. Joins Ovens about 15 miles S.E. of Wangaratta	20
Wimmera	Wimmera district. Falls into Lake Hindmarsh	228
Wingan	Croajingolong. Falls into sea at Ram Head	30
Woady Yaloak	Grenville. Flows from north into Lake Corangamite	60 50
Wongangarra	Falls into Wonnangatta, 43 miles N.W. of Lake Wel- lington	50
Wonnangatta	Falls into Mitchell	75
Woori Yaloak	Evelyn. Joins Yarra Yarra about 4 miles west from	25
TTOULL LALVAR	Warrandyte	
Yackandandah Creek	Bogong. Falls into Kiewa	30
Yarra Yarra	Bourke. Falls into Hobson's Bay	150
Yarriambiack Creek	Borung. Effluent of Wimmera. Falls into Lake Coorong	95
Yarrowee, or Leigh	Grant. Joins Barwon at Inverleigh	80
Yea	Anglesey. Falls into Goulburn	35

* Length in Victoria only; total length 300 miles.

Victorian Year-Book, 1882-3.

Lakes.

14. Victoria contains numerous salt and fresh water lakes and lagoons, būt many of these are nothing more than swamps during dry seasons. Some of them are craters of extinct volcanoes. Lake Corangamite, the largest inland lake in Victoria, covers 90 square miles, and is quite salt, notwithstanding it receives the flood waters of several fresh-water streams. It has no visible outlet. Lake Colac, only a few miles distant from Lake Corangamite, is a beautiful sheet of water, $10\frac{1}{2}$ square miles in extent, and quite fresh. Lake Burrumbeet is also a fine sheet of fresh water, embracing 8 square miles. The Gippsland lakes-Victoria, King, and Reeve-are situated close to the coast, and are separated from the sea only by a narrow belt of sand. Through this there is an entrance which is often navigable, but is subject to be closed at irregular intervals in consequence of the shifty nature of the sand at its mouth. Works have been commenced with the view of making the entrance permanent. Lake Wellington, the largest of all the Gippsland lakes, lies to the westward of Lakes Victoria and King, and is united with the first-named by a narrow channel. South-east of Geelong is Lake Connewarre, connected with the sea at Point Flinders. The following is a list of the lakes in Victoria, with their localities and areas, corrected to the latest date under the direction of Mr. Surveyor-General Skene :---

(Those lakes which contain fresh water are distinguished by the letter f, and those which consist of salt or brackish water are indicated by the letters s and b respectively.)

Name of Lak	е.	Position.	Approximate Area.
Albacutya Albert Park Bael Bael Baker Barragootta Beeac Birdebush Boga Bolac Bookaar Booroopki	· · · · · · · · · · · · · · · · · · ·	Weeah, 10 miles N. of Lake Hindmarsh (f) South Melbourne (f) Tatchera, 9 miles W. of Kerang (f) Tatchera, 7 miles S.E. of Castle Donnington (f) Croajingolong, 6 miles W. of Cape Howe (f) Grenville, 10 miles N. of Colac (s) Hampden, 8 miles N.W. of Camperdown (b) Tatchera, 8 miles S.E. of Castle Donnington (f) Ripon, 6 miles E. of Wickliffe (f) Hampden, 6 miles N.W. of Camperdown (b) Lowan, 14 miles E. of South Australian boundary line (f)	Acres. 13,000 105 1,075 500 600 1,500 64 2,120 3,500 1,075 1,030
Boort Bringalbert Bullen Merri Buloke	••••	Gladstone, fed by overflow of Loddon (f) Lowan, 10 miles N.E. of Apsley (f) Hampden, 1 mile S.W. of Camperdown (b) Borung, 4 miles N. of Donald (occasionally dry for a series of years) (f)	$1,127 \\ 250 \\ 1,330 \\ 11,000$
Bunga Bungaa Buninjon Burn Burrumbeet	•••	Tambo, 3 miles S.W. of Lake Tyers (f) Tanjil, 90-mile beach (b) Ripon, 6 miles S.W. of Ararat (f) Grenville, 10 miles N.E. of Colac (s) Ripon, 10 miles W. of Ballarat (f)	$ 300 \\ 1,000 \\ 430 \\ 130 \\ 5,200 $

LAKES.

LAKES—continued.

(Those lakes which contain fresh water are distinguished by the letter f, and those which consist of salt or brackish water are indicated by the letters s and b respectively.)

Name of Lake.	Posit	ion.	Approximate Area.
Q 1 ·			Acres.
Calvert	Grenville, 5 miles N. of Co		5,200
Carchap	Lowan, 20 miles N. of Mo		250
Catcarrong	Villiers, near township of		80
Catherine	Polwarth, W. boundary f	or county, 13 miles fro	m 130
Centre	sea (f) Lowan, 10 miles N.W. of 1	Mostyn(f)	660
Charm	Tatchera, 10 miles N. of E		1,200
Clear			300
Colac	Polwarth, at Colac (f)	••••	6,650
Colongulac	Hampden, 3 miles N. of C	amperdown (b)	3,500
Condah ·	Normanby, 12 miles N.E.	of Heywood (f)	665
Connewarren	Hampden, 5 miles S.W. or		500
Connewarre	Grant, 5 miles S.E. of Gee		3,880
Cooper	Rodney, 9 miles E. of Rur		2,400
Coorong	Karkarooc, fed by Yarrian		200
Cope Cope	Kara Kara, 16 miles N.W		400
Coragulac	Grenville, 7 miles N.W. o		90
Corangamite	Mamba 9 miles from acast		57,700
Corringle Craven	Tambo, 2 miles from coast Polwarth, 5 miles N.W. o		400
Cullens	Watch and Q miles N W of		$ 200 \\ 1,550$
Cundare	Quanvilla 19 miles N of ($\operatorname{Colac}(s)$	350
Curlip	Croajingolong, fed by over		
Th 1 ⁻	Buln Buln, 28 miles N.E.	of Alberton (f)	1,500
Dock	Borung, 6 miles S.E. of H		370
Doling Doling	Dundas, 3 miles N.E. of H		50
Drung Drung	Borung, 11 miles S. E. of	TT 1 7 6	500
Duck	Tatchera, 6 miles N.W. of	f Kerang (f)	770
Durdidwarrah	Grant, reservoir for town of		
Elingamite	Heytesbury, 11 miles S.W		
Elizabeth	Tatchera, 5 miles W. of K		150
Eyang	Hampden, 9 miles E. of C		
Furnell	Croajingolong, 8 miles N.		
	Tatchera, 10 miles S.E. of Moira, 10 miles N.W. of S		000
Garry Genoa	Croajingolong, 10 miles W. of C	of Cape Howe (tidal)	
Ghentghen	Ripon, 5 miles E. of Wick	liffe (s)	10
Gherang Ghera		helsea (f)	40 250
Gnarpurt	Hampden, at northern ex		
Gnotuk	gamite (s) Hampden, 2 miles W. of (Jamperdown (s)	600
Goldsmith	Ripon, 7 miles S. of Beauf		2,100
Green	Borung, 7 miles S.E. of H	$\operatorname{orsham}(f)$	250
Hindmarsh	Lowan, fed by Wimmera	River (f)	30,000
Jollicum	Hampden, 4 miles S.W. of		130
Kakyora	Tanjil, 7 miles E. of Sale	(b)	250
Kanagulk	Lowan, 6 miles N.E. of M	ostyn	870
Kangaroo	Tatchera, 11 miles N.W. o		2,250
Kariah	Hampden, 5 miles N.E. of		350
Karnak	Lowan, 18 miles N.E. of I		300
Keilambete	Hampden, 15 miles W. of		770
Kemi Kemi	Lowan, 2 miles S. of Eden		130
Kennedy	Villiers, 8 miles N.W. of	rensnurst (0)	$\begin{array}{c c} \dots & 690 \\ h_{2} & 500 \end{array}$
King	Tanjil, near Bairnsdale, 23) innes iv.E. of Seacom	be 22,500
Valena	(tidal) Hampden 20 miles W of	Compardown (f)	100
Kolora	Hampden, 20 miles W. of Karkarooc, 44 miles N.W		
Kornardin	Tyrrell (f)	. or norm shore or ha	

B

LAKES—continued.

(Those lakes which contain fresh water are distinguished by the letter f, and those which consist of salt or brackish water are indicated by the letters s and b respectively.)

Name of Lal	ze.	Position.	Approximate Area.
. <u></u>			Acres.
Konnendhar		Hampden, 19 miles W. of Camperdown (f)	75
Koreetnung		Hampden, 6 miles N.E. of Camperdown (s)	560
Lalbert		Tatchera, 31 miles W. of Kerang (f)	1,250
Leaghur		Tatchera, 18 miles S.W. of Kerang (f)	130
Learmonth		Ripon, 11 miles N.W. of Ballarat (f)	1,100
Linlithgow		Villiers, 8 miles N.W. of Penshurst (b)	2,450
Little		Tatchera, 10 miles S.W. of Kerang	80
Long		Tatchera, 8 miles S.E. of Castle Donnington (f)	300
Lonsdale	•••	Borung, 7 miles S.W. of Glenorchy (f)	3,000
Lookout	•••	Tatchera, 14 miles W. of Kerang	130
Malmsbury	•••	Dalhousie and Talbot, reservoir for northern gold- fields' population, borough of Malmsbury (f)	400
Mannaor	••••	Tatchera, fed by overflow of Murray (f)	40
Marmal	••••	Gladstone, 12 miles N.E. of Charlton (f)	250
Marsh	•••	Tatchera, 10 miles N.W. of Kerang (f)	1,700
Meering	•	Tatchera, 11 miles S.W. of Kerang (f)	400
Melanyora	••••	Tanjil, 6 miles E. of Sale (b)	240
Middle	•••	Tatchera, 4 miles N. of Kerang (f)	560
Miga		Lowan, 20 miles N.W. of Mostyn (f)	230
Mitre		Lowan, 20 miles W. of Horsham (s)	1,280
Modewarre	•••	Grant, 6 miles E. of Winchelsea (f)	1,025
Moodewarre	•••	Bogong, 3 miles W. of Rutherglen (f)	620
Morea	•••	Lowan, 13 miles N. of Edenhope (f)	
Mournpall		Karkarooc, 44 miles N.W. of Lake Tyrrell (f)	1,280
Mundi	•••	Follett, 1 mile E. of South Australian boundary $\lim_{f \to \infty} (f)$	1,280
Murdeduke	•••	Grenville, 25 miles W. of Geelong (s)	2,800
Natimuk	•••	Lowan, 14 miles W. of Horsham (f)	660
Omeo	•••	Benambra, 10 miles N.E. of Omeo	1,500
Ondit	•••	Grenville, 5 miles, N. of Colac (s)	250
Oundell	•••	Hampden, 5 miles S.W. of Streatham (f)	
Paragalmir		Ripon, 6 miles E. of Wickliffe (s)	160
Pelican	•••	Tatchera, 2 miles W. of Kerang (f)	80
Pertobe Pine	•••	Villiers, town of Warrnambool $(tidal)$ Borung, 8 miles S.E. of Horsham (f)	50
Pine Pine Hut	•••	Lowon 99 miles NW of Moyetyn	500
Punpundhal	•••	Hampdan W of Lake Corangemite (c)	200 60
Purgagoolah	•••	Croajingolong, 18 miles W. of Cape Howe (tidal)	30
Purumbete	•••	$TT_{a} = f (C)$	1,450
Racecourse	•••	Tatchers 10 miles N W of Kerang (f)	1,450
Reedy	•••	Tatchera, 3 miles N. of Kerang (f)	550
Reeve	•••	Buln Buln, 2 miles S.E. of Seacombe on coast (tidal)	9,000
Repose	•••	Villiers 7 miles S E of Dunkeld (f)	280
Rosine		Grenville, 3 miles W. of Cressy (s)	380
Salt Lakes		Weeah, 46 miles N.W. of Lake Albacutya (s)	4,480
Salt	•••	Grenville 9 miles N E of Colac (s)	870
,,		Ripon, 6 miles N.E. of Streatham (s)	500
,,		Ripon, 9 miles S. of Beaufort (s)	180
,,		Lowan, 12 miles N.W. of Mostyn (s)	500
,,		Lowan, 5 miles N.W. of Natimuk (s)	850
,,	•••	Tatchera, 13 miles N.W. Kerang (s)	700
,,		Tatchera, 8 miles W. of Kerang (s)	100
Sand	•••	Tatchera, 13 miles W. of Kerang (s)	180
St. Mary's		Lowan, 4 miles W. of Mount Arapiles (f)	180
Swan	•••	Mornington, in Phillip Island (f)	60
Sydenham	•••	Croajingolong, 8 miles E. of Cape Conran (tidal)	2,300
Tamboon	•••	Croajingolong, 8 miles W. of Cape Everard (tidal)	1,150
Tatutong	•••	Hampden, W. of L. Corangamite (s)	50

•

LAKES—continued.

(Those lakes which contain fresh water are distinguished by the letter f, and those which consist of salt or brackish water are indicated by the letters s and b respectively.)

Name of Lake.	Position.	Approximate Area.
m		Acres.
Terang	Hampden, 12 miles W. of Camperdown (f)	280
Terang Pom Timboon	Hampden, 11 miles N.E. of Camperdown (s) (See Colongulac.)	500
Tooliorook	Hampden, 4 miles S.E. of Lismore (b)	850
Tower Hill	Villiers, 7 miles N.E. of Belfast (f)	850
Turang-moroke	Ripon, 9 miles E. of Wickliffe (s)	250
T yers	Tambo, 22 miles W. of mouth of Snowy River (tidal)	3,950
Tyrrell	Karkarooc, fed by overflow of Avoca River (s)	42,600
Victoria	Tanjil, 21 miles E. of Sale (tidal)	28,500
Walwalla	Millewa, 13 miles S.E. of intersection of South	600
-	Australian boundary line by Murray River (f)	
Wallace	Lowan, at Edenhope (f)	450
Wangoom	Villiers, 6 miles N.E. of Warrnambool (f)	200
Wau Wauka	Croajingolong, near Cape Howe (f)	600
Weerancanuck	Hampden, 7 miles N.E. of Camperdown (s)	1,280
Weering	Grenville, 17 miles N. of Colac (s)	921
Wellington	Tanjil, 8 miles E. of Sale (f)	34,500
Wendouree	Grenville, at Ballarat (f)	500
White	Lowan, 8 miles N.W. of Moyston (s)	1,400
Wirraan	Hampden, 9 miles N. of Camperdown (s)	60
Wooronook	Kara Kara, 10 miles W. of Charlton (f)	250
Wurdee Boluc	Grant, 5 miles S.E. of Winchelsea (f)	440
Yallakar	Lowan, 7 miles N.E. of Edenhope (f)	870
Yambuk	Villiers, 10 miles W. of Belfast (tidal)	200
Yando	Tatchera, 22 miles S.W. of Kerang (f)	150
Yan Yean	Evelyn, reservoir for supply of metropolis, 22 miles N.E. of Melbourne (an artificial lake) (f)	1,360
Yeeangmaria	Binon 10 miles E of Wickliffe (e)	75
Vallarall	Konkronoco 11 milos NW of Lako Trunall (f)	640
Yerang	Karkarooc, 44 miles N.W. of Lake Tyrrell (f)	1,290

15. The principal inlet on the coast of Victoria is Port Phillip Bay, Bays, inlets, which is an inland sea of an extreme length of over 30 geographical miles from north to south, and of about 35 from east to west. The entrance is about two miles across, and a short distance within it are sandbanks and islands, which, whilst they act as an excellent breakwater to the shipping, do not, as there are well-buoyed channels between them, seriously obstruct the navigation. In Port Phillip Bay are two minor bays, viz., Hobson's Bay, which is the anchorage of the port of Melbourne, and the point at which the River Yarra, on which Melbourne is situated, empties itself; and Corio Bay, which is the anchorage of the port of Geelong. The next inlet in point of natural importance to Port Phillip is Western Port, in part of which there is anchorage with good shelter in all winds. The other bays and inlets are either roadsteads affording only partial shelter, or are small in extent, or so obstructed by sandbanks as to be suitable for small vessels only. Some of the roadsteads might be much improved by the construction of break-Towards the eastern part of the coast is a sandy beach, waters. B 2

extending for 90 miles without an inlet, except one leading into the Gippsland lakes, which is liable to be closed at intervals. The following are the names and positions of the principal bays and inlets, commencing at the western extremity of the coast :---

Name of Bay or	Inlet.	County.		Remarks.
Discovery Bay Bridgewater Bay		Normanby		Between South Australian boundary and Portland Bay.
Nelson Bay	•••	33	•••	f Portland Bay.
Portland Bay		? !	• • •	Site of borough of Portland.
Port Fairy		Villiers		Site of borough of Belfast.
Lady Bay		33		Site of town of Warrnambool.
Childers Cove		Heytesbury		
Bay of Martyrs	***	>>		
Curdie's Inlet	***	33		Between Warrnambool Harbour and
Port Campbell		>>		Cape Otway.
Port Campo	***		•••	
Castle Cove		Polwarth	• • •	
Apollo Bay	•••	33	•••	A short distance to the east of Cape Otway. Site of the village of Middleton.
Louttit Bay		33		Between Cape Otway and Port Phillip
Airey's Inlet		, ,,		Heads.
Entrance to Lake	Conne-	Grant	•••	J Houter
warre Port Phillip Bay	••••	Grant and M nington	[or-	An inland sea, on which is situated the city of Melbourne, town of Geelong, boroughs of Brighton, Sandridge, St. Kilda, Wil- liamstown, and Queenscliff, and numer- ous townships and villages.
Swan Bay	* * *	Grant	• • •	Situated within Port Phillip, on the west side near the entrance.
Corio Bay	***	33	•••	At the western part of Port Phillip. Is
Hobson's Bay	•••	Bourke	•••	the harbour of Geelong. At the northern part of Port Phillip. Is the harbour of Melbourne, and site of the boroughs of Sandridge and Williams-
Western Port	•••	Mornington	•••	town. Site of villages of Flinders, Hastings, and Corinella, situated on the main land; and of Cowas, situated on Phillip Island
Venus Bay and son's Inlet	Ander-	Buln Buln	•••	of Cowes, situated on Phillip Island.
Waratah Bay			.	
Shallow Inlet		,,,	•••	Between Western Port and Wilson's
Leonard Bay		"	• • •	Promontory.
Norman Bay))))		
Oberon Bay				

BAYS, INLETS, ETC.

Norman Bay	• • •	,,		
Oberon Bay	•••	23	• • •	
Waterloo Bay		23	•••)
Refuge Cove		-	1	(Between Wilson's Promontory and
	•••	33	•••	Douncer without I tomotionly and
Sealers' Cove		,,		i entrance to Port Albert.
Corner Inlet		,,	•••	
Port Albert	•••	22	•••	Site of townships of Palmerston and
				Alberton.
Shoal Inlet		,,		Site of the township of Tarraville.
Lakes' Entrance		Tambo	ŧ.	Entrance to Lakes King, Victoria, and
Hartos Harranoo	• • •	1 delli 50	• • •	De l'Elekter Aing, victoria, anu
NG. 1 NF 1		~	_	Reeve; liable to be closed periodically.
Dock Inlet	•••	Croajingo	long	
Sydenham Inlet			••••	
Tamboon Inlet		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	(Between the Ninety-mile Beach and
	• • •	,,	•••	Cape Howe.
Wingan Inlet	•••	,,	•••	
Mallacoota Inlet	• • •	,,		J
			}	•

16. A glance at the map of Victoria will show that the coast line capes, points, projects considerably to the south in two directions, one being to the west and the other to the east of the entrance to Port Phillip Bay. The extreme point of the western projection is Cape Otway, that of the eastern one Wilson's Promontory, the latter being, as has been already stated, the southernmost point on the continent of Australia. Besides these, there is a projection of less extent to the west of Portland Bay, the southernmost point of which is Cape Nelson. The following are the principal capes and points along the whole coast, with their positions, &c. :—

Name of Cape, &c.	County.		Remakrs.
" Nelson … " Sir William Gran	Normanby t ,,	•••	Between Discovery and Bridgewater Bays. Between Bridgewater and Nelson Bays. East of Nelson Bay and between it and Point Danger.
Point Danger	,,	•••	Point at S.W. side of entrance to Port- land Bay.
"NATION 11, 1, 4 TT J	Heytesbury Polwarth	•••	Between Warrnambool and Cape Otway.
Rotten Point Point Flinders Cape Otway	··· ?? ··· ??	•••	Principal turning point of vessels from the westward bound to Port Phillip. On this cape there is a lighthouse, 300
Point Franklin	Polwarth		feet above the sea-level.
,, Haley	··· ,,	•••	
Cape Patton	,,	• • •	Between Cape Otway and Port Phillip
"Grey … Boodknight	···· 77 ···· 77	• • • • • • •	Heads.
,, Addis ,, Flinders (one of t Barwon Heads)	ne Grant	• • •	
,, Lonsdale ,, Nepean	, Mornington	•••	Port Phillip Heads.
Shortland's Bluff	Grant	•••	At Queenscliff, within Port Phillip Heads. On this point there is a lighthouse, 109 feet above the sea-level.
Cape Schanck West Head	Mornington	•••	Between Point Nepean and Western Port. On Cape Schanck there is a lighthouse, 278 feet above the sea- level.
Domanid Doint	Mornington	•••	On south side of Phillip Island.
Cape Woolamai	** ??	•••	
Griffith Point		•••	
,, Liptrap	Buln Buln	•••	Between Western Port and Wilson's
Bell Point	•• 37	•••	Promontory.
Norman Point	·· 9· ·· 99	•••	
Gauth wort Point	·· >> ·· >>	•••	

CAPES, POINTS, ETC.

Victorian Year-Book, 1882-3.

Name of Cape, &c.		County.		Remarks.
Wilson's Promontory	••••	Buln Buln	•••	The southernmost point on the Austra- lian continent. A most important turn- ing point of vessels bound to New South Wales from the westward. On this point there is a lighthouse 383 feet above the sea-level.
Cape Wellington Brown Head Hobbs Head Horn Point Point Ricardo Cape Conran Pearl Point Cape Everard Petrel Point Ram Head Wigan Point Sand Patch Point Little Ram Head Bastion Point Cape Howe (Conference Point)	···· ···· ···· ···· ··· ··· ···	<pre>>> ,,, ,,, Croajingolou ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,</pre>	 ug	 Between Wilson's Promontory and Port- Albert. Between the Ninety-mile Beach and Cape Howe. Cape Everard is sup- posed to have been the part of Vic- toria first seen by Europeans, viz., by Captain Cook and his ship's crew. It was named by them Point Hicks. Point at which the dividing line between Victoria and New South Wales meets the sea.

CAPES, POINTS, ETC.—continued.

Islands.

17. Victoria exercises jurisdiction over but few islands, and of those, all except Phillip Island, which is situated in Western Port, are but scantily inhabited. The largest is French Island, also situated in Western Port; but the greater part of it is covered with mud flats and swamps, and so it maintains only a small population. The characteristics of Snake and Sunday Islands, situated off Port Albert, between Corner and Shoal Inlets, are similar to those of French Island. The islands in Bass's Straits, except such as are close to the Victorian coast, are dependencies of Tasmania. The following is a list of the Victorian islands, showing also their positions, and the populations of such of them as were inhabited when the last census was taken :—

ISLANDS.

Name	of Island.		Population on 3rd April, 1881.	Position.
Lawrence	•••	•••	Uninhabited	Off Point Danger, Normanby, at entrance to Portland Bay.
Lady Julia	Percy	•••	"	Off the coast of Villiers, opposite Yambuk village, about 22 miles east of Portland, and between that town and Belfast.
Griffith's	•••		>>	(Near the entrance of Port Fairy, oppo-
Rabbit	* • •	• • •	"	f site the borough of Belfast.
Swan	***	•••	31	In Swan Bay, part of the borough of
Duck	•••	* * *	Uninhabited	Queenscliff.
Mud	•••	•••	9	In Port Phillip Bay, about 5 miles from
Phillip	•••	•••	295	the Heads. At the entrance of Western Port, Morn- ington, between east and west Heads.

Name of 2	Island.		Population on 3rd April, 1881.	Position.
French Churchill Sandstone Elizabeth	•••	•••	$\begin{array}{c} 46\\7\\5\end{array}$	In Western Port Bay, Mornington.
Quail Pelican Brilla Shellback Norman	· · · · · · · · · · ·	• • • • • • • • • •	Uninhabited	
Great Glennie Citadel Anser Cleft Wattle	· · · · · · · · · ·	• • • • • • • • • • • •	Uninhabited	Small islands situated off Wilson's Pro- montory, Buln Buln.
Rabbit Seal Notch Rag Cliffy Snake	••••	•••• ••• •••		
Sunday Clonmel	• • •	•••	128	Off Corner Inlet and Port Albert, Buln
Raymond	•••• ••••	•••	Uninhabited	Between Lake King and Lake Victoria, Tanjil.
Ga bo	•••	•••	· 1 4	Five miles south-west of Cape Howe, Croajingolong. On this island there is a lighthouse, 179 feet above the sea-level.

ISLANDS—continued.

18. The rise and fall of tide on the coast of Victoria ranges from nine Tides. feet at the Glennie Islands, near Wilson's Promontory, to two feet eight inches at Hobson's Bay and Melbourne. Subjoined is a statement of the times of high water on full and change days, and of the rise and fall of tide, at the principal places on the coast:—

Place.					tange of Tide.		Place.		Time of High Water at full and change.		Range of Tide.	
Portland Bay Port Fairy Warrnambool	••••	h. 0 0	m. 30 31 37	ft. 3 3	in. 0 0 0		Venus Bay Waratah Bay Glennie Islands	•••	h. 11 12 11	m. 56 0 44	ft. 7 8 9	iu. 0 0 0

TIDES.

0
0
0
0

In the following table, which has been supplied by Mr. Ellery, the diminution found to have taken place in Melbourne has been assumed to have also occurred at the other places at which Neumayer made his observations, and upon this assumption the whole have been brought on to the end of 1882:—

Names of Localities.	Varia- tion. East.	South Dip.	Names of Localities.	Varia- tion. East.	Sout Dip
······	0 /	0 /		0 /	0
Daylesford	9 52	66 57	Benalla	8 15	65 4
Upper Macalister	9 14	66 36	French Island	8 14	67 3
The Straits (Seacombe)	9 14	67 1	Longwood ···	8 12	66
Port Albert	9 10	67 38	Wahgunyah	8 11	65 1
Indi River (Groggan's			Cranbourne	8 11	67
Station)	9 10	65 27	Rothwell	8 7	67 1
Dargo Station	9 5	$66 \ 35$	Melbourne Observa-		
Giffard	9 5	67 17	TORY	8 6	67
Buckland's Camp	9 1	66 3	Cummins', near Geo-		
Rosedale	9 1	67 9	detic Survey Obser-		i i
Cape Schanck	8 59	67 18	vatory, 145° E. long.	8 6	6 6 {
Buenboar	8 56	65 35	Donnybrook		67 4
Muddy Creek (Corner	•		Echuca	8 6	65
Inlet)	8 55		Mulwallah	8 6	65
Jericho	8 55	66 44	Sandy Point (Western		
Keogh's Bridge, Mitta			Port)	8 5	67 -
Mitta	8 53	65 39	Kilmore	8 5	66
Junction of Mitta and			Maryborough	8 3	66
Snowy Creek	8 51	65 29	Spring Creek	8 2	
Omeo, Livingstone	8 49	66 11	Shepparton		65
Floumbor Plain	<u> </u>	66 17	Mount Blackwood	8 1	66
M C 11	8 48	66 31	Caddandra (Broken	•••	00
T •	8 47	66 15	Creek)	8 0	65
Sandy Point (Shallow	0 41	00 10	Seymour	7 59	66
T 1 1	8 47	67 46	777	7 58	66
Donnelly's Creek	8 46	07 10		7 58	65
Tarwin River, Black's	0 10		Williamstown	7 57	67
Station	8 46	67 45	Dunkeld	7 56	66
Yabba	8 44	65 17	Mount Disappointment		66
Omeo Station	8 43	66 0	T1 <i>i</i>	755	00
Mount Elephant	8 40	00 0	Footscray Bacchus Marsh, Darley	$\begin{array}{c}7 & 5.9\\7 & 52\end{array}$	66
Bright (Morse's Creek)	8 40	65 57		$\begin{array}{c} 7 & 52 \\ 7 & 50 \end{array}$	1
Powlett River	8 39	00 07	Yandari (St. Germain)	7 49	66
Baldhills Township	8 38			7 49	66
Fernhills, Holland River	8 36	66 0	Wailon		66
ດານ ດັ່ນ	8 35	00 0	Baldhill, Keilor Plains		67
\mathbf{D} = 1 = 1	8 34	65 31			68 66
A 11 TTT . T	8 32	65 31 65 18			66
		1 1	Mount Tarrangower		66
NE 1 T 1'-4	1	65 26	Wyndham		67
Monton	$\begin{array}{c} 8 & 32 \\ 8 & 28 \end{array}$	66 10	Rochester	7 45	65
	1	66 19 65 96	Greenhills, near Bal-	1	~ -
Wangaratta		65 26 66 9	larat	7 45	67
Violettown	8 22	$\begin{array}{c c} 66 & 2 \\ \hline \end{array}$	Heathcote East	7 45	66
Upper Acheron	8 21	66 49	Thomson's Creek,	.	
Acheron Station	8 21	66 42 67 94	Shirley	7 43	67
Geelong	8 20	$\begin{array}{c} 67 24 \\ c c 3c \end{array}$	Campaspe, Kennedy's	m	
Molesworth	8 19	66 26	Punt	7 43	66
Queenscliff	8 18	67 39	Ballarat East	7 42	67

VARIATION AND DIP OF THE MAGNETIC NEEDLE, 1882.

 $\cdot 24$

VARIATION AND DIP OF THE MAGNETIC NEEDLE, 1882-continued.

Names of Localities.	Varia- tion East.	South Dip.	Names of Localities.	Varia- tion East.	South Dip.
	0 /	0 /		0 1	0 /
Pitfield	7 42	67 15	Concongella Creek	7 10	66 32
Magnetic Hill, between	• • •	01 10	Ararat, Rainbow Inn	7 9	66 52
Maupoke and Inker-			Mortwara	7 4	$\begin{array}{ccc} 60 & 52 \\ 65 & 2 \end{array}$
mann	7 41	66 53	Piangil	7 4	64 47
Horsham	7 41	66 2 0	Toopmonth	7 4	66 54
Blackhill, close to Bal-	1 11	00 20	Q4 Ammond	7 4	$\begin{array}{c} 60 & 54 \\ 66 & 3 \end{array}$
lonot	7 40		Tanananana	7 3	66 23
Corangamite Creek or	1 40		Comin or II'll	7 2	00 23 66 18
Curra man	7 40	67 39	\mathbf{T}	72	65 53
	7 40	67 35	T = 1 = 2 $T = -11$		00 00
	7 39	66 41	Murra Murra (Robert-		
Morrison's Diggings			multa multa (hobert-	7 0	66 44
	7 39 7 38		son's Station) Narroween	7 0 6 58	1
Cressy Blackhill Tunnel	1 30	3		0 00	64 45
1 (T) 1.	7 90	66 57	Boundary Line, South- west	6 58	67 40
• • • • • •	7 36	66 15			
Kangaroo Gully (Ben-	7 36	CC TO	Digby Tia Bolite	$\begin{array}{c} 6 & 57 \\ 6 & 56 \end{array}$	67 18
digo)		66 19	1		64 51
Serpentine Inn	7 35	65 51	Youngera	6 57	64 26
Schnapper Point	7 95	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Manifold's Swamp	6 56	67 31
Dandenong	7 35	67 13 66 49	Charlton West (banks	C 25	CE 57
Queenstown	7.04	66 48	of the Avoca)	6 55	65 57
Newbridge, Loddon	7 34	66 16	Euston	652	64 25
Apollo Bay, Point Bun-	7 04	07 4	The Pound below	C FO	C 4 4 1
bury	7 34	67 54	Euston	$ \begin{array}{c} 6 52 \\ 6 52 \end{array} $	64 41 69 17
Pickaninny Creek	7 04		Mount Shadwell	652	68 1 7
(Power's Station)	7 34	65 45	Yarriambiak Creek,	C 51	CE EA
Amphitheatre	7 34		near Batchina	$\begin{array}{c} 6 & 51 \\ 6 & 49 \end{array}$	65 54 65 91
Black's Station, near	7 00	07 44	Nyppo		65 21 65 59
Mount Nooran	7 33	67 44	Antwerp		$\begin{array}{ccc} 65 & 52 \\ 66 & 35 \end{array}$
Glenorchy	7 33	66 32 66 32	Melton Rosebrook	$\begin{array}{c} 6 & 48 \\ 6 & 48 \end{array}$	66 55
Heathcote West	7 33	66 22		$\begin{array}{c} 6 & 48 \\ 6 & 47 \end{array}$	68 1
Harrow	7 33			6 47 6 47	65 26
Avoca	7 33	66 46 67 91	Lake Coorong	$\begin{array}{c} 6 & 47 \\ 6 & 45 \end{array}$	
Casterton	7 31	67 21 66 51	Lake Hindmarsh	$\begin{array}{c} 6 & 45 \\ 6 & 45 \end{array}$	$\begin{array}{c} 65 & 26 \\ 65 & 45 \end{array}$
Clunes		66 51		645	65 20
Cape Otway	7 25	68 2 65 F0	Goall, Spectacle Plains	$\begin{array}{c} 6 & 43 \\ 6 & 43 \end{array}$	$\begin{array}{ccc} 0.5 & 20 \\ 65 & 1 \end{array}$
Mount Korong	7 24	65 59 66 94	Pine Plains	$\begin{array}{c} 0 43 \\ 6 43 \end{array}$	$\begin{array}{c} 65 \\ 64 \\ 25 \end{array}$
Dunolly	7 24	66 24 66 59	Mournpall Pyalong	0 40	66 36
Hopkins River	7 20	66 52 67 97		6 42	66 59
Mount Rouse	7 20	$\begin{array}{ccc} 67 & 27 \\ 67 & 91 \end{array}$	•	6 40	65 20
Caramut	7 19	$\begin{array}{ccc} 67 & 21 \\ 65 & 24 \end{array}$	Yellamyip SaltLakes, Onetree Hill		64 56
Quambatook	7 19	65 24 C5 1C		6 37	64 22
Kerang		65 16	Murray, Police Station	6 35	67 38
Mount Hope		65 29	Dartmoor Consolation Plains	6 36	07 00
Belfast	7 17	68 0		$\begin{array}{c} 0 & 30 \\ 6 & 32 \end{array}$	
Beaufort (Fiery Creek)	7 17	66 51	Grassdale	$\begin{array}{c} 0 & 32 \\ 6 & 28 \end{array}$	67 7
Crowlands	7 17	66 47	Cavendish	6 28 6 26	67 44
Warrnambool	7 13	68 1	Mount Gambier	$\begin{array}{c} 0 & 20 \\ 6 & 24 \end{array}$	67 44 64 17
Mount Sturgeon	7 I3		Mildura	υ 24	V# 1/
Camperdown	7 12	67 48	Junction of Murray	6 on	61 0
Swanhill	7 12	64 49	and Darling	6 20 6 11	64 0 66 46
Lalbert	7 12	65 19	Pentland	6 11 C 11	66 46
Wimmera(Upper region)	7 12	66 13	Kulnine	$\begin{array}{c} 6 & 11 \\ c & 0 \end{array}$	64 3 C2 50
The Richardson (Ma-			Boundary, N.W	$\begin{array}{c} 6 & 9 \\ c & 7 \end{array}$	63 5 9
ranew)	7 12	66 8	Walla Walla Lake	67 557	64 13
Hamilton	7 11	67 36	Bochara	5 55	

Daily range of variation and dip.

20. It will be noticed that at the Melbourne Observatory in 1882 the mean declination or variation of the compass was 8° 6' E., and the mean inclination or dip was 67° 4' S. According to further observations made by Mr. Ellery, the mean daily range of the former in spring was 13' 39"; in summer, 15' 10"; in autumn, 9' 35"; and in winter, 8'; or in the year, 11' 36".

Climate.

Governors.

21. From its geographical position, Victoria enjoys a climate more suitable to the European constitution than any other colony upon the continent of Australia, resembling that of the more favored portions of Southern Europe. Upon examining a chart showing isothermal lines, it will be found that Melbourne is situated upon or near the line corresponding with that in the Northern Hemisphere on which Marseilles, Bordeaux, Bologna, Nice, Verona, and Madrid are situated. The difference, however, between summer and winter, and the hottest and coldest month, is far less in Melbourne than in any of these places. In the twenty-five years ended with 1882, the maximum temperature in the shade was 111.2° Fahr., viz., on the 14th January, 1862; the minimum was 27°, viz., on the 21st July, 1869; and the mean was 57.4°. Upon the average, on four days during the year the thermometer rises above 100° in the shade; and generally on about three nights during the year it falls below freezing point. The maximum temperature in the sun in the twenty-five years ended with 1882 was 168.5°, viz., on the 19th January, 1882. The mean atmospheric pressure, noted at an observatory 91 feet above the sea-level, was, in the eighteen years ended with 1881, 29.93 inches; the average number of days on which rain fell was 131, and the average yearly rainfall was 26 inches.* 22. Subjoined is a list of the Governors and Acting-Governors of Victoria, with the dates of their assumption of and retirement from office :---

GOVERNORS OF VICTORIA.

Name.	Date of Assumption of Office.	Date of Retirement from Office.
Charles Joseph La Trobe { John Vesey Fitzgerald Foster (acting) Sir Charles Hotham, K.C.B Major-General Edward Macarthur (acting) Sir Henry Barkly, K.C.B Sir Charles Henry Darling, K.C.B Brigadier-General George Jackson Carey, C.B. (acting)	8th May, 1854 22nd June, 1854 1st January, 1856 26th December, 1856 11th September, 1863	5th May, 1854 22nd June, 1854 31st December,1855 26th December, 1856 10th September, 1863

* For further information respecting the meteorological observations, not only for Melbourne, but also for other parts of the colony, see Part IV., Vital Statistics, post. A chapter on Meteorology and Climate was given in the Victorian Year-Book, 1874.

† At the first of these dates Mr. La Trobe assumed the office of Superintendent of Port Phillip; at the second he became Lieutenant-Governor of Victoria.

‡ Sir Charles Hotham died at this date.

Name.	Date of Assumption of Office.	Date of Retirement from Office.
The Right Honorable John Henry Thomas, Viscount Canterbury, K.C.B. Sir William Foster Stawell, Kt.(acting) Sir George Ferguson Bowen, G.C.M.G.* Sir Redmond Barry, Kt. (acting) Sir William Foster Stawell, Kt.(acting) The Most Honorable George Augustus Constantine, Marquis of Normanby, G.C.M.G., P.C.	15th August, 1866 3rd March, 1873 31st March, 1873 3rd January, 1875 11th January, 1875 27th February, 1879	2nd March, 1873 19th March, 1873 22nd February, 1879 10th January, 1875 14th January, 1876 Still in office

GOVERNORS OF VICTORIA—continued.

23. Since Victoria has been an independent colony, the average time Duration of during which the Governors of Victoria, prior to Lord Normanby, not ships. including the Acting-Governors, have held office has been about four years and four months.

24. During the twelve days between the 19th and the 31st March, Interregna 1873, the former being the day on which Sir W. F. Stawell left the colony, and the latter that on which Sir G. F. Bowen arrived, also during the five days between the 22nd and 27th February, 1879, the former being the day on which Sir G. F. Bowen left, and the latter that on which Lord Normanby arrived, there was neither Governor nor Acting-Governor in Victoria.

25. The following are the names of the present Governors of all the Governors of Australasian Australasian colonies, and the dates of their assuming office :--

Colony.	Name.	Date of Assumption of Office.
Victoria	The Most Honorable George Augustus Constantine, Marquis of Normanby, G.C.M.G., P.C.	27th February, 1879
New South Wales	The Right Honorable Sir (commonly called Lord) Augustus William Frederick Spencer Loftus, G.C.B.	4th August, 1879

GOVERNORS OF AUSTRALASIAN COLONIES.

Queensland	Sir Anthony Musgrave, K.C.M.G	6th November, 1883
South Australia	Sir William Cleaver Francis Robinson,	19th February, 1883
	K.C.M.G.	
Western Australia	Frederick Napier Broome, Esq., C.M.G.	5th June, 1883
Tasmania	Major Sir George Cumine Strahan,	7th December, 1881
	K.C.M.G.	
New Zealand	Major-General Sir William Francis	20th January, 1883
	Drummond Jervois, R.E., G.C.M.G., C.B.	:

26. Since the inauguration of responsible government, twenty-two Ministries. Ministries have held office in Victoria. The following are the names

* Sir G. F. Bowen was absent on leave from the 31st December, 1874, to the 14th January, 1876.

of the respective Chief Secretaries or Premiers, and the dates of their assumption of and retirement from office :----

Name of Premier.	Date of Assumption of Office.	Date of Retirement from Office.
Name of Premier.1. William Clark Haines2. John O'Shanassy3. William Clark Haines4. John O'Shanassy5. William Nicholson6. Richard Heales7. John O'Shanassy8. James McCulloch9. Charles Sladen10. James McCulloch11. John Alexander MacPherson12. James McCulloch13. Charles Gavan Duffy14. James Goodall Francis15. George Briscoe Kerferd16. Graham Berry		from Office. 11th March, 1857 29th April, 1857 10th March, 1858 27th October, 1859 26th November, 1860 14th November, 1861 27th June, 1863 6th May, 1868 11th July, 1868 20th September, 1869 9th April, 1870 19th June, 1871 10th June, 1872 31st July, 1874 7th August, 1875
 Sir James McCulloch, K.C.M.G. Graham Berry Langer Semilar 	20th October, 1875 21st May, 1877	5th March, 1880
18. Graham Berry19. James Service20. Graham Berry21. Sir Bryan O'Loghlen, Bart	21st May, 1877 5th March, 1880 3rd August, 1880 9th July, 1881	3rd August, 1880
22. James Service	8th March, 1883	Still in office

MINISTRIES.*

Duration of Ministries. 27. Before the present Government assumed office the average duration of Ministries had been about one year and three months.

Parliaments.

28. The present is the twelfth Parliament since the inauguration of responsible government in Victoria. The following table shows the number of Sessions in each Parliament, the dates of opening and of closing or dissolution :--

				· ·
Number of Parliament.	Number of Session.	Date of Opening.		Date of Closing or of Dissolution.
1	1 2 3	21st November, 1856 3rd December, 1857 7th October, 1858	•••	24th November, 1857 4th June, 1858 24th February, 1859 9th August, 1859
2	1 2	13th October, 1859 20th November, 1860		18th September, 1860 3rd July, 1861 11th July, 1861
3	1 2 3	30th August, 1861 7th November, 1862 26th January, 1864	•••	18th June, 1862 11th September, 1863 2nd June, 1864
4	1	28th November, 1864	•••	25th August, 1864 28th November, 1865 11th December, 1865

PARLIAMENTS.

* The names of the individual members of each Ministry are published yearly in Part I. of the Statistical Register of Victoria: Ferres, Melbourne.

PARLIAMENTS	continued.
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Number of Parliament.	Number of Session.	Date of Opening.		Date of Closing or of Dissolution.
5	1	12th February, 1866	•••	5th April, 1866
	2	11th April, 1866	•••	1st June, 1866
	3	17th January, 1867	•••	10th September, 1867
	4 5	18th September, 1867	•••	8th November, 1867
	5	25th November, 1867	•••	25th November, 1867
				30th December, 1867
6	1	13th March, 1868	•••	29th September, 1868
	2 3	11th February, 1869		29th December, 1869
	3	15th February, 1870	•••	15th July, 1870
	4	27th October, 1870	•••	29th December, 1870
				25th January, 1871
7	1	25th April, 1871	•••	23rd November, 1871
	2	30th April, 1872	•••	17th December, 1872
	2 3	13th May, 1873	•••	25th November, 1873
				9th March, 1874
8	1	19th May, 1874	•••	24th December, 1874
	2	25th May, 1875	•••	7th April, 1876
	3	11th July, 1876	•••	22nd December, 1876
		•		25th April, 1877
9	1	22nd May, 1877	•••	9th April, 1878
	2	9th July, 1878	•••	6th December, 1878
	3	8th July, 1879		5th February, 1880
		• •		9th February, 1880
10	1	11th May, 1880	•••	26th June, 1880
				29th June, 1880
11	1	22nd July, 1880	•••	2nd August, 1881
	2	4th August, 1881	•••	24th December, 1881
	2 3	25th April, 1882	•••	3rd February, 1883
			-	
12	1	27th February, 1883		19th April, 1883
·	$\frac{1}{2}$	3rd July, 1883		3rd November, 1883

29. Parliaments in Victoria have existed, on the average, for two years Duration of and one month. Sessions have lasted, on the average, for nearly seven ^{Parliaments.} months.

30. The names of the reigning sovereigns or other rulers of the Reigning principal countries in the world, together with the years of birth and of succession to or assumption of office, are as follow:---

REIGNING SOVEREIGNS, ETC., 1882.

Office.

Country.	Name.	Year of Birth.	Title.	Year of Assump- tion of.
Great Britain and Ireland	Victoria I	1819	Queen of Great Britain and Ireland	1837
>?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	>>	Empress of India	1877
Austria-Hungary	Franz Josef I.	1830	Emperor of Austria	1848
yy •••	,		King of Hungary	1867
Belgium	TecnoldIT	1835	King of the Belgians	1865
Brazil	Pedro II	1825	Emperor of Brazil	1831
China	Quang-Su	1871	Emperor of China	1875

Victorian Year-Book, 1882-3.

					Office.	
Cou	ntry.		Name.	Year of Birth.	Title.	Year of Assump- tion of.
Denmark Egypt France Germany	•••	•••	Christian IX Mohamed Tewfik F. P. J. Grévy Wilhelm I	1818 1852 1813 1797	King of Denmark Khedive of Egypt President of the French Republic King of Prussia	1863 1879 1879 1879
Greece Holland Italy "	· · · · · · · · ·	• • • • • • • • • • • • •	" Georgios I Willem III Umberto I Leo XIII. (Gio-	,, 1845 1817 1844 1810	Emperor of Germany King of the Hellenes King of the Netherlands King of Italy Supreme Pontiff	$1871 \\ 1863$
Japan Montenegro	•••	• • •	achino Pecci) Mutsu Hito Nicholas I	1852 1841	Mikado of Japan Hospodar of Monte- negro	1867 1860
Morocco Persia Portugal	•••	• • •	Muley-Hassan Nassr-ed-Din Luis I	1831 1829 1838	Sultan of Morocco Shah of Persia King of Portugal	1873 1848 1861
Roumania Russia	•••	•••	Carol I Alexander III.	1839 1845	{ Domnul of Roumania { King ,, Emperor of Russia	1866 1881 1881
Servia		***	Milan I	1854	{Prince of Servia {King ,,	1868* 1882
Spain Sweden and	 Norway	•••	Alfonso XII Oscar II	1857 1829	King of Spain King of Sweden and Norway	$\frac{1874}{1872}$
Tunis Turkey United State	 es	•••	Sidi Ali Abdul-Hamid II. C. A. Arthur	1817 1842 1830	Bey of Tunis Sultan of Turkey President of the United States	1882 1876 1881

REIGNING SOVEREIGNS, ETC., 1882—continued.

Oldest and longest reigning sovereigns.

31. It will be observed that only one ruler-the Emperor of Germany -was born before the commencement of the present century; also that, with the exception of the Emperor of Brazil, who ascended the throne at the early age of 6 years, no monarch has reigned so long as the Queen of Great Britain and Ireland.

PART I.—POPULATION.

32. The estimated population of Victoria at the end of 1882 was as Population, 1882. follows :---

	Pe	PULATION	, 31s:	r Decen	IBER,	1882.	
	•••	• • •		•••	•••	•••	477,475
Females	•••	•••	•••	• • •		•••	428,750
		Total	•••	• • •	•••	•••	906,225

* This is the date of the Prince's succession to the throne, but he did not assume the government until 1872.