

1921.
VICTORIA.

HOSPITALS FOR THE INSANE.

REPORT

OF THE

INSPECTOR-GENERAL OF THE INSANE

FOR THE YEAR ENDED 31ST DECEMBER,

1920.

PRESENTED TO BOTH HOUSES OF PARLIAMENT PURSUANT TO ACT 6 GEO. V.
No. 2687, SECTION 19.

[*Approximate Cost of Report* :—Preparation—Not given. Printing (392 copies), £30.]

By Authority:

ALBERT J. MULLETT, GOVERNMENT PRINTER, MELBOURNE.

No. 20.—[1s. 3d.]—15347.

REPORT.

LUNACY DEPARTMENT,
 Inspector-General's Office,
 Melbourne, 31st August, 1921.

To the Honorable the Chief Secretary.

SIR,

I have the honour to submit the Annual Report of the Lunacy Department of Victoria for the year 1920. Although there was a slight fall in the total number of registered insane in this State, there was unfortunately an increase of 125 patients resident in the State Hospitals at the end of the year. This is principally due to the fact that we have had the highest recorded number of admissions, viz., 864, as against 745 in 1919 and 762 in each of the preceding years.

On the other hand, the number of discharges was high—399 as against 290 in 1919. The deaths, 474, was the highest number yet recorded. The numbers on trial leave fell from 579 to 454, whilst there was a decrease of 16 in those boarded out. It is owing to these latter factors that the total number of registered insane has fallen.

So far as the year's numerical changes are concerned the outstanding fact of importance is the increased admission rate, which is leading to overcrowding in the wards of the various hospitals. This is particularly noticeable in the case of Royal Park, where the limited accommodation is greatly overtaxed by the unusual number of admissions. If reference be made to the Annual Report for 1918, it will be found that it was then estimated that there was an excess of 400 patients over our legitimate accommodation. The decrease occurring in 1919 was more than made up for by the increase of 125 patients in 1920. There are almost 500 patients in our State Hospitals more than we have proper day and dormitory accommodation for. The ideal provision would be to erect a new institution in the Gippsland district, but this would necessarily involve a considerable initial expenditure for the erection of the institution and some permanent increase in the annual expenditure.

The large chronic block at Mont Park is not yet ready to receive the patients from Yarra Bend, and the new wards erected for the Military Mental cases are not yet occupied—nor apparently do they provide accommodation for all of the cases; neither is the restored hospital ward at Ballarat available. But even if all of these additions were ready for use, they would do but little to relieve the increasing pressure on our space.

By the reclassification of the Public Service well-merited consideration has been shown to the great majority of the staff of this Department, who are, on the whole, the most lowly paid of our State public servants; but the housing question is as yet untouched and it is equally important. In most of the hospitals comfortable residential homes are wanted for the female staff, and in two country hospitals at least cottages for married attendants and artisans are also necessary.

I would once more draw attention to the unsatisfactory insurance system, which makes wholly inadequate provision for the retirement of those members of the staff who have reached their age or endurance limit.

I have the honour to be,

Sir,

Your obedient servant,

W. ERNEST JONES,
 Inspector-General of the Insane.

TABLE I.—Showing the Distribution of the Insane on 31st December, 1920.

	Males.	Females.	Total.	Males.	Females.	Total.
In the Hospital for the Insane at—						
Yarra Bend	314	372	686			
Kew	498	381	879			
Kew Idiot Asylum	187	150	337			
Ararat	376	262	638			
Beechworth	340	281	621			
Sunbury	455	501	956			
Ballarat	221	414	635			
Royal Park	38	34	72			
Mont Park	220	217	437			
				2,649	2,612	5,261
Out on trial leave from—						
Yarra Bend	33	50	83			
Kew	58	68	126			
Kew Idiot Asylum	9	8	17			
Ararat	3	4	7			
Beechworth	7	8	15			
Sunbury	21	41	62			
Ballarat	8	17	25			
Royal Park	30	61	91			
Mont Park	17	11	28			
				186	268	454
Boarded out from—						
Yarra Bend ... ..	...	...	...
Kew ... ..	...	6	6			
Kew Idiot Asylum ... ..	...	...	...
Ararat ... ..	...	1	1			
Beechworth	1	...	1			
Sunbury	38	33	71			
Ballarat	14	22	36			
Royal Park ... ..	...	...	...
Mont Park ... ..	...	...	...
				53	62	115
Total number of registered lunatics on the books of Public Hospitals ...	...	...	...	2,888	2,942	5,830
In the Licensed Houses at—						
St. Helens	12	10	22			
Mount Ida	4	11	15			
Merton ... ..	...	16	16			
Glen Holme ... ..	...	20	20			
The Tofts ... ..	...	9	9			
				16	66	82
Out on trial leave from Licensed Houses at—						
St. Helens	1	3	4			
Mount Ida ... ..	...	2	2			
Merton ... ..	...	...	...
Glen Holme ... ..	...	6	6			
The Tofts ... ..	...	1	1			
				1	12	13
Total number of registered lunatics in the State ... ..	...	...	...	2,905	3,020	5,925

Excluding Voluntary Boarders (21 males and 30 females) and Soldiers (100).

TABLE II.—Showing the Admissions, Re-admissions, Discharges, and Deaths during the Year ended 31st December, 1920.

	Males.			Females.			Total.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
In the Hospitals, 1st January, 1920	...	...	...	2,573	2,563	5,136			
On trial	...	...	...	219	360	579			
Boarded out	...	...	...	63	68	131			
Total number on books, 1st January, 1920	...	...	...	...	...	...	2,855	2,991	5,846
Cases admitted—									
First admissions	421	354	775						
*Not first admissions	44	45	89						
Escaped patients retaken	...	...	...	465	399	864			
	...	...	...	34	9	43			
Total cases admitted during the year	...	...	...	...	...	...	499	408	907
Total cases under care during the year	...	...	...	...	...	...	3,354	3,399	6,753
Cases discharged—									
Recovered	77	150	227						
Relieved	72	90	162						
†Not improved	3	7	10						
Died	274	200	474						
Escaped	...	...	...	426	447	873			
	...	...	...	40	10	50			
Total cases discharged and died during the year	...	...	...	...	...	...	466	457	923
Remaining in the Hospitals, 31st December, 1920	...	...	...	2,649	2,612	5,261			
Patients on leave	...	...	...	186	268	454			
„ boarded out	...	...	...	53	62	115			
Total number on books, 31st December, 1920	...	...	...	...	...	...	2,888	2,942	5,830
Average number resident during the year	...	...	...	...	...	...	2,621	2,589	5,210
Persons under care during the year	...	...	...	...	...	...	3,317	3,390	6,707
Persons admitted	...	...	...	...	...	...	463	399	862
Persons recovered	...	...	...	...	...	...	77	150	227
Transferred from one Hospital for Insane to another	...	...	...	...	...	...	149	162	311

* Including transfers from licensed houses.

† Including transfers to licensed houses.

TABLE III.—Showing the Previous Attacks among Persons Admitted during the Year 1920.

Number of Previous Attacks.	Persons.		
	Males.	Females.	Total.
Have had one attack	50	46	96
Have had two attacks	9	14	23
Have had three attacks	6	5	11
Have had four attacks	3	...	3
Have had five attacks or over	1	...	1

TABLE IV.—Showing the Number of Registered Insane on the Books of the Public Hospitals for the Insane and the Private Licensed Houses at the end of each year from 1900 to 1920 inclusively, the Soldiers treated under the *Mental Treatment Act* 1915, the Number of Patients in the Receiving Houses and Wards, and also the Voluntary Boarders on the Books of the Public Hospitals for the Insane and Private Licensed Houses at the end of each Year.

Year.	Registered Insane.						Soldiers.			Receiving Houses and Receiving Wards.			Voluntary Boarders.			
	Hospitals for the Insane.			Private Licensed Houses.			Total of Registered Insane.	Increase, + Decrease, -	Number.	Increase, + Decrease, -	Hospitals for the Insane.		Private Licensed Houses.		Total.	
	Males.	Females.	Total.	Males.	Females.	Total.					Males.	Females.	Total.	Males.		Females.	Total.
1900	2,286	2,113	4,399	...	...	4,399	...	...	...	1	...	...	...	...	...
1901	2,307	2,194	4,501	...	...	4,501	+102	...	...	1	...	...	...	...	...
1902	2,354	2,193	4,547	...	...	4,547	+46	...	...	1	...	...	...	...	...
1903	2,371	2,199	4,570	...	...	4,570	+23	...	...	...	...	...	...	...	...
1904	2,393	2,249	4,642	...	...	4,642	+72	...	...	...	...	...	...	...	...
*1905	2,436	2,332	4,768	...	3	4,771	+129	...	...	2	...	...	...	...	...
1906	2,484	2,389	4,873	...	3	4,937	+166	...	...	...	...	...	...	...	...
†1907	2,548	2,413	4,961	...	51	5,052	+115	...	...	5	...	...	...	...	...
1908	2,557	2,457	5,014	...	70	5,111	+59	...	...	11	...	...	...	...	...
1909	2,612	2,485	5,097	...	75	5,111	+89	...	...	12	...	...	...	...	...
1910	2,655	2,586	5,241	...	73	5,200	+149	...	...	19	...	...	...	...	...
1911	2,681	2,659	5,340	...	78	5,449	+100	...	...	22	...	...	...	...	...
1912	2,758	2,712	5,470	...	84	5,579	+130	...	...	19	...	...	...	...	...
1913	2,839	2,792	5,631	...	89	5,736	+157	...	...	19	...	...	...	...	...
†1914	2,886	2,843	5,729	...	93	5,827	+91	...	...	25	...	...	...	...	...
§1915	2,882	2,885	5,767	...	86	5,827	+35	...	...	36	...	...	...	...	...
1916	2,882	2,911	5,793	...	15	5,862	+68	...	...	27	...	...	...	...	...
1917	2,901	2,932	5,833	...	11	5,883	+51	...	...	29	...	...	...	...	...
1918	2,889	3,026	5,915	...	12	5,919	+6	...	...	20	...	...	...	...	...
1919	2,855	2,991	5,846	...	14	6,000	+110	...	...	21	...	...	...	...	...
1920	2,888	2,942	5,830	...	16	5,937	-63	...	...	30	...	...	...	...	...
				...	17	5,925	-12	...	...	42	...	...	...	...	...
				...	17	5,925	-12	...	...	34	...	...	...	...	...

* Private Licensed Houses recognised.

† Receiving House, Royal Park, opened September, 1907.

‡ Voluntary Boarder Act, in force October, 1914.

§ War Mental Treatment Act, in force August, 1915.

TABLE V.—Showing the Admissions, Discharges, and Deaths, with the Mean Annual Mortality and Proportion of Recoveries per cent. of the Admissions, for each Year since the 1st January, 1891.

Year.	Admitted.			Discharged.			Died.			Remaining 31st December in each Year.			Average Numbers Resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on the Average Numbers Resident.					
	Recovered.		Total.	Relieved.		Total.	Died.		Total.	Remaining 31st December in each Year.		Total.	Average Numbers Resident.		Total.	Percentage of Recoveries on Admissions.		Total.	Percentage of Deaths on the Average Numbers Resident.					
	Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.	Total.	Males.	Females.	Total.
1891	427	318	745	170	137	307	25	16	41	201	92	293	2,090	1,778	3,868	1,993	1,630	3,623	39.81	43.08	41.21	10.08	5.64	8.09
1892	399	307	706	142	144	286	20	22	42	181	102	283	2,136	1,818	3,954	2,045	1,681	3,726	35.59	46.90	40.51	8.85	6.07	7.59
1893	384	296	680	153	102	255	25	40	65	177	94	271	2,161	1,877	4,038	2,112	1,748	3,860	39.84	34.46	37.50	8.38	5.37	7.02
1894	402	293	695	124	97	221	21	43	64	207	118	325	2,205	1,911	4,116	2,119	1,793	3,912	30.84	31.11	31.80	9.77	6.58	8.31
1895	377	277	654	115	106	221	25	41	66	211	114	325	2,221	1,927	4,148	2,125	1,804	3,929	30.50	38.26	33.79	9.93	6.32	8.27
1896	384	305	689	114	96	210	19	37	56	231	129	360	2,234	1,970	4,204	2,147	1,823	3,970	29.69	31.47	30.48	10.76	7.08	9.07
1897	435	341	776	117	100	217	39	47	86	209	115	324	2,292	2,049	4,341	2,203	1,884	4,087	26.89	29.33	27.96	9.49	6.10	7.93
1898	396	324	720	127	108	235	25	38	63	233	133	366	2,300	2,094	4,394	2,202	1,936	4,138	32.07	33.33	32.63	10.58	6.87	8.84
1899	428	364	792	183	169	352	27	51	78	197	151	348	2,314	2,084	4,398	2,230	1,976	4,206	12.76	46.43	44.44	8.83	7.64	8.27
1900	366	335	701	162	119	281	21	39	60	205	148	353	2,286	2,113	4,399	2,259	2,002	4,261	44.26	35.52	40.09	9.07	7.39	8.28
1901	418	351	769	174	125	299	11	16	27	202	128	330	2,307	2,194	4,501	2,242	2,050	4,292	41.62	35.61	38.88	9.01	6.24	7.68
1902	455	341	796	176	182	358	28	27	55	217	145	362	2,371	2,199	4,570	2,275	2,073	4,348	38.19	47.60	42.29	9.33	6.99	8.32
1903	432	334	766	165	159	324	27	24	51	198	133	331	2,393	2,249	4,642	2,275	2,091	4,367	37.87	35.04	37.03	8.70	6.36	7.58
1904	404	344	748	153	124	277	24	36	60	184	136	320	2,436	2,332	4,768	2,304	2,151	4,455	37.25	29.88	33.87	7.98	6.32	7.18
1905	400	338	738	149	101	250	22	17	39	156	137	293	2,484	2,389	4,873	2,323	2,200	4,523	37.56	32.88	35.32	6.71	5.23	6.47
1906	402	371	773	151	122	273	40	47	87	191	137	328	2,548	2,413	4,961	2,346	2,225	4,571	26.85	34.40	30.08	8.14	6.15	7.17
1907	417	311	728	112	107	219	35	33	68	229	150	379	2,557	2,457	5,014	2,392	2,253	4,645	28.39	24.55	26.65	9.57	6.65	8.16
1908	405	334	739	115	82	197	42	50	92	224	147	371	2,612	2,485	5,097	2,379	2,274	4,653	30.33	32.26	31.11	9.41	6.4	7.97
1909	455	310	765	138	100	238	26	31	57	233	135	368	2,655	2,586	5,241	2,412	2,304	4,716	22.03	22.10	22.07	9.66	5.85	7.80
1910	422	380	802	93	84	177	43	44	87	244	158	402	2,681	2,659	5,340	2,452	2,364	4,816	28.04	24.16	26.19	9.96	6.68	8.35
1911	428	389	817	120	94	214	24	45	69	235	151	386	2,758	2,712	5,470	2,529	2,409	4,938	21.05	29.71	24.81	9.29	6.27	7.82
1912	456	350	806	95	104	200	40	38	78	238	155	393	2,839	2,792	5,631	2,535	2,448	4,983	23.68	22.25	23.08	9.39	6.33	7.89
1913	494	354	848	117	81	198	50	41	91	238	155	393	2,839	2,792	5,631	2,535	2,448	4,983	23.68	22.25	23.08	9.39	6.33	7.89
1914	445	362	807	128	92	220	40	43	83	210	174	384	2,886	2,842	5,729	2,584	2,462	5,046	28.76	25.41	27.26	8.12	7.06	7.60
1915	445	362	807	128	92	220	40	43	83	210	174	384	2,886	2,842	5,729	2,584	2,462	5,046	28.76	25.41	27.26	8.12	7.06	7.60
1916	434	390	824	108	110	218	56	37	93	262	199	461	2,882	2,885	5,767	2,622	2,509	5,131	24.88	28.21	26.46	9.99	7.93	8.98
1917	403	369	772	105	100	205	41	40	81	251	200	451	2,882	2,911	5,793	2,607	2,541	5,148	26.05	27.10	26.55	9.62	7.87	8.76
1918	402	360	762	80	103	183	55	50	105	230	179	409	2,901	2,932	5,833	2,606	2,539	5,145	19.00	28.61	24.02	8.83	7.05	7.95
1919	346	416	762	75	80	155	62	65	127	218	172	390	2,889	3,026	5,915	2,612	2,577	5,189	21.68	19.73	20.34	8.35	6.67	7.52
1920	384	361	745	83	109	192	67	89	156	259	189	448	2,855	2,991	5,846	2,598	2,589	5,187	21.61	10.19	25.77	9.97	7.30	8.64
1920	465	399	864	77	150	227	72	90	162	271	200	471	2,888	2,942	5,830	2,621	2,589	5,210	16.56	37.59	26.27	10.45	7.72	9.10
Total	12,465	10,334	22,799	3,822	3,387	7,209	1,052	1,137	2,289	6,510	4,350	10,860	70,411	65,011	135,422	30,411	28,167	58,578	30.66	32.78	31.62	9.25	6.69	8.02

TABLE VII.—Showing in Quinquennial Periods the Ages of those Admitted, Recovered, Relieved, Not Improved, Escaped not Retaken, and Died, during the Year 1920, and of those Remaining on 31st December, 1920.

Ages.	Admitted.		Discharged.						Escaped Patients not Retaken.		Died.		Remaining on 31st December, 1920.	
	Male.	Female.	Recovered.		Relieved.		Not Improved.		Male.	Female.	Male.	Female.	Male.	Female.
			Male.	Female.	Male.	Female.	Male.	Female.						
Under 5 years	9	5	...	...	1	1	...	...	...	3	4	7	11	4
5 years and under 10 years	11	6	...	...	...	...	...	...	...	1	4	5	25	12
10 "	9	4	...	...	...	...	...	...	...	...	...	5	35	25
15 "	22	20	7	2	3	1	4	...	...	5	3	8	65	57
20 "	41	30	8	22	30	12	20	1	1	1	1	16	132	89
25 "	48	40	6	18	24	5	11	16	1	1	1	12	189	172
30 "	45	34	11	14	25	9	9	18	...	...	...	26	264	220
35 "	41	42	6	13	19	6	14	20	1	2	7	33	278	266
40 "	26	33	10	20	30	9	11	20	...	...	...	23	281	313
45 "	40	44	7	18	25	12	11	23	1	1	7	26	316	354
50 "	39	39	6	19	25	6	8	14	...	...	...	43	354	401
55 "	30	26	6	10	16	7	5	12	1	1	23	51	332	347
60 "	41	25	6	10	16	2	2	4	1	1	25	46	207	214
65 "	27	11	...	1	1	1	1	1	...	...	23	15	38	161
70 "	13	13	1	3	4	1	1	2	...	...	13	32	88	86
75 "	9	14	3	...	3	...	...	...	...	...	19	32	88	86
80 "	6	7	...	...	...	2	1	3	...	...	24	18	42	33
85 "	3	2	...	...	...	...	...	...	...	...	13	11	24	24
90 "	...	...	...	...	...	...	...	...	...	...	10	4	15	18
Unknown...	5	4	...	...	...	1	2	3	...	...	3	10	77	83
Total	465	399	77	150	227	72	90	162	3	7	10	200	474	2,888
Hospitals for the Insane, Mean Age	44.34	44.63	41.48	40.26	41.24	40.91	42.18	39.56	40.72	39.33	46.57	47.58	49.34	48.48
Idiot Asylum, Mean Age	9.47	12.17	10.52	...	...	16.00	17.00	16.33	...	...	...	13.62	16.58	19.87

TABLE VIII.—Showing the Probable Causes of Insanity in the Patients Admitted during the Year 1920

Causes of Insanity.	Number of Instances in which each Cause was Assigned.											
	Admissions			No. of Cases— 465 Males, 399 Females, 864 Total.								
	As Predisposing Cause.			As Exciting Cause.			As Predisposing or Exciting (where these could not be distinguished)			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
MORAL.												
Domestic Trouble (including loss of relatives and friends)	1	...	1	1	2	3	...	...	...	2	2	4
Adverse Circumstances (including business anxieties and pecuniary difficulties)...	...	...	...	2	1	3	...	...	...	2	1	3
Mental Anxiety and Worry (not included under the above two heads), and Over Work ...	5	1	6	16	28	44	...	...	...	21	29	50
Religious Excitement ...	...	3	3	...	4	4	...	...	...	...	7	7
Love Affairs (including seduction) ...	...	...	...	...	4	4	...	...	...	...	4	4
Fright and Nervous Shock ...	...	...	...	2	1	3	...	...	...	2	1	3
PHYSICAL.												
Intemperance in Drink ...	13	8	21	32	9	41	...	...	...	45	17	62
Intemperance (sexual) ...	...	1	1	...	...	...	...	...	...	...	1	1
Venereal Disease ...	3	...	3	51	12	63	...	...	...	54	12	66
Self Abuse (sexual) ...	1	1	2	1	...	1	...	...	...	2	1	3
Over Exertion ...	...	...	...	3	1	4	...	...	...	3	1	4
Sunstroke ...	...	...	...	1	...	1	...	...	...	1	...	1
Accident or Injury ...	3	...	3	8	2	10	...	...	...	11	2	13
Pregnancy ...	...	...	...	...	3	3	...	...	...	...	3	3
Parturition and the Puerperal state ...	...	...	...	...	21	21	...	...	...	...	21	21
Lactation ...	...	...	...	...	4	4	...	...	...	...	4	4
Uterine and Ovarian Disorders ...	...	...	...	...	...	...	...	...	...	...	...	...
Puberty ...	...	2	2	10	7	17	...	...	...	10	9	19
Change of Life ...	...	4	4	...	27	27	...	...	...	...	31	31
Fevers ...	...	...	...	3	...	3	...	...	...	3	...	3
Privation and Starvation ...	1	1	2	1	2	3	...	...	...	2	3	5
Old Age ..	14	20	34	14	22	36	16	12	28	44	54	98
Other Bodily Diseases or Disorders ...	1	5	6	57	57	114	5	...	5	63	62	125
Previous Attacks ...	23	30	53	...	6	6	...	...	...	23	36	59
Hereditary Influences ascertained (direct and collateral)	42	53	95	10	1	11	...	...	...	52	54	106
Congenital Defect ascertained	58	31	89	44	37	81	...	...	...	102	68	170
Other ascertained Causes, ...	...	...	...	1	...	1	3	...	3	4	...	4
Unknown ...	...	...	...	3	5	8	69	33	102	72	38	110
Epilepsy ...	1	...	1	2	3	5	...	...	...	3	3	6
War Service ...	...	...	...	5	...	5	...	...	...	5	...	5
Total ...	...	...	...	...	...	...	...	...	...	526	464	990
Deduct for combined Causes	...	...	...	...	...	...	...	...	...	61	65	126
Total Admissions ...	...	...	...	...	...	...	...	...	...	465	399	864

TABLE IX.—Showing the Form of Mental Disorder on Admission in the Admissions, Recoveries, and Deaths for the Year 1920, and the Form of Mental Disorder of the Patients remaining on Books on 31st December, 1920.

Form of Mental Disorder.	Admissions.			Recoveries.			Deaths.			Remaining on Books.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
I. Congenital or infantile mental deficiency (idiocy or imbecility) occurring as early in life as it can be observed—												
1. Intellectual :												
(a) With epilepsy ...	24	19	43	...	...	...	19	13	32	105	102	207
(b) Without epilepsy ...	53	27	80	2	...	2	17	11	28	409	267	676
2. Moral ...	...	1	1	...	...	...	...	...	...	1	...	1
II. Insanity occurring later in life—												
1. Insanity with Epilepsy ...	16	8	24	2	4	6	13	7	20	110	118	228
2. General Paralysis of the Insane ...	47	7	54	2	1	3	42	6	48	54	15	69
3. Insanity of the grosser brain lesions ...	8	9	17	2	...	2	5	9	14	21	19	40
4. Acute delirium (acute delirious mania) ...	2	1	3	1	1	2	1	1	2	...	6	6
5. Confusional Insanity ...	27	19	46	17	12	29	2	2	4	15	13	28
6. Stupor ...	3	4	7	...	6	6	...	1	1	3	3	6
7. Primary Dementia ...	59	39	98	13	15	28	15	13	28	320	318	638
8. Mania :												
(a) Recent ...	14	34	48	4	19	23	9	17	26	9	21	30
(b) Chronic ...	...	2	2	...	...	...	1	1	2	45	111	156
(c) Recurrent ...	18	25	43	6	15	21	5	3	8	35	44	79
9. Melancholia :												
(a) Recent ...	23	57	80	5	36	41	14	15	29	25	45	70
(b) Chronic ...	1	9	10	...	3	3	3	5	8	15	34	49
(c) Recurrent ...	5	8	13	1	6	7	1	...	1	10	12	22
10. Alternating Insanity ...	3	2	5	...	1	1	...	2	2	5	2	7
11. Delusional Insanity:												
(a) Systematized ...	23	12	35	1	1	2	8	7	15	121	101	222
(b) Non-systematized ...	30	35	65	16	22	38	18	17	35	122	125	247
12. Volitional Insanity :												
(a) Impulse ...	14	8	22	...	...	...	...	...	...	30	14	44
(b) Obsession ...	19	14	33	2	2	4	1	...	1	...	10	10
(c) Doubt ...	2	1	3	1	1	2	...	...	...	...	4	4
13. Moral Insanity ...	...	2	2	...	1	1	...	...	...	1	1	2
14. Dementia :												
(a) Senile ...	52	44	96	...	3	3	57	47	104	178	195	373
(b) Secondary or Terminal ...	19	12	31	2	1	3	38	22	60	1,014	1,024	2,038
Alcoholic Insanity ...	3	...	3	...	...	...	...	...	...	1	...	1
On trial leave, and boarded out ...	...	...	...	...	...	...	5	1	6	239	330	569
Total ...	465	399	864	77	150	227	274	200	474	2,888	2,942	5,830

TABLE X.—Showing the condition as to Marriage in Patients Admitted, Recovered, Relieved, Not Improved, Escaped not Retaken, and Died during the Year 1920, and of Patients Remaining, 31st December, 1920.

Condition in Reference to Marriage.	Admitted.			Discharged.									Escaped Patients not Retaken.			Died.			Patients Remaining, 31st December, 1920.		
	M.	F.	Total.	Recovered.			Relieved.			Not Improved.			M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
				M.	F.	Total.	M.	F.	Total.	M.	F.	Total.									
Single ...	231	167	398	48	66	114	36	37	73	3	3	6	4	1	5	126	66	192	1,979	1,588	3,567
Married	159	149	308	25	72	97	28	48	76	...	3	3	1	...	1	93	74	167	563	915	1,478
Widowed	26	60	86	2	12	14	3	4	7	...	1	1	...	...	...	21	36	57	68	223	291
Unknown	13	...	13	2	...	2	3	...	3	...	...	...	1	...	1	14	11	25	82	58	140
Total	429	376	805	77	150	227	70	89	159	3	7	10	6	1	7	254	187	441	2,692	2,784	5,476

NOTE.—Excluding patients at the Idiot Asylum, Kew, none of whom are married.

TABLE XI.—Showing the Causes of Deaths during the Year 1920.

Cause of Death.	Yarra Bend.		Kew.		Kew Idiot Asylum.		Ararat.		Beechworth.		Sunbury.		Ballarat.		Royal Park.		Mount Park.		Total.										
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.									
	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.									
Diseases of the Nervous System—																													
Meningitis, Inflammation of Brain, Cerebro-Spinal Meningitis	14	5	19	23	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General Paralysis of the Insane	5	2	7	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebral Softening	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epilepsy and Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hemiplegia, Apoplexy, Cerebral Haemorrhage, Cerebral Embolism	3	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Organic Diseases of Brain, including Tumours	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Exhaustion from Mania or Melancholia, not caused by Nervous Disease otherwise designated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paraplegia and Diseases of Cord, Locomotor Ataxia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Neuritis and General Sclerosis of Nervous System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Blood Vessels—																													
Aneurism, Arterio-Sclerosis, and other diseases not included in Diseases of Nervous System	2	1	3	2	7	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Respiratory System and Thorax—																													
Pulmonary Phthisis	5	4	9	1	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia, Bronchitis, Pleurisy	14	9	23	14	15	29	15	2	1	3	...	...	...	...	...	...	...	...	...	...	...
Other forms of Pulmonary disease	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Heart—																													
Valvular Disease, Fatty Degeneration, Cardiac Syncope, &c.	4	2	6	4	5	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Digestive System—																													
Diseases of Mouth, Pharynx, Stomach (non-malignant)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Intestines, Liver, and Peritoneum (non-tubercular)	1	3	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Genito-Urinary System—																													
Diseases of Kidney, Bladder, Prostate, &c.	5	1	6	7	3	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General Diseases—																													
Dysentery (Colitis), Epidemic Diarrhoea, Infective Enteritis	5	1	6	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea not otherwise designated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abscess, Pyæmia, Septicæmia, and Cellulitis	3	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid, Influenza, and other Fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer, Carcinoma, Sarcoma, Malignant Disease, <i>excluded</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ing Malignant Tumour of Brain	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis and other Venereal Disease	3	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General Tuberculosis and Tubercle of (organs other than Lungs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of Thyroid, Lymphatic, and other glands	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, and Old Age	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Accidents	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicides	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	73	40	113	69	44	113	20	13	33	7	29	21	15	36	44	58	102	16	20	36	2	1	3	7	2	9	127	120	474

Ascertained by post-mortem examinations—males, 215; females, 157. Total, 372.

STATE INSTITUTIONS FOR THE INSANE.

Admissions.—The admissions to the State Hospitals in 1920 reached 864—which is the highest rate recorded in the history of the Department. There was also the highest recorded number of admissions to our various Receiving Houses and Receiving Wards, viz., 934. These increased figures may be regarded as the result of lower admission rates of the preceding four years, and indicate merely a return to what may be considered as normal conditions. It should be noted, however, that of the total number of admissions to the State Hospitals no less than 623 were cases transferred from the Receiving Houses and Wards. This points to the increasing use which is being made of these receiving institutions, and forms a strong argument in support of the claim that additional accommodation should be provided at our principal Receiving House at Royal Park.

Causation.—Congenital mental deficiency is assigned as the cause, or rather the diagnosis, of 20 per cent. of our admissions to the State Hospitals. Senility is said to be responsible for 11·4 per cent of the cases; venereal disease for 7·5 per cent; alcoholism for 7·2 per cent.; and moral causes, so-called, 7 per cent. There were admitted 54 cases of general paralysis of the insane, *i.e.*, 6·25 per cent. of the total number of admissions, and this is approximately the same proportion as in previous years. Inasmuch as the incidence of general paralysis is some indication of the total amount of syphilis in the community, a table is attached below showing the fluctuations in this respect :—

General Paralysis of the Insane.

STATE HOSPITALS.

Year.	Admissions.			Deaths.			Total Admissions.	Daily average number resident.
	M.	F.	T.	M.	F.	T.	M. and F.	M. and F.
1905 .. ..	..	..	16	15	1	16	738	4,455
1906 .. ..	..	..	24	22	2	24	773	4,523
1907 .. ..	..	..	42	19	3	22	728	4,571
1908	48	5	53	43	3	46	739	4,645
1909	42	2	44	50	4	54	765	4,653
1910	57	11	68	48	4	52	802	4,716
1911	67	2	69	49	8	57	817	4,816
1912	65	11	76	47	9	56	806	4,938
1913	75	13	88	53	6	59	858	4,983
1914	66	17	83	50	9	59	807	5,046
1915	60	8	68	68	8	76	824	5,131
1916	55	2	57	57	12	69	772	5,148
1917	51	5	56	53	9	62	762	5,145
1918	36	8	44	40	10	50	762	5,189
1919	41	5	46	44	9	53	745	5,187
1920	47	7	54	43	7	50	864	5,210

Discharges.—With an increased admission rate, one would expect an increased discharge rate, and that apparently is the case this year. As indicated by the figures shown below, there has been a very definite increase in the discharges from both State Hospitals and Receiving Houses. These figures do not include the Voluntary Boarder discharges, nor those from Military Hospitals, which are separately dealt with.

Discharged.—

	Hospitals for the Insane.				Receiving Houses and Wards.		
	M.	F.	T.		M.	F.	T.
Recovered ..	77	150	227	..	151	92	243
Relieved ..	72	90	162	..	4	14	18
Not improved	3	7	10	..	2	1	3
	152	247	399		157	107	264

Deaths.—There were 474 deaths during the year, which is also the highest number of deaths recorded during any one year in the history of the Department. Of these deaths 372 were submitted to *post-mortem* examination. There were also 6 deaths in the Receiving House. One hundred and fifty-three of the deaths were due to pulmonary complaints, 107 being due to pneumonia, 38 to consumption, and 8 to other pulmonary conditions; 58 of the deaths were due to some form of cardiac disease. In 6·5 per cent. of the deaths, the causation was said to be old age. The accidental deaths given in the statistical table have been referred to in the reports of the various institutions.

BOARDED OUT ON 31ST DECEMBER, 1920.

Patients boarded out to—	Males.	Females.	Total.
Private Individuals	6	7	13
Ballarat Benevolent Asylum	12	22	34
Castlemaine Benevolent Asylum	27	10	37
Bendigo Benevolent Asylum	8	23	31
Total	53	62	115

NURSING EXAMINATIONS, 1920.

	No. of Candidates.	Passed.	Failed.
First Year—Attendants ..	13	5	8
Nurses ..	44	25	19
Second Year—Attendants ..	10	4	6
Nurses ..	27	23	4
Third Year—Attendants ..	12	6	6
Nurses ..	26	12	14

The thanks of the Inspector-General are due to the Medical Superintendents at Kew and Royal Park for the assistance they have afforded him in conducting these examinations.

The results on the whole were satisfactory, but, as may be surmised from the tables, a very much higher degree of efficiency is required for the Third and Final Year's examination than is the case with the preceding years.

STATE HOSPITALS FOR THE INSANE.

HOSPITAL FOR THE INSANE, YARRA BEND.

At the end of 1919, there were 307 males and 402 females, making a total of 709 patients in this institution. During the year 118 males and 77 females were admitted directly, and 15 males and 25 females were transferred from other hospitals. The discharges amounted to 37 recoveries and 24 relieved. There were transferred to other Hospitals for the Insane 27 males and 61 females. The deaths were 73 males and 40 females.

At the end of the year there were resident 314 males and 372 females, making a total of 686. The daily average number resident was 721. The numbers were reduced by the fact that two cottages on the Female Division were closed, and the patients belonging to them were sent to Mont Park.

The Medical Superintendent comments on the number of senile and hospital cases amongst the admissions, and also on the very large number of violent and refractory patients.

There were several accidents, none of them being fatal, and none of them calling for special inquiry.

One nurse developed typhoid fever, and was transferred to the Melbourne Hospital, where she ultimately recovered.

No new works have been undertaken in this institution, it being an accepted principle that at the earliest date Yarra Bend should be closed and its inmates transferred to the new institution at Mont Park. It is only necessary to add that nothing should be permitted to interfere with the consummation of this policy.

HOSPITAL FOR THE INSANE, KEW.

The daily average number of patients resident in the main institution was 494 males and 379 females. During the year 259 patients were admitted, 59 were discharged, and 73 were transferred from Kew to other hospitals. The deaths were 69 males, 44 females, making a total of 113. Of the admissions 29 were cases of general paralysis, and Dr. Gamble reports that of the total admissions at least two-thirds of them were regarded as hopeless so far as recovery was concerned. Forty-seven cases were attributed to acquired syphilis, and 35 cases to known hereditary influences. Congenital defect was attributed in 42 cases, toxæmic conditions in 20 cases, and old age in 19 cases. In only three cases was the mental trouble attributable to intemperance in drink.

There were ten more or less serious accidents recorded amongst the patients during the year. Five old patients sustained fractures of the neck of the femur—all through accidental falls. All of these accidents were carefully investigated, and in no case could blame be attached to the staff.

The record of ten years without seclusion or restraint was broken during the year by the fact that a very violent male patient had to be restrained by camisole for a total period of 89 hours.

CHILDREN'S COTTAGES, KEW.

The receptions numbered 70. Three were discharged relieved, 4 transferred to other hospitals, and 33 patients died. The average numbers resident during the year were 175 males, 152 females, total 327.

The mean age of those admitted was 10 years; the mean age of those who died was 16, and the mean age of those remaining at the end of the year was 21. The causation was generally put down as congenital mental defect, which in Dr. Gamble's opinion is merely a synonym for congenital syphilis. Of the 33 deaths, no less than 23 were due to pneumonia and bronchitis, but generally speaking the health of the patients in the institution was good and no infectious disease made its appearance. A boy who was regarded as generally trustworthy, and who worked in the laboratory, was found drowned in the Yarra whence he had gone apparently for a swim. There was no question of any suicidal intent.

It is worthy of record that as a result of regular immunisation that typhoid fever has been practically stamped out of this institution.

Both sections at Kew require a considerable sum of money being spent on them in order to prevent deterioration to the fabric and in order to make them more efficient.

It is proposed that quarters for nurses should be built over the old laundry block, thus providing accommodation for 30 nurses.

The old wash-house should be converted into sewing rooms and rooms for the tailor and tailoress. A new chimney stack should be constructed at the same time.

It is estimated that this work will involve an expenditure of £5,000.

The principal necessity of the main asylum is the construction of a proper hospital ward for male and female bedridden cases.

When sufficient electrical power is available, a definite economy in the current expenditure will be achieved by the installation of a proper electric lighting system throughout the whole institution.

In the Children's Cottages, the extension of the sewerage system should be provided for, as well as a large ward for the bigger boys--which will replace the old worn-out tent accommodation. The various wards and blocks should be connected by an internal corridor system, and messrooms for the attendants and nurses should be provided. A great deal of repair to asphalt paths is necessary.

The external walls of Kew are beginning to show evidences of years of past neglect. The roofing, spouting, and external woodwork demands a very considerable amount of protective expenditure, whilst internally additional comfortable furniture should be supplied in practically all the wards.

HOSPITAL FOR THE INSANE, ARARAT.

At the beginning of the year there were 610 patients in the hospital, and at the end of the year 638. These numbers include 50 patients in the criminal ward. The direct admissions number 12, but there were 61 patients transferred to Ararat from other institutions. The discharges numbered 10 and the deaths 29. The general health of the patients was satisfactory. There was no epidemic disorder. So far as the deaths were concerned, there was nothing unusual in any of them. Many of the patients died of senile decay.

Restraint was necessary by camisole in the case of one male patient. The accidents were insignificant.

Dr. D. A. Campbell, previously at Yarra Bend, is now the Medical Superintendent of this institution.

The condition of the institution generally has been good, but there is considerable need for repairs. The principal desideratum is the building of quarters for nurses which will at the same time provide additional single room accommodation for patients. An additional boiler and a radiator system of warming for the whole institution would eventually prove to be an economy, as well as making the living conditions of the patients more comfortable. Good observation dormitories are wanted in connexion with the Admission Cottages.

HOSPITAL FOR THE INSANE, BEECHWORTH.

There were 652 patients in residence at the beginning of the year, and at the end the numbers had fallen to 621. Fifteen patients were direct admissions, and there were 19 transfers from other institutions. Nine patients were discharged and 36 patients died.

The general condition of the patients throughout the year was good, and only one mild case of typhoid occurred. There is no doubt that the protective vaccine which has been used in this institution from time to time has had the effect of freeing the institution from this epidemic manifestation.

Dr. Catarinich in his report comments on the difficulty which has been experienced in recent years of clothing the patients, and the fact must be admitted that the difficulties in this respect have been extremely great. It has been practically impossible to get satisfactory clothing, such as has been in use for many years in these institutions, at even a very considerable advance on pre-war prices.

This institution is generally in good condition, but there are certain requirements which should be mentioned. They are as follows :—

A radiator system should be installed in the male wards, similar to that on the female side.

A female hospital for 30 patients should be erected in the cottage section on much the same lines as the hospital ward on the male side.

The disposal of sewage should be altered, and it is recommended that an extensive trial of the "Kaustine" system of sewage disposal should be undertaken in this institution. The ideal for all such institutions is a water-borne sewerage system, but in some of the State Hospitals such a system will be impossible of realization.

It is intended to pull down the cottage for the head attendant and reconstruct it in another part of the grounds; in its present position it is dangerous of occupation, owing to its proximity to certain surface drains.

HOSPITAL FOR THE INSANE, SUNBURY.

The average numbers resident during the year were 451 males and 506 females, making a total of 957. The actual number on the books was 1,089, but this included a large number of patients boarded out.

There were 118 receptions and 39 discharges, as well as three voluntary boarders, all of whom were male patients. The deaths were 49 males and 50 females, and one of these was due to suicide. A male patient escaped during the night and was found drowned in the reservoir. Restraint was necessary by camisole in the case of one female patient for occasional attacks of extreme violent excitement. Generally speaking the health of the patients was good, and there were no epidemic disorders.

So far as the necessities of this institution are concerned, the principal one is the erection of a proper residence for the nurses. The internal reconstruction of certain of the "Hill" wards should be completed, and a large ward for quiet working female patients should be erected in the neighbourhood of the kitchen. The renovation of the bathrooms in four wards with proper baths and sewers is necessary. A new water main from the local service reservoir is required. A very considerable amount of money should be found to provide for external painting and renovation of spouting and the repair of roofs. Several floors require to be relaid, and in the hospital ward especially repairs to plaster is very necessary. A new recreation hall is also a desideratum.

HOSPITAL FOR THE INSANE, BALLARAT.

At the end of the year there were in this institution 221 males and 414 female patients, making a total of 635. Twenty-five patients were on leave of absence and 36 boarded out—mostly in the Ballarat Benevolent institution. The daily average numbers resident were 216 males and 402 females. There were 75 admissions to the hospital and 14 patients transferred there.

Twenty-seven patients were discharged and 8 transferred away. There were 16 male and 20 female deaths.

There were no special epidemic disorders, and no casualties of any degree of severity.

A male patient was secluded for a total of eleven hours on account of violence, and one male patient who had wounded himself with glass had to be kept for considerable periods in a camisole on account of his determined attempts to commit suicide. Four female patients occasionally required restraint by camisole for epileptic furor. Difficulty was experienced with the sewerage system, and it would seem that there were certain defects in the laying of the sewers. Very slow progress was made with the restoration and extension of the hospital block which was burnt down. It is anticipated that somewhere about the middle or end of 1921 the ward will be available for occupation. It will afford good accommodation for the hospital class of patients—the sick and infirm.

This institution is one in which it is possible for us to make comparatively cheap additional accommodation, and the following should be undertaken at as early a date as possible :—

1. The provision of electric lighting throughout the whole of the institution.
2. The renovation of the old male section and the provision of accommodation for refractory male patients.

3. The building of a house for the secretary which will set free his present quarters for additional staff—nurses or attendants as the case may be.
4. The provision of a new store and a central dining room for nurses and attendants.
5. A ward for refractory female patients.

Inquiries are being made as to the desirability of bringing a railway spur into the boiler-house yard. It may result in certain economy in handling the fuel supplies. Some additional accommodation is urgently required for the female staff.

RECEIVING HOUSE, BALLARAT.

There were 74 admissions during the year, as well as 2 male and 8 female voluntary patients. The discharges totalled 39 and 43 were transferred from the Receiving House to Hospitals for the Insane. The daily average number of patients resident in the institution was only 7, and Dr. Shaw in reporting on this institution is justified in his contention that we are keeping up an unnecessarily large institution and staff to deal with a comparatively small number of patients. This is certainly the case, but it is largely owing to the fact that the Receiving House and its special facilities and functions are not sufficiently widely known in the district. We not infrequently find that cases go past Ballarat to reach the Receiving House in Melbourne, and cases are sent from Geelong to Melbourne rather than to Ballarat. Notwithstanding this fact, the number of patients that do recover whilst under observation is sufficiently large to justify the continuation of the present institution.

MENTAL HOSPITAL AND RECEIVING HOUSE, ROYAL PARK.

These two institutions are under one administration and may be conveniently considered together. This year the admission rate has been extremely heavy. Omitting the question of escapees retaken, 1,082 patients were received for observation and care.

This year saw the end of the Military work at Royal Park. Eleven were admitted during the year, making a total of 46 under care. Of these, 40 were discharged recovered and 6 others were transferred either to Mont Park or to the Receiving House temporarily.

The use of the Voluntary Boarder form of admission has been considerable. At the beginning of the year there were 19 Voluntary Boarders in residence and 63 males and 35 females made voluntary application, so that there was a total of 117 under care. Of these 85 were discharged recovered, 8 of each sex were certified, and 16 remained at the end of the year. The recovery rate was, therefore, 86 per cent. on the total number admitted.

To the Receiving House proper, 438 males and 371 females were admitted, and to the Mental Hospital 62 males and 99 females. Taking the recoveries from the Receiving House and the Mental Hospital together, and also including the Voluntary Boarders, 410 patients were discharged recovered, 95 relieved, and 7 not improved.

The transfers to other institutions totalled 358 males and 335 females. One patient was found not to be insane. The deaths numbered 34—19 males and 15 females. One female patient committed suicide by hanging from a blind cord which she tied around her neck during the temporary absence of the nurse who was held to have shown culpable but unintentional want of judgment and was allowed to resign.

Two female patients had to be restrained by camisole intermittently in order to prevent them interfering with surgical wounds present on reception.

The Medical Superintendent comments on the lack of discrimination shown by medical practitioners in sending cases to Royal Park. A wholly unnecessary proportion of demented, chronic and senile cases are sent to the Receiving House, whereas there is no question that they should have been sent direct to a Hospital for the Insane. There were 111 cases of senile dementia so sent, as well as 62 cases of congenital mental deficiency. Practically all of these cases should not have been sent.

In those admitted, 18 per cent. in the case of males, and 5 per cent. in the case of females, was due to alcoholism; 6.4 males showed the causation as venereal disease, and the other causations were much as usual.

There is very good reason to ask for additional accommodation for patients. Additional cottages or wings should be built in order to accommodate the more noisy recent and acute cases.

Dr. Philpott suggests the establishment of a convalescent home as an adjunct to the Lunacy Department, and this suggestion is undoubtedly a valuable and wise one. It would be of the greatest assistance to a large number of patients who have made a good recovery up to a certain point in the Hospitals and who require a certain period in which to recruit their health before returning to their homes and usual avocations.

HOSPITAL FOR THE INSANE, MONT PARK.

At the end of the year there were 220 males and 217 females, making a total of 437 in residence.

During the preceding twelve months there were 29 direct receptions and 85 patients transferred—the majority being female patients who were sent to the newly-opened Laundry Workers' Block. This block had previously been loaned to the Defence Department as a convalescent hospital.

Generally speaking, the health of the patients was good during the year. Although there were nine deaths, they were all of an ordinary character and called for no comment. Good work generally has been done on the farm and gardens, but it must be remembered that this institution is as yet only in process of evolution and a good deal remains to be done before it can be considered a completely equipped institution.

The Defence Department vacated ten of the twelve blocks in No. 16 A.G.H. and the remainder are being occupied by the military mental cases. The new blocks which were being built for the military mental cases have been completed, but they are as yet unoccupied.

Before the end of the year authority was given for the erection of a Nurses' Home and for extensions to the laundry. Airing court railings, shelter sheds and outside lavatories were also authorized. It is unlikely, however, that these works will have proceeded sufficiently for complete use before the middle of 1922.

The wards used by the military will require renovation and painting from one end to the other, and the airing courts will require laying out on lines suitable to the class of patients for which this block is intended.

An entrance lodge to the institution should be erected at the end of the Waiora Road, and a properly constructed hall for recreation and divine service is also very necessary.

The difficulties of housing our staff at Mont Park will be considerable. The married men will have to come some distance by rail, and I strongly urge that a system of building cottages for these employees should be undertaken, as I feel sure that it will result in greater security for the property and better contentment amongst our workers.

The property known as Janefield—which belongs to this Department—has been loaned to the Red Cross Society to establish a farm colony for consumptive soldiers.

The Department of Repatriation still have a goodly portion of the Sugarloaf site for their consumptive sanatorium. There is no agreement with the latter Department as to their length of tenure of this site, which is a valuable one.

MILITARY MENTAL HOSPITAL, MONT PARK.

At the beginning of the year there were 75 patients in residence and 10 on leave. At the end of the year there were 94 in residence and 6 on leave. The numbers admitted during the year were 92 direct admissions and 2 transfers. Sixty-five patients were discharged cured and two not improved. Six were committed to Hospitals for the Insane and six died. One patient succeeded in making his escape from the airing court and after some days his body was found; he had shot himself in the head.

The general health of the patients has been satisfactory and there has been no epidemic of any kind, but there is accumulating a large number of permanently demented cases who will require permanent segregation and care.

This institution, which was originally controlled by the Defence Department, has been handed over to the Department of Repatriation. It is desirable that it should ultimately pass under the complete control and management of the Lunacy Department.

Dr. Hollow, who is the Medical Officer in charge, desires to acknowledge the sympathetic assistance which has been given to the patients in this institution by the Victorian Branch of the Australian Red Cross Society.

TABLE XII.—Showing the Total Receipts and Expenditure of the Lunacy Department during the Year ended 30th June, 1921.

Receipts.			Expenditure.		
	£	s. d.		£	s. d.
Collections by the Master-in-Lunacy for Maintenance of Patients at—			General Expenditure, Salaries at Head Office, Fees to Official Visitors, Travelling Expenses, Postage and Telegrams, &c. ...	6,397	14 4
Yarra Bend ...	33,245	11 11	Maintenance at—		
Kew and Kew Idiot Asylum			Yarra Bend ...	48,907	18 8
Ararat ...			Kew and Kew Idiot Asylum ...	78,942	14 5
Beechworth ...			Ararat ...	45,164	13 11
Sunbury ...			Beechworth ...	40,890	7 8
Ballarat and Receiving House ...			Sunbury ...	61,756	6 8
Royal Park and Receiving House ...			Ballarat and Receiving House ...	48,301	16 2
Mont Park ...			Royal Park and Receiving House ...	25,364	0 5
Receiving Ward, Bendigo ...			Mont Park ...	31,588	1 5
Sales ...					Receiving Ward, Bendigo ...	308	0 0
Fines ...	4,865	4 2	Expenses in connexion with the Committal and Transport of Lunatics ...	1,144	8 7
Collections ...	15	15 0	Expenses in connexion with Boarded-out Patients ...	2,450	4 3
	347	9 3			
Total ...	£38,474	0 4	Total ...	£391,216	6 6

TABLE XIII.—Showing the Total Cost of Maintenance against each Hospital, Sums expended against each Vote, and the Amount of the General Expenses for the Year ended 30th June, 1921.†

Hospital for the Insane.	Daily Average Number Resident.	Total Cost of Maintenance.		Salaries.		Fees to Official Visitors.		Allowances to Chaplains.		Provisions and Extra Articles.	
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Yarra Bend ...	702	48,907	18 8	23,190	15 0	...	86	0 0	17,145	4 11	
Kew and Kew Idiot Asylum	1,207	78,942	14 5	37,713	1 4	...	104	15 0	24,592	4 6	
Ararat ...	623	45,164	13 11	21,206	3 2	...	138	5 0	16,280	9 6	
Beechworth ...	618	40,890	7 8	19,337	10 5	...	77	0 0	15,433	9 9	
Sunbury ...	963	61,756	6 8	27,636	3 11	...	79	15 0	22,516	11 7	
Ballarat and Receiving House	633	48,301	16 2	21,061	13 3	...	92	0 0	17,093	17 1	
Royal Park and Receiving House	165	25,364	0 5	15,669	12 5	...	34	0 0	5,948	2 7	
Mont Park ...	428	31,588	1 5	15,450	6 4	...	60	0 0	10,292	8 1	
General expenses	...	6,397	14 4	4,679	4 11	474 17 10	...	...	...	...
Total ...	5,339	387,313	13 8	185,944	10 9	474 17 10	671	15 0	129,302	8 0	

Hospital for the Insane.	Clothing, Bedding, and Material for Manufacture.		Stores—Purchase of Stock, Books, Amusements, &c.		Fuel, Light, and Water.		Medicines, Medical Comforts, Surgical Instruments, &c.		Stimulants—Wine, Spirits, and Beer.		Forage.		Incidentals, Postage & Telegrams, Travelling Expenses.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Yarra Bend ...	4,587	0 8	1,068	7 9	2,089	11 4	453	14 9	131	13 3	15	15 0	139	16 0
Kew and Kew Idiot Asylum	8,410	15 0	1,829	12 9	5,147	18 11	560	4 0	192	7 1	120	6 5	271	9 5
Ararat ...	3,732	14 7	757	9 8	2,686	8 2	198	13 4	30	10 0	44	2 0	89	18 6
Beechworth ...	3,705	13 3	739	10 7	1,250	10 6	157	8 9	78	1 10	11	3 4	99	19 3
Sunbury ...	5,488	16 9	971	8 10	4,368	17 10	299	19 4	67	2 6	113	19 9	213	11 2
Ballarat and Receiving House	3,776	11 3	1,045	17 0	4,563	19 1	337	15 11	103	6 1	24	7 6	202	9 0
Royal Park and Receiving House	1,298	0 11	535	17 10	1,239	6 2	354	8 0	25	13 0	53	9 0	205	10 6
Mont Park ...	2,952	4 10	1,042	4 2	1,138	3 5	133	18 1	80	13 10	15	0 0	423	2 8
General expenses	...	...	84	17 9	...	...	...	...	...	...	...	...	1,158	13 10
Total ...	33,951	17 3	8,075	6 4	22,484	15 5	2,496	2 2	709	7 7	398	3 0	2,804	10 4

TABLE XIV.—Showing the Average Weekly Cost of Maintenance of Patients during the Year ended 30th June, 1921.

Hospital for the Insane.	Daily Average Number Resident.	Total Cost of Maintenance.			Collections for Maintenance, Sales, Fines, Fees, &c.			Salaries.			Allowance to Chaplains.			Provisions and Extra Articles.		
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Yarra Bend ...	702	48,907	18	8	...	...	0	12	8½	0	0	0½	0	9	4¾
Kew and Kew I. A. ...	1,207	78,942	14	5	...	...	0	12	0	0	0	0¼	0	7	10
Ararat ...	623	45,164	13	11	...	...	0	13	1	0	0	1	0	10	0½
Beechworth ...	618	40,890	7	8	...	...	0	12	0¼	0	0	0¾	0	9	7¼
Sunbury ...	963	61,756	6	8	...	...	0	11	0½	0	0	0¼	0	9	0
Ballarat and Receiving House ...	633	48,301	16	2	...	...	0	12	9½	0	0	0¾	0	10	4¼
Royal Park and Receiving House ...	165	25,364	0	5	...	...	1	16	6¼	0	0	1	0	13	10¼
Mont Park ...	428	31,588	1	5	...	...	0	13	10½	0	0	0¾	0	9	3
Total ...	5,339	380,915	19	4	38,474	0	4	...	...	...	...	...	...	...	...
General expenses ...	...	6,397	14	4	...	...	...	...	...	...	...	...	...	...	...

—	Clothing, Bedding, and Material for Manufacture.			Stores—Purchase of Stock, Books, Amusements, &c.			Fuel, Light, and Water.			Medicines and Medical Comforts, Surgical Instruments, &c.			Stimulants—Wines, Spirits and Beer.			Forage.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Yarra Bend ...	0	2	6	0	0	7	0	1	1¾	0	0	3	0	0	1	...	...	...
Kew and Kew I. A. ...	0	2	8	0	0	8	0	1	7½	0	0	2	0	0	0¾	0	0	0¼
Ararat ...	0	2	3¼	0	0	5½	0	1	8	0	0	1½	0	0	0¼	0	0	0¼
Beechworth ...	0	2	3¾	0	0	5½	0	0	9¼	0	0	1	0	0	0¾	...	...	...
Sunbury ...	0	2	2¼	0	0	4¾	0	1	9	0	0	1¼	0	0	0¼	0	0	0¾
Ballarat and Receiving House ...	0	2	3½	0	0	7¼	0	2	9¼	0	0	2¼	0	0	1	...	...	...
Royal Park and Receiving House ...	0	3	0¼	0	1	3	0	2	10¾	0	0	10	0	0	0¾	0	0	1¼
Mont Park ...	0	2	8	0	0	11¼	0	1	0¼	0	0	1¼	0	0	1	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General expenses ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

—	Incidentals, Postage and Telegrams and Travelling Expenses.			Total Weekly Cost of Maintenance per Patient.			Average Collections per Patient per Week for Maintenance, Sales, Fines, Fees, &c.			Weekly Cost per Patient, Deducting Collections for Maintenance, Sales, Fines, Fees, &c.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Yarra Bend ...	0	0	1	1	6	9½	...	...	...	...	...	...
Kew and Kew I. A. ...	0	0	1	1	5	1¾	...	...	...	...	...	...
Ararat ...	0	0	0¾	1	7	10½	...	...	...	...	...	...
Beechworth ...	0	0	0¾	1	5	5¼	...	...	...	...	...	...
Sunbury ...	0	0	1	1	4	8	...	...	...	...	...	...
Ballarat and Receiving House ...	0	0	1¼	1	9	4	...	...	...	...	...	...
Royal Park and Receiving House ...	0	0	5¾	2	19	1¼	...	...	...	...	...	...
Mont Park ...	0	0	4½	1	8	4½	...	...	...	...	...	...
Total ...	...	...	...	1	7	5¼	0	2	9¼	1	4	8
General expenses ...	...	...	...	0	0	5½	...	...	...	0	0	5½

TABLE XV.—Return showing the Quantity and Value of Produce supplied by the Farms and Gardens at the various Hospitals for the Insane during the Year ended the 31st December, 1920.

Hospital for Insane.	Eggs.	Meat, Poultry, &c.	Milk.	Green Food.	Hay.	Vegetables.	Fruit.
	doz.	lbs.	qts.	tons	tons.	lbs.	lbs.
Yarra Bend ...	698	4,303	87,151	110	100	166,164	...
Kew ...	1,885	516	170,025	250	94	671,941	7,870
Ararat ...	50	809	74,477	20	70	164,400	3,084
Beechworth ...	313	1,061	51,600	90	170	180,426	66,548
Sunbury ...	341	...	90,220	250	300	283,979	22,375
Ballarat ...	355	1,327	71,190	120	140	222,911	5,540
Royal Park ...	867	225	40,720	20	28	65,445	8,197
Mont Park ...	...	32,900	63,166	170	123	98,092	4,129
Total Value ...	£ s. d. 332 4 2	£ s. d. 1,267 6 6	£ s. d. 12,429 1 9	£ s. d. 1,152 10 0	£ s. d. 5,237 0 0	£ s. d. 8,993 12 5	£ s. d. 776 18 10

—	Firewood.	Maize.	Mangels.	Potatoes.	Lucerne.	Peas.	Root Crops.	Straw.	Ensilage.
	tons.	tons.	tons.	lbs.	tons.	cwt.	tons.	tons.	tons.
Yarra Bend ...	25	...	...	...	...	...	...	...	...
Kew ...	250	...	...	...	...	...	...	...	...
Ararat ...	115	35	25	...	...	...	...	...	...
Beechworth ...	30	...	...	17,000	...	9	2	...	...
Sunbury ...	...	...	...	...	...	54	...	...	...
Ballarat ...	...	...	...	...	...	...	180	20	100
Royal Park ...	...	30	...	...	...	...	5	...	...
Mont Park ...	80	...	...	...	70	32	60	10	...
Total Value ...	£ s. d. 375 7 11	£ s. d. 130 0 0	£ s. d. 62 10 0	£ s. d. 51 0 0	£ s. d. 140 0 0	£ s. d. 64 19 9	£ s. d. 343 0 0	£ s. d. 80 0 0	£ s. d. 100 0 0
Total value, £31,535 11s. 4d.									

COST OF MAINTENANCE.

The usual Tables showing the expenditure for this Department for the year ended 30th June, 1921, are given. Table No. XII. shows the receipts and expenditure of the Department; Table No. XIII., the total cost of maintenance of each Hospital, and Table XV., the average weekly cost of maintenance of patients. The year's expenditure shows a large increase over that of previous years—£81,685 more than for the year 1920.

The principal items to make up this large increase were—salaries, provisions, clothing, stores, and fuel and light. As regard salaries, the Government decided at the beginning of the financial year that all salaries should be increased. The contract prices for provisions were very much higher than ever before, and the same remark applies to clothing, stores and fuel. The average weekly cost per patient was £1 7s. 5½d., and deducting from this amount the collections for sales of produce, etc., together with amount collected for the maintenance of patients, the weekly cost was £1 4s. 8d. as against 19s. 4¼d. for the previous year.

The collections by the Master in Lunacy amounted to £33,245 11s. 11d., as against £27,783 11s. for the previous year—a gratifying increase. The farms and gardens show better results than last year, and this has assisted to keep down expenditure. The lower prices for material for clothing and stores will cause a reduction in the expenditure of the Department for the next year.

H. SEATON LYNCH,
Chief Clerk and Accountant.

RECEIVING HOUSES AND WARDS.

TABLE showing the Admissions, Re-admissions, Discharges, and Deaths, during the Year ended 31st December, 1920.

	Male.	Female.	Total.	Male.	Female.	Total.
In the Institutions, 1st January, 1920	...	...	...	42	42	84
Cases admitted—						
First admissions	462	383	845	...	...	...
Not first admissions	36	53	89	...	...	...
Escaped patients retaken	2	...	2	...	...	...
Total cases admitted during the year	...	...	...	500	436	936
Total cases under care during the year	...	...	...	542	478	1,020
Cases discharged—						
Recovered	151	92	243	...	...	...
Relieved	4	14	18	...	...	...
Not improved	2	1	3	...	...	...
Transferred from the Institutions	327	296	623	...	...	...
Escaped	6	...	6	...	...	...
Died	18	16	34	...	...	...
Total cases discharged and died during the year	...	...	...	508	419	927
Remaining in the Institutions, 31st December, 1920	...	...	...	34	59	93
Average number resident during the year	...	...	...	34	42	76
Persons under care during the year	...	...	...	530	467	997
Persons admitted	...	...	...	189	426	915
Persons recovered	...	...	...	147	92	239

VOLUNTARY BOARDERS.

RETURN showing the number of Cases admitted, discharged, and remaining at the end of the year as Voluntary Boarders in the institutions under the control of the Lunacy Department during the year ended 31st December, 1920.

	Male.	Female.	Total.	Male.	Female.	Total.
Remaining in the Institutions on 1st January, 1920—						
In Hospitals for Insane and Receiving Houses	13	13	26	...	...	...
In Licensed Houses	2	15	17	...	...	...
Admissions—						
Hospitals for Insane and Receiving Houses	73	49	122	...	...	...
Licensed Houses	21	50	71	...	...	...
Total cases under care during the year	...	...	...	109	127	236
Discharged—						
Recovered—						
Hospitals for Insane and Receiving Houses	63	41	104	...	...	...
Licensed Houses	13	37	50	...	...	...
Certified as Insane or Apparently Insane—						
Hospitals for Insane and Receiving Houses	9	11	20	...	...	...
Licensed Houses	3	5	8	...	...	...
Died—						
Hospitals for Insane and Receiving Houses	...	1	1	...	...	...
Licensed Houses	...	2	2	...	...	...
Total discharged	...	...	...	88	97	185
Remaining in Institutions on 31st December, 1920—						
In Hospitals for Insane and Receiving Houses	14	9	23	...	...	...
In Licensed Houses	7	21	28	...	...	...
Total remaining	...	...	...	21	30	51

LICENSED HOUSES.

Table showing Admissions, Discharges, and Deaths during 1920, and the numbers remaining on 31st December, 1920.

	Resident in Licensed Houses, 1st January, 1920.		Total cases under care during the year 1920		Discharged Recovered.		Discharged Relieved.		Discharged not Improved.		Died.		Escaped.		Transferred to Hospitals for the Insane		Transferred to Licensed Houses from other Licensed Houses		Escapes retaken		Total cases under care during the year 1920	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
St. Helen's ..	14	8	22	14	4	3	7	1	2	1	1	2	5	1	1	1	1	1	1	1	1	1
Mt. Ida ..	2	9	11	14	1	4	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Merton ..	..	14	14	18	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glen Holme ..	..	18	18	8	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Tofts ..	..	8	8	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
On Trial Leave from Licensed Houses.																						
St. Helen's ..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt. Ida ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Merton ..	..	5	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glen Holme ..	..	8	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Tofts ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total number on Books of Licensed Houses, 1st January, 1920																						
Received—	M.	F.	T.																			
First Admissions	12	34	46																			
Not First Admissions	1	2	3																			
Escapes Retaken	..	..	..																
Transferred from Hospitals for the Insane	3	6	9																			
Transferred to Licensed Houses from other Houses	1	..	1																			
Licensed Houses	1	..	1																			
Total	17	42	59																			
St. Helen's ..	10	10	20																			
Mt. Ida ..	3	13	16																			
Merton ..	..	4	4																			
Glen Holme ..	..	8	8																			
The Tofts ..	..	1	1																			
Transferred from Hospitals for Insane																						
Transferred to Licensed Houses from other Licensed Houses	..	..	..																
Escapes retaken	..	..	..																
Total	17	42	59																			
Total cases under care during the year 1920																						
	33	117	150																			
Total																						
Total Discharged, Died, Escaped, Transferred to Hospitals for Insane, and Transferred from Licensed Houses to other Licensed Houses																						
St. Helen's ..	12	10	22																			
Mt. Ida ..	4	11	15																			
Merton ..	..	16	16																			
Glen Holme ..	..	20	20																			
The Tofts ..	..	9	9																			
Total	16	66	82																			
Total Remaining on the Books on 31st December, 1920.																						
St. Helen's ..	12	10	22																			
Mt. Ida ..	4	11	15																			
Merton ..	..	16	16																			
Glen Holme ..	..	20	20																			
The Tofts ..	..	9	9																			
Total	16	66	82																			
On Trial Leave from Licensed Houses.																						
St. Helen's ..	1	3	4																			
Mt. Ida ..	..	2	2																			
Merton ..	..	6	6																			
Glen Holme ..	..	1	1																			
The Tofts ..	..	1	1																			
Total	1	12	13																			
Total number of patients on the Books on 31st December, 1920																						
St. Helen's ..	10	10	20																			
Mt. Ida ..	3	13	16																			
Merton ..	..	4	4																			
Glen Holme ..	..	8	8																			
The Tofts ..	..	1	1																			
Transferred from Hospitals for Insane																						
Transferred to Licensed Houses from other Licensed Houses																			
Escapes retaken																			
Total	17	42	59																			
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	33	117	150																			
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Merton	16	16																			
Glen Holme	20	20																			
The Tofts	9	9																			
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Mt. Ida ..	3	13	16																			
Merton	4	4																			
Glen Holme	8	8																			

PATHOLOGICAL LABORATORY, ROYAL PARK

1ST JANUARY, 1921.

SIR,

I beg to submit a report on the pathological work for the year 1920. During this year I made 278 *post-mortem* examinations at the following institutions:—

Kew	...	...	...	...	131
Yarra Bend	...	...	...	...	101
Royal Park	...	...	...	...	30
Mont Park	...	...	...	...	8
Licensed Houses	...	...	...	...	8
					—
Total	...	...	...	...	278
					—

During this year it has been harder to obtain certain essential material for the laboratories than during the war. Xylol and non-absorbent wool have been unprocureable. The gas supply, consequent upon the various strikes which upset the coal supply, has been inadequate to keep our incubators and paraffin baths in working order, so that it has been necessary to try and carry on as well as we can with kerosene. This has retarded our work considerably. Fortunately, the electric current has not been affected, so that the Wassermann test at Royal Park has not been interfered with to the same extent. Specimens have been received from the Ballarat, Sunbury, Beechworth, and Metropolitan Hospitals for Insane for bacteriological examination, and the Wassermann test is made every Thursday on samples of blood from suspected cases of syphilis. An interesting example of the value of vaccinating against possible typhoid outbreaks in institutions occurred during this year. At the Idiot Cottages, Kew, a recently received patient developed typhoid before she was vaccinated. All the other patients had been vaccinated against typhoid, and escaped infection. Before routine vaccination was introduced into this institution any patient developing typhoid invariably infected a number of others. I would strongly recommend that all the Hospitals for the Insane in the country districts where the patients are long resident, owing to the chronicity of their mental disease, should adopt prophylactic vaccination against typhoid. Provided that reasonable notice is given of the quantity required, the Lunacy Department Laboratory can supply all the vaccine without any expense other than the price of the bottles and postage. It is less expensive to give three hypodermic injections of vaccine than to nurse a patient for six weeks through an attack of typhoid. So far, Beechworth is the only Hospital for Insane where this procedure has been carried out, and the result has more than compensated for the trouble.

Evidence in favour of dementia precox, epilepsy, and a large percentage of congenital mental deficiency being due to syphilis becomes more and more assured as *post-mortem* investigation extends. The pathological changes in certain organs in these three conditions are the same as those found in syphilitic infants. Unfortunately, the veil of deceit on the part of the parents of these cases, and the failure of the Wassermann test to detect syphilis after a certain number of years in congenital syphilis, prevents us from submitting a complete case to those who have not been present at the *post-mortem* demonstrations. In regard to epilepsy, the gliosis of the brain is not the only change which is responsible for the fits, because sclerosis of the cornu ammonis and other parts of the brain can be demonstrated in only a minority of the cases of epilepsy. The cerebral sclerosis is apparently only part and parcel of a general reaction to some other factor which causes changes in the other organs similar to those found in congenital syphilitic children. A report on the "Physical Basis of Insanity" was forwarded to the Medical Congress in Brisbane, and will appear in due course in the Transactions of the Brisbane Congress, together with whatever criticism it has evoked.

From a business point of view, the pathological department pays its way. If made by an outside medical man the 278 *post-mortem* examinations, and attendances at inquests, would have cost £875 14s., exclusive of mileage allowance, and the cost of vaccine would have been £375.

Judging by the calls upon the Laboratory, the medical officers are making the examination and treatment of the patients more scientific as time goes on, and,

although I am certain that the present time is, from a financial point of view, one for exercising every economy, I hope that there will be no curtailment in the gradual extension of scientific investigation to every hospital for insane, and not have the scientific part of the care of these patients limited to the metropolitan hospitals, which at present are the only ones that have laboratories.

I have the honour to be, Sir,

Yours faithfully,

W. A. T. LIND,
Pathologist and Neurologist.

The Inspector-General,
Victorian Lunacy Department.

LEGISLATION.

In various Annual Reports the question of the amendment of the existing Lunacy Act has been raised, and can be considered from two stand-points.

The minor defects of the Act are dealt with in the following suggestions :—

- (1) The use of the term "Mental Hospital" in lieu of "Hospital for the Insane," and the use of the term "a person of unsound mind" or "mental defective" in lieu of "lunatic."
- (2) Alteration of Section 66 : An amendment is necessary whereby cases sent from the Neglected Children's Department should not be included under this section.
Power should be given to permit cases committed under Section 66 to be absent on trial leave.
- (3) Alteration of Section 88 : So far as the Hospitals for the Insane are concerned, a great deal of unnecessary labour and time is spent in sending in these annual and periodical certifications. There is no practical reason why the certificates given by the Medical Superintendent should not stop after the second year of detention.
It would also be of advantage to have power given whereby these examinations in the case of patients in private licensed houses, at present made by the Government Medical Officer, could be undertaken by some other officer who may be an officer in the Lunacy Department.
- (4) Voluntary Boarders : Immunity should be given in the case of death from a *post-mortem* examination—whether in Hospitals or in Licensed Homes.
- (5) Alterations in the conditions of the appointment of Pathologist : The existing section 87 does not fulfil the requirements at the present time. The Pathologist's position should be a permanent one, and medical officers should be appointed to do the routine *post-mortem* work, thereby permitting the Pathologist to spend a greater proportion of his time in research and higher pathological work, such as was the original intention.
- (6) Alteration of Section 57, to prevent the undue and illegal detention of certifiable mental cases in unauthorized houses, nursing, and convalescent homes.

The wider question is involved in the problem of the segregation of the feeble-minded, that section of the nation from whom a very considerable proportion of the criminal and recidivist, the prostitute, the inebriate, the inefficient and ne'er-do-well are derived. The evidence adduced by several Royal Commissions on this question—more particularly the British Royal Commission on the Feeble-minded—has inspired in various countries the production of more modern and broad-minded legislation in this direction. In some countries the Mental Deficiency Acts have been produced entirely independently of the Lunacy Acts of the same country. In other cases the Lunacy Act has become absorbed in a wider Act dealing with mental defectives. In Great Britain the Lunacy Act and the Act dealing with mental defectives are separate, but they are jointly administered by the Board of Control, and this procedure is probably the more sensible one.

It would be necessary to establish, in the first place, a Board or Commission, which would deal with the question of all the patients at present in the hospitals for the insane, the receiving-houses, the licensed houses, and boarded-out patients, patients in inebriate retreats or attending special schools in connexion with the Education Department, epileptics and reformatory cases. These would all be grouped under the broad and comprehensive term of "mental defectives."

IN GENERAL.

The difficulties of administration have been as great this year as in former years when the war was in operation. This has been particularly noticeable in the direction of obtaining proper clothing for the patients, especially such material as it is necessary to import from Europe. The consequence has been that the clothing of the patients has not presented a reasonable degree of tidiness and comfort, and this invariably leads to increased destruction of garments. Even such material as it has been possible to purchase from time to time has been extremely expensive, and has but indifferently substituted the stock materials used in the past.

The appearance of the wards, too, is becoming the subject of adverse comment. Furniture and fittings, such as carpets, &c., have become extremely expensive—indeed, one may say unprocurable—and it has been impossible to obtain sufficient money to keep up the internal decorations of the wards, which are lacking in objects of interest as well as comfortable furniture. There is a woeful scarcity of such things as pianos, gramophones, billiard and bagatelle tables. Such things are not luxuries; they are amongst the necessities for the treatment of the permanently disordered.

The exterior of almost all of the hospital buildings is in need of repair—paint and plaster are required in every direction.

The principal desideratum is to obtain sufficient money to thoroughly equip the new hospital at Mont Park in order that the old and effete institution at Yarra Bend may be relinquished. A beginning has been made at Mont Park in the shape of the erection of a nurses' home, the extension of the laundry and airing courtshelters, railings, &c. Quarters will be required for single men, and I would strongly urge the desirability of providing cottages on the estate for the accommodation of married attendants.

A cinema and concert room has been purchased from the Y.M.C.A., which will suit admirably for this class of entertainment, but we shall still require a substantial building in which certain other recreations can be indulged in as well as one in which divine service can be held.

Under the headings of each of the State hospitals, I have reported the various public works which are necessary for each particular institution. The lists total a formidable amount, but it must be borne in mind that for some years now nothing whatever has been done to provide accommodation for our increasing numbers and to keep the institutions themselves in a state of fair wear and tear.

The conduct of the staff in the Department has been uniformly good throughout the season under review, and the Inspector-General has only had to investigate three minor charges against officers of the Department. Considerable attention was given to the question of re-classification, and with very few exceptions the staff of the Department have received reasonable increases to pay on account of the high cost of living, and something has been done to lessen the number of hours which the attendant staff are on duty each day.

W. ERNEST JONES,
Inspector-General of the Insane.