

# EDUCATION AND SCIENCE

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**P**UBLICLY FUNDED EDUCATION was introduced into eastern Australia partly as a form of preventive poor relief. In 1823 the Colonial Office was advised that public education in Australia should aim for 'the effectual separation' of children from the corrupting influence of parents 'in the lower classes', particularly those of convict origin. Unfortunately the efficiency of the system was bedevilled by the denominational rivalry of publicly funded church schools. The history of popular education in the mid-nineteenth century is dominated by the struggle of utilitarian reformers to wrest control from the clergy. These reformers believed that ignorance and immorality could be checked through methodical advances in popular rationality, civil obedience, domestic discipline and productive labour, virtues in which children, especially those of the lower social orders, could be effectively schooled under state regulation.

In all the colonies, public education was decisively affected at various times by legislation making it 'secular' by withdrawing state aid from church schools, by providing free basic instruction in state schools, by making school attendance compulsory, and by centralising control of public schools in a state department under ministerial control. Under the impact of this legislation, popular education in late nineteenth-century Australia was divided among the tightly regulated state school systems, the volatile market in small private schools, and the enterprise of the large Roman Catholic minority.

Mass elementary schooling meant the creation of a large occupational group, the public teaching services, which offered a poorly paid but respectable occupation for men, and new opportunities for women, most of whom took subordinate posts. Women sometimes occupied senior positions in private schools, but salaries and working conditions in these schools were often inferior to those in state schools.

By 1900, the main policy development in public education, initially in New South Wales and Victoria, was in technical education, expressing the growing official belief that popular education should serve the interests of national efficiency. Various kinds of post-primary vocational schooling developed, and state high schools began to provide opportunities on a selective entry for a small minority. By the 1920s, governments claimed to have provided an educational ladder from primary school to university (with branches leading to technical qualifications, school certificates, and other credentials) which pupils climbed by passing through an elaborate system

of public examinations. This was intended to ensure the principle of equal access to educational opportunity.

The mid-1950s saw the development of the Commonwealth Office of Education and a commitment to mass secondary schooling. University enrolments and the creation of new universities, reflected the impact of economic growth, selective opportunity and a rising meritocracy. Reform policies of the 1970s reflected concern for school retention rates of pupils over fifteen years of age. By the 1980s, government involvement in institutionalised learning, established over a century earlier for the instruction of the children of the lower social orders, had developed into a vast network of kindergartens, schools, universities and colleges.



Australia has a long tradition of public support for science, beginning in the early colonial period with the establishment of observatories, meteorological stations, botanical and zoological gardens and museums. Scientific work was also encouraged by the colonial adoption of the British patent system, which offered protection to researchers, inventors and innovators. Prior to federation each colony had its own laws, but the Patents Act of 1903 established a standard system, with powers vested in the commonwealth government. Private enterprise, though often with government patronage, played a role in encouraging the discussion and dissemination of scientific ideas through the various Royal Societies, though the definition of what was considered science has changed considerably over time.

During the twentieth century the commonwealth government has played an increasingly important role in the funding of scientific research. In recent years Australian governments and Australian industry have been criticised for their lack of interest in and funding of scientific and technological development. In his book *Sleepers, wake!* (1982), Barry Jones, a minister in the Hawke Labor government, pointed out that Australia spent less per capita on research and development than most other modern industrial societies.





**ES 1-6 SCHOOLS AND ENROLMENTS,  
NEW SOUTH WALES 1851-1866**

Year 31 Dec	PUBLIC SCHOOLS, NATIONAL SYSTEM		PUBLIC SCHOOLS, DENOMINA- TIONAL SYSTEM		PRIVATE SCHOOLS <sup>a</sup>	
	Schools	Enrol- ments	Schools <sup>b</sup>	Enrol- ments	Schools	Enrol- ments
	1	2	3	4	5	6
1851	35 <sup>c</sup>	2 333 <sup>c</sup>	160	11 198	..	..
1852	34	2 958	163	12 557	..	..
1853	45	3 716	173	14 879	197	6 738
1854	48	4 172	167	14 509	..	..
1855	51	4 572	171	14 489	..	..
1856	55	5 503	202	15 013	..	..
1857	62	5 976	200	15 146	282	7 457
1858	100	7 814	211	16 082	336	8 571
1859	125	8 447	217	13 590	391	9 998
1860	137	9 256	264	15 372	..	..
1861	178	11 400	278	16 572	387	9 087
1862	208	13 392	305	18 584	405	9 454
1863	214	15 725	333	20 575	422	9 555
1864	228	16 255	336	21 841	452	9 684
1865	268	18 126	351	23 746	443	10 331
1866	272	19 258	378	27 709	498	11 292

- (a) Does not include Sydney Grammar School and possibly other major grammar schools.
- (b) Tallies do not always indicate whether total is of schools operating on particular day, for example, 31 Dec (1851-53), or all schools which operated during the year; for example, 22 of the 351 schools operating in 1865 closed during the year.
- (c) Excludes seven schools with 200 pupils transferred to administration within Vic on 30 June 1851.

**ES 7-16 PUBLICLY FUNDED SCHOOLS AND ENROLMENTS,  
NEW SOUTH WALES 1867-1879**

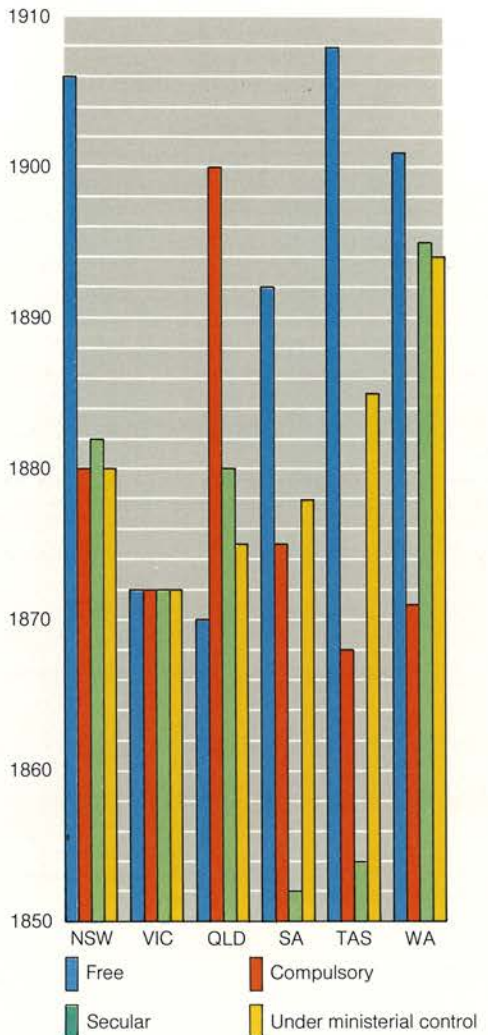
Year 31 Dec	PUBLIC SCHOOLS		PROVISIONAL <sup>a</sup>		HALF-TIME <sup>a</sup>		CERTIFIED DENOMINA- TIONAL		TOTAL SCHOOLS	
	Schools	Enrol- ments	Schools	Enrol- ments	Schools	Enrol- ments	Schools	Enrol- ments	Schools	Enrol- ments
	7	8	9	10	11	12	13	14	15	16
1867	288	28 434	31	733	6	267	317	35 306	642	64 740
1868	318	34 284	103	3 113	38	593	289	35 930	748	73 920
1869	336	37 593	146	4 788	61	1242	264	37 026	807	80 649
1870	359	39 731	164	5 185	82	1445	241	36 460	846	82 821
1871	378	43 494	181	5 633	96	2267	223	35 919	878	87 313
1872	396	46 458	194	6 673	101	1792	211	33 564	902	88 487
1873	400	48 831	216	7 466	117	2209	209	33 512	942	92 018
1874	420	53 702	244	8 002	122	2462	204	36 218	990	100 384
1875	461	58 811	262	8 786	116	2350	191	34 509	1030	104 456
1876	503	64 414	279	9 196	110	2265	181	35 394	1073	111 269
1877	561	71 794	266	8 707	112	2213	178	34 538	1117	117 252
1878	620	81 229	285	9 531	115	2337	167	35 028	1187	128 125
1879	684	88 488	317	10 046	107	2158	160	33 932	1268	134 624

- (a) Provisional schools were placed in communities too small to muster 30 pupils, the minimum, enrolment required for a public school. In other small settlements, resources were divided, through itinerant teachers, into half-time schools.

*‘That’s the trouble with these people who went to state schools. They don’t know how to confuse the public.’ Alexander Buzo, Norm and Ahmed, 1968.*

**ES 17-21 PRIVATE SCHOOLS, ENROLMENTS AND TEACHERS: NEW SOUTH WALES 1867-1879**

Year 31 Dec	Schools	ENROLMENTS		TEACHERS		
		Male	Female	Male	Female	
		17	18	19	20	21
1867	529	5133	6 566	260	534	
1868	496	5036	6 450	249	514	
1869	486	5275	6 453	235	507	
1870	524	5837	6 977	261	552	
1871	561	5919	7 781	238	588	
1872	551	7194	9 092	234	647	
1873	555	7156	8 879	241	663	
1874	545	7267	9 562	246	681	
1875	544	7742	10 685	263	726	
1876	543	7699	10 731	278	738	
1877	..	..	..	..	..	
1878	543	7832	10 911	273	774	
1879	538	7500	11 092	263	793	



**THE INTRODUCTION OF LEGISLATION FOR FREE, COMPULSORY, SECULAR AND STATE-CONTROLLED EDUCATION, BY STATE**

**ES 22-29 SCHOOL ATTENDANCE AND ENROLMENTS, VICTORIA 1849-1861**

Year 31 Dec	PUBLIC SCHOOLS, NATIONAL SYSTEM		PUBLIC SCHOOLS, DENOMINATIONAL SYSTEM		PRIVATE SCHOOLS <sup>a</sup>			
	Schools	Average attendance	Schools	Average attendance	Schools	Enrolments, male	Enrolments, female	Enrolments, total
	22	23	24	25	26	27	28	29
1849	..	..	49	2 596	..	..	..	..
1850	..	..	54	3 870	..	..	..	..
1851	6	..	74	3 016	..	..	..	..
1852	9	361	89	3 874	72	219	253	472
1853	27	908	125	5 788	54	925	838	1763
1854	42	1772	213	9 239	132	1303	1426	2729
1855	58	2509	300	11 856	168	1483	1752	3235
1856	81	3552	368	14 044	..	..	..	..
1857	93	4475	439	17 656	165	1348	2089	3437
1858	140	6281	451	20 173	145	1569	1976	3545
1859	144	7416	452	21 141	167	1346	2558	3904
1860	153	7320	505	22 704	221	1938	3043	4981
1861	181	9713	484	24 224	211	1968	3160	5128

(a) Data for private schools considered 'very deficient' for 1852 (*Vic Blue Book*, 1852) and 'somewhat under' the true number for 1859 (*Stats of Colony*, 1863).

**ES 30-36 COMMON SCHOOLS, ENROLMENTS AND ATTENDANCE, VICTORIA 1862-1871**

Year 31 Dec	TOTAL SCHOOLS			VESTED SCHOOLS		NON-VESTED SCHOOLS	
	Schools	Average attendance	Estimated students	Schools	Average attendance	Schools	Average attendance
	30	31	32	33	34	35	36
1862	673	37 338	..	193	10 162	513	25 708
1863	656	38 279	..	..	..	..	..
1864	647	41 539	..	..	..	..	..
1865	677	46 137	..	..	..	..	..
1866	731	49 404	..	330	17 882	461	31 379
1867	780	53 580	94 507	..	..	..	..
1868	800	58 812	101 925	..	..	..	..
1869	839	60 031	106 096	..	..	..	..
1870	908	61 404	107 537	..	..	..	..
1871	988	67 233	114 300	494	29 622	432	35 866

NOTE The Common Schools system embraced the previous rival national and denominational systems. The national schools were renamed Vested (Public Property) Schools and the denominational schools Non-Vested (Denominational) Schools.

**ES 37-41 STUDENTS AND TEACHERS IN PRIVATE SCHOOLS, VICTORIA 1862-1871**

Year 31 Dec	Schools	STUDENTS		TEACHERS		
		Male	Female	Male	Female	
		37	38	39	40	41
1862	316	3 633	4 757	167	388	
1863	366	4 562	6 063	211	463	
1864	295	3 617	5 043	151	391	
1865	386	4 912	5 845	201	432	
1866	468	6 012	8 128	252	595	
1867	597	7 654	10 801	240	785	
1868	620	7 671	11 910	348	870	
1869	875	12 355	16 597	482	1200	
1870	951	12 874	16 940	514	1277	
1871	1055	14 279	18 710	603	1435	

NOTE Schools noted here are mainly private venture schools, not incorporated colleges and grammar schools.



ES 42-56 SCHOOLS, ENROLMENTS, ATTENDANCE AND TEACHERS, QUEENSLAND 1867-1875

Year 31 Dec	PUBLICLY FUNDED SCHOOLS									PRIVATE SCHOOLS					
	Schools <sup>a</sup>	Enrol- ments <sup>b</sup>	Average attend- ance	Head teachers <sup>c</sup>		Assistant teachers		Pupil teachers		Schools <sup>d</sup>	Average attend- ance	Enrol- ments		Teachers	
	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
				m	f	m	f	m	f			m	f	m	f
1867	69	9 138	4 360	46	13	17	13	14	13	..	..	..	..	..	..
1868	73	..	4 819	51	16	14	15	16	20	..	..	..	..	..	..
1869	89	11 087	5 736	60	28	18	17	15	32	101	2120	1141	1107	31	103
1870	111	16 177	7 723	79	33	30	24	19	43	60	1481	782	948	21	72
1871	136	18 963	9 712	100	46	47	31	32	69	53	1429	775	865	20	60
1872	146	21 482	10 780	120	32	44	46	48	84	62	1819	1040	1083	31	87
1873	163	23 743	11 897	131	31	49	63	49	112	61	1893	968	1275	26	81
1874	203	29 912	15 045	169	46	67	87	62	159	54	1934	887	1333	16	83
1875	230	33 643	16 888	187	51	71	117	69	179	50	2062	985	1474	23	80

NOTE f=female, m=male.

(a) Enumerated as school departments (that is, boys', girls', and infants'); not to be confused with schools in other colonies in which these departments are consolidated.

(b) Total aggregate attendance.

(c) Listed as masters and mistresses in the sources.

(d) Excludes the certificated grammar schools (2 in 1869 with 137 pupils).

ES 57-64 PUBLICLY FUNDED SCHOOLS, TEACHERS AND ENROLMENTS, SOUTH AUSTRALIA 1849-1875

Year 31 Dec	Schools	Enrolments			Average daily attendance		Licensed teachers <sup>a</sup>		
		57	58	59	60	61	62	63	64
		m	f	m & f	m	f	m & f	m	f
1849	27	540	308	848	..	..	..	..	..
1850	64	1188	679	1 867	..	..	..	..	..
1851	115	1933	1098	3 031	..	..	..	..	..
1852	101	1355	1106	2 461	..	..	..	..	..
1853	111	2801	2472	5 473	..	51	50	101	..
1854	125	3008	2456	5 464	..	66	59	125	..
1855	138	3273	2766	6 039	..	77	61	138	..
1856	147	3594	2922	6 516	5 082	87	60	147	..
1857	167	4040	3445	7 480	5 997	102	65	167	..
1858	182	4395	3842	8 237	6 368	113	69	182	..
1859	198	4944	4338	9 282	7 352	126	72	198	..
1860	210	5275	4560	9 843	7 694	131	79	210	..
1861	219	5861	4850	10 711	8 306	143	76	219	..
1862	227	6130	5287	11 417	8 810	155	72	227	..
1863	247	6540	5529	11 769	9 119	164	83	247	..
1864	267	7046	5913	12 959	10 298	174	93	267	..
1865	279	7596	6090	13 686	10 812	180	99	279	..
1866	292	8160	6530	14 690	11 472	193	99	292	..
1867	308	8240	6360	14 600	11 448	205	103	308	..
1868	325	8699	6958	15 657	12 142	223	102	325	..
1869	330	9031	7297	16 328	13 220	225	103	328	..
1870	300	8491	6617	15 108	11 969	222	72	294	..
1871	307	8880	6911	15 791	12 535	223	75	298	..
1872	307	8469	6656	15 123	11 844	226	73	291	..
1873	315	9553	7669	17 222	13 404	217	91	308	..
1874	320	9625	7801	17 426	13 774	217	98	315	..
1875	268	9467	7298	16 765	12 911	198	77	267	..

NOTE f=female, m=male.

(a) Teachers were licensed in order to receive public funding.

ES 65-70 PUBLICLY FUNDED SCHOOLS AND ENROLMENTS, WESTERN AUSTRALIA 1872-1895

Year 31 Dec	GOV'T SCHOOLS			ASSISTED DENOMINATIONAL SCHOOLS		
	Schools	Enrol- ments	Average attend- ance	Schools	Enrol- ments	Average attend- ance
	65	66	67	68	69	70
1872	60	2338	1637	13	1137	763
1873	64	2367	1694	15	1064	829
1874	66	2586	1836	18	1244	936
1875	58	2453	1918	20	1305	1003
1876	58	2475	2004	22	1389	1097
1877	57	2515	2043	21	1346	1053
1878	68	2684	2056	19	1386	1041
1879	72	2719	2127	19	1334	1029
1880	67	2719	2102	19	1327	1006
1881	72	2751	2135	18	1253	974
1882	75	2894	2234	17	1157	939
1883	77	2919	2281	16	1142	912
1884	74	3052	2241	16	1221	926
1885	77	3192	2333	17	1287	1016
1886	73	3169	2322	16	1339	1024
1887	74	3287	2508	16	1386	1092
1888	77	3262	2533	16	1417	1126
1889	78	3310	2517	16	1434	1188
1890	82	3352	2535	19	1662	1283
1891	85	3566	2603	19	1779	1280
1892	96	4032	2902	21	1941	1422
1893	106	4280	3088	21	2058	1537
1894	116	5037	3552	21	2381	1815
1895	133	6451	4685	19	2293	1708

NOTE No data available for private schools in WA.

*'A headmaster who wears rubber soles deserves all he gets.'* J.R. Darling, headmaster of Geelong Grammar School, 1930-61.

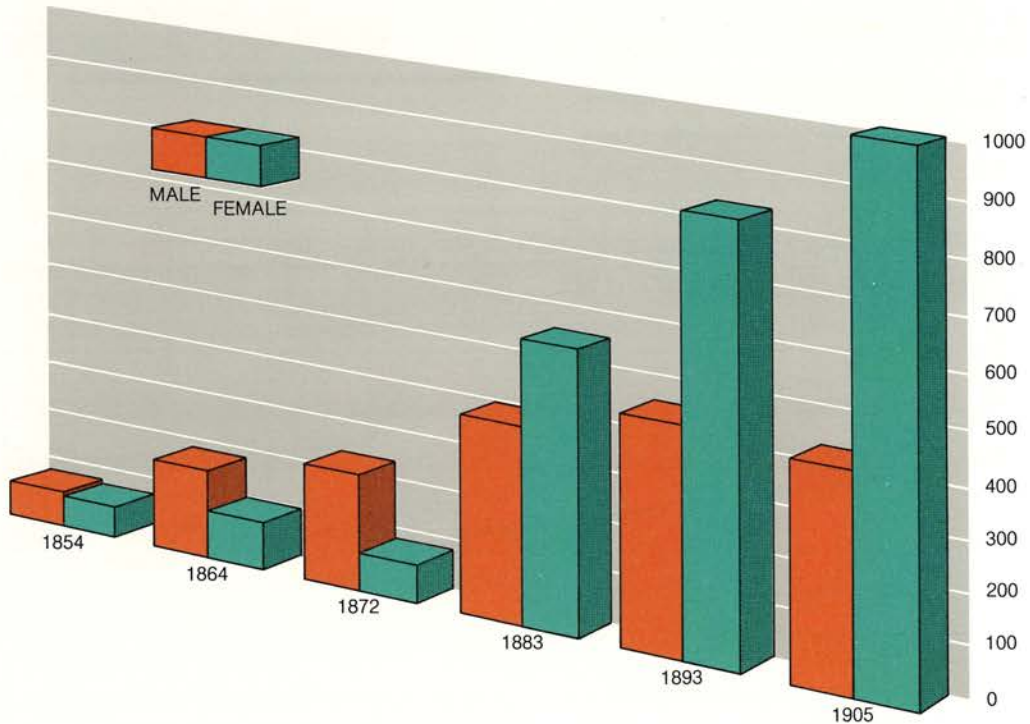
**ES 71-76 STATE AND PRIVATE SCHOOL ENROLMENTS AND ATTENDANCES, NEW SOUTH WALES 1881-1905**

Year 31 Dec	Total distinct students <sup>a</sup>	Schools		Average daily attendance		Total enrol- ments	Average daily attendance
		71	72	73	74		
1881	146 106	1667	82 890	507	18 317	..	..
1882	166 611	1795 <sup>b</sup>	90 944	491	19 746	..	..
1883	155 824	1706	88 546	588	32 107	..	..
1884	167 134	1912	92 215	611	33 607	..	..
1885	173 440	2046	100 462	611	35 967	..	..
1886	179 990	2170	105 538	647	38 766	33 570	..
1887	194 060	2236	106 408	689	40 450	33 844	..
1888	186 692	2271	112 220	679	40 164	32 879	..
1889	191 215	2373	114 569	700	41 625	33 919	..
1890	195 241	2423	116 665	697	42 612	34 378	..
1891	205 673	2457	122 528	704	45 018	35 561	..
1892	210 641	2502	132 580	719	45 747	35 915	..
1893	210 277	2520	128 322	782	45 401	35 023	..
1894	206 265	2508	130 089	863	51 016	40 023	..
1895	216 396	2563	139 978	884	51 651	40 823	..
1896	221 603	2574	142 192	893	53 967	43 069	..
1897	226 157	2577	148 381	948	56 143	44 915	..
1898	227 561	2602	141 723	956	58 179	45 354	..
1899	233 233	2693	149 439	1053	60 159	47 560	..
1900	238 382	2745	153 845	912	60 327	47 816	..
1901	241 790	2818	154 404	889	60 282	48 137	..
1902	243 668	2846	155 916	868	58 939	47 195	..
1903	243 516	2862	154 382	841	58 258	46 982	..
1904	240 631	2870	153 260	852	57 811	46 667	..
1905	238 629	2901	153 953	853	57 854	46 480	..

(a) Estimated by reducing gross enrolments by 12% to allow for students enrolling in more than one school in the year.  
 (b) Includes 137 certified denominated schools from which public funding was about to be withdrawn under legislation of 1880.

**ES 77-82 STATE AND PRIVATE SCHOOL TEACHERS, NEW SOUTH WALES 1881-1905**

Year 31 Dec	STATE SCHOOL TEACHERS			PRIVATE SCHOOL TEACHERS		
	Male	Female	Total	Male	Female	Total
	77	78	79	80	81	82
1881	..	..	2558	276	851	1129
1882	..	..	2926	248	906	1154
1883	..	..	2980	314	1159	1473
1884	..	..	3175	355	1246	1601
1885	..	..	3528	332	1322	1654
1886	..	..	3756	338	1470	1808
1887	..	..	3841	350	1523	1873
1888	..	..	3913	328	1526	1854
1889	..	..	4002	356	1528	1884
1890	2087	2094	4181	490	1903	2393
1891	2223	2204	4427	538	2063	2601
1892	2332	2304	4636	580	2137	2717
1893	2304	2223	4527	560	2218	2778
1894	2204	2159	4453	579	2387	2966
1895	2340	2137	4477	546	2399	2945
1896	2332	2110	4442	584	2503	3087
1897	2340	2205	4626	568	2594	3162
1898	2491	2268	4759	567	2702	3269
1899	2609	2275	4884	607	2800	3407
1900	2752	2311	5063	598	2754	3352
1901	2857	2355	5212	577	2776	3353
1902	2988	2413	5401	555	2784	3339
1903	3068	2472	5540	585	2783	3368
1904	3133	2448	5581	576	2820	3396
1905	3135	2424	5559	599	2883	3482



A COMPARISON OF THE NUMBER OF FEMALE AND MALE TEACHERS IN STATE SCHOOLS, FOR SELECTED YEARS, SOUTH AUSTRALIA



ES 83-87 STATE AND PRIVATE SCHOOL ENROLMENTS AND ATTENDANCE, VICTORIA 1872-1905

Year 31 Dec	STATE SCHOOLS		PRIVATE SCHOOLS		
	Total distinct students	Schools	Average daily attendance	Schools	Total enrolments <sup>a</sup>
	83	84	85	86	87
1872	113 197	1049	68 456	888	24 781
1873	174 236	1107	99 536	653	18 428
1874	184 010	1167	106 886	610	22 448
1875	183 454	1320	101 495	565	27 481
1876	192 658	1498	106 758	645	28 847
1877	194 994	1626	116 015	530	28 422
1878	189 455	1664	116 608	596	37 582
1879	193 588	1713	119 259	585	35 873
1880	195 736	1810	119 520	568	34 824
1881	195 526	1757	121 250	643	28 134 <sup>b</sup>
1882	187 390	1762	118 279	645	34 062
1883	188 949	1777	118 328	655	34 443
1884	188 238	1803	120 701	670	35 773
1885	189 637	1826	119 488	665	35 115
1886	190 223	1870	123 550	665	34 787
1887	192 565	1911	123 553	691	35 811
1888	197 115	1933	128 958	749	37 823
1889	202 822	2062	130 859	753	40 291
1890	213 886	2170	133 768	791	40 181
1891	218 081	2233	141 126	759	37 203
1892	215 020	2140	141 864	745	36 344
1893	206 075	2038	129 678	826	35 742
1894	203 409	1956	132 083	867	38 062
1895	205 486	1913	134 572	938	40 193
1896	209 016	1886	138 241	930	42 044
1897	211 438	1877	140 593	929	42 899
1898	212 164	1877	134 976	945	43 926
1899	214 522	1892	143 844	901	48 854
1900	218 240	1892	147 020	884	48 483
1901	192 650	1967	..	862	42 596
1902	228 241	2041	150 930	872	43 182
1903	224 178	1988	150 263	798	45 650
1904	214 822	1922	145 500	787	45 077
1905	210 200	1930	143 009	771	44 686

(a) Originally gathered from school rolls, usually in February or March.  
 (b) From census return of children at private schools on 4 April 1881.

ES 88-93 STATE AND PRIVATE SCHOOL TEACHERS, VICTORIA 1872-1905

Year 31 Dec	STATE SCHOOL TEACHERS			PRIVATE SCHOOL TEACHERS		
	Male	Female	Total	Male	Female	Total
	88	89	90	91	92	93
1872	..	..	..	..	..	1841
1873	..	..	..	..	..	1446
1874	1767	1948	3715	550	959	1509
1875	1812	2014	3826	524	987	1511
1876	1819	1953	3772	542	1104	1646
1877	1793	2056	3849	432	976	1457
1878	1835	2082	3917	615	1085	1700
1879	1850	2280	4130	554	1033	1587
1880	1863	2352	4215	..	..	..
1881	1874	2429	4303	425	1091	1516
1882	1810	2352	4162	430	1123	1553
1883	1777	2392	4169	416	1222	1638
1884	1776	2423	4199	416	1222	1638
1885	1714	2336	4050	449	1186	1635
1886	1710	2465	4175	429	1216	1645
1887	1750	2544	4294	408	1272	1680
1888	1693	2541	4234	479	1558	2037
1889	1809	2778	4587	437	1441	1878
1890	1845	2863	4708	458	1509	1967
1891	1898	2964	4862	466	1529	1995
1892	1910	3067	4977	466	1529	1995
1893	1663	2643	4306	416	1539	1955
1894	1570	2568	4138	445	1696	2141
1895	1674	2641	4315	..	..	2315
1896	1687	2656	4343	..	..	2357
1897	1732	2738	4470	428	1962	2390
1898	1788	2812	4600	436	2004	2440
1899	1806	2775	4581	415	2002	2417
1900	1832	2855	4687	397	1951	2348
1901	..	..	..	385	2017	2402
1902	1849	2946	4795	404	1975	2379
1903	1872	2893	4765	407	1962	2369
1904	1805	2724	4529	352	1257	1609
1905	1807	2646	4453	421	1868	2289

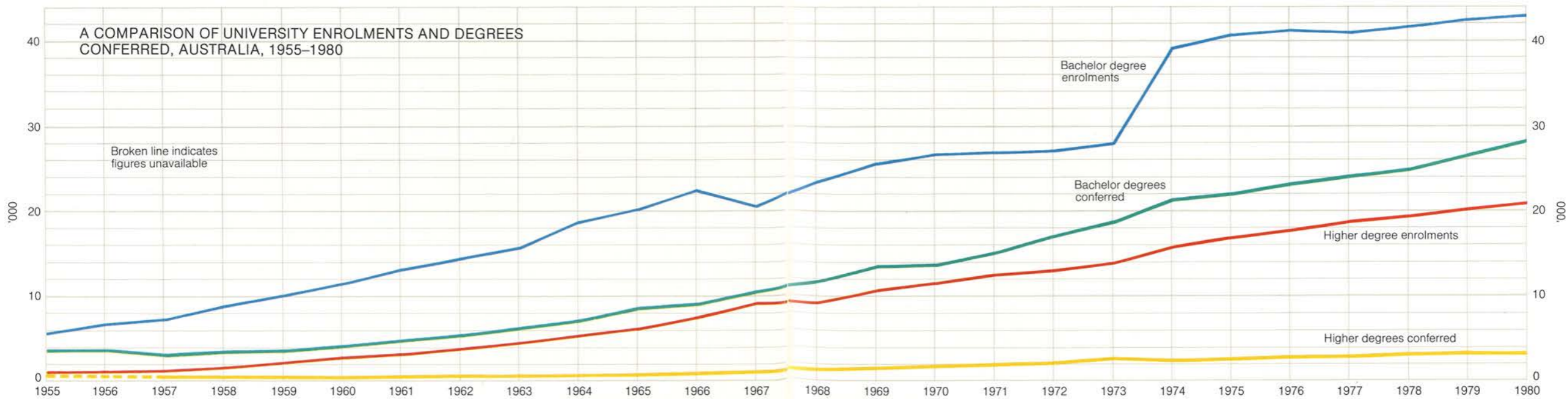
ES 94-100 STATE AND PRIVATE SCHOOL ENROLMENTS AND ATTENDANCES, QUEENSLAND 1876-1905

Year 31 Dec	STATE SCHOOLS				PRIVATE SCHOOLS <sup>a</sup>		
	Total distinct students	Schools <sup>b</sup>	Mean quarterly enrolments	Average daily attendance	Schools	Mean quarterly enrolments	Average daily attendance
	94	95	96	97	98	99	100
1876	..	262	27 223	..	..	..	..
1877	..	286	29 000	..	..	..	..
1878	..	305	30 757	..	..	..	..
1879	..	319	31 711	..	..	..	..
1880	..	345	33 510	23 818	71	..	3 239
1881	..	341	30 963	21 767	90	..	5 873
1882	..	386	31 770	21 610	81	7 164	5 852
1883	..	387	34 727	24 247	87	7 322	5 966
1884	..	425	39 925	27 863	96	7 585	6 107
1885	..	447	42 643	30 117	106	8 494	6 958
1886	..	479	45 761	32 250	108	8 177	6 670
1887	55 099	519	49 418	35 315	116	8 910	7 328
1888	58 738	552	53 269	38 926	126	9 036	7 403
1889	62 347	584	55 860	40 472	130	9 294	7 809
1890	64 563	621	57 640	40 836	128	9 481	8 015
1891	67 931	639	60 962	45 004	138	9 857	8 680
1892	70 495	657	62 663	45 975	135	9 275	7 993
1893	70 445	691	63 464	44 432	148	9 918	8 111
1894	67 726	699	61 227	45 050	168	11 041	9 412
1895	74 542	738	64 690	48 270	183	11 843	10 146
1896	81 754	772	72 496	54 316	175	12 156	10 510
1897	85 229	797	77 757	59 748	178	12 372	10 608
1898	88 691	848	80 067	58 296	171	12 292	10 817
1899	92 120	888	84 000	63 133	166	12 287	11 880
1900	95 310	932	88 103	69 285	163	13 756	11 610
1901	96 891	972	89 510	..	159	14 180	11 988
1902	97 131	1008	89 531	72 809	158	13 853	11 902
1903	97 306	1023	90 025	69 759	171	14 694	12 404
1904	96 229	1049	89 250	68 661	174	14 368	12 267
1905	95 995	1044	88 903	66 780	161	13 861	11 703

(a) Excludes Qld's distinctive, publicly assisted grammar schools which totalled four (297 enrolments) in 1880 and ten (1007) in 1904.  
 (b) Total number of school departments, that is, infants', boys' and girls' departments, within schools.

ES 101-106 STATE AND PRIVATE SCHOOL TEACHERS, QUEENSLAND 1876-1905

Year 31 Dec	STATE SCHOOL TEACHERS			PRIVATE SCHOOL TEACHERS		
	Male	Female	Total	Male	Female	Total
	101	102	103	104	105	106
1876	405	386	791	..	..	..
1877	391	395	776	..	..	..
1878	442	426	868	..	..	..
1879	479	446	927	..	..	..
1880	517	342	989	35	151	186
1881	495	437	932	55	232	287
1882	488	455	935	47	236	283
1883	510	517	1027	50	256	306
1884	562	599	1161	67	284	351
1885	609	681	1284	60	320	380
1886	640	742	1382	57	327	384
1887	675	796	1471	69	330	399
1888	691	789	1480	63	374	437
1889	702	795	1497	72	385	457
1890	726	813	1539	81	376	457
1891	699	805	1504	89	394	483
1892	709	789	1498	71	373	444
1893	719	784	1484	72	377	449
1894	700	770	1470	76	425	501
1895	730	805	1535	89	471	560
1896	798	919	1717	83	566	644
1897	825	1000	1825	85	586	683
1898	879	1025	1904	70	574	666
1899	934	1078	2012	81	543	627
1900	1040	1177	2217	78	530	603
1901	1102	1208	2310	78	510	588
1902	1143	1247	2390	84	481	572
1903	1136	1241	2377	92	458	538
1904	1139	1247	2386	97	452	537
1905	1142	1240	2382	98	470	553





**ES 107-113 STATE AND PRIVATE SCHOOL STUDENTS, SOUTH AUSTRALIA 1876-1905**

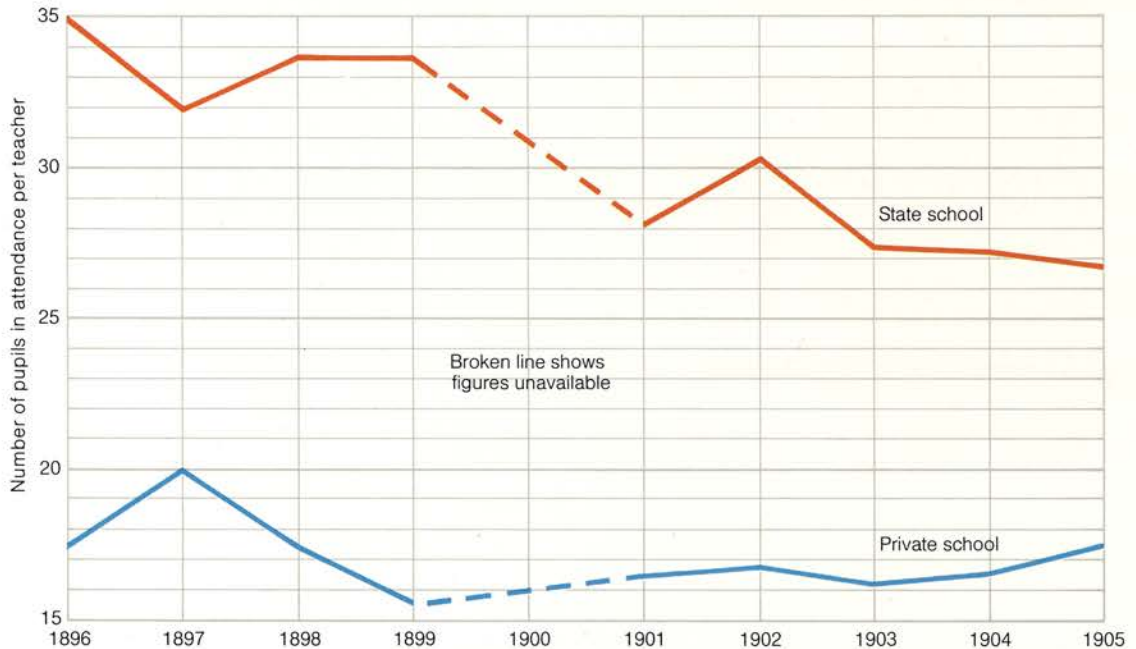
Year 31 Dec	STATE SCHOOLS				PRIVATE SCHOOLS		
	Total distinct students	Public schools	Pro- visional schools <sup>a</sup>	Average daily attendance	Schools	Total enrol- ments	Attendance last day
	107	108	109	110	111	112	113
1876	25 889	247	34	13 622	326	11 170	10 096
1877	27 305	229	72	14 407	289	11 145	9 710
1878	34 491	234 <sup>b</sup>	107	16 755	..	..	..
1879	35 276	206	134	18 523	232	8 662	7 350
1880	36 277	208	162	19 658	..	..	..
1881	36 888	208	197	20 653	363	14 263	12 528
1882	38 792	212	210	21 984	306	13 546	11 306
1883	41 437	220	211	24 683	280	10 857	10 857
1884	42 758	227	225	25 048	287	13 524	11 296
1885	44 106	233	239	27 005	..	..	..
1886	44 405	240	264	28 000	..	..	..
1887	45 073	248	269	28 403	..	..	..
1888	45 236	250	286	28 329	..	..	..
1889	44 576	247	293	28 216	..	..	..
1890	44 804	253	298	27 552	302	13 647	11 216
1891	47 094	259	293	29 801	363	15 255	13 108
1892	53 457	262	317	35 371	285	13 090	11 581
1893	56 302	273	333	34 038 <sup>c</sup>	254	11 647	10 016
1894	57 986	277	332	37 886	..	..	..
1895	59 003	282	352	39 324	..	..	..
1896	59 944	278	361	40 440	..	..	..
1897	61 643	278	377	42 193	232	11 458	9 981
1898	61 763	284	386	39 102 <sup>c</sup>	233	11 572	9 878
1899	62 316	284	393	42 228	238	12 049	10 350
1900	62 439	283	407	43 104	241	11 627	10 120
1901	63 183	284	422	43 789	290	12 322	11 338
1902	62 962	280	436	43 500	227	11 310	10 268
1903	61 977	276	439	42 752	224	10 602	9 393
1904	60 379	275	440	42 234	205	10 269	9 330
1905	59 026	277	445	41 807	230	10 892	10 255

(a) Provisional schools were supplied to small communities with small enrolments.  
 (b) Tally for year, not number of schools operating in December.  
 (c) Attendance reduced by epidemics.

**ES 114-119 STATE AND PRIVATE SCHOOL TEACHERS, SOUTH AUSTRALIA 1876-1905**

Year 31 Dec	STATE SCHOOL TEACHERS			PRIVATE SCHOOL TEACHERS		
	Male	Female	Total <sup>a</sup>	Male	Female	Total
	114	115	116	117	118	119
1876	243	307	550	..	..	..
1877	284	369	653	..	..	..
1878	300	399	699	..	..	..
1879	328	460	788	..	..	..
1880	353	484	837	..	..	..
1881	345	441	786	..	..	..
1882	370	530	900	..	..	..
1883	384	567	951	185	521	706
1884	400	600	1000	194	525	719
1885	398	623	1021	..	..	..
1886	415	666	1081	..	..	..
1887	422	664	1086	..	..	..
1888	405	676	1081	..	..	..
1889	409	667	1076	..	..	..
1890	395	672	1067	178	564	742
1891	406	700	1106	214	667	881
1892	436	786	1222	188	550	738
1893	448	827	1275	186	509	695
1894	426	788	1214	..	..	..
1895	414	782	1196	..	..	..
1896	396	768	1164	..	..	..
1897	404	837	1241	188	482	670
1898	413	840	1253	196	503	699
1899	411	872	1283	206	546	752
1900	419	840	1259	226	515	741
1901	402	929	1331	240	620	860
1902	411	940	1351	194	515	709
1903	403	917	1320	185	493	678
1904	410	922	1332	175	479	654
1905	422	998	1420	202	529	731

(a) Includes temporary appointments, usually between eight and sixteen.



A COMPARISON OF STUDENT-TEACHER RATIOS FOR PRIVATE AND STATE SCHOOLS, WESTERN AUSTRALIA, 1896-1905



**ES 120-126 STATE AND PRIVATE SCHOOLS,  
ENROLMENTS AND ATTENDANCE, WESTERN  
AUSTRALIA 1896-1905**

Year 31 Dec	Distinct students <sup>a</sup>	STATE SCHOOLS			PRIVATE SCHOOLS			
		Schools	Enrol- ments	Average daily attend- ance	Schools	Enrol- ments	Average daily attend- ance	
		120	121	122	123	124	125	126
1896	..	150	9 008	8 976	56	4032	3074	
1897	11 493	167	12 262	10 915	58	4546	3612	
1898	14 495	186	14 424	12 465	87	5651	4479	
1899	15 689	207	16 053	14 465	83	5812	4359	
1900	18 055	223	18 557	14 663	75	5462	4248	
1901	20 277	242	20 548	16 423	77	5810	4645	
1902	22 605	250	22 765	18 448	80	6260	4922	
1903	24 532	270	24 267	20 283	92	6757	5618	
1904	26 272	290	25 979	22 111	93	7214	5824	
1905	27 966	335	27 978	23 703	99	7353	6128	

(a) Quarterly average before 1896

**ES 127-132 STATE AND PRIVATE  
SCHOOL TEACHERS, WESTERN  
AUSTRALIA 1896-1905**

Year 31 Dec	STATE SCHOOL TEACHERS			PRIVATE SCHOOL TEACHERS		
	Male	Female	Total	Male	Female	Total
	127	128	129	130	131	132
1896	101	157	258	33	143	176
1897	137	205	342	34	147	181
1898	161	210	371	38	219	257
1899	173	257	430	35	246	281
1900	..	..	..	..	..	..
1901	233	350	583	39	242	281
1902	247	361	608	41	253	294
1903	271	468	739	37	309	346
1904	300	509	809	38	312	350
1905	327	561	888	38	312	350

**ES 133-136 STATE SCHOOL  
STUDENTS AND ATTENDANCE,  
TASMANIA 1866-1905**

Year 31 Dec	Distinct students	Schools	Average		
			enrol- ments <sup>a</sup>	daily attendance	
		133	134	135	136
1866	12 271	101	5 159	3 930	
1867	12 158	108	5 419	4 112	
1868	10 803	109	5 649	4 272	
1869	9 979	116	5 992	4 511	
1870	10 194	128	6 678	5 041	
1871	9 997	130	6 786	5 187	
1872	9 316	139	6 938	5 224	
1873	8 746	141	7 047	5 268	
1874	8 346	147	7 970	5 867	
1875	8 198	154	8 145	5 703	
1876	12 231	158	8 140	5 867	
1877	12 557	165	8 222	5 973	
1878	12 453	164	8 297	6 032	
1879	12 652	171	8 520	6 203	
1880	12 286	171	8 352	6 002	
1881	13 644	175	9 258	6 701	
1882	13 775	181	9 302	6 711	
1883	14 241	183	9 708	7 040	
1884	14 846	191	10 134	7 296	
1885	15 418	204	10 531	7 465	
1886	16 014	209	11 109	7 866	
1887	16 527	215	11 383	8 182	
1888	17 125	220	12 002	8 730	
1889	17 948	229	12 460	8 973	
1890	18 156	240	12 460	8 898	
1891	19 207	244	13 491	9 680	
1892	20 659	251	14 549	10 654	
1893	20 475	253	14 875	10 175	
1894	19 967	249	14 476	10 594	
1895	19 907	258	14 594	10 642	
1896	20 826	270	15 772	11 508	
1897	21 759	282	16 634	12 022	
1898	22 517	296	17 136	12 015	
1899	23 272	309	17 682	13 105	
1900	24 157	327	18 693	14 007	
1901	24 542	338	19 236	14 259	
1902	24 764	349	19 553	14 541	
1903	24 595	346	18 596	13 863	
1904	24 082	358	..	14 321	
1905	24 043	365	..	14 112	

(a) Average number of students on the roll. This classification, peculiar to Tas, was an average of the monthly, weekly or quarterly enrolments.

**ES 137-140 STATE SCHOOL  
TEACHERS BY GENDER AND  
TYPE, TASMANIA 1885-1905**

Year 31 Dec	Teachers <sup>a</sup>		Junior teachers	
	137	138	139	140
	m	f	m	f
1885	123	173	21	67
1886	135	182	22	100
1887	147	188	20	77
1888	141	203	31	68
1889	156	211	31	53
1890	163	221	32	61
1891	172	204	30	54
1892	176	223	32	59
1893	170	208	39	51
1894	182	208	29	61
1895	181	208	34	63
1896	183	216	32	58
1897	191	239	24	66
1898	192	267	24	64
1899	196	307	24	57
1900	195	341	16	60
1901	209	361	16	74
1902	215	373	17	73
1903	226	366	23	76
1904	224	370	25	68
1905	206	316	19	59

NOTE f=female, m=male

(a) Includes head teachers and assistant teachers.

ES 141-154 STATE AND PRIVATE SCHOOL STUDENTS AND TEACHERS BY STATE 1906-1930

Year & state	STATE SCHOOLS											PRIVATE SCHOOLS		
	Schools	Enrolments <sup>a</sup>	Average daily attendance <sup>a</sup>	Principals			Assistants			Juniors <sup>b</sup>	Sewing mistresses <sup>c</sup>	Schools	Enrolments	Teachers
31 Dec	141	142	143	144	145	146	147	148	149	150	151	152	153	154
				m	f	m & f	m	f	m & f					
<b>1906<sup>d</sup></b>														
NSW	2885	207 741	151 261	2198	508	2706	668	1334	2002	759	852	58 707	96	3557
VIC	1953	203 119	142 216	1426	545	1971	219	818	1037	1544	757	52 193	402	2397
QLD	1055	89 488	69 771	675	429	1054	383	629	1012	335	177	15 119	0	763
SA	708	57 270	40 489	302	394	696	45	290	335	..	215	10 545	110	718
TAS	340	22 622	13 730	170	162	332	16	128	144	70	204	7 979	..	612
WA	367	29 352	24 973	236	117	353	78	239	317	173	108	7 515	69	263
<b>1910<sup>d</sup></b>														
NSW	3105	218 539	157 498	2241	544	2785	1013	1957	2970	36	774	59 247	109	3602
VIC	2036	206 263	145 968	1525	652	2187	267	868	1135	1716	641	54 740	473	2067
QLD	1189	89 695	69 439	713	480	1193	277	586	863	550	159	16 320	0	761
SA	733	52 929	37 549	309	376	685	83	367	450	181	185	11 334	113	683
TAS	290	27 820	17 974	180	189	369	24	159	183	247	140	7 653	..	420
WA	455	32 664	27 442	266	181	447	89	317	406	114	119	9 400	64	407
<b>1914</b>														
NSW	3258	258 562	190 194	2337	1022	3359	1219	2608	3827	111	717	64 577	111	3674
VIC	2263	220 008	163 235	1745	797	2542	353	1349	1702	1638	512	50 480	425	1844
QLD	1346	101 769	83 314	785	544	1359	372	871	1243	842	163	18 755	0	833
SA	839	60 730	46 289	372	434	806	129	582	651	279	166	12 077	139	658
TAS	437	27 913	22 581	185	270	455	36	148	184	299	87	6 153	2	322
WA	584	44 085	38 518	330	256	586	132	528	660	177	123	10 709	66	446
NT	5	164	99	2	4	6	..	2	2	2	01	62	0	2
<b>1918</b>														
NSW	3152	289 655	225 790	2356	1237	3593	1312	3895	5207	90	698	73 560	132	3806
VIC	2318	225 000	167 653	1649	1135	2784	457	1619	2076	1923	499	57 374	421	1996
QLD	1543	111 771	91 341	830	790	1620	441	1223	1664	850	160	22 328	0	887
SA	891	73 502	59 704	387	530	917	115	707	822	488	168	15 161	109	720
TAS	465	30 329	24 650	154	331	485	78	240	318	281	83	7 508	3	323
WA	650	49 145	42 839	335	355	690	116	681	797	241	127	15 000	54	501
NT	4	285	197	2	2	4	0	2	2	0	1	68	0	2
<b>1922</b>														
NSW	3210	304 997	257 509	2205	1226	3431	1824	4384	6208	0	678	80 247	178	4092
VIC	2531	233 924	186 534	1522	1120	2642	651	1866	2517	1890	486	60 105	386	2109
QLD	1632	130 464	102 843	942	703	1645	558	1345	1903	371	177	26 245	0	1096
SA	991	81 079	65 834	414	538	952	264	943	1207	406	170	16 536	126	811
TAS	492	32 353	27 160	190	282	472	60	319	379	310	75	6 715	6	337
WA	749	54 338	48 238	355	385	740	236	739	975	168	120	11 662	74	514
NT	6	271	186	2	4	6	0	2	2	0	1	64	0	3
<b>1926</b>														
NSW	3401	324 203	275 543	2398	1065	3463	2291	5338	7629	0	704	100 798	221	4320
VIC	2687	247 092	196 977	1699	1124	2823	1031	2558	3589	1754	493	65 180	405	2220
QLD	1739	140 023	108 526	1029	678	1707	626	1395	2021	376	187	31 513	0	1185
SA	1003	84 657	71 818	555	566	1121	249	832	1081	820	181	17 921	174	902
TAS	519	32 140	27 880	210	325	535	74	385	459	290	75	6 266	2	341
WA	848	55 501	49 593	428	381	807	265	727	992	155	120	11 766	127	540
NT	6	309	234	3	4	7	1	2	3	1	1	122	0	4
<b>1930</b>														
NSW	3332	357 319	313 728	..	2499	626	9125	6081	8938	0	73	106 319	205	4636
VIC	2758	239 404	213 048	1898	791	2609	1467	3269	4736	2004	502	68 556	344	2400
QLD	1726	137 683	115 267	1092	582	1674	831	1582	2413	159	201	32 244	0	1264
SA	1058	89 828	78 496	706	407	1113	702	1327	2029	223	181	16 530	266	917
TAS	506	32 905	29 401	233	306	539	109	393	502	309	66	6 539	2	326
WA	873	56 659	51 613	479	372	851	258	815	1073	211	122	11 716	159	542
NT	4	245	176	5	1	6	..	4	4	1	1	120	0	5

NOTE f=female, m=male.

(a) Computation of these is not identical between states.

(b) Junior teachers were variants of the former pupil-teacher apprentices, though with more attention to formal studies in teacher training.

(c) Sewing mistresses instructed girls in needlework and were a form of poorly paid auxiliary staff, especially in small schools where they were often the spouse or relative of the male head teacher.

(d) 1906 and 1910, information not available for NT.

*'They're getting real tough—they're even taking our tobacco away from us now.'*  
Victorian schoolboy, 1960.



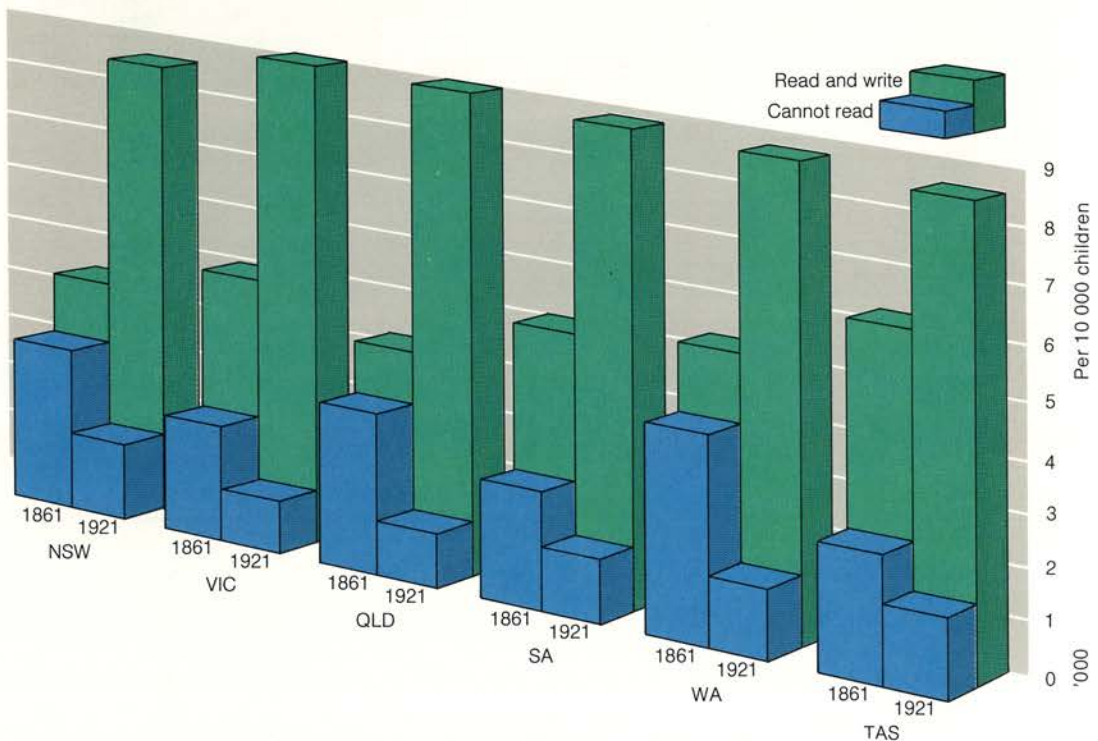
ES 155-158 TECHNICAL COLLEGES, STATES 1906-1949

Year & state	Colleges	Enrolments	Students	Teachers
31 Dec	155	156	157	158
<b>1906</b>				
NSW	654	15 594	12 401	249
VIC	..	..	..	..
QLD	..	4 321	..	..
SA	..	..	..	..
TAS	..	..	..	..
WA	..	..	..	..
AUST	..	..	..	..
<b>1910</b>				
NSW	886	22 822	15 839	334
VIC	88	7 107	..	..
QLD	312	5 744	..	195
SA	199	4 646	..	83
TAS	4	614	..	..
WA	142	2 007	..	122
AUST	1631	42 940	..	734
<b>1914</b>				
NSW	654	15 594	9 082	289
VIC	103	10 249	..	..
QLD	355	7 820	..	255
SA	229	4 947	..	127
TAS	78	900	..	40
WA	306	3 353	..	89
AUST	1584	40 956	..	800
<b>1918</b>				
NSW	572	15 986	8 717	369
VIC	110	13 300	..	..
QLD	421	9 900	..	295
SA	169	5 927	..	127
TAS	68	836	..	38
WA	435	5 853	3 320	127
AUST	1775	51 802	..	956

Year & state	Colleges	Enrolments	Students	Teachers
	155	156	157	158
<b>1922</b>				
NSW	646	21 328	9 806	470
VIC	126	16 168	..	..
QLD	512	12 069	..	396
SA	311	10 609	..	160
TAS	209	1 098	..	55
WA	449	6 920	3 471	153
AUST	2253	68 192	..	1234
<b>1926</b>				
NSW	688	28 764	12 089	527
VIC	135	21 431	..	..
QLD	..	13 871	..	444
SA	536	13 363	..	201
TAS	..	1 547	..	84
WA	432	7 869	3 500	142
AUST	..	86 845	..	1398
<b>1930</b>				
NSW	766	34 796	15 819	632
VIC	320	25 814	..	635
QLD	..	12 422	..	438
SA	599	12 933	..	201
TAS	..	950	..	67
WA	435	8 677	..	121
AUST	2120	95 592	..	2117
<b>1934</b>				
NSW	..	..	18 564	543
VIC	..	24 230	16 763	888
QLD	..	..	12 540	377
SA	..	..	7 457	211
TAS	..	1 394	980	19
WA	..	..	4 081	110
AUST	..	68 266	60 385	2228

Year & state	Colleges	Enrolments	Students	Teachers
	155	156	157	158
<b>1938</b>				
NSW	22	..	30 865	1053
VIC	28	..	26 859	1214
QLD	14	..	16 388	492
SA	17	..	9 610	296
TAS	5	1 851	1 316	133
WA	5	..	5 382	155
AUST	91	100 090	90 420	3343
<b>1941</b>				
NSW	26	..	40 983	1437
VIC	31	..	30 276	1383
QLD	13	..	6 393	221
SA	17	..	10 518	307
TAS	6	..	3 163	233
WA	8	..	6 299	229
AUST	101	..	108 227	3810
<b>1945</b>				
NSW	37	..	42 767	2088
VIC	31	..	33 905	1969
QLD	12	..	10 049	224
SA	19	..	14 178	396
TAS	6	..	4 207	258
WA	9	..	6 991	240
AUST	114	..	110 841	5175
<b>1949</b>				
NSW	38	..	64 957	2765
VIC	34	..	41 495	2215
QLD	12	..	14 657	375
SA	25	..	17 231	627
TAS	9	..	4 849	209
WA	12	..	10 413	339
AUST	130	165 290	153 602	6530

NOTE: Victorian figures refer to subjects taught before 1934.



EDUCATION OF CHILDREN, AGES 5 TO 14, 1861 AND 1921 CENSUSES

ES 159-168 STATE AND PRIVATE SCHOOLS, ENROLMENTS AND TEACHERS, STATES 1934-1951

Year & state	STATE EDUCATION SYSTEMS						PRIVATE SCHOOLS			
	Schools	Average weekly enrolments	Average daily attendance	Enrolled students attending	Teachers	Teachers in training	Schools	Enrolments <sup>a</sup>	Average attendance	Teachers
31 Dec	159	160	161	162	163	164	165	166	167	168
<i>1934</i>										
NSW <sup>b</sup>	3 420	360 188	309 953	86.1	12 319	..	755	91 124	80 407	4 802
VIC	2 764	240 105	210 165	87.5	8 687	..	510	69 792	61 583	2 498
QLD <sup>c</sup>	1 723	143 502	113 336	79.0	4 263	..	211	31 101	26 468	1 334
SA	1 082	83 491	76 352	91.4	3 187	..	178	13 861	12 339	899
TAS	515	33 723	29 317	86.9	1 286	..	65	5 291	4 834	256
WA	887	59 570	53 496	89.8	2 381	..	143	12 267	11 207	588
NT	6	310	273	88.1	13	0	1	102	89	9
AUST	10 397	920 889	292 892	86.1	32 130	0	1 863	223 538	196 927	10 372
<i>1938</i>										
NSW <sup>b</sup>	3 283	344 243	300 768	87.4	11 668	1 476	746	100 720	84 726	5 060
VIC	2 688	219 702	190 275	87.1	8 343	409	516	80 161	74 299	2 654
QLD	1 693	136 621	113 842	83.3	4 261	296	231	34 390	29 387	1 591
SA	1 061	75 519	69 861	92.1	3 050	274	162	13 218	11 842	872
TAS	459	31 578	28 359	89.8	1 274	93	64	6 523	5 066	328
WA	836	59 087	54 284	91.9	2 379	152	146	14 320	13 046	644
NT <sup>d</sup>	9	508	460	90.6	19	0	2	165	144	..
AUST	10 029	866 826	757 669	87.5	30 994	2 700	1 867	249 497	218 510	11 158
<i>1941</i>										
NSW <sup>b</sup>	3 053	333 024	291 191	87.4	12 047	1 210	739	103 350	86 629	5 213
VIC	2 640	211 880	187 316	88.4	8 868	456	518	81 308	76 305 <sup>e</sup>	2 744
QLD <sup>c</sup>	1 660	134 452	110 839	82.4	4 401	314	225	35 613	29 461	1 561
SA	989	68 504	62 051	90.6	3 078	248	157	13 502	12 002	831
TAS	424	31 196	27 457	88.0	1 273	117	63	6 886	5 320	329
WA	762	57 490	52 790	91.8	2 378	142	159	15 688	14 431	688
NT <sup>d</sup>	7	550	472	55.8	21	0	2	233 <sup>f</sup>	207 <sup>f</sup>	..
AUST	9 535	837 096	732 116	87.5	32 066	2 487	1 863	256 580	224 355	11 366
<i>1945</i>										
NSW <sup>b</sup>	2 690	335 915	293 251	87.3	11 214	1 403	733	111 841	97 951	5 321
VIC	2 404	198 239	177 027	89.3	8 408	756	506	83 278	81 667 <sup>e</sup>	2 986
QLD	1 523	131 607	110 527	84.0	4 962	346	222	35 949	32 651	1 565
SA	818	70 110	64 301	91.5	2 872	254	140	15 854	13 871	858
TAS	370	31 800	28 497	89.6	1 314	107	59	7 189	5 799	321
WA	637	57 670	52 452	91.0	2 244	94	155	18 536	16 939	739
NT <sup>d</sup>	5	407	385	94.6	12	0	2	167	146	9
AUST	8 447	825 748	726 440	87.9	31 026	2 860	1 817	272 814	249 024	11 799
<i>1949</i>										
NSW <sup>b</sup>	2 603	362 258	319 646	88.2	12 563	2 450	716	118 560	106 672	5 638
VIC	2 145	218 308	195 453	89.5	8 899	1 252	472	86 096	77 486 <sup>e</sup>	3 015
QLD	1 556	153 550	128 717	83.8	5 533	810	250	41 106	37 177	1 783
SA	728	78 982	71 996	91.2	3 285	425	146	18 426	16 424	920
TAS	315	37 346	33 465	89.6	1 409	242	59	8 497	7 121	360
WA	522	65 676	60 504	92.1	2 365	404	198	20 282	18 988	798
NT <sup>d</sup>	5	1 136	1 019	89.7	36	0	2	341	296	12
AUST	7 874	970 632	810 800	89.2	30 090	..	1 843	293 306	264 164	12 408
<i>1951</i>										
NSW <sup>b</sup>	2 525	398 899	349 766	87.6	13 602	2 623	740	130 790	..	5 882
VIC	2 035	247 361	219 135	88.6	9 424	1 498	479	97 269	..	3 272
QLD	1 565	159 767	142 705	89.3	5 976	566	254	45 323	..	1 852
SA	694	90 747	82 588	91.1	3 524	352	146	..	20 677	976
TAS	316	42 224	37 363	88.5	1 604	235	59	9 039	..	385
WA	507	72 646	66 865	92.0	2 568	478	210	22 790	..	873
NT	6	1 230	1 092	88.8	42	0	2	370	..	11
AUST	7 648	1 012 874	899 519	88.8	36 740	5 752	1 890	326 258	..	13 251

(a) Probably gross enrolments.  
 (b) Includes ACT.  
 (c) Qld private schools include the state assisted grammar schools: 1934 (10 schools 1773 pupils), 1945 (8 schools, 2249 pupils).  
 (d) NT figures for years ending 30 June 1938, 1942, 1946 and 1950.  
 (e) Net attendance.  
 (f) 'Incomplete' in original.



ES 169-180 KINDERGARTENS, SCHOOLS AND TECHNICAL COLLEGES, ENROLMENTS AND TEACHERS BY STATE 1953-1969

Year & state	Kinder-garten unions	Average attendance	Govt schools	Enrol-ments <sup>a</sup>	Non-govt schools	Enrol-ments <sup>a</sup>	Tech-nical colleges	Enrol-ments <sup>b</sup>	Kinder-gartens	TEACHERS		
										Govt schools	Non-govt schools	Tech-nical (full-time)
	169	170	171	172	173	174	175	176	177	178	179	180
<i>1953</i>												
NSW <sup>c</sup>	36	1479	2533	148 914	760	145 380	40	68 478	105	14 989	6 105	994
VIC	47	970	2000	283 041	489	109 607	37	49 815	91	10 267	3 449	1 497
QLD	4	158	1563	176 300	271	51 169	12	21 306	11	6 101	1 975	143
SA	79	2637	685	108 846	148	23 631	27	18 302	195	4 042	1 057	209
TAS	5	152	322	48 592	59	9 885	9	5 677	9	1 822	418	56
WA	37	1013	482	82 540	229	26 005	16	14 723	45	2 948	881	173
NT	..	..	10	1 632	2	409	..	..	..	68	13	..
AUST	208	6409	7595	1 149 915	1 958	366 086	141	178 301	456	40 237	13 898	3072
<i>1957</i>												
NSW <sup>c</sup>	38	1463	2639	532 819	788	172 720	45	78 630	102	17 486	6 542	1240
VIC	49	1451	2073	355 220	532	141 886	50	58 306	75	12 728	4 047	2209
QLD	22	..	1559	214 301	296	63 510	13	17 197	38	7 637	2 235	167
SA	93	3112	653	141 415	161	29 924	30	23 423	286	5 109	1 264	274
TAS	..	..	278	57 405	52	11 049	7	6 638	..	2 279	454	85
WA	44	1567	499	105 726	291	33 550	24	39 230	84	3 796	1 134	257
NT	..	..	10	2 359	2	580	..	..	..	89	14	..
AUST	246	7593	7711	1 409 239	2 122	453 219	169	205 225	..	49 124	15 690	4232
<i>1961</i>												
NSW <sup>c</sup>	..	..	2721	601 127	817	197 124	51	102 210	..	20 638	7 430	1302
VIC	..	..	2179	439 740	548	165 865	76	60 477	..	16 476	4 860	3133
QLD	..	..	1501	243 977	322	72 823	14	27 446	..	9 053	2 574	174
SA	..	..	663	173 198	165	35 982	25	24 053	..	6 321	1 442	363
TAS	..	..	289	66 624	66	13 435	12	6 298	..	2 588	570	97
WA	..	..	526	124 632	194	34 368	20	27 075	..	4 390	1 110	317
NT	..	..	17	3 625	4	850	2	993	..	191	19	4
AUST	..	..	7917	1 662 678	2 128	525 120	198	247 559	..	60 029	18 171	5386
<i>1965</i>												
NSW <sup>c</sup>	..	..	2692	653 436	806	214 619	54	140 217	..	26 831	6 842	1570
VIC	..	..	2232	504 120	582	182 606	79	79 287	..	20 083	5 551	3724
QLD	..	..	1336	262 225	350	83 413	14	36 455	..	9 316	2 543	279
SA	..	..	675	202 636	172	37 651	25	39 856	..	7 872	1 252	520
TAS	..	..	296	71 615	64	14 385	12	7 611	..	3 231	509	146
WA	..	..	544	140 951	204	36 775	36	55 440	..	4 934	1 247	505
NT	..	..	41	6 943	26	2 798	2	1 889	..	282	72	1
AUST	..	..	7844	1 857 120	2 221	580 557	222	360 755	..	73 145	18 256	6745
<i>1969</i>												
NSW <sup>c</sup>	..	..	2483	744 766	794	220 787	58	170 669	..	33 139	8 254	1889
VIC	..	..	2235	572 125	572	189 452	90	74 162	..	26 448	6 931	4614
QLD	..	..	1248	291 939	342	89 048	18	29 647	..	11 519	3 096	637
SA	..	..	655	226 091	171	36 669	26	42 252	..	9 488	1 524	674
TAS	..	..	245	78 339	67	14 740	9	8 164	..	3 552	633	186
WA	..	..	573	168 195	196	14 053	93	69 930	..	6 472	1 550	874
NT	..	..	75	12 293	14	2 691	2	3 224	..	549	78	9
AUST	..	..	7606	2 116 610	2 176	603 121	296	398 078	..	92 141	22 429	8883

NOTE Variations in data collection methods between states impair comparability, though there is fair consistency between years for the same state. Figures for Aust were not simply tallied from state returns, which were lodged with delays or amendments. For 1961, school enrolments for Aust were taken from the census. Consequently national totals do not always tally with state figures.

- (a) Government schools returned average weekly enrolments in 1953 and 1957. The form of non-government school enrolments was not specified, but was probably on net enrolment.
- (b) Refers to individual students enrolled.
- (c) Includes ACT

*I shall always look back with pleasure on my formative years when my character was being moulded. I was the most belted child in kindergarten, and it speaks volumes for my character that I came back in the night after leaving and burnt the place down. And now, here I am with my character all formed, and not a damn thing to do with it.' Lennie Lower, 1963.*

ES 181-189 UNIVERSITY ENROLMENTS AND DEGREES CONFERRED, AUSTRALIA 1955-1980

Year 31 Dec	BACHELOR DEGREE ENROLMENTS		BACHELOR DEGREES CONFERRED		HIGHER DEGREE ENROLMENTS		HIGHER DEGREES CONFERRED				
	New	Total	Total	Females	Total	Females	Total	Females			
1955	5 791	21 539	181	182	183	184	185	186	187	188	189
1956	6 881	23 686	..	..	..	3 432	704	1 094	..	..	..
1957	7 401	26 153	..	..	..	3 572	713	1 188	..	..	..
1958	8 936	29 920	..	..	..	3 025	642	1 357	..	332	40
1959	10 087	34 061	..	..	..	3 382	720	1 672	..	314	39
1960	11 647	38 934	..	..	..	3 615	830	2 226	..	382	39
1961	13 265	46 132	..	..	..	4 184	955	2 770	..	413	42
1962	14 487	50 757	..	..	..	4 743	1078	3 170	..	461	44
1963	15 717	56 077	..	..	..	5 391	1206	3 814	..	506	46
1964	18 339	62 936	..	..	..	6 131	1506	4 551	..	573	61
1965	20 062	69 540	..	..	..	6 960	1751	5 383	..	624	62
1966	22 185	76 453	..	..	..	8 627	2089	6 169	..	788	107
1967	20 314	78 825	..	..	..	9 019	2413	7 560	..	948	103
1968	23 499	84 317	..	..	..	10 393	2903	9 181	..	1002	130
1969	25 518	90 738	..	..	..	11 576	..	9 230	..	1246	..
1970	26 305	97 357	..	..	..	13 360	..	10 564	1735	1354	..
1971	26 433	102 644	..	..	..	13 484	..	11 549	1901	1551	..
1972	27 033	106 300	..	..	..	14 994	..	12 469	2144	1784	..
1973	27 908	109 068	..	..	..	16 877	..	13 057	2333	1970	..
1974	39 012	116 368	..	..	..	18 525	..	13 777	2590	2223	..
1975	40 556	120 119	..	..	..	21 115	..	15 262	3142	2081	..
1976	41 074	124 575	..	..	..	21 860	..	16 676	3632	2356	..
1977	40 358	127 358	..	..	..	23 025	..	17 381	4085	2616	..
1978	41 546	128 874	..	..	..	24 692	..	18 430	4491	2735	..
1979	42 158	129 222	..	..	..	26 155	..	19 164	4936	2913	..
1980	42 779	130 664	..	..	..	25 859	..	20 572	5374	3071	..
			..	..	..	25 859	..	20 572	5765	2981	..

ES 190-197 EDUCATIONAL INSTITUTIONS, 1969-1981

Year 31 Dec	Area	Govt schools	Roman Catholic schools	Other non-govt schools	Technical colleges <sup>a</sup>	Govt teachers' colleges <sup>b</sup>	Non-govt teachers' colleges	Colleges of Advanced Education	Universities
		190	191	192	193	194	195	196	197
1969	Aust	7541	1785	390	296	37	22	45	15
1970	Aust	7470	1781	399	292	39	23	44	15
1971	Aust	7404	1769	415	303	38	22	44	15
1972	Aust	7362	1768	422	..	37	22	45	15
1973	NSW	2287	636	172	61	8	10	11	5
	Vic	2179	471	98	106	13	7	20	3
	Qld	1228	292	47	23	4	3	5	2
	SA	614	118	45	29	4	1	4	2
	Tas	241	43	14	9	..	..	1	1
	WA	613	163	34	137	5	1	1	1
	NT	91	11	7	1	..	..	..	..
	ACT	58	20	5	1	..	1	1	1
	Aust	7311	1754	422	367	34	23	43	15
1974	Aust	7295	1731	426	..	..	17	78	17
1975	Aust	7266	1711	429	859	..	16	78	18
1976	Aust	7306	1698	440	1020	..	9	83	18
1977	NSW	2223	612	165	219	..	3	24	6
	Vic	2162	470	114	246	..	2	23	4
	Qld	1223	284	47	34	..	2	10	3
	SA	626	102	43	447	..	..	6	2
	Tas	251	39	23	10	..	..	1	1
	WA	648	146	42	116	..	..	6	2
	NT	110	9	2	6	..	..	..	..
	ACT	82	23	4	9	..	1	1	1
	Aust	7325	1685	440	1087	..	8	73	19
1978	Aust	7364	1680	465	1159	..	7	73	19
1979	Aust	7393	1694	506	1272	..	..	71	19
1980	Aust	7444	1706	529	1248	..	..	68	19
1981	NSW	2236	609	195	412	..	..	23	6
	Vic	2149	488	144	321	..	..	22	4
	Qld	1268	281	68	34	..	..	10	3
	SA	638	103	60	591	..	..	6	2
	Tas	261	37	24	11	..	..	1	1
	WA	695	143	63	128	..	..	5	2
	NT	130	10	3	14	..	..	..	..
	ACT	95	26	7	13	..	..	1	1
	Aust	7472	1697	564	1524	..	..	68	19

(a) Technical and further education institutions and annexes.  
 (b) After 1973 govt teachers' colleges were classified as Colleges of Advanced Education.



ES 198-205 STUDENTS ENROLLED AT EDUCATIONAL INSTITUTIONS,  
1969-1981

Year 31 Dec	Area	Govt schools	Roman Catholic Schools	Other non-govt schools	Technical colleges <sup>(a)</sup>	Govt teachers' colleges <sup>(b)</sup>	Non-govt teachers' colleges	Colleges of Advanced Education	Uni- versities
		198	199	200	201	202	203	204	205
1969	Aust	2 113 963	491 219	111 779	398 578	17 331	1425	31 949	109 662
1970	Aust	2 167 177	493 849	114 207	387 812	19 059	1829	37 625	116 778
1971	Aust	2 196 571	494 725	116 349	395 893	21 831	2034	44 351	123 776
1972	Aust	2 228 941	492 914	119 096	..	23 714	2040	52 034	128 668
1973	NSW	776 799	186 508	33 410	159 247	6 176	1380	10 902	53 099
	Vic	605 644	149 236	44 201	81 680	9 903	1042	26 056	32 913
	Qld	314 779	75 313	15 337	34 906	3 864	52	5 432	18 815
	SA	231 786	26 291	11 671	64 603	2 871	..	6 662	11 497
	Tas	77 991	9 844	4 008	7 368	..	..	2 003	3 263
	WA	185 220	33 018	9 560	70 713	2 235	..	7 841	9 077
	NT	77 984	2 360	727	3 062	..	..	..	..
	ACT	30 439	9 205	2 080	8 686	..	102	2 679	5 062
	Aust	2 240 642	491 775	120 994	430 365	25 049	2576	61 575	133 126
1974	Aust	2 257 845	494 055	124 426	612 617	..	2911	107 202	142 859
1975	Aust	2 297 979	496 199	125 102	671 013	..	3843	122 557	148 338
1976	Aust	2 335 431	498 761	126 058	768 444	..	1127	134 614	153 960
1977	NSW	809 976	185 364	33 501	238 308	..	601	32 702	61 640
	Vic	626 317	153 170	50 148	158 935	..	347	49 705	40 677
	Qld	341 301	77 341	15 511	82 537	..	197	17 553	21 513
	SA	233 210	27 535	11 911	149 352	..	..	15 168	13 390
	Tas	79 474	9 884	4 167	29 041	..	..	2 586	3 525
	WA	211 988	34 265	10 634	136 335	..	..	17 893	11 773
	NT	23 126	3 047	187	9 975	..	..	..	..
	ACT	38 924	11 438	2 373	14 330	..	162	4 705	5 893
	Aust	2 364 316	502 044	128 765	818 813	..	1307	140 312	158 411
1978	Aust	2 371 355	506 049	132 628	..	..	989	149 922	160 035
1979	Aust	2 336 718	512 345	137 868	888 228	..	..	155 667	160 812
1980	Aust	238 077	522 215	144 270	983 262	..	..	159 466	163 156
1981	NSW	790 393	195 773	42 080	268 978	..	..	39 907	63 532
	Vic	595 042	164 046	57 565	158 351	..	..	56 566	44 219
	Qld	360 424	80 699	19 804	60 576	..	..	23 418	22 392
	SA	213 033	29 078	14 234	93 279	..	..	17 558	12 811
	Tas	70 932	10 353	4 564	17 695	..	..	2 082	5 082
	WA	207 126	36 255	12 252	68 541	..	..	20 237	12 620
	NT	23 271	3 720	495	6 392	..	..	..	..
	ACT	39 182	14 405	2 673	18 202	..	..	5 299	5 955
	Aust	2 299 403	534 329	153 667	692 014	..	..	165 067	166 611

(a) Gross enrolments only.

(b) After 1973 govt teachers' colleges were classified as Colleges of Advanced Education.

ES 206-212 TECHNICAL AND FURTHER EDUCATION, GROSS  
ENROLMENTS BY STUDY STREAM, 1975, 1981

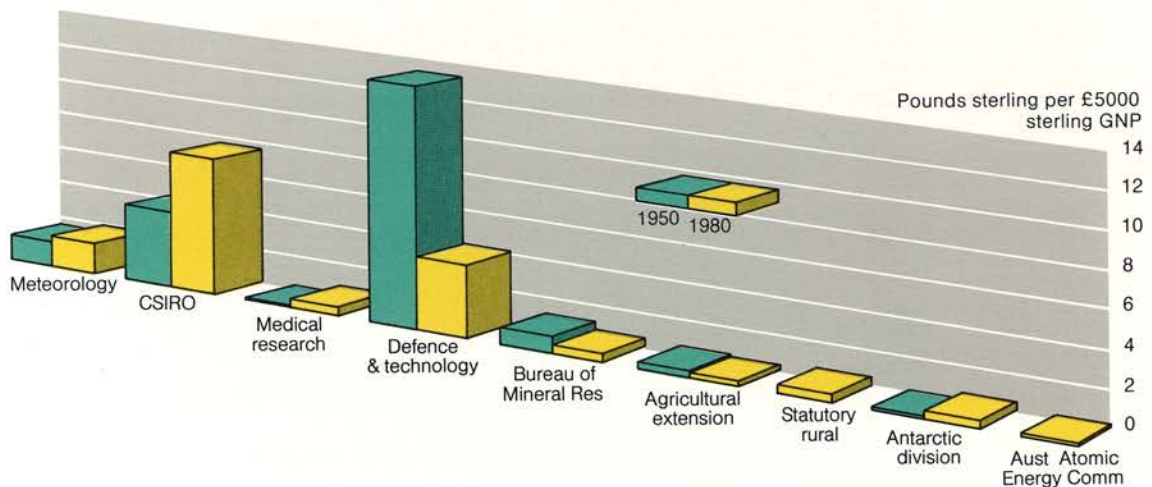
Year 31 Dec	Area	Profes- sional	Para- profes- sional	Trades	Other skilled	Prep- aratory	Adult education	Total
		206	207	208	209	210	211	212
1975	NSW	1133	59 623	47 197	75 470	19 823	14 436	211 682
	Vic	589	22 901	35 425	12 873	34 187	22 903	128 887
	Qld	650	7 931	18 907	5 909	14 310	31 909	79 616
	SA	674	26 869	9 900	18 212	17 609	36 236	109 500
	Tas	26	2 879	4 062	2 728	955	..	10 650
	WA	285	35 880	17 644	2 306	10 015	42 583	108 713
	NT	6	239	431	289	387	2 786	4 138
	ACT	144	3 570	2 334	3 808	3 476	4 504	17 836
	Aust	3507	153 892	135 900	121 595	100 762	155 357	671 013
1981	NSW	1221	65 961	61 164	105 540	45 738	21 108	290 086
	Vic	1120	33 319	45 574	37 697	45 912	116 050	274 401
	Qld	209	12 965	19 119	19 062	9 221	59 861	120 437
	SA	354	31 200	9 349	23 209	33 880	44 882	138 161
	Tas	42	4 343	5 180	5 826	2 922	15 195	32 890
	WA	142	38 896	16 778	12 510	5 651	51 126	119 667
	NT	49	985	1 054	2 330	1 974	5 901	12 293
	ACT	73	3693	2 096	6 714	6 168	8 822	27 024
	Aust	3210	191 362	160 314	212 888	151 466	322 945	1 014 959

ES 213-226 SCHOOL CHILDREN AGED FOURTEEN AND OVER, AUSTRALIA 1959-1983

Year	AGED 14 YEARS			AGED 15 YEARS			AGED 16 YEARS			AGED 17 YEARS			17 years & over	18 years & over
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total		
	213	214	215	216	217	218	219	220	221	222	223	224	225	226
1959	76 720	71 071	147 791	48 462	40 485	89 307	22 407	17 332	39 739	..	..	..	21 039	..
1960	80 601	73 322	153 923	53 194	44 377	97 571	26 915	20 069	46 984	..	..	..	23 105	..
1961	99 348	90 987	190 335	58 341	47 706	106 047	30 339	22 127	52 466	..	..	..	26 542	99
1962	93 321	86 377	179 698	74 412	61 759	136 171	35 384	24 920	60 304	15 147	8 670	23 817	31 731	7 914
1963	93 510	87 264	180 774	71 299	59 746	131 045	44 172	32 731	76 903	17 709	10 117	27 826	36 410	8 584
1964	99 617	94 053	193 670	71 619	61 317	132 936	43 843	33 045	76 888	22 826	13 642	36 468	45 650	9 182
1965	101 907	97 432	199 339	77 735	68 958	146 693	46 095	35 604	81 699	22 624	13 936	36 560	47 710	11 150
1966	105 646	100 241	205 887	82 741	72 015	154 756	51 681	38 554	90 235	23 029	13 207	36 236	47 194	10 958
1967	109 552	104 414	213 966	85 248	75 619	160 867	52 959	41 179	94 138	29 331	19 303	48 634	63 228	14 594
1968	109 973	104 241	214 214	89 815	82 286	172 101	58 203	46 032	104 235	31 527	21 726	53 253	70 483	17 230
1969	112 926	107 787	220 713	91 197	83 028	174 225	61 556	50 351	111 907	34 567	23 598	53 165	72 056	18 891
1970	117 038	109 548	226 586	94 604	86 433	181 037	62 374	51 615	113 989	36 375	26 000	62 375	82 028	19 653
1971	118 711	112 575	231 286	98 652	89 070	187 722	65 738	54 534	120 272	37 023	27 006	64 029	83 970	19 941
1972	122 644	116 564	239 208	101 349	93 011	194 360	68 804	57 059	125 863	38 896	29 298	68 194	89 231	21 037
1973	124 089	118 548	242 637	103 161	95 705	198 866	68 546	59 960	128 526	38 525	30 950	69 475	89 622	20 147
1974	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1975	130 536	124 165	254 701	110 118	103 087	213 205	72 835	67 382	140 217	39 217	34 965	74 182	94 034	19 852
1976	131 627	124 969	256 596	115 025	107 720	222 745	75 918	71 227	147 145	40 241	38 124	78 365	98 894	20 529
1977	130 437	124 112	254 549	115 326	109 800	225 126	77 617	74 852	152 469	40 789	40 284	81 073	101 812	20 739
1978	129 465	121 878	251 343	116 022	110 255	226 277	78 653	77 060	155 713	41 542	42 141	83 683	105 497	21 814
1979	124 580	118 117	242 697	114 366	109 288	223 654	77 271	75 698	152 969	40 743	42 328	83 071	105 477	22 406
1980	123 024	117 361	240 385	109 718	105 872	215 590	74 936	74 297	149 233	37 955	39 618	77 573	97 509	19 936
1981	125 492	119 508	245 000	108 798	104 995	213 793	70 764	71 809	142 573	37 416	39 795	77 211	95 392	18 181
1982	128 200	121 870	250 070	111 370	107 170	218 540	71 990	72 950	144 940	37 160	39 800	76 960	95 800	18 840
1983	134 102	128 220	262 322	115 943	110 798	226 741	79 878	76 761	156 639	41 278	43 195	84 473	106 660	22 187

ES 227-235 DISTRIBUTION OF POPULATION OVER NINETEEN BY STATE AND HIGHEST LEVEL OF SCHOOLING ATTENDED, 1971

Highest level of schooling attended	NSW	Vic	Qld	SA	Tas	WA	NT	ACT	Aust
	227	228	229	230	231	232	233	234	235
Never attended	0.6	0.7	0.6	0.7	0.5	1.3	12.1	0.3	0.8
Attended levels 1-5	21.3	18.7	38.6	34.3	27.5	26.7	21.5	9.6	24.7
Attended level 6	6.1	4.7	12.6	7.7	8.8	5.9	4.2	3.7	6.8
7	12.7	22.3	8.2	11.7	9.1	13.3	8.2	9.6	14.5
8	26.9	12.7	19.6	18.7	18.5	21.0	16.0	22.1	20.4
9	8.8	13.7	3.1	10.9	14.9	7.4	9.3	12.7	9.6
Attended levels 6-9	54.5	53.4	43.5	49.0	51.3	47.6	37.7	48.1	51.3
Attended level 10 or higher	18.1	22.0	12.0	12.7	15.7	18.7	17.9	38.8	18.0
Not stated	5.6	5.2	5.3	3.3	5.1	5.6	10.8	3.3	5.2



A COMPARISON OF COMMONWEALTH GOVERNMENT SUPPORT FOR SCIENCE IN 1950 AND 1980



ES 236-241 PATENT APPLICATIONS, COLONIES AND STATES 1860-1904

Year 31 Dec	NSW	Vic	Qld	SA	Tas	WA
	236	237	238	239	240	241
1860	11	121	1	..	7	..
1861	12	100	3	8	2	..
1862	13	82	2	5	3	..
1863	23	74	4	19	5	..
1864	20	99	6	7	4	..
1865	12	103	9	14	8	..
1866	28	100	6	13	5	..
1867	27	99	14	15	5	..
1868	35	125	13	17	7	..
1869	43	139	15	13	5	..
1870	13	119	11	15	5	..
1871	38	133	9	15	10	..
1872	46	122	14	21	7	..
1873	55	146	28	16	7	..
1874	62	147	21	28	15	..
1875	40	154	18	27	7	..
1876	65	155	18	28	11	2
1877	84	145	28	48	18	4
1878	65	147	37	60	17	2
1879	84	158	27	51	11	3
1880	106	176	46	56	19	8
1881	135	197	71	80	27	8
1882	162	242	79	102	55	21

Year 31 Dec	NSW	Vic	Qld	SA	Tas	WA
	236	237	238	239	240	241
1883	189	249	109	104	37	28
1884	193	295	91	109	42	10
1885	192	457	111	125	38	11
1886	236	485	160	120	54	18
1887	529	677	236	185	80	30
1888	741	883	340	372	120	33
1889	796	951	380	398	144	39
1890	766	1 017	395	449	103	44
1891	792	956	335	456	129	58
1892	703	882	315	353	111	83
1893	606	830	270	332	103	125
1894	720	853	322	350	151	203
1895	778	867	360	392	158	280
1896	858	1 048	469	551	251	443
1897	913	1 040	559	582	290	462
1898	835	955	496	512	262	433
1899	954	1 012	577	565	315	465
1900	844	971	504	572	295	438
1901	937	1 050	575	586	322	448
1902	1 128	1 241	650	667	356	515
1903	997	1 132	564	680	370	543
1904 <sup>a</sup>	171	192	83	113	51	99

(a) To 31 May.

ES 242 PATENT APPLICATIONS, AUSTRALIA  
1904-1984

Year 31 Dec	Total
	242
1904	2 244
1905	2 688
1906	2 745
1907	2 903
1908	2 841
1909	3 309
1910	3 607
1911	3 497
1912	4 077
1913	4 166
1914	3 439
1915	3 123
1916	2 911
1917	3 246
1918	3 544
1919	4 169
1920	5 481
1921	5 074
1922	5 432
1923	5 306
1924	5 432
1925	5 309
1926	5 391
1927	5 686
1928	6 530
1929	6 806
1930	6 533
1931	5 576

Year 31 Dec	Total
	242
1932	5 153
1933	5 044
1934	4 985
1935	5 117
1936	5 484
1937	5 585
1938	5 764
1939	5 741
1940	4 438
1941	4 078
1942	3 803
1943	4 621
1944	5 867
1945	7 353
1946	9 072
1947	8 362
1948	7 716
1949	6 725
1950	7 056
1951	7 146
1952	8 075
1953	8 920
1954	9 090
1955	8 954
1956	9 413
1957	9 921
1958	10 514
1959	11 436

Year 31 Dec	Total
	242
1960	11 833
1961	12 901
1962	13 030
1963	13 451
1964	14 148
1965	14 971
1966	16 007
1967	15 837
1968	16 716
1969	17 540
1970	17 592
1971	17 526
1972	17 301
1973	17 786
1974	17 067
1975	15 164
1976	15 232
1977	15 367
1978	15 229
1979	15 857
1980	16 922
1981	15 348
1982	18 187
1983	18 575
1984	19 816

ES 243-248 MEMBERSHIP OF ROYAL  
SOCIETIES, COLONIES AND STATES  
1855-1970

Year 31 Dec	NSW	Vic	Qld	SA	Tas	WA
	243	244	245	246	247	248
1855	..	40	..	..	..	..
1860	..	291	..	..	..	..
1865	..	..	..	..	..	..
1870	107	..	..	..	..	..
1875	273	122	..	..	..	..
1880	478	182	..	102	..	..
1885	519	..	147	..	..	..
1890	477	307	..	123	..	..
1895	436	176	..	101	..	..
1900	388	148	..	85	..	..
1905	344	163	..	88	..	..
1910	..	158	106	78	140	..
1915	302	..	108	94	110	85
1920	373	200	101	95	150	115
1925	379	206	166	134	225	267
1930	307	196	190	167	267	217
1935	302	202	186	166	244	186
1940	267	194	214	143	245	153
1945	295	215	..	..	305	181
1950	370	245	268	172	422	183
1955	341	236	221	175	491	208
1960	341	377	269	193	560	210
1965	354	496	343	237	623	228
1970	346	597	275	300	552	248

ES 249-257 COMMONWEALTH GOVERNMENT SUPPORT FOR SCIENCE, 1940-1982

Year 31 Dec	Meteorology	CSIRO	Medical research grants	Defence, science & technology	Bureau of Mineral Resources	Agricultural extension services	Statutory rural research	Antarctic Division	Aust Atomic Energy Commission
	249	250	251	252	253	254	255	256	257
1940	0.767	1.572	0.049	0.299					
1941	0.621	2.013	0.092	0.240					
1942	0.690	2.116	0.079	0.630					
1943	0.845	2.249	0.068	0.869					
1944	0.944	2.653	0.067	1.155					
1945	1.006	3.661	0.069	1.325					
1946	0.903	3.872	0.067	1.091	0.017				
1947	1.494	4.764	0.099	2.124	0.044				
1948	1.329	4.660	0.125	10.947	0.833			0.201	
1949	1.410	5.144	0.116	13.408	0.426	0.578		0.439	
1950	1.303	4.226	0.118	13.031	0.920	0.490		0.245	
1951	1.196	3.642	0.126	10.997	0.960	0.369		0.123	
1952	1.290	4.231	0.199	11.527	1.391	0.344		0.205	
1953	1.635	4.647	0.157	10.991	1.181	0.303		0.199	
1954	1.305	4.559	0.144	12.330	0.744	0.617		0.243	0.672
1955	1.305	4.455	0.135	11.717	0.615	0.469		0.224	0.823
1956	1.182	4.616	0.144	10.501	0.528	0.529	0.037	0.231	1.920
1957	1.840	4.756	0.150	9.276	0.594	0.485	0.060	0.302	2.836
1958	1.900	5.196	0.147	9.078	0.744	0.465	0.183	0.337	3.525
1959	1.871	5.427	0.169	8.435	0.800	0.426	1.094	0.399	2.321
1960	1.899	5.776	0.156	8.759	0.942	0.365	1.038	0.569	2.690
1961	2.093	6.213	0.174	8.371	1.001	0.377	0.906	0.552	2.599
1962	2.250	6.450	0.200	8.403	1.245	0.368	0.890	0.525	2.651
1963	2.279	6.813	0.186	8.296	1.430	0.342	0.965	0.493	2.576
1964	2.347	7.119	0.177	8.100	1.487	0.354	1.013	0.463	2.626
1965	2.175	7.909	0.209	7.380	1.366	0.322	0.995	0.506	2.434
1966	2.284	7.140	0.211	6.599	1.278	0.313	1.021	0.483	2.306
1967	2.263	7.133	0.210	6.112	1.260	0.579	1.024	0.459	2.235
1968	2.728	7.567	0.268	5.871	1.322	0.635	1.579	0.448	2.214
1969	2.606	6.960	0.286	6.069	1.158	0.730	1.357	0.475	2.183
1970	2.470	7.213	0.284	5.650	1.195	0.790	1.245	0.383	2.144
1971	2.681	7.655	0.329	5.794	1.168	0.773	1.255	0.395	2.044
1972	2.888	7.577	0.327	5.232	1.214	0.782	1.160	0.409	1.773
1973	2.594	7.478	0.381	4.953	1.169	0.762	1.254	0.383	1.656
1974	2.386	7.987	0.413	4.586	1.007	0.694	0.437	0.360	1.448
1975	2.512	8.189	0.487	4.853	0.913	0.640	0.360	0.370	1.479
1976	2.348	8.433	0.274	5.212	0.834	0.609	1.208	0.420	1.419
1977	2.172	7.986	0.546	5.252	0.749	0.596	1.103	0.393	1.266
1978	2.097	8.089	0.647	4.928	0.714	0.553	0.740	0.453	1.256
1979	1.908	8.370	0.624	4.222	0.640	0.487	0.500	0.463	1.181
1980	1.787	8.515	0.605	3.995	0.592	0.216	0.578	0.601	1.132
1981	1.739	8.644	0.681	4.102	0.572	0.189	0.612	0.721	1.092
1982	1.948	9.904	0.780	4.024	0.637		0.652	0.629	1.291

NOTE All figures are pounds sterling per 5000 pounds sterling Gross National Product.

*'The genie is out of the bottle, and cannot be put back.'* Sir Gustav Nossal, on genetic research, in the Melbourne Age, 30 Jan 1982.