CHAPTER XV.

LOCAL GOVERNMENT.

§ 1. Introduction.

- 1. General.—The statistics on Local Government operations are not entirely satisfactory, as they are incomplete, and not sufficiently comparable and up to date. Those on Local Government financial operations were improved, prior to the 1939–45 War, through the use by the State Statisticians of standard forms in supplying information on their respective States to the Commonwealth Statistician. The presentation of the statistics thus made available was only being developed when the war made it necessary to discontinue the returns. However, since the war these returns have been recommenced, and efforts are being made, as opportunity and circumstances permit, to widen the range of information presented on local government activities beyond the purely, or primarily, financial.
- 2. Local Government Authorities.—In each State of the Commonwealth there exists a system of local government whose powers and responsibilities are in general similar, and covers such matters as the upkeep and construction of roads, streets and bridges, water, sewerage and drainage systems and health and sanitary services, the supervision of building and the administration of regulations relating to items such as weights and measures, slaughtering, the registration of dogs, etc. In addition to these obligatory functions there are also a large number which may be performed by local government authority either with or without the consent of the ratepayers or the governor-in-council. These include transport facilities, electricity, gas and other business undertakings, hospitals, charitable institutions, recreation grounds, parks, baths, libraries, museums, etc.

The system is based on the principle of a grant of specific powers by the State legislatures to the local authorities, their autonomy, however, being more or less limited by the provision for general supervision by a department of the central government or by the governor-in-council. Otherwise, within the scope of the acts under which they are constituted or which they have to administer, they are responsible only to the rate payers.

While the broad pattern of local government throughout the States of Australia is similar, the range of activities, election of officers, methods of valuation and rating powers, etc., differ considerably.

The areas over which local government bodies exercise general control, numbering 929, are known in New South Wales as cities, municipalities and shires; in Victoria as cities, towns, boroughs and shires; in Queensland as cities, towns and shires; in South Australia as municipal corporation areas and district council areas; in Western Australia as municipalities and road districts; and in Tasmania as municipalities. In New South Wales some local government authorities in an area have combined to provide services such as electricity supply and water, sewerage and drainage—e.g., the county councils. There are also some municipal units within shires known as urban areas. In Western Australia there are local health boards, whose personnel in most cases coincides with those of municipalities and road boards. Apart from the more thinly populated parts of New South Wales and South Australia and the Federal Territories, practically the whole of Australia comes within local government jurisdiction.

The financial statistics in § 2 following are classified under the headings of Ordinary Services and Business Undertakings. The former covers the obligatory and general functions referred to above. Business Undertakings include public utilities such as water supply, sewerage, electricity, gas, transport and hydraulic power undertakings, and other miscellaneous works such as abattoirs, quarries, ice works, cinemas, etc.

A description of the various systems of municipal governments in the different States, and their development from the earliest date, was published in 1919 by this Bureau in a separate work entitled *Local Government in Australia*. In this publication the systems in force at that time are examined, the development of local government in Australia is traced since its inception, and all available statistical information is collected.

3. Semi-Governmental Authorities.—In addition to local government authorities, there is a large number of authorities set up to control specific activities, whose forms of activity are often identical with some of those performed by either, or both, of the other classes of public authority—central government and local government—and a complete picture of any field of activity for a State or Australia as a whole cannot be obtained without reference to each class operating in that particular field. These semi-governmental authorities differ primarily from local government authorities in that their operations are restricted to the specific activity for which they were constituted—e.g. roads and bridges, or water and sewerage, or electricity and irrigation, or harbours, or tramways, etc.—i.e. each dispenses a specific service throughout an area as distinct from the general services of the local authority.

Sections 4 to 7 following, dealing with roads and bridges, water supply and sewerage, harbours and fire brigades, include particulars of the more important of these authorities which operate within the range covered by this chapter.

- 4. Roads, Bridges, etc.—The construction and maintenance of roads, bridges and ferries are generally part of the functions of local authorities, but in each State there exists a central road authority or a Government department whose duties relate to the construction and maintenance of "main" and "developmental" roads, the distribution of funds to local bodies, and the supervision and co-ordination of road construction and policy throughout the State. Although roads and bridges constructed and maintained directly by the Government or by the central road authority do not properly come under the heading of "Local Government", they have been included in this chapter for the sake of convenience. Owing to difficulty in obtaining complete particulars of receipts and expenditure by the various local governing bodies in regard to roads under their control, the details of receipts and expenditure given in § 4 are those of the Government only, relating either to the supervisory board or commission in the State or to direct activities of a department. In § 2 some information is given of the revenue and expenditure of Local Government Authorities in respect of roads.
- 5. Water Supply and Sewerage.—In the cities of Sydney and Melbourne the control of water supply and sewerage is in the hands of special Boards, while in Adelaide and Perth these services are under the direct supervision of Government departments. In most of the other cities and towns, the municipal councils, or, in some cases, water trusts, are the controlling bodies which either construct the works out of their own resources or take them over after they have been constructed by the Government.

- 6. Harbours.—The majority of the harbours in Australia are managed by Boards, the members of which are either elected by persons interested, or are appointed by the Government. In a few instances, however, they are directly controlled by the Government.
- 7. Fire Brigades.—In all the States, the management of fire brigades is undertaken by Boards. These Boards usually comprise members elected by the councils of municipalities and insurance companies within the districts placed under their jurisdiction, and one or more members appointed by the Government. Occasionally volunteer or country fire brigades are represented.
- 8. Other Local or Semi-Governmental Activity.—The activities referred to above are not the only forms of local or semi-governmental undertakings. There are others, the most important being tramways and omnibus services and electricity and gas undertakings, which are not dealt with in this chapter, except to the extent that they are represented in the finances as shown in the following section. Chapter V.—Transport and Communication contains information on municipal transport services, while particulars of electricity and gas undertakings, although not shown separately, are included in the relevant sections in Chapter XXIV.—Manufacturing Industry. A special article on the generation and distribution of electricity in Australia is contained in Chapter XXV. of this issue.

§ 2. Local Government Authorities.

1. Area, Population, Dwellings and Value of Ratable Property.—(i) New South Wales. For purposes of local government the whole of the Eastern and Central land divisions and a small portion of the sparsely populated Western division have been divided into cities, municipalities (most principal towns) and shires (mainly large rural areas, some of which embrace important towns). At the end of 1949 the area incorporated was 184,000 square miles, or nearly three-fifths of the total area of the State.

The Local Government (Areas) Act 1948 repealed the Sydney Corporation Act 1932 which had regulated the operations of the Capital City. It unites the City of Sydney and certain areas, constituting the united area as a city; unites certain other areas or areas and parts of areas, constituting them as municipalities; and reconstitutes the Sydney County Council. All local government authorities in the State are now subject to the general provisions of the Local Government Act.

Municipalities and shires may combine to form county councils for the establishment and conduct of services of joint benefit, e.g., electricity, water, sewerage. There were 33 county councils and the Grafton and South Grafton Water Board at 30th June, 1950.

The area, population, dwellings and value of ratable property in the incorporated areas for the year ended 31st December, 1949 are shown in the table below. The valuations relate to ratable property only and exclude Government and other non-ratable property, whose value is not inconsiderable in the aggregate. In this table, particulars of dwellings are in accordance with the definition used in the 1947 Census, and are the

results of information collected on the Census schedules. Occupied dwellings include individual private houses, flats and tenements, and dwellings other than private (boarding houses, hotels, caretakers' quarters, hospitals, educational establishments, etc.). Also included are portions of shared private houses in respect of which portions separate householders' schedules were furnished. Unoccupied dwellings include "week-end" and holiday dwellings and other dwellings temporarily unoccupied on the night of the Census. Dwellings being built are not included.

LOCAL GOVERNMENT AUTHORITIES, NEW SOUTH WALES: AREA, POPULATION, DWELLINGS AND VALUE OF RATABLE PROPERTY, 1949.

:				Dwelli	ngs.(b)	Value of	Ratable ?	Property.
Local Bodies	Number.	Area.	Popu- lation.	Occu- pied.	Unoccupied.	Unim- proved Capital Value.	Im- proved Capital Value.	Assessed Annual Value. (c)
Metropolitan—		'ooo acres.	'000	No.	No.	£'000.	£'000.	£'000.
Capital City Other	26	7 148	1,322	51,934 324,120	539 2,229	68,341 113,184	233,219 401,734	30,593
Total	27	155	1,534	376,054	2,768	181,525	634,953	42,496
Outside Metropolitan Area	219	117,622	1,619	366,882	14,387	215,317	(d)	(d)
Grand Total	246	117,777	3,153	742,936	17,155	396,842	(d)	(d)

⁽a) From 1st January, 1949, the Local Government (Areas) Act 1948 amalgamated eight suburban municipalities with the Capital City. This, with other amalgamations, reduced the number of local government areas in the County of Cumberland from 66 to 39. (b) As at Census, 30th June, 1947. (c) Nine-tenths annual rental value of land with improvements thereon. (d) Not available.

(ii) Victoria. Local Government is established throughout the State, the various divisions being termed cities, towns, boroughs, or shires. The only unincorporated areas are French Island (42,000 acres) in Westernport Bay, Julia Percy Island (650 acres) off Port Fairy, and Tower Hill (1,350 acres) adjacent to the Borough of Koroit. Melbourne and Geelong were incorporated under special statutes prior to the establishment of a general system of local government, but are now subject to several provisions of the Local Government Act. The law relating to local government was consolidated by the Local Government Act 1946.

As from 1st January, 1947, the metropolitan area for statistical and health purposes was redefined by the inclusion of the city of Nunawading, the borough of Ringwood, the Broadmeadows and Campbellfield ridings of the shire of Broadmea lows, the Doutta Galla riding of the shire of Keilor and the shire of Mulgrave.

The area, population, dwellings and estimated value of ratable property in the incorporated areas for the year ended 30th September, 1950 are shown on the next page.

LOCAL	GOVERNMENT	AUTHORITIES,	VICTORIA:	AREA,	POPULATION,
	DWELLINGS AN	ND VALUE OF RA	TABLE PROPE	RTY, 1949	9-50.

			Popu-	Dwelli	ngs.(a)	Value of Ratable Property.	
Local Bodies.	Number.	Area.	lation.	Occupied.	Un- occupied.	Improved Capital Value.	Net Annual Value,
Metropolitan—		'ooo acres.	'000	No.	No.	£'000.	£'000.
Capital City Other (b)	33	8 34I	101 1,233	24,081 314,139	5	111,693 428,614	5,585 22,253
Total	34	349	1,334	338,220	6	540,307	27,838
Outside Metropolitan Area(c)	164	55,844	886	234,696	101	407,871	20,448
Grand Total	198	56,193	2,220	572,916	107	948,178	48,286

⁽a) Particulars of occupied and unoccupied dwellings are based on returns furnished by municipalities. These figures refer to number of units in all habitable buildings. They differ in basis from the figures published in the previous issue of the Year Book, which were derived from Census returns. (b) Includes the whole of the city of Heidelberg, the borough of Ringwood, and the whole of the shires of Braybrook, Broadmeadows and Keilor, whose parts do not all lie within the Metropolitan Area. (c) Excludes Yallourn area under the jurisdiction of the State Electricity Commission of Victoria.

Particulars of the unimproved capital value are not available.

(iii) Queensland. The whole of the State (except certain islands along the coast, the Dawson Valley Irrigation Area and the Somerset Dam Area) is incorporated into cities, towns and shires under the Local Authorities Act 1902 and its amendments. In June, 1949, the State Government rearranged the boundaries of the local authorities to the south of Brisbane, reducing their number by ten. The towns of Coolangatta and Southport were absorbed by the new town of South Coast; two new shires were created and eleven were abolished, being absorbed by the new shires and existing cities, towns and shires. The following table shows particulars of the area, population, dwellings and value of ratable property in the incorporated areas for the year ended 30th June, 1950:—

LOCAL GOVERNMENT AUTHORITIES, QUEENSLAND: AREA, POPULATION, DWELLINGS AND VALUE OF RATABLE PROPERTY, 1949-50.

			D1-41	Dwelli	Un- improved Capital	
Local Bodies.	Number.	Area.	Population.	Occupied.	Un- occupied.	Value of Ratable Property.
Capital City (b)		'000 acres. 246 428,874	'000. 402 697	No. 99,771 171,400	No. 1,475 8,071	£'000, 24,622 69,694
Total	134	429,120	1,099	271,171	9,546	94,316

⁽a) As at Census, 30th June, 1947.

Particulars of improved capital value and annual value are not available.

(iv) South Australia. The settled portion of South Australia is incorporated, being mostly under municipal corporations in the larger cities and towns, and district councils in the agricultural areas.

The following table shows the area, population, dwellings and value of ratable property in incorporated areas for the year ended 30th June, 1950.

⁽b) City of Greater Brisbane.

LOCAL GOVERNMENT AUTHORITIES, SOUTH AUSTRALIA: AREA, POPULATION, DWELLINGS AND VALUE OF RATABLE PROPERTY, 1949-50.

					Value of Ratable Property.			
Local Bodies.	Number.	Area.	Popu- lation.	Occu- pied Dwell- ings.	Unim- proved Capital Value.	Im- proved Capital Value.	Annual Value.	
Metropolitan—		ooo Acres.	·000.	No.	£'000.	£'000.	£'000.	
	. I	4	35	8,199	12,084	36,000	1,823	
	20	99	385	101,369	(b)	106,000	5,302	
	. 21	103	420	109,568	(b)	142,000	7,125	
Outside Metropolitan Area	122	34,402	265	69,055	(b)	109,000	5,442	
Grand Total	. 143	34,505	685	178,623	(b)	251,000	12,567	

⁽a) Particulars of unoccupied dwellings are not available.

(v) Western Australia. In this State, Local Government is carried on by means of municipalities and district road boards. Certain functions are delegated to health boards, whose personnel, in most cases, coincides with those of the municipalities and district road boards. The following table shows particulars of the area, population, dwellings and value of ratable property in incorporated areas for the year ended 31st October, 1950 for municipalities, and the year ended 30th June, 1950 for district road boards.

LOCAL GOVERNMENT AUTHORITIES, WESTERN AUSTRALIA: AREA, POPULATION, DWELLINGS AND VALUE OF RATABLE PROPERTY, 1949-50.

		! , !		0	Value of	Ratable P	roperty.
Local Bodies.	Number.	Area.	Population.	Occu- pied Dwell- ings. (a)	Unim- proved Capital Value.	Im- proved Capital Value.	Annual Value.
		'000.	'ooo.	No.	£'000.	£'000.	£'000.
Municipalities—	1	Acres.		1			
Metropolitan—	.			24,622	(b)	44,000	1,809
Capital City Other	8	14	104 75	18,961	(b)	16,454	851
Total	9	25	179	43,583	(b)	60,454	2,660
Outside Metropolitan Area	9 12	42	58	13,992	(b)	12,200	617
m-4-1	21	67	237		(b)	72,654	
District Road Boards-			23/_	57,575	(0)		3.277
Other Metropolitan (c) Outside Metropolitan	11	96	127	30,795	5,596	(b)	13
Area	117	624,426	185	48,766	20,360	(b)	5.11
Total	128	624,522	312	79,561	25,956	(b)	554
All Authorities— Metropolitan—							
Capital City	1	14	104	24,622	(b) (b)	44,000	1,809
Other	19	107	202	49,756		(b)	864
Total	20	121	306	74,378	(b)	(b)	2,673
Outside Metropolitan	-						_
Area	129		243	62,758	<u>(b)</u>	(b)	1,158
Grand Total	149	624,589	549	137,136	(b)	(b)	3,831

⁽a) Particulars of unoccupied dwellings are not available. (b) Not available part only (8,064 acres) of Swan River District situated in Metropolitan Area.

⁽b) Not available.

⁽c) Includes

The method of valuation is not identical in the case of all district road boards, as in some the assessment is based on the unimproved capital value and in others partly on the unimproved capital value and partly on the annual value. The amounts shown are the totals for the areas rated on each valuation, and are not a function of each other.

(vi) Tasmania. The whole State is divided into municipal districts, Hobart and Launceston being incorporated under separate Acts. The following table shows particulars of the area, population, dwellings and value of ratable property in incorporated areas for the year ended 30th June, 1950.

LOCAL GOVERNMENT AUTHORITIES, TASMANIA: AREA, POPULATION, DWELLINGS AND VALUE OF RATABLE PROPERTY, 1949-50.

	. i	i	'	Dwelli	ngs.(a)	Value of Ratable Property		
Local Bodies.	Number.	Arca.	Popu- lation.	Occu- pied.	Unoccu-	Unim- proved Capital Value.	Im- proved Capital Value.	Annual Value.
Metropolitan-		'ooo acres.	'ooo.	No.	No.	£'000.	£'000.	£'000.
Capital City Other (b)	1 2	18 99	58	13,597 4,560	56 331	5,413 1,413	17,510 4,519	1,284 345
Total	3	117	83	18,157	387	6,826	22,029	1,629
Outside Metropolitan Area	46	16,661	194	44,327	1,964	18,537	45,320	2,882
Grand Total	49	16,778	277	62,484	2,351	25,363	67,349	4,511

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- 2. Finances .- (i) General. The following tables show the latest available financial statistics for Local Government Authorities. The figures relate to the year 1949-50, except for New South Wales where they relate to the year 1949.
- (ii) Ordinary Services. (a) Details, 1949-50. In the returns of revenue and expenditure for 1949-50 in the following table, the proceeds from loans and expenditure thereof have been excluded, as have the operations of business undertakings controlled by the various Local Government Authorities. The profits resulting from the working of these undertakings, where taken into general revenue, have been included.

⁽a) As at Census, 30th June, 1947. (b) Comprises the whole of the Municipalities of Clarence

LOCAL GOVERNMENT AUTHORITIES: ORDINARY SERVICES—REVENUE AND EXPENDITURE, 1949-50.

	N.S.W.	Vic.	Q'land. (c)	S. Aust.	W. Aust.	Tas. (c)	Total.
Number of Local Govern-			1				
ment Authorities	(e) 246	198	134	143	149	9 49	9:
	REVENUE	(EXCLUI	OING LOAD	N RECEI	PTS).		
		·	(£.)		,	+	
Taxation—				1			
Rates (net) Penalties	9,681,981	6,437,476 21,980	4,848,715	1,623,847	1096066	667,782	24,428,61
Licences	224,339	66,372	49,780	34,943	27,050		
Tctal	9,956,716		4,898,495		1,123,145	677,846	
Public Works and Services—							I
Sanitary and Garbage Services							
Council Properties	1,098,163	373,096 767,994	921,329 726,276	53,918 162,301	192,410 329,706	44,099 92,265	
Street Construction	441,532			h 131,305	50,270		1,000,71
Other	(f) 885,221		32,343	56,358	62,457	31,963	
Total	3,493,370	2,133,182	1,733,681	403,662	644,843	170,573	
Jovernment Grants-							
Roads	1,766,051	133,267	800,527	730,614	298,402		
Other	1,077,174	246,886		17,267	11,813	9,769	
Total	2,843,225	380,153	1,232,596	747,881	310,215	124,771	5,638,84
Profits from Business Under- takings		269,784	15,730		51,077		336,59
ces and Fines	· · · · ·	29,169	1	J 43,867		7	1
Ill Other	<u> </u>	116,639		€ 63,406	638,209 90,658		1,471,15
Total, Revenue	16,293,311	9,454,755	8,291,950	2,917,606	2,858,147	1,050,939	40,865,71
Expe	NDITURE	(EXCLUD	ing Loan (£.)	Expen	DITURE).		
General Administration	L 170 688	1,373,038		1 000	<u> </u>		
Jeneral Manningonavion				' 277 XXX		H T20 277	2 206 4
Debt Services (excluding		1-13/3/53	678,318	277,888	297,319	120,227	3,296,4
Debt Services (excluding -(Business Undertakings		-13731-30			297,319		
Business Undertakings)- Interest	675,130	379,219	669,250	29,310	74,041	26,573	1,853,5
Business Undertakings) Interest Redemption	675,130 f1,321,096	379,219 560,589	669,250 857,162	29,310	74,041 155,187	26,573 54,668	1,853,52
Business Undertakings) Interest Redemption Exchange	675,130	379,219 560,589	669,250 857,162 160,456	29,310	74,041 155,187 2,277	26,573 54,668 508	1,853,52 3,099,88 184,80
Business Undertakings)— Interest Redemption Exchange Other	675,130 f1,321,096 21,560	379,219 560,589 	669,250 857,162 160,456 7,761	29,310 151,186 1,480	74,041 155,187 2,277 722	26,573 54,668 508	1,853,53 3,099,88 184,80
Business Undertakings) Interest Redemption Exchange Other Total	675,130 f1,321,096	379,219 560,589	669,250 857,162 160,456 7,761	29,310 151,186 1,480	74,041 155,187 2,277 722	26,573 54,668 508	1,853,52 3,099,88 184,80
Business Undertakings)— Interest Redemption Exchange Other Total Public Works and Services—	675,130 f1,321,096 21,560 	379,219 560,589 5,538 945:346	669,250 857,162 160,456 7,761 1,694,629	29,310 151,186 1,480 181,976	74,041 155,187 2,277 722 232,227	26,573 54,668 508 81,749	1,853,55 3,099,88 184,86 15,55 5,153,73
Business Undertakings) Interest Redemption Exchange Other. Total	675,130 f1,321,096 21,560 2,017,786 7,094,869	379,219 560,589 	669,250 857,162 160,456 7,761 1,694,629	29,310 151,186 1,480 181,976	74,041 155,187 2,277 722 232,227 911,168	26,573 54,668 508 81,749	1,853,5; 3,099,8i 184,8i 15,50 5,153,7; 16,518,30
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549	379,219 560,589 5,538 945,346 3,205,003 379,020	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671	29,310 151,186 1,480 181,976 1,704,725 150,238	74,041 155,187 2,277 722 232,227 911,168 79,745	26,573 54,668 508 81,749 470,357 33,461	1,853,5: 3,099,8! 184,8: 15,50 5,153,7: 16,518,30 1,088,68
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943	379,219 560,589 5,538 5,538 945,346 3,205,003 379,020 730,047	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080	74,041 155,187 2,277 722 232,227 911,168 79,745	26,573 54,668 508 81,749 470,357 33,461	1,853,52 3,099,88 184,86 15,50 5,153,71 16,518,32 1,088,68
Business Undertakings)— Interest Redemption Exchange Other Total Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275	379,219 560,589 5,538 945:346 3,205,003 379,020 730,047 196,675	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538	26,573 54,668 505 81,749 470,357 33,461 53,152 33,509	1,853,5; 3,099,8! 184,8c 15,55 5,153,71 16,518,3c 1,088,68
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100	379,219 560,589 5,538 945:346 3,205,003 379,020 730,047 1,06,675 1,488,218	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546	1,480 181,976 1,704,725 150,238 178,080 81,213 286,524	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538 439,748	26,573 54,668 508 81,749 470,357 33,461 53,152 33,509	1,853,5; 3,099,8t 184,8t 15,55 5,153,71 16,518,36 1,088,6t 3,445,15 972,75 5,590,63
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other.	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 196,675 1,488,218 662,703	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515,550	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538 439,748	26,573 54,668 505 81,749 470,357 33,461 53,152 33,509 134,694 22,697	1,853,5; 3,099,8 184,6; 15,55; 5,153,7; 16,518,36; 1,088,68 3,445,15; 972,75; 5,590,83; 2,235,86
Business Undertakings)— Interect Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 196,675 1,488,218 662,703	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515,550	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538 439,748	26,573 54,668 505 81,749 470,357 33,461 53,152 33,509 134,694 22,697	1,853,5; 3,099,8 184,6; 15,55; 5,153,7; 16,518,36; 1,088,68 3,445,15; 972,75; 5,590,83; 2,235,86
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total	7,017,786 7,017,786 7,094,869 306,549 1,467,943 48,275 2,216,100 590,948	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 1,66,675 1,488,218 662,703 6,661,666	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515,550	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,496,019	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200	26,573 54,668 505 81,749 470,357 33,461 53,152 33,509 134,694 22,697 747,870	1,853,5: 3,099,84 184,86 15,50 5,153,71 16,518,30 1,088,66 972,75 5,590,83 2,235,86 29,851,69
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances	7,017,786 7,017,786 7,094,869 306,549 1,467,943 48,275 2,216,100 590,948 12,158,684 225,561	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515.550 5,701.253	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,496,010	74,041 155,187 2,277 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200	26,573 54,668 505 81,749 470,357 33,461 53,152 33,509 134,694 22,697	1,853,5: 3,099,84 184,84 15,50 5,153,71 16,518,30 1,088,66 3,445,15 972,75 5,590,83 2,235,86 29,851,69
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Irants— Fire Brigades Hospitals and Ambulances Other Charitics	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 225,561 63,183	379,219 560,589 5,538 945:346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666 202,643 59,197	669,250 857,162 160,436 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515.550 5,701,253 95,152 1,778 852	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,495,010 (k)	74.041 155,187 2,277 722 232,227 911,168 79,745 248,281 56,538 439,748 348,720 2,086,200	26,573 54,668 508 81,749 470,357 33,467 134,694 22,692 747,870 12,005 2,736 2,736	1,853,5: 3,099,84 184,86 184,86 15,56 5,153,71 16,518,36 1,088,68 3,445,13 9,72,75 5,599,851,69 572,09 140,65
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charitics Other.	7,094,869 306,549 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 225,561 63,183	379,219 560,589 5,538 -945,346 3,205,003 379,020 730,675 1,488,218 662,703 6,661,666	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (3) 515.550 5,701.253 8,777 852 88,777	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,496,010 (k) (k) 5,612 4,362	74.041 155,187 2,277 722 232,227 911,168 79,745 248,251 58,538 439,748 348,720 2,086,200 36,729 2,492 2,070 5,458	26,573 54,668 508 81,749 470,357 33,461 53,152 33,509 134,694 22,699 747,870 12,005 2,736 2,739 2,478	1,853,5: 3,099,84 184,84 15,50 5,153,71 16,518,34 1,088,68 1,988,68 29,255,86 29,851,69 140,65 801,19
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charitics Other. Total	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 I,467,943 482,275 2,216,100 590,948 [225,561] 63,183 () 255,513 544,257	379,219 560,589 550,538 945,346 3,205,003 379,020 730,047 1,486,218 662,703 6,651,663 202,643 59,197 m444,605 706,445	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,022,546 (f) 515.550 5,701.253 8,777 186,559	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,496,010 (k) (k) 5,612 4,362	74,041 155,187 2,277 722 232,227 911,168 79,745 248,251 58,538 439,748 348,720 2,086,200 36,729 2,492 2,070 5,458 46,749	26,573 54,668 508 81,749 470,357 33,467 53,152 33,509 134,694 22,697 747,870 12,005 2,739 2,478 19,958	1,853,5: 3,099,8i 184,8i 184,8i 15,50 5,153,7i 16,518,32 1,088,66 29,851,69 3,445,15 5,72,09 140,65 801,19 1,513,94
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charitics Other. Total	7,017,786 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 12,158,684 (1) 255.513 (1) 255.513 393,628	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666 202,643 59,197 74444,605 706,445 50,759	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,5547 1,025,546 (j) 515.550 5,701.253 852 8,777 186,559 118,816	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 266,524 95,239 2,496,019 (k) 5,612 4,362 9,974	74.041 155.187 2,2777 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200 36,200 36,200 2,492 2,070 5,458 46,749 145,558	26,573 54,668 508 81,749 470,357 33,467 53,152 33,509 134,694 22,697 747,870 12,052 2,736 2,739 2,478 10,958 80,157	1,853,5: 3,099,84 184,84 15,50 5,153,71 16,518,30 1,088,66 3,445,15 972,75 5,590,83 2,235,86 29,851,69 140,65 801,19 1,513,94 788,91
Business Undertakings) Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charities Other. Total Intel Hospitals and Ambulances Other Charities Other Total Intel	675,130 1,321,966 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 225,561 63,183 (1) 255,513 544,257 393,628 16,294,043	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666 202,643 59,197 74444,665 706,445 50,759	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,022,546 (f) 515.550 5,701.253 8,777 186,559	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 266,524 95,239 2,496,019 (k) 5,612 4,362 9,974	74.041 155.187 2,2777 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200 36,200 36,200 2,492 2,070 5,458 46,749 145,558	26,573 54,668 508 81,749 470,357 33,461 53,152 33,509 134,694 22,690 747,870 12,005 2,736 2,739 2,478 10,958 80,157 1,049,961	1,853,5: 3,099,84 184,84 15,50 5,153,71 16,518,36 1,088,68 29,255,509,83 2,235,86 29,851,69 572,09 140,65 801,19 1,513,94 788,91 41,234,74
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charitics Other.	675,130 f1,321,096 21,560 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 12,158,684 () 255,511 544,257 393,628 16,294,043 less	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666 202,643 59,197 74444,665 706,445 50,759	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,5547 1,025,546 (j) 515.550 5,701.253 852 8,777 186,559 118,816	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 266,524 95,239 2,496,019 (k) 5,612 4,362 9,974	74.041 155.187 2,2777 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200 36,200 36,200 2,492 2,070 5,458 46,749 145,558	26,573 54,668 508 81,749 470,357 33,461 53,152 33,509 134,694 22,690 747,870 12,005 2,736 2,739 2,478 10,958 80,157 1,049,961	1,853,52 3,099,88 184,88 15,50 5,153,71 16,518,39 1,088,68 29,275,590,83 2,235,86 29,851,69 140,65 801,19 1,513,94 788,91 4,1234,74 6ess
Business Undertakings)— Interest Redemption Exchange Other. Total Public Works and Services— Roads, Streets and Bridges Health Administration Sanitary and Garbage Services Street Lighting Council Properties Other. Total Grants— Fire Brigades Hospitals and Ambulances Other Charitics Other. Total Intel Hospitals and Ambulances Other Charitics Other. Total Intel Hospitals Ambulances Other Charitics Other Total Intel Hospitals Int	675,130 1,321,966 2,017,786 7,094,869 306,549 1,467,943 482,275 2,216,100 590,948 12,158,684 225,561 63,183 (1) 255,513 544,257 393,628 16,294,043	379,219 560,589 5,538 945,346 3,205,003 379,020 730,047 106,675 1,488,218 662,703 6,661,666 202,643 59,197 706,445 50,759 9,737,254	669,250 857,162 160,456 7,761 1,694,629 3,312,277 139,671 767,653 120,547 1,025,546 (j) 515,550 5,701,253 8,777 186,559 118,816 8,379,575	29,310 151,186 1,480 181,976 1,704,725 150,238 178,080 81,213 286,524 95,239 2,496,019 (k) 5,612 4,362 9,974 2,995,857	74.041 155.187 2,2777 722 232,227 911,168 79,745 248,281 58,538 439,748 348,720 2,086,200 36,200 36,200 2,492 2,070 5,458 46,749 145,558	26,573 54,668 508 81,749 470,357 33,467 23,152 33,509 134,694 22,697 747,870 12,005 2,736 2,736 2,739 2,478 80,157 1,049,961	1,853,5: 3,099,84 184,84 15,50 5,153,71 16,518,36 1,088,68 29,255,509,83 2,235,86 29,851,69 572,09 140,65 801,19 1,513,94 788,91 41,234,74

⁽a) Figures for New South Wales relate to the year ended 31st December, 1949, and are on an income and expenditure hasis as distinct from those of other States, which are on a cash basis. (b) Year ended 30th September, 1950. (c) Year ended 30th September, 1950. (c) Year ended 31st October, 1950; (d) Municipalities—Year ended 31st October, 1950; (e) As from 1st January, 1949, the Local Government (Areas) Act 1948 amalgamated eight suburban municipalities with the Capital City. This, with other amalgamations, reduced the number of local government areas in the County of Cumberland from 66 to 39. (f) Includes interest from single funders that the capital City. This, and sales of residue lands, £18,844, previously credited direct to sinking funds. (g) Includes £291,274 plant hire. (h) Includes £17,897 eimbursements from Highways Department for work done. (i) Includes £178,431 for sewerage and drainage. (j) Includes £210,098 for sewerage, mosquito control and drainage. (k) Compulsory contributions included under Public Works and Services. (l) To Main Roads Department. (m) Includes £190,304 to Country Reads Board. (n) This deduction offsets duplications caused by the inclusion above of particulars of expenditure on (i) the purchase from revenue of assets and the depreciation of those assets, and (ii) the depreciation of assets purchased from loans and the repayment of those loans. The amount deducted cannot be apportioned according to the various headings.

(b) Years 1938-39 and 1945-46 to 1949-50. The following table shows the revenue and expenditure (excluding loan) of local government authority ordinary services for the years 1938-39 and 1945-46 to 1949-50.

LOCAL GOVERNMENT AUTHORITIES: ORDINARY SERVICES—REVENUE AND EXPENDITURE.

			. (2	5.)			
Year.	N.S.W.(a)	Victoria.(b)	Q'land.(c)	S. Aust.(c)	W. Aust.(d)	Tas.(c)	Total.
	<u> </u>	REVENUE	(EXCLUDIN	g Loan R	ECEIPTS).		
1938–39	10,657,409	6,070,551	4,177,632	1,578,688	1,447,154	518,755	24,450,189
1945-46	9,256,534	5,904,597	4,874,703	1,554.280	1,441,370	597,945	23,629,429
1946-47	10,562,205	6,476,264	5,480,877	1,835,326	1,720,290	680,549	26,755,511
1947-48	11,587,287	7,270,196	6,399,888	2,162,229	2,066,424	766,819	30,252.84
1948-49	13,524,992	8,190,347	7,035,155	2.526,530	2,436,790	895,920	34,609.734
949-50	16,293,311	9,454,755	8,291,960	2,917,606	2,858,147	1,050,939	40,866.718
	Ex	PENDITURE	(EXCLUDIN	G LOAN E	XPENDITUE	E).	
1938-30	10,790,273	6,192,859	 4,334,634	1,558,169	1,489,079	506,976	24,871,990
1945-46	9,260,781	6,218,046	5,267,540	1,032,714	1,594,069	622,311	24,595,461
946-47	11,095,211	6,986,748	5,839,506	2,015,592	1,832,800	722,074	28,491,931
1947-48		7,792,221	6,884,567	2,174,857	2,099,953	817,365	32,141,784
1948-49	13.815,846	8,548,147	7,579,954	2,525,528	2,420,541	910,926	35,800.942
1949-50		9,737,254	8,379,575	2,965,857	2,808,053	1,049,961	40,864,665

⁽a) Years ended previous 31st December. (b) Years ended 30th September. (c) Years ended 30th June. (d) Municipalities—Years ended 31st October; Road Districts—Years ended 30th June.

LOCAL GOVERNMENT AUTHORITIES: BUSINESS UNDERTAKINGS—REVENUE AND EXPENDITURE, 1949-50.

(£.)

			\ /				
Particulars.	N.S.W.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Total.
	Revenue	(EXCLUI	ING LOA	n Receil	PTS).		
Water Supply and Sewerage-							
Rates	810,079)	13,324		8,972	230,932)
Charges for Services and Sales of Products	216,326	94,288	1680219	1,304	4,237	67,791	3,643,59
Other (including Grants)		34,200	224,223		163	26,127	J
Total	1,292,017	94,288	1,917,766	1,304	13,372	324,850	3,643,59
Electricity and Gas—	0	`					3
Rates Charges for Services and	83,316	4088630	8,144			•••	11 .
Sales of Products	13,727,854	1 4000030	2432697	249,327	486,791		215243
Other (including Grants)	357,995		77,166		10,005		<u> </u>
Total	14,169,165	4,088,630	2,518,007	251,765	496,796		21.524.3
Railways, Tramways and Omnibuses	1						
Rates		۱	lr			11,509	1
Charges for Services and			[] [2,572,0
Sales of Products		9,992				426,076	1
Other (including Grants)	··-	<u> </u>	77,882			6,373	
		9,992		:-		443,958	2,572.03
Other— Rates	(b)	(c)	· (d)	(0)	(f)	(g)	,
Charges for Services abd		327,846				91	1
Sales of Products	870,362	\$ 327,040	42,075	18,388	12,992	26,220	1,319,1 ح
Other (including Grants)	6,325		12,675	912	494	810	j
Total	876,687	327,846	54,750	19,300	13,486	27,121	1,319,1
Grand Total	16,337,869			272,369	523,654	795,929	29,059,1

NOTE .- See next page for notes.

⁽iii) Business Undertakings. (a) Details, 1949-50. The table hereunder shows, for 1949-50, particulars of the revenue and expenditure, other than loan, of business undertakings under the control of local government authorities. These particulars are not included in the foregoing tables.

LOCAL GOVERNMENT AUTHORITIES: BUSINESS UNDERTAKINGS—REVENUE AND EXPENDITURE, 1949-50—continued.

(£.)

Particulars.	N.S.W.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Total.
Ехре	nditure	(EXCLUD	ING LOAN	Expeni	oiture).		
Water Supply and Sewerage— Working Expenses Depreciation Debt Charges Other (including Transfers to General Revenue and Construction)	605,748 (h)-35,680 462,212	Π	806,412 750,139 169,934	1,289 15	6,071 6,597	133,693 149,688 36,866	3,184,562
Total	1,032,280	91,578	1,726,485	1,304	12,668	320,247	3,184,562
Electricity and Gas— Working Expenses Depreciation Debt Charges Other (including Transfers to General Revenue and Construction)	12,279,521 (h)387,258 1,601,397		2238249 298,578	230,763 7,045 31,811	28,790 24,663		22272100
Total	14,768,176	4,047,281	2,678,060	269,619	508,964	••	22,272,100
Railways, Tramways and Omnibuses— Working Expenses Depreciation Debt Charges Other (including Transfers to General Revenue and Construction)		11,893	1818398 302,489 76,635			363,317 65,958 24,746	1
Total		11,893	2,197,522			454,021	2,663,436
Other— Working Expenses Depreciation Debt Charges Other (including Transfers to General Revenue and Construction)	(b) 836,051 (h)2,315 21,138		(d) 48,265 5555 4,750	(e) 19,314 	(f) 13,541 114	(g) 18,043 3,554	1
Total	859,504	343,376	53,570	21,314	13,655	23,619	1,315,038
Grand Total	16,659,960	4,494,128	6,655,637	292,237	535,287	797,887	29,435,136

⁽a) Includes Government grant, £191,796, for part of cost of new works borne by Government.

(b) Abattoirs and Ice-works. (c) Abattoirs, hydraulic power undertaking and quarries.

(d) Municipal markets, ice-works, amusement park accommodation, hostel and cinemas. (e) Quarries.

(f) Quarries, ice-works and abattoirs. (g) Abattoirs. (h) Net balance after deducting charge for debt redemption. The full amount of charge for debt redemption is included under debt charges.

NOTE.—Minus sign (-) indicates an excess of credits.

(b) Years 1938-39 and 1945-46 to 1949-50. This table shows the revenue and expenditure, other than loan, of local government business undertakings for the years 1938-39 and 1945-46 to 1949-50.

LOCAL GOVERNMENT AUTHORITIES: BUSINESS UNDERTAKINGS—REVENUE AND EXPENDITURE.

(£.)

Year	N.S.W.(a)	Victoria.(b)	O'land.(c)	S. Aust.(c)	W. Aust.(d)	Tas.(c)	Tota:
			(EXCLUDIN		<u> </u>		1
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50	 6,405,010 9,583,012 10,328,170 11,929,432 14,294,306 16,337,869	1,813.796 2,691,167 2,797,375 3,270,875 3,667,290 4,520,756	3,373,966 4,725,507 4,310,696 4,694,268 5,658,198 6,608,609	113,132 182,867 196,279 207,830 229,896 272,369	962,470 1,259,405 1,382,813 1,495,123 (e) 733,538 523,654	528,461 603,329 621,597 663,411 750,963 795,929	13,196,83 19,045,28; 19,636,936 22,260,936 25,334,19 29,059,186
	Exi	PENDITURE	(EXCLUDIN	g Loan E	XPENDITURE).	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50	 5,556,123 9,068,181 9,846,851 11,704,990 14,394,453 16,659,960	1,802,972 2,668,730 2,734,143 3,272,629 3,597,041 4,494,128	3,256,263 4,723,246 4,327,861 4,869,383 5,701,314 6,655,637	123,356 162,937 198,325 229,604 258,702 292,237	935,052 1,177,146 1,327,648 1,452,802 (e) 755,793 535,287	513,666 593,503 634,890 698,264 736,647 797,887	12,187,43 18,393,74 19,069,71 22,227,672 25,443,950 29,435,130

⁽a)-(d) See notes to corresponding table on Ordinary Services. (e) Electricity undertaking taken over by State Electricity Commission on 20th December, 1948. Includes trading from 1st November, 1948 to 19th December, 1948.

(iv) Loan Expenditure. (a) Details, 1949-50. The table below shows particulars for 1949-50 of loan expenditure on works connected with the ordinary services and the business undertakings of local government authorities.

LOCAL GOVERNMENT AUTHORITIES: LOAN EXPENDITURE ON WORKS, 1949-50.

		'	<i>3.,</i>				
Particulars.	N.s.w.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Total.
	()rdinary	SERVIC	es.			
Council Properties Parks, Gardens and Recre tional Reserves	nd 1,064,747	431,454 169,000 52,522 271,654	1,705,309 370,784 661,698	{ 215 	51,983 23,126	315,439	7,579,808
Total	2,769,996	924,630	2,737,791	331,047	500,905	315,439	7,579,808
	Bus	siness U	NDERTAK	INGS.			
Sewerage Electricity and Gas Railways, Tramways ar Omnibuses	545,647 249,760 5,369,545 ad 191,155		617,360 581,820 1,226,194 385,064 1,271	8,044	71,005	396,297	10,323,643
Total	6,356,107	680,481	2,811,709	8,044	71,005	396,297	10,323,643
Grand Total	9,126,103	1,605,111	5,549,500	339,091	571,910	711,736	17,903,451

⁽a) Includes advances for homes £197,787.

(b) Years 1938-39 and 1945-46 to 1949-50. The following table shows the loan expenditure on works connected with local government ordinary services and business undertakings during the years 1938-39 and 1945-46 to 1949-50.

LOCAL GOVERNMENT AUTHORITIES: LOAN EXPENDITURE ON WORKS.

				(1	i.)			
Year.		N.S.W.(a)	Victoria.(b)	Q'land.(c)	S. Aust.(c)	W. Aust.(d)	Tas.(c)	Total.
	_		·	Ordinary	SERVICES.	<u>}</u>		!
1945-46 1946-47 1947-48		1,757,704 144,568 646,887 1,911,795 2,614,670 2,769,996	662,986 114,821 286,135 522,443 712,378 924,630	1,316,651 247,023 1,027,810 1,669,617 2,326,484 2,737,791	43,479 44,382 104,890 185,095 189,792 331,047	117,172 25,346 124,661 278,638 356,977 500,905	39,481 25,141 84,548 79,046 189,497 315,439	3,937,473 601,281 2,274,931 4,646,634 6,389,798 7,579,808
			Во	siness Un	DERTAKING	ıs.		
1945-46 1946-47 1947-48	•	1,481,484 425,886 961,005 1,842,304 4,038,922 6,356,107	452,374 211,365 228,263 418,186 654,619 680,481	941,911 507,780 974,396 1,327,630 2,109,248 2,811,709	9,542 16,900 8,044	76,280 2.500 47,050 58,782 36,794 71,005	232,687 43.978 117,815 95,664 196,499 396,297	3,194,278 1,191,509 2,328,529 3,742,566 7,052,982 10,323,643

⁽a) Years ended previous 31st December. (b) Years ended 30th September. (c) Years ended 30th June. (d) Municipalities—Years ended 31st October; Road Districts—Years ended 30th June.

§ 3. Local and Semi-Governmental Authorities' Debt.

1. General.—Statistics of Local and Semi-Governmental Debt for the years 1938-39 and 1946-47 to 1949-50 are given in the following paragraphs. Because of difficulties created by the war these statistics were not collected for the years 1941-42 to 1945-46. The information given covers all Local Government Authorities and those Semi-Governmental authorities responsible for the provision of the following services, viz.:—

New South Wales. Water Supply and Sewerage, Electricity Supply, Fire

Brigades and Banking (including County Councils).

Victoria. Water Supply and Sewerage, Irrigation and Drainage, Harbours, Tramways. Electricity Supply, Fire Brigades, Marketing (Buying and Selling), Grain Elevators, Banking and Housing.

Queensland. Water Supply and Sewerage, Irrigation and Drainage, Harbours, Electricity Supply, Roads and Bridges, Trading Activities, n.e.i., Fire Brigades, Universities, Hospitals and Ambulances, Marketing (Buying and Selling and Agency), Industry Improvement and Miscellaneous.

South Australia. Irrigation and Drainage, Tramways, Electricity Supply, Fire Brigades, Hospitals and Ambulances, Marketing (Agency), Industry Improvement, Banking, Housing and Miscellaneous.

Western Australia. Water Supply and Sewerage, Irrigation and Drainage, Harbours, Tramways, Electricity Supply, Fire Brigades, Hospitals and Ambulances, Marketing (Agency) and Housing.

Tasmania. Harbours.

A detailed list of the authorities included is shown in *Finance Bulletin* No. 42, 1950-51, and the previous issue of the Year Book contained a list as at 30th June, 1947.

2. Local and Semi-Governmental Authorities' Debt.—(i) Year 1949-50. The following table provides a summary of new money loan raisings, provisions for the redemption of debt, debt outstanding and interest payable of local and semi-governmental authorities for the year ended 30th June, 1950. For greater detail see Finance Bulletin No. 42, 1950-51, published by this Bureau.

Annual Interest Payable (a)

LOCAL AND SEMI-GOVERNMENTAL AUTHORITIES: NEW MONEY LOAN RAISINGS, REDEMPTION, DEBT AND INTEREST PAYABLE, 1949-50. (£'000.)

			,				
Particulars.	n.s.w.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Total.
	Local (Governm	ENT AUT	HORITIES	•		
New Money Loan Raisings—							
From Government	192	12 1,621	962	312 67	20	• • • • •	1,498
From Public	5,724		5,142		589	700	13,843
Total	5,916	1,633	6,104	379	609	700	15,341
Funds Provided for Redemp-	1			ĺ	! !		
tion	1 1				l		
Government Loans	1 (47)	738	330	113	I	7]	507
Loans due to Public	1,781		1,185	53	188	217	4,162
Total	1,828	747	1,515	166	189	224	4,669
Accumulated Sinking Fund							
Balance	5,613	1,582	1,524	1	263	351	9,334
Debt							
Due to Government	742	247	8,319	570	32	122	10,032
Due to Banks (Net Over-	1 . 1		.5 5		,	1	,-3-
draft)	70	332	56	37	3	39 1	537
Due to Public Creditor (a)	34,407	12,231	31,044	550	2,184	3,492	83,908
Total (a)	35,219	12,810	39,419	1,157	2,219	3,653	94,477
Maturing Overseas(a)(b)	T 872		2 826			3/ 55	77,77

SEMI-GOVERNMENTAL AND OTHER PUBLIC AUTHORITIES.

1.444

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(c)

New Money Loan Raisings-	<u>'</u>	İ					
From Government	2	6,753	1,465	4,764	2,765		15,749
From Public(a)	9,329	20,002	3,074	10	9	250 '	32,674
Total	9,331	26,755	4,539	4,774	2,774	250 .	48,423
Funds Provided for Redemp-							
tion—	l (1		
Government Loans	253	200	326	218	67	11	1,075
Loans due to Public	2,065	2,780	418	I	58	20	5.342
Total	2,318	2,980	744	219	125	31 '	6,417
Accumulated Sinking Fund							
Balance	8,440	4,754	8	249	9 1	2	13,462
Debt-							
Due to Government	20,376	27,759	13,047	17,275	11,340	122	89,919
Due to Banks (Net Over-					1		- 7.5
draft)	1,852	1,165	321	65 :	20	\	3,423
Due to Public Creditor (a)	93,722	85,798	10,880	11,348	394	1,057	203,199
Total (a)	115,950	114,722	24,248	28,688	11,754	1,179	296,541
Maturing Overseas $(a)(b)$	8,658	3,566		767			12,991
Annual Interest Payable (a)	(c)	3,778	860	971	454	43	(c)

⁽a) Includes debt or interest payable in London and New York. The former is expressed in United Kingdom currency, the latter is payable in dollars which have been converted at the rate of 4.8665 dollars to £1. (b) Included in debt figures above. (c) Not available.

In this and the following tables, debt includes all liabilities for which arrangements have been made for repayment over a period of one year or more, and net overdrafts. Interest capitalized and amounts due for the capital cost of assets or for services rendered which are to be repaid over a period of one year or more are included. Current liabilities, such as interest accrued (but not capitalized), trade creditors, amounts held in trust and other debts which are to be repaid in less than one year are not included. Net overdraft is the gross overdraft of all funds less all bank credit balances (including fixed deposits) which do not form part of a sinking fund to repay a loan. New loans raised during the year include new loan liabilities incurred during the year, loans raised to repay indebtedness to the Government, and interest capitalized. Loans raised and redeemed within the year, increases in overdrafts and loans raised for conversion or redemption of existing

debt are excluded. Funds provided for redemption include instalments of principal repaid and amounts credited to sinking funds established for the purpose of repaying the debt on maturity. Amounts provided for redemption from loans raised for that purpose are excluded.

(ii) Years 1938-39 and 1946-47 to 1949-50. In the following table a summary is given of new money loan raisings, provisions for the redemption of debt and debt outstanding of local and semi-governmental authorities for the years 1938-39 and 1946-47 to 1949-50.

LOCAL AND SEMI-GOVERNMENTAL AUTHORITIES, AUSTRALIA: NEW MONEY LOAN RAISINGS, REDEMPTION AND DEBT.

(£'000.)

Particulars.		1938-39.	1946-47.	1947-48.	1948-49.	1949-50
Local Go	OVER	NMENT A	UTHORITI	es.		
New Money Loan Raisings-						
From Government		371	285	680	841	1,498
From Public		7,060	6,260	8,502	11,242	13,843
Total		7,431	6,545	9,182	12,083	15,341
Funds provided for Redemption—			·			
Government Loans		2,141		499	675	507
Loans due to Public		2,995		3,514	3,749	4,162
Total		5,136	_ 3,602	4,013	4,424	4.669
Accumulated Sinking Fund Balance		(a)	10,510	10,376	9,950	9,334
Debt-						
Due to Government		13,207	8,876	9,029	9,051	10,032
Due to Banks (Net Overdraft)		1,544		337	435	537
Due to Public Creditor(b)		76,582		66,734	73,766.	83,908
$\operatorname{Total}(b)$	• •	91,333	70,647	76,100	83,252	94,477
Maturing Overseas(b)(c)	••	17,893	7,807	7,326	6,775	4,838
Semi-Govi	ERNA	MENTAL A	UTHORITI	es.]	<u> </u>
New Money Loan Raisings—		1				
From Government		1,524	7,013	8,084	10,740	15,749
From Government From Public		7,038	17,968	11,118	18,046	32,674
77 Th. 1.1"			17,968			
From Public Total Funds provided for Redemption—	• •	7,038 8,562	17,968 24,981	11,118	18,046 28,786	32,674 48,423
From Public Total Funds provided for Redemption— Government Loans	• •	7,038 8,562 699	17,968 24,981 862	11,118	18,046 28,786 1,239	32,674 48,423 1,075
From Public Total Funds provided for Redemption—	••	7,038 8,562 699 1,146	17,968 24,981 862 2,253	11,118 19,202 1,034 2,437	18,046 28,786 1,239 5,101	32,674 48,423 1,075 5,342
From Public Total Funds provided for Redemption— Government Loans		7,038 8,562 699 1,146 1,845	17,968 24,981 862 2,253 3,115	11,118	18,046 28,786 1,239	32,674 48,423 1,075 5,342 6,417
From Public Total Funds provided for Redemption— Government Loans Loans due to Public Total		7,038 8,562 699 1,146	17,968 24,981 862 2,253	11,118 19,202 1,034 2,437	18,046 28,786 1,239 5,101	32,674 48,423 1,075 5,342 6,417
From Public Total Funds provided for Redemption— Government Loans Loans due to Public Total Accumulated Sinking Fund Balance		7,038 8,562 699 1,146 1,845 (a)	17,968 24,981 862 2,253 3,115 12,109	11,118 19,202 1,034 2,437 3,471 12,755	18,046 28,786 1,239 5,101 6,340 13,139	32,674 48,423 1,075 5,342 6,417 13,462
From Public Total Funds provided for Redemption— Government Loans Loans due to Public Total Accumulated Sinking Fund Balance Debt— Due to Government		7,038 8,562 699 1,146 1,845 (a) (d)44,817	17,968 24,981 862 2,253 3,115 12,109 57,880	11,118 19,202 1,034 2,437 3,471 12,755 64,747	18,046 28,786 1,239 5,101 6,340 13,139 76,055	32,674 48,423 1,075 5,342 6,417 13,462 89,919
From Public		7,038 8,562 699 1,146 1,845 (a) (d)44,817 2,006	17,968 24,981 862 2,253 3,115 12,109 57,880 923	11,118 19,202 1,034 2,437 3,471 12,755 64,747 1,495	18,046 28,786 1,239 5,101 6,340 13,139 76,055 2,793	32,674 48,423 1,075 5,342 6,417 13,462 89,919 3,423
From Public Total Funds provided for Redemption— Government Loans Loans due to Public Total Accumulated Sinking Fund Balance Debt— Due to Government		7,038 8,562 699 1,146 1,845 (a) (d)44,817 2,006 118,506	17,968 24,981 862 2,253 3,115 12,109 57,880 923 150,844	11,118 19,202 1,034 2,437 3,471 12,755 64,747 1,495 159,895	18,046 28,786 1,239 5,101 6,340 13,139 76,055 2,793 173,768	32,674 48,423 1,075 5,342 6,417 13,462 89,919 3,423 203,199
From Public		7,038 8,562 699 1,146 1,845 (a) (d)44,817 2,006	17,968 24,981 862 2,253 3,115 12,109 57,880 923 150,844 209,647	11,118 19,202 1,034 2,437 3,471 12,755 64,747 1,495	18,046 28,786 1,239 5,101 6,340 13,139 76,055 2,793	32,674

⁽a) Not available. (b) Includes debt in London and New York. The former is expressed in United Kingdom currency, the latter is payable in dollars which have been converted at the rate of 4.8665 dollars to £1. (c) Included in debt figures above. (d) Approximate only.

§ 4. Roads and Bridges.

1. Commonwealth Government Grants.—The following table shows particulars of allocations to the several States from the Commonwealth Consolidated Revenue Fund, under the Federal and Commonwealth Aid Roads and Works Acts, for road construction, maintenance, repair and other works connected with transport during the years 1938-39 and 1945-46 to 1949-50. Allocations for the construction and maintenance of strategic roads and for the promotion of road safety practices made in the years 1947-48 to 1949-50 are excluded. The aggregate amounts payable under the relevant acts from 1922-23 to 1949-50 for the purposes outlined above are also shown. Further particulars of these grants appear in Chapter XVII.—Public Finance.

ROAD CONSTRUCTION, MAINTENANCE, ETC.: GRANTS BY COMMONWEALTH GOVERNMENT.

(£'000.)

Year ende	l 3oth	June	!	N.S.W.	Vic.	Qland.	S. Aust.	W. Aust.	Tas.	Total.
1939 (a)				1,199	747	815	474	819	213	4,26
1946(a)				935 -	582 ·	636	369	639	167 '	3,328
1947 (a)				1,350 /	841	918	533	923	240	4,80
1948 (b)			i	2,017	998	1,102	631	1,102	287 '	6,13
1949 (b)			•	2,003	1,236	1,363	781	1,363	355	7,10
1950 (b))_	2.472	1,526	1,683	965	1,683	438	8,76
Aggregate, ye	ars 19	22-23 to		1						
1949-50			- 1	22,341	14,089	15,203	8,924	15,339	3,995	79,89

(a) Under Federal Aid Roads and Works Acts. (b) Under Commonwealth Aid Roads and Works Acts, except for $\mathfrak{L}_{398,830}$ to New South Wales in $\mathfrak{1}_{947-48}$ under Federal Aid Roads and Works Acts, representing amounts not drawn by that State during $\mathfrak{1}_{943-44}$.

In addition to the foregoing amounts, financial assistance from loan fund has been granted by the Commonwealth Government to the States for road construction. Such assistance has not been granted in recent years. At 30th June, 1950 the aggregate amount was £249,686.

2. New South Wales.—(i) General. A central road authority was created by legislation early in 1925 for the purpose of providing improved and uniform standards of construction and maintenance of the principal roads, and to administer Governmental subsidies for work on those roads. This authority (now organized as the Department of Main Roads) exercises control over Governmental activities in connexion with road works, these activities embracing works on main and developmental roads throughout the State, all roads in the unincorporated portion of the Western Division, and proclaimed national works, principally bridges and ferries, constructed from Government funds. The department co-operates with the municipal and shire councils in the work of constructing and maintaining a well-organized system of main highways.

In the metropolitan district the whole cost of the construction and maintenance of main roads is paid from the funds of the Main Roads Department, while in the country districts assistance in respect of road works may be granted for any area through which a main road passes. The cost of constructing developmental roads and works is borne in full by the Main Roads Department, but local councils are required to maintain them in satisfactory condition. For other roads the cost of both construction and maintenance work is generally chargeable to the revenue of local authorities, although Governmental assistance is not infrequently granted for works of construction and re-construction. In the Western Division the full cost of all roads and bridges is met by the Department of Main Roads.

The New South Wales Transport and Highways Commission was constituted in 1950 for the purpose of securing an efficient and integrated system of public transport by rail, road, air, sea and inland waterways within the State. Among others, the Commissioner for Main Roads, who is one of the eight members of the Commission, is subject to control and direction by the Commission in the exercise of any of his powers, authorities, duties and functions.

The general system of road communication throughout the State is made up of main roads classified as follows:—

State Highways—the principal avenues of communication between the coast and the interior or throughout the State, connecting with such avenues in other States.

Trunk Roads—forming with the State highways the framework of the general system of intercommunication throughout the State.

Ordinary Main Roads—used principally by through traffic as a means of intercommunication between towns or important centres of population. Public roads, except those within the City of Sydney, may be proclaimed as main roads on the recommendation of the Commissioner for Main Roads, who takes into consideration representations made by councils concerned, availability of funds for construction and maintenance purposes, and the value as connecting links between centres of population or business.

In addition, there are :-

Secondary Roads—in the metropolitan area of Sydney, carrying a substantial amount of through traffic and relieving neighbouring main roads of traffic which they would otherwise have to bear.

Developmental Roads—serving to develop a district or area of land by improving or providing access to a railway station or a shipping wharf, or to a road leading to a railway station or a shipping wharf.

(ii) Length of Roads. (a) Proclaimed Roads. The following table shows lengths of proclaimed roads at 30th June, 1950, according to class of road:—

PROCLAIMED ROADS, NEW SOUTH WALES: LENGTHS, 30th JUNE, 1950.
(Miles.)

			(11)					
•			Main	Roads.	Secon-	Develop-		
Division.		State High- ways.	Trunk Roads.	Ordinary Main Roads.	Total.	dary Roads.	mental Roads.	Total.
Eastern and Central Western	••	5,204 1,309	2,672 1,359	9,701 2,927	17,577 5,595	(a) 68	2,783	20,428 (b) 5,595
Total	••	6,513	4,031	12,628	23,172	68	2,783	26,023

⁽a) Metropolitan area. Department.

During 1949-50 the following roads were proclaimed or declared:—294 miles of new main roads and extensions of existing main roads, and 85 miles of new developmental roads.

The length of main and secondary roads maintained by the Department of Main Roads at 30th June, 1950 (excluding the Western Division) was 2,538 miles (14 per cent.), while the length maintained by Councils was 15,107 miles (86 per cent.). The proportions of the several classes of main roads maintained by Department and Councils respectively were:—State highways, 37 per cent., 63 per cent.; trunk roads, 2 per cent., 98 per cent; ordinary main roads, 6 per cent., 94 per cent.; secondary roads, 13 per cent., 87 per cent. In the County of Cumberland the Department maintained 58 per cent. of the roads (523 miles).

- (b) Composition of Roads. In 1948 the total length of all roads in New South Wales was estimated at 126,272 miles, including 7,730 miles in the Western Division. The lengths of roads, according to their composition or nature, were as follows:—coment concrete, 386 miles; asphaltic concrete, 195 miles; tar or bituminous macadam, 4,178 miles; surface water-bound macadam, 3,849 miles; water-bound macadam, 2,367 miles; gravel or crushed rock, 31,693 miles; formed only, 27,454 miles; cleared or natural surface only, 56,150 miles.
- (iii) Main Roads Department. (a) General. Progress has continued with the implementation of the Main Roads Department plan for main road development in the metropolis and the County of Cumberland. This plan has been included in the Cumberland County Council planning scheme for the development and improvement of the County of Cumberland. Surveys and designs have been advanced, and the acquisition of land is proceeding, in connexion with the planned Newcastle and District Arterial Road System and Wollongong-Port Kembla District Main Roads System.

An investigation into the extent and classification of country main roads in the light of present and future traffic needs was completed during 1949-50.

⁽b) Excludes 2,617 miles of unclassified roads, the responsibility of the

In addition to its construction and maintenance work on roads, the Main Roads Department is engaged on a scheme for widening metropolitan roads and the acquisition of land required to implement approved schemes has been proceeding.

During 1949-50, 25 new bridges were completed on main roads by the Department and councils. Important work which has been continued included work on a steel and concrete bridge over Iron Cove between Balmain and Drummoyne, Sydney (length 1,536 feet) and on a reinforced concrete bridge over a diversion of Cook's River (length 566 feet).

(b) Receipts and Payments. The funds of the Department of Main Roads are derived principally from taxation of motor vehicles, contributions by the Commonwealth Government under the Federal and Commonwealth Aid Roads and Works Acts (see Chapter XVII.—Public Finance, for some particulars of the basis and distribution of grants under these Acts and par. I of this section, page 658, for particulars of the amounts paid in recent years), contributions by municipal and shire councils, and special (not statutory) assistance by the State Government by way of loan moneys or special grants from revenue funds. Receipts and payments for the four years 1946-47 to 1949-50 compared with the income and expenditure for 1938-39 are shown below.

DEPARTMENT OF MAIN ROADS, NEW SOUTH WALES: RECEIPTS AND PAYMENTS.

	(25.)				
Item.	1938-39. (a)	1946-47.	1947-48.	1948-49.	1949-50.
	RECEI	TS.			
Motor Vehicle Taxation, and	ī		1		
Registration and Licence Fees	2.018.556	2.081.870	2,266,351	2,516,423	2,744,617
Federal and Commonwealth Aid	_,,55	-,,-,-	-,,55-	-,5,4-5	
Roads and Works Acts	1,176,039	1,310,459	b1,851,324	1,436,815	1,777,469
Councils' Contributions	250,679	244,043			
Consolidated Revenue (State)	3., , , ,		1	10,000	
Loans from State Government	302,643	400,000	300,000		
Grants and Contributions from					
State Government and De-					
partments, etc	13,549	10,117	53,095	63,295	9,909
Commonwealth Funds for Defence			1		
and Other Works		26,127	38,633	55,365	142,031
Hire of Plant and Motor Vehicles		191,400		314,006	
Suspense Accounts		2,694		62,826	
Other	54,782	132,528	107,570	111,719	149,415
Total	3,816,248	4,399,238	5,139,239	4,808,047	c5,450,015
	PAYMEN	rrs.			
Roads and Bridges in New South	[[
Wales—					
Construction	1,736,808	1.082.087	1,402,546	1.851.085	2,303,637
Maintenance	1,519,929				
Roads and Bridges outside New	10 311 3	, , , , , ,	7,13,3	-,57 -,-5-	-,-5-,5
South Wales		- 1,551	2,232	- 57	
Other Works	l	82,822			9,134
Debt Charges-		,	'''		J/- 57
Interest, Exchange, etc	152,469	161,794	138,124	126,964	121,895
Sinking Fund and Repayments	200,591	99,967	(d)776,444	95,697	40,861
Repairs and Expenses, Plant and	[. ,
Motor Vehicles	1 :	138,538	122,077	183,004	220,007
Purchase of Assets	· · · · · · · · · · · · · · · · · · ·	268,581	148,059		292,084
Suspense Accounts			108,359	2	19,538
Administration, etc	100,583	170,990			
Other	914	37,177	38,670		97,600
Total	3,711,384	4,263,042	5,419,764	4,999,404	c6,207,490
		··_		1,222/1 1	

(a) Income and expenditure.
 (b) Includes £398,830 not drawn by State during 1943-44.
 (c) Excludes £500,000 transferred from the County of Cumberland Main Roads Fund to the Country Main Roads Fund.
 (d) Includes £696,096 to liquidate certain outstanding liabilities before due dates.

The figures shown above represent the aggregate receipts and payments of three funds—the County of Cumberland Main Roads Fund, the Country Main Roads Fund and the Developmental Roads Fund. From 1st January, 1925 to 30th June, 1950

receipts amounted to £97,127,266 and payments to £95,619,042. Particulars of the individual funds are—County of Cumberland, receipts £26,985,763, payments £25,635,993; Country, £66,474,431, £66,441,844: Developmental, £3,667,072, £3,541,205.

The total expenditure on roads, streets and bridges in the State by all authorities during the years 1938-39 and 1946-47 to 1949-50 was, respectively, £8,894,099, £7,201,401, £8,934,403, £10,479,716 and £12,569,525. These figures are approximate and they include expenditure on construction, maintenance and direct administration, but not on debt charges. Expenditure on the Sydney Harbour Bridge is not included.

(c) Sydney Harbour Bridge. The Sydney Harbour Bridge was opened for traffic on 19th March, 1932. The main span is 1,650 feet and the clearance for shipping 170 feet from high water level. The deck, 160 feet wide, carries a roadway, two railway tracks and two tramway tracks, and there is also a footway on each side. During 1949–50 the number of toll lanes was increased from six to twelve by the construction of a new toll barrier, thus relieving traffic congestion. The capital cost of the bridge to the 30th June, 1950, was £9,743,252, but this amount will be reduced by approximately £273,000 on the disposal of all surplus resumed property. The portion met from repayable loan funds, over £8,000,000, is to be repaid over a period of 53 years, ending approximately in 1985. The accumulated balance of the Bridge Account to 30th June, 1950 showed a deficiency of £151,448. The following table shows income and expenditure for the years 1938–39 and 1946–47 to 1949–50:—

SYDNEY HARBOUR BRIDGE, NEW SOUTH WALES: INCOME AND EXPENDITURE.

	(£.))			
Item.	1938-39.	1946–47.	1947–48.	1948-49.	1949-50.
	Incom	iE.			
Road Tolls Railway Passenger Tolls Tram and Omnibus Passenger Tolls Other	278,297 103,697 38,738 8,366	321,496 130,561 26,607 9,224	352,488 130,460 26,380 9,801	380,795 132.662 26,996 11,349	438,898 130,729 27,394 12,915
Total	429,098	487,888	519,129	551,802	609,936
	Expendi	TURE.			
Maintenance and Improvement Interest, Exchange, etc Sinking Fund Other	36,739 334,797 40,564 12,194	52,936 303,381 65,531 15,939	56,139 288,357 66,272 23,064	66,475 274,057 67,887 26,615	73,934 270,061 68,949 55,365
Total	424,294	437,787	433,832	435,034	468,309

During 1949-50, 23,136,000 rail travellers, 25,001,000 tram and omnibus travellers, and 20,600,000 road travellers in 11,841,000 road vehicles crossed the bridge, contributing respectively, 22 per cent., 5 per cent., and 73 per cent. of the total toll revenue.

- 3. Victoria.—(i) General. With the object of improving the main roads of the State the Country Roads Board was established by legislation passed in 1912. The principal duties of the Board are to determine the main roads, State highways, tourists' roads, etc., to inquire into the State's resources in road materials and the most effective methods of road construction and maintenance, and to recommend deviations in existing roads or the construction of new roads in order to facilitate communication or to improve the conditions of traffic.
- (ii) Length of Roads. (a) Declared Roads. The total length of declared roads in Victoria at 30th June, 1950, was 14,303 miles, classified as follows:—State highways, 3,849 miles; main roads, 9,710 miles; tourists' roads, 402 miles; forest roads, 342 miles. The total length of the surface treated (black) system included in the foregoing totals was 6,468 miles or 45.2 per cent.

- (b) Composition of Roads. It is estimated that, in addition to the 14,303 miles of classified roads as above, there were about 50,000 miles of more important unclassified roads. The latest detailed estimate of the length of roads and streets in Victoria (as at 30th September, 1948) provides the following information:—Wood or stone, 62 miles; portland cement concrete, 150 miles; asphaltic concrete and sheet asphalt, 202 miles; tar or bitumen surface seal, 10,241 miles; water-bound macadam, gravel, sand and hard loam pavements, 28,418 miles; formed only, 23,901 miles; surveyed only, 38,437 miles; total 101,411 miles.
- (iii) Country Roads Board. (a) General. During 1948-49 and 1949-50, respectively, 784 miles and 885 miles of declared roads under the Board's control were treated with bitumen. In addition, 43 miles (1948-49) and 53 miles (1949-50) of undeclared roads, for which the Board contributed funds were similarly treated. Work for other authorities carried out by the Board's plant amounted to 82 miles and 80 miles respectively. The total mileages of bitumen treatment carried out were 909 miles in 1948-49 and 1,018 in 1949-50. Of the work on the roads under the Board's control, 306 miles in 1948-49 related to State highways and 365 miles in 1949-50

During 1949-50, 135 bridge projects of a total value of £221,037 were initiated. Of these new projects, 42 of a total value of £114,813 were supervised by the Board and 93 of a total value of £106,224, were supervised by municipalities. Bridge construction work carried out during the year was below that necessary to strengthen or renew the bridges throughout the State within a reasonable period.

Despite delays occasioned by labour difficulties continuous progress was maintained during the year on the Swan street Bridge, Melbourne, for which the Country Roads Board is the constructing authority.

(b) Receipts and Payments. Funds created under the Act were the Country Roads Board Fund, the Loan Account and the Developmental Roads Loan Account. Particulars of the operations of these funds, together with those of the Federal and Commonwealth Aid Roads and Works Account, are given hereunder:—

Country Roads Board Fund. All fees (other than fees for licences to drive motor cars prior to 1949-50) and fines under the Motor Car Act, and all registration fees and fines for traction engines, less cost of collection of such fees and fines are credited to this fund. Particulars of receipts and payments connected with the Federal and Commonwealth Aid Roads and Works Acts, Commonwealth Defence Works and several other funds are not included therein (see next page for particulars). Receipts and payments for the years 1938-39 and 1946-47 to 1949-50 were as follows:—

COUNTRY ROADS BOARD FUND, VICTORIA: RECEIPTS AND PAYMENTS.

		()		,	·	
Item.	 	1938-39.	1946-47.	1947-48.	1948-49.	1949·50.
	 	Receir	PTS.			
Motor Vehicle Regist Drivers' Licence Fees Municipalities' Paym Stores and Materials Hire of Plant Other	 Fees	1,690,962 318,878 233,104 53,724 117,341	411,750 181,936	302,905 598,080	376,696 230,976	131,678 313,743 571,015 375,719
Total	 ••	2,414,009	2,838,963	3,336,732	3,355,334	4,244,407

COUNTRY ROADS BOARD FUND, VICTORIA: RECEIPTS AND PAYMENTS—continued.

(±.)									
Item.	1938-39.	1946-47.	1947-48.	1948-49.	1949-50.				
	PAYMEN	NTS.		-					
Maintenance of Roads and Murray River Bridges and Punts Relief to Municipalities Interest, Sinking Fund, etc.— Recoup to Consolidated Re-	1,205, 0 69 240,1 7 0				1,851,969 201,328				
venue— Interest, etc Sinking Fund Municipalities' Repayments, etc. Plant, Stores and Materials Other (including Administration)	282,484 25,794 119,167 310,332 230,125	25,091 10 5 ,546 8 17,79 7	104,295 1,043,506	24,489 103,290	340,224 102,587 868,561 985,930				
Total	2,413,141	3,250,198	3,981,550	2,958,946	4,350,599				

Country Roads Board Loan Account. Loans have been authorized from time to time under the Country Roads Acts for permanent works on main roads and State highways. During the years ended 30th June, 1949 and 1950, respectively, receipts amounted to £437,529 and £391,867, and payments to £407,304 and £343,953. The total expenditure to 30th June, 1950 was £5,823,539.

Developmental Roads Loan Account. This fund was created for the purpose of constructing and maintaining subsidiary or developmental roads. Loan moneys raised were exhausted at 30th June, 1937, the total expenditure at that date being £6,425,758.

Federal and Commonwealth Aid Roads and Works Account. Revenue and expenditure in respect of the Federal and Commonwealth Aid Roads and Works Account, particulars of which are not included above, were as follows:—

(-1)											
Item.	1938–39.	1946-47.	1947-48.	1948-49.	1949-50.						
Revenue Expenditure(a)	716,019 767,767	81 3, 024 554,682	993,144 1,338,301	1,201,971 1,300,818	1,540,233 994,400						

⁽a) Excludes amounts spent on maintenance and repairs of public roads adjoining, or of approach to, Commonwealth properties in Victoria (see table following).

Total Expenditure. The total expenditure by the Board on road construction and maintenance during each of the five years 1938-39 and 1946-47 to 1949-50 was as follows:—

COUNTRY ROADS BOARD, VICTORIA: EXPENDITURE ON ROADS.

	(~.,				
Item.	1938-39.	1946-47.	1947-48.	1948-49.	1949-50.
State Highways-Maintenance,					
etc. (a)	453,708	597,180		894,600	1,340,588
Main Roads—Construction(a)	224,290	95,168	75,743	12,304	5,801
Maintenance(a)	802,920	905,344	1,283,619	1,087,120	1,217,829
Developmental Roads—Construc-		-			
$_{\rm tion,\ etc.\ }(a)$	468,122	252,946	436,467	458,473	378,179
Tourists' Roads-Construction,					
_etc. (a)	77,694	96,302	98,662	117,477	149,841
Forest Roads—Maintenance, etc.		19,770	29,342	22,150	44,174
Murray River Bridges and Punts—					
Maintenance	4,067	4,630	4,004	5,946	6,022
Roads adjoining Commonwealth	İ				
Areas—Maintenance, etc	13,321	4,888	3,407	3,247	735
Unemployment Relief Works	54,662	9,979		••	••
Swan-street Bridge			15,178		
Total	2,098,784	1,986,207	3,127,804	2,639,086	3,185,036

⁽a) Includes amounts contributed by the Commonwealth Government under the provisions of the Federal and Commonwealth Aid Roads and Works Acts.

- 4. Queensland.—(i) General. Under the Main Roads Act 1920 a Main Roads Board was constituted, consisting of three members appointed by the Governor-in-Council. In 1925 the Board was abolished and its powers conferred upon a single Commissioner. The duties of the Commissioner are to carry out surveys and investigations necessary to determine State highways, main, developmental, secondary, mining access, farmers' and tourist roads and tourist tracks, and the responsibility for building and maintaining these declared roads is largely that of the Commissioner. Roads of purely local importance are constructed and maintained by local authorities. In many cases construction is subsidized by the State Government by means of Treasury loans. Other roads are built by the Public Estate Improvement Branch of the Lands Department in order to open up areas of previously inaccessible or undeveloped country.
- (ii) Length of Roads. (a) Declared Roads. The total length of declared roads in Queensland at 30th June, 1950 was 20,607 miles, comprising State highways, 7,610 miles; main roads, 10,876 miles; developmental roads, 245 miles; secondary roads, 627 miles; mining access roads, 686 miles; farmers' roads, 276 miles; tourist roads, 285 miles; tourist tracks, 2 miles. During 1949-50, 592 miles were added to the list. The length of roads improved in Queensland from the date of commencement of work under the Main Roads Acts 1920-1943 to 30th June, 1950 was 9,414 miles (46 per cent.). At that date, also, 1,462 miles of new road construction and 947 miles of stage construction work were proceeding.
- (b) Composition of Roads. The total length of roads and streets in Queensland at 30th June, 1950 was:—Concrete, 90 miles; bitumen, 4,113 miles; macadam, 9,288 miles; other formed, 44,977 miles; unconstructed, 76,107 miles; total, 134,575 miles.
- (iii) Main Roads Commission. (a) General. During 1949-50 (1948-49 in parentheses) the Commission completed 346 miles (225 miles) of roads including new construction and stage construction. Bridges of all types to a length of 3,943 (3,008) linear feet were constructed during 1949-50 (1948-49), bringing the total constructed by the Commission at 30th June, 1950 to 151,373 feet, approximately 29 miles. In addition, at 30th June, 1950, 5,451 feet were under construction. These figures exclude particulars of the Fitzroy River and Burdekin River bridges which are special projects.

The first of these projects is a joint operation being carried out by the Main Roads Commission and the Rockhampton City Council. The design provides for a bridge 1,210 feet long, at a total estimated cost, including approaches, of approximately £426,000, one half being financed under the terms of the Main Roads Act. The total expenditure to 30th June, 1950 was approximately £345,000. The bulk of the work completed to 30th June, 1950 has been on pier foundations and approaches. The second project is a combined road and rail bridge over the Burdekin River, with an overall length, including approaches, of 3,620 feet, estimated to cost about £1,900,000. This work, the largest single post-war project actually under construction in Queensland, had been advanced to a stage at 30th June, 1950, where six of the nine caissons designed for the river bed had been sunk to foundation level.

During 1949-50, construction was seriously impeded by heavy rains and floods; this affected costs, which at the end of the financial year totalled approximately £729,000.

(b) Receipts and Payments. The funds of the Main Roads Commission are obtained chiefly from motor vehicle registration and collections, fees, etc., under the Transport Acts, contributions under the Federal and Commonwealth Aid Roads and Works Acts, and loans, grants and advances from the State Government. The total receipts and

payments, including amounts for defence works, during each of the years 1938-39 and 1946-47 to 1949-50 are shown below:—

MAIN ROADS COMMISSION, QUEENSLAND: RECEIPTS AND PAYMENTS.

(£.)

		(20.)		<		
	ltem.	1938-39.	1946–47.	1947–48.	1948-49.	1949-50.
		Receir	PTS.			
	Motor Vehicle Registration, Transport Acts Collections, Fees, etc.	938,227	0.5 700	06-81-	1,056,813	1,165,888
	Loans from State Government Grants, Advances, Refunds, etc.	392,225	915,192 321,250	300,000		700,000
	from State Government Federal and Commonwealth Aid	579,775	230,231	590,708	687,630	594,471
	Roads and Works Acts Commonwealth and Allied Works	So6,218	893,622	т,о88,756	1,316,311	1,693,567
	and Services		-29,051			• •
	Authorities Hire, Rent, Sales of Plant, etc	98,154	167,229, 65,823			258,673 81,169
8	Other	} 288,330	82,452		112,208	125,469
LIBRARY	Total	3,102,929	2,646,748	3,308,777	4,023,136	4,619,237
STATE U		PAYME	NTS.			
E a	Permanent Road Works and Sur-					
	veys	2,045,900	1,635,542	1,972,304	1,719,632	
	Maintenance of Roads	331,734	936,158		986,667	1,063,255
	Port Development Works		15,096	4,885	• •	
	Plant, Machinery, Buildings, etc.	53.630	20- 26-	500 000	6	
	(including Plant Maintenance) Loans—Interest	73,632 38,861		509,203 178,518		
	Redemption	78,153				183,406
	Payments to State Consolidated	7-7-55	-4-,4-5	3,333	5,777	103,400
	Revenue	340,244	39.810			
	Payments to Local Authorities Commonwealth and Allied Works	27,418	41,541		1,807	1,769
	and Services		17.039			
	Other Works and Services		14,404			
	Administration, etc Other	149,950				458,730 25,173
	m . I	!				
	Total	3,087,642	3,718,989	4.243,045	3,896,966	4,487,918

^{5.} South Australia.—(i) General. The Highways Act 1926-1949 created a Commissioner of Highways and provided for a Highways Fund. The Commissioner is virtually empowered to determine upon which main roads he will spend the moneys available; in doing which he has to take into account the availability of funds for main roads, the service the road is intended to render, and the present or future adequacy of railway facilities in the area through which it passes.

¢

The Highways Fund is credited with the receipts from State motor taxation, fees, fines and licences, after deduction of the costs of collection, and all loans raised and appropriated for roads. All moneys received by the State from the Commonwealth under the Federal and Commonwealth Aid Roads and Works Acts are also expended by the Commissioner of Highways under the general provisions of the Highways Act.

- (ii) Length of Roads. The total length of roads in use for general traffic at 30th June, 1948 (the latest date for which this information is available), was as follows:—Within District Council and Corporation Boundaries.—Blocks (wood or stone), 8 miles; bituminous concrete (asphalt and premix), 393 miles; cement concrete and cement penetration, 2 miles; penetration or surface dressed (bitumen or tar), 4,283 miles; metalled (gravelled or rubbled), 13,429 miles; formed, but little or no metal, 8,742 miles; surveyed, used by traffic, but little or no improvement, 25,220 miles; total, 52,077 miles; Outside Districts (main roads only), 565 miles; Grand total, 52,642 miles. Lengths of main roads within district council and corporation boundaries aggregated 7,556 miles.
- (iii) State Highways and Local Government Department. (a) General. The Department's programme for the acquisition of land for road improvement in the metropolitan and rural areas was continued during 1949-50, when approximately 14,000 linear feet of frontages in the metropolitan area were acquired and set back. This brought the total acquisition since the inception of the metropolitan widening scheme to 41,000 linear feet. In rural areas the policy of widening roads and improving the alignments was continued in order to provide for an expected future increase in the volume of traffic.

Construction and reconstruction works on main roads were carried out in the following areas:—Northern and Eyre Peninsula, Mid-Northern, Central, Metropolitan, Murray Lands, Upper South-Eastern and Lower South-Eastern. In other areas local authorities carried out the works under departmental supervision.

(b) Receipts and Payments. The following table shows particulars of receipts and payments, during the years 1938-39 and 1946-47 to 1949-50, of funds controlled by the Highways and Local Government Department. Wholly comparable figures for 1938-39 are not available.

HIGHWAYS AND LOCAL GOVERNMENT DEPARTMENT, SOUTH AUSTRALIA: RECEIPTS AND PAYMENTS.

(£.) Item. 1938-39. 1947-48. 1948-49. 1949-50. (a)RECEIPTS. Motor Vehicle Registration, Licences, Fees, Fines, etc. 690,849 681,573 718,951 1,010,539 1,144,454 Commonwealth and Federal Aid 526,686 769,807 Roads and Works Acts 479,922 637.520 1,009,574 Loans from State Government .200,000 100,000 Recoups—Local and Semi-2,827 11,642 4,646 governmental Authorities 19,779 Other 68,261 9,373 115,386 32,434 1,220,459 1,508.684 1,860,249 2,274,060 Total .. 1,372,302

(a) Figures for 1938-39 are not completely comparable with those for following years.

HIGHWAYS AND LOCAL GOVERNMENT DEPARTMENT, SOUTH AUSTRALIA:
RECEIPTS AND PAYMENTS—continued.

(£.)

Item. 1938-39. 1946-47. 1947-48. 1948-49. 1949-50.

PAYMENTS. Construction and Reconstruction of Roads and Bridges 387,264 524,507 606,615,1,018,157 1,150,082 Maintenance 145,066 168,003 221,730 298,550 Purchase of Road Construction Plant, etc. .. (b) (b) 120,155 145,179 71,435. Recoups to Consolidated Revenue Fund-Interest, Sinking Fund and Exchange 178,273 171,142 158,803 141,783 Grants and Advances to Local and Semi-governmental Authorities 318,222 621,553 670,686 750,043 Administration 90,810 57,362 69,848 100,938 Stores, Machinery. Suspense 227,167 Accounts, etc. 126,713 Other 3,951 2,261 12,960 1,791 1,871,060 2,520,579 Total .. 1,308,014 1,374,108 1,700,417

(a) Figures for 1938-39 are not completely comparable with those for following years. (b) Not separately available; included elsewhere. (c) Interest and sinking fund payments.

The total expenditure, both revenue and loan, by State and local governments on roads, streets and bridges in South Australia during the years 1938-39 and 1946-47 to 1949-50 was, respectively, £1,966,000, £1,930,000, £2,341,000, £2,605,000 and £3,058,000.

- 6. Western Australia.—(i) General. Under the Main Roads Act 1930-1939 the Main Roads Board previously existing was abolished and a Commissioner of Main Roads was appointed. His duties relate to the determination of main roads after consideration of the funds available and the services to be rendered by the roads, the declaration and provision of developmental roads, the construction and maintenance of main roads, and the carrying out of surveys, investigations and experiments connected with roads and road materials. The Act authorizes two trust accounts (Main Roads Trust Account and Main Roads Contribution Trust Account) to record the moneys prescribed as available to the Commissioner for expenditure associated with roads, etc. In addition, the Commissioner operates on those Trust Accounts which are used for funds made available under the Federal and Commonwealth Aid Roads and Works Acts.
- (ii) Length of Roads and Streets. The total known length of streets and roads in existence in the various municipalities at 31st October, 1950, and in road districts at 30th June, 1950, was as follows:—Concrete, 4 miles; bituminous, 3,642 miles; granite, limestone, etc., waterbound, 280 miles; gravel waterbound, 9,358 miles; other constructed surfaces, 2,711 miles; formed only, 28,334 miles; unprepared, 31,916 miles (incomplete); total, 76,245 miles.

The lengths of declared roads at 30th June, 1950, were:—Main roads, 3,154 miles; developmental roads, 12,819 miles; other classified roads, 24 miles; total, 15,997 miles. No new main roads were declared during the years 1948-49 and 1949-50.

- (iii) Main Roads Department. During the year 1949-50 (1948-49 in parentheses) the activities of the Department included:—clearing, 778 miles (962 miles); forming, 1,016 miles (1,269 miles); gravelling, 613 miles (693 miles); metalling, 1 mile (6 miles); reconditioning, 1,707 miles (2,514 miles); sanding, 56 miles (80 miles); side drains, 55 miles (92 miles). In addition, lengths of tar and bitumen work performed aggregated 296 miles (287 miles.) Bridges constructed numbered 20 (14). Work progressed on the causeway over the Swan River which involves the construction of two bridges. During 1949-50, construction was confined mainly to the Victoria Park end bridge where the pier system was almost completed. Work on the superstructure was commenced. During the year the construction of the Marble Bar-Port Hedland Road was commenced and a proposed route between Wyndham and Nicholson surveyed.
- (iv) Receipts and Payments—Combined Road Funds. The following table shows the combined transactions of the Main Roads Trust Account, the Main Roads Contributions Trust Account, the Metropolitan Traffic Trust Account, the Transport Co-ordination Trust Account (up to the end of 1946-47) and the Federal and Commonwealth Aid Roads and Works Trust Accounts during the years ended 30th June, 1939 and 1947 to 1950.

ROAD FUNDS, WESTERN AUSTRALIA: RECEIPTS AND PAYMENTS.

(£.)

Item.	1938-39. (a)	1946–47.	1947-48. (b)	1948-49. (b)	1949- 50. (b)
	RECEIR	TS.			
Motor Vehicle Registration, Licences, Fees, Fines, etc Federal and Commonwealth Aid	218,962	221,010	354,946	303,838	346,246
Roads and Works Acts Recoups from Local Authorities,	823,162	893.401	1,098,758	1,404,448	1,740,482
	} 1,958	{ 16,667 7,575	15,529 51,315	18,810 6	110,370 29
Total	1,044,082	1,138,653	1,520,548	1,727,102	2,197,127
	PAYME	NTS.			
Construction and Reconstruction of Roads and Bridges Maintenance	} 922,756	{ 541,377 97,436	920,255 109,936 39,821	1,256,351 137,061	
Other Works	 143,544		54,840		••
Revenue		37,739	67,003	59,234	67,711
Revenue Administration, Plant, etc Other	7,616 52,176 19,181	71,077	36,469		8,842 38,380
Total	1,145,273	911,461	1,377,715	1,709,625	1,986,772

⁽a) Figures not completely comparable with those for following years. Co-ordination Trust Account.

⁽b) Excludes Transport

- 7. Tasmania.—(i) General. Under the Transport Act 1938, which came into operation on 1st July, 1939, the Transport Commission was constituted to co-ordinate, regulate, control, and improve the means of, and facilities for, transport by road, rail or air within the State. Revenues at its disposal for road and motor traffic purposes are the Federal and Commonwealth Aid Roads and Works Grants, motor vehicle registration fees and tax, 1944, which provides for the classification of the whole of the roads of the State so that they will be adequately and efficiently maintained, the cost of maintenance of roads classified as State highways, tourist roads and developmental roads is borne by the Transport Commission. It is also responsible for a proportion of the cost of maintenance of main and secondary roads. Municipal councils bear the cost of maintaining country roads and a proportion of the cost of main and secondary roads, except in special cases. The cost of construction of roads and bridges in Tasmania is borne almost entirely by the State Government. The expenditure of the Public Works Department (the construction and maintenance authority for the Transport Commission) during 1949-50 on roads, tracks and bridges amounted to £907,021, of which £763,507 was charged to road funds, £67,000 to revenue, £76,328 to loan and £186 to Crown lands funds.
- (ii) Length of Roads. (a) Classified Roads. The mileages of classified roads in Tasmania at 30th June, 1950 were as follows:—State highways, 1,165 miles; main roads, 660 miles; secondary roads, 189 miles; tourist roads, 46 miles; developmental roads, 49 miles; subsidized roads, 78 miles; total 2,187 miles. Country roads totalled more than 10,000 miles. The mileages of sealed roads, and their proportions to the respective totals, were:—State highways, 545 miles (47 per cent.); main roads, 148 miles (22 per cent.); secondary roads, 9 miles (5 per cent.); total, 702 miles (32 per cent. of all classified roads, and 6 per cent. of all roads, in Tasmania).
- (b) Composition of Roads. The length of all roads in Tasmania, including those with surfaces of lower grade, at 30th June, 1951 was as follows:—Sheet asphalt on concrete base, 1 mile; other bituminous, 914 miles; concrete, 8 miles; granite, limestone, etc., waterbound, 8,559 miles; surfaces of lower grade, 2,787 miles; total 12,269 miles.
- (iii) Transport Commission. The principal construction work carried out during 1949-50 was the completion of the North-South Bruny Road which effectively linked for the first time the northern and southern halves of Bruny Island. Expenditure from loans from the State Treasury amounting to £23,163 was incurred for this project. An amount of £112,966 was spent on the resealing of classified roads, as compared with £100,476 in 1948-49 and £181,806 in 1947-48.

(iv) Receipts and Payments—Combined Road Funds. The table hereunder shows particulars of the receipts and payments of combined Road Funds and Federal and Commonwealth Aid Roads and Works Funds under the control of the Transport Commission for the years 1939–40 and 1946–47 to 1949–50:—

ROAD FUNDS, TASMANIA: RECEIPTS AND PAYMENTS.

Item.	1939-40.	1946-47.	1947-48.	1948-49.	1949-50.
	RECEIP	TS.			
Motor Vehicle Taxation and Registration, Licences, Fees, Fines, etc.	193,165	241,438	264,780	297,503	; 327,475
Federal and Commonwealth Aid	1 193,103	241,430	1	-9/,503	3~/ ,4 /.
Roads and Works Acts Recoups from Local Authorities,	220,241	232,944	286,158	348,733	450,930
etc	! !	7,365	8,660	9,636	
State Loan Fund	! !		28,795	66,399	
Other	719	30,448	37,470	110,716	(b) 417,38
Total	414,125	512,195	625,863	832,987	1,265,44
	PAYMEN	TTS.			
Construction and Reconstruction		1	1	-	
of Roads and Bridges	127,929	284,283	379,050	268,998	219,118
Maintenance	113,199	257,145	254,05€	270,102	
Jetties, etc	22,467.	4,658	4,682	10,415	
Other Road Works	2,995	า "ั้	23,724	53,265	
Other works connected with		13,589	₹	00. 0	
Transport	5,748)	13,163	18,060	20,98
Frants to Local Authorities, etc.		6,451	258	325	2,03
Administration	15,053	47,836	52,199	55,659	67,72
Other	31,894	58,720	54,572	195,394	l(c) 383,96
Total	319,285	672,682	781,704		1,253,99

⁽a) First year of operation of Transport Commission. Figures not completely comparable with those for following years. (b) Includes £237,899 hire of plant. (c) Includes £192,619 hire and maintenance of road construction plant, etc.

⁽v) Hobart Bridge. Under the Hobart Bridge (Acquisition and Administration) Act 1944 the Transport Commission is responsible for the administration, control and management of the Hobart Bridge and transport services. Tolls on the Hobart Bridge were abolished as from 31st December, 1948.

^{8.} Summary of Roads used for General Traffic.—(i) Proclaimed or Declared Roads. The table hereunder is a summary of the roads proclaimed or declared under the Acts of the several States relative to the operations of the central road authorities, and shows the lengths of various classes proclaimed or declared as at 30th June, 1950. These proclaimed or declared roads are those for which the central road authority assumes responsibility under the Act for the whole, or a proportion, of the cost of construction and/or maintenance, the extent varying from State to State and with the class and locality of the roads. Before proclamation of a main road, the following points are, in general, amongst the more important of those to be considered:—(a) the funds available or likely

to be available for main roads; (b) whether the road is, or will be, the main trunk route connecting any large producing district with its market or point of shipment; (c) whether the road is, or will be, the main trunk route of intercommunication between two or more such districts or between two or more large centres of population; (d) whether the road is, or will be, the main trunk route between the capital of the State and any large producing district or any large centre of population; (e) whether the road is, or will be, the main trunk route between the capitals of two or more States; (f) whether the district concerned is, or will be, sufficiently served by railways. Provision is also made in some States for the declaration of roads other than main. The absence of a particular class from the following data for any State does not necessarily imply that there are no roads within that State that might be so classified; the classes are restricted only to roads proclaimed or declared under the Acts. A further point to make is that, through various causes, e.g. insufficiency of funds, manpower or materials, etc.—construction or maintenance may not keep pace with gazettals of mileages, and that therefore the condition of a road may not match its status.

PROCLAIMED OR DECLARED ROADS: LENGTHS, 30th JUNE, 1950.
(Miles.)

Class of Road	1.	n.s.w.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Total.
State highways Trunk roads Ordinary main roads		6,513 4,031 12,628	3,849	7,610. 10,876{	8,122	3,154	} 1,165 660	68,318
Total Main Roads		23,172	13,559	18,486	8,122	3,154	. 1,825	68,318
Secondary roads Developmental roads Tourist roads Other roads		68 2,783	(b) 342	627 245 285 (c) 964	: : : :	12,819 24	189 49 46 (d) 78	884 15,896 733 1,408
Total Other Roads		2,851	744	2,121		12,843	362	18,921
Grand Total		26,023	14,303	20,607	8,122	15,997	2,187	87,239

⁽a) At 30th June, 1948. (b) Forest roads. farmers' roads, 276 miles; tourist tracks, 2 miles.

(ii) Composition of Roads. The following table represents an attempt to classify all the roads used for general traffic in Australia, at the latest dates available, according to States and Territories and to certain broad composition groups. The results are not entirely satisfactory, (i) because it is doubtful whether the whole of Australia is covered, (ii) because the dates of reference differ, and (iii) because the figures constituting each group are not wholly comparable for the States and Territories. It is hoped, however, despite these defects, that the table will provide an approximate and general idea of the main types of roads in Australia.

The data in the table for the States are obtained from the State Government Statisticians, and are derived mainly from local government sources. Unincorporated areas in some States are probably excluded and the figures on the returns supplied by the local government authorities are in some cases of doubtful accuracy. Details of the composition of roads, as far as they are available, vary to such an extent that it was considered preferable to show here only major divisions.

⁽c) Includes mining access roads, 686 miles; (d) Subsidized roads.

Groups 1-4 as shown in the table include, respectively, the following types of composition:—

- I. Wood or Stone. Wood blocks; stone paved.
- Concrete. Cement concrete; asphaltic concrete; bituminous concrete; sheet asphalt on concrete base.
- 3. Bituminous. Tar or bituminous macadam; tar and bituminous surface seal; surfaced water-bound macadam or gravel; bituminous or cement penetration
- 4. Macadam and Other. Water-bound macadam; granite, limestone, and blast-furnace slag, water-bound; gravel water-bound; gravel or crushed rock; metalled (gravel or rubble); gravel, sand and hard loam pavements.

Groups 5 and 6 include roads so-called mainly because they are used for general traffic, irrespective of their surfaces, prepared or otherwise.

It will be noticed that some of the terms used above are practically synonymous. Such terms are, of course, not used by any one State, but are the classifications adopted by different States.

For details of any particular State, see the respective paragraphs in the preceding pages.

ALL ROADS USED FOR GENERAL TRAFFIC: LENGTHS.
(Miles.)

				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Composition of Road.	N.S.W.	Vic. 30th Sept., 1948.	Q'land. 30th June, 1950.	S. Aust. 30th June, 1948.	W. Aust.	Tas. 30th June, 1951.	N. Terr.	A.C.T. 30th June, 1951.	Total.
r. Wood or stone 2. Concrete 3. Bituminous 4. Macadam and other 5. Formed only 6. Cleared, or natural sur- face, only .	581 8,027 34,060 27,454 56,150	62 352 10,241 28,418 23,901 38,437	90 4,113 9,288 44,977 76,107	8 395 4,283 13,429 9,307 25,220		9 914 8,559 (b) 994 (b) 1,793	1,287 213 5,982 2,316		70 1,434 32,650 106,437 141,152
Total	126,272	101,411	134,575	52,642	76,245	12,269	9,798	470	513,682

⁽a) Municipalities, 31st October and Road Districts, 30th June.

It will be seen from the foregoing table that a little more than one-quarter of the road lengths of Australia has actually been constructed, the remainder, for the greater part, being in little more than the natural state. The percentages for each group are as follows:—Group 1, 0.01; Group 2, 0.28; Group 3, 6.36; Group 4, 20.72; Group 5, 27.48; Group 6, 45.15. The percentage of constructed lengths to total length in each State is as follows:—New South Wales, 33; Victoria, 39; Queensland, 10; South Australia, 34; Western Australia, 21; Tasmania, 77; Northern Territory, 15; Australian Capital Territory, 57. Comparisons between the States should be made with caution, however, because, in addition to the defects enumerated at the beginning of this section, factors such as the area, physiography, density and distribution of population, nature of economic activity, other facilities for transport, etc., in each State must be taken into account.

9. Summary of Expenditure on Roads and Bridges.—(i) General. Figures showing the total expenditure on roads and bridges in all States are not available. Such totals are very difficult to obtain, not only because of the number of States, but also because of the number of authorities concerned. In most States there are three classes of authorities—the State Government, the central road authority, and the numerous local government bodies. Both State Government and local government bodies operate

⁽b) Estimated dissection.

through revenue and loan funds, and payments may be made by the State Government direct from either fund, or through the funds of other authorities. The expenditure of the central road authority may also be direct or indirect. Consequently the problem of duplication caused by inter-fund payments arises. On the other hand, some expenditure may be omitted because separate particulars are not available. Ignorance of the precise nature of items may cause either incorrect inclusion or omission. To produce accurate figures would entail more research than at present can be undertaken.

The two paragraphs following therefore represent only: (i) aggregate expenditure from the various State road funds referred to in the foregoing pages, and (ii) loan fund expenditure by State Governments. No direct expenditure by local government bodies is included. Sub-section 2. Finances, of § 2. Local Government Authorities, contains some particulars of local government revenue and expenditure in connexion with roads, streets and bridges (see pages 651 and 654).

(ii) Aggregate Expenditure from State Road Funds. The following table shows the expenditure on the construction and maintenance of roads, including payments to local government bodies, by each State during the years 1938-39 and 1945-46 to 1949-50, as summarized from the foregoing sections. Expenditure on administration, debt charges, Commonwealth defence works, payments to State consolidated revenues, and on plant and materials is not included. In some instances expenditure on works other than roads and bridges is included. Figures are not completely comparable as between States, and, in some States, as from year to year.

ROADS AND BRIDGES: AGGREGATE EXPENDITURE FROM ROAD FUNDS. (£'000.)

Year e 30th Ju		N.S.W. (a)	Victoria.	Q'land.	S. Aust.	W. Aust.	Tasmania.	Total.
1939 1946		3,257 2,373	2,099 1,071	2,405 1,341	692 605 851	1,067 433	(b) 272 331	9,792 6,154
1947 1948 1949		3,305 3,886 4,224	1,976 3,113 2,601	2,613 3,039 2,706	1,314 1,499	791 1,212 1,614	566 675 621	10,102 13,239 13,265
1950	••	5,160	3,143	3,210	2,067	1,872	802	16,254

(a) Excludes Sydney Harbour Bridge.

(b) Year 1939-40.

The foregoing particulars do not represent the total expenditure on roads and bridges in each State. To obtain such information additions must be made on account of (i) State Government expenditure from revenue and loan, and (ii) local government expenditure from revenue and loan, while, on the other hand, allowances must be made for inter-fund payments. (See par. (i) above.)

(iii) State Net Loan Expenditure. In recent years, expenditure from State loan funds on roads and bridges has not been large, and it would appear, also, that a considerable proportion passes through the funds of the central road authorities and is therefore included in the figures on their financial operations in the foregoing sections, while, on the other hand, it must be supplemented by expenditure from State revenue. Gross loan expenditure by all State Governments during each of the years 1948-49 and 1949-50 amounted to more than £1,000,000, and net expenditure to considerably less. Aggregate net loan expenditure on roads and bridges in each State to 30th June, 1950 amounted to the following approximate sums:—New South Wales, £21,000,000; Victoria, £13,000,000; Queensland, £8,000,000; South Australia, £4,000,000; Western Australia, £3,000,000; Tasmania, £6,000,000; total, £55,000,000.

§ 5. Water Supply, Sewerage and Drainage.

Note.—See also Chapter XXVI.—Water Conservation and Irrigation.

- 1. New South Wales.—(i) General. The largest two domestic water supply and sewerage systems are controlled by statutory boards each consisting of a president and a vice-president appointed by the State Government and five members elected by local councils. These are (a) the Metropolitan Water, Sewerage and Drainage Board, which administers the systems in the County of Cumberland, i.e., in Sydney and in the surrounding districts, and, in addition, has jurisdiction over territory extending along the South Coast beyond Wollongong to Lake Illawarra, and (b) the Hunter District Water Board, serving the Newcastle area. At Broken Hill a similar board includes a representative of the mining companies. Other systems, apart from irrigation projects and water storage systems administered by the State Government, are controlled by county, municipal and shire councils.
- (ii) Water Supply—to 30th June,1950. (a) Metropolitan. The storage reservoirs of the metropolitan system, with a combined available capacity of 125,144 million gallons, drain catchment areas of 376 square miles (Upper Nepean, 347 square miles and Woronora, 29 square miles). Water is drawn also from the Warragamba River, with a catchment of 3,383 square miles. This system is being developed, and building has commenced on a dam to have an overall height of 415 feet (greatest depth of water 343 feet), giving a safe draught of 263 million gallons per day. The existing temporary storage is supplied by a weir 50 feet high with a maximum storage of 579 million gallons. At 30th June, 1950 there were 95 service reservoirs in use with a combined capacity of 541.3 million gallons. Rating for water for 1949–50 was 9½d. in the £1 of assessed annual value and the charge for water measured by meters 1s. 6d. per 1,000 gallons.
- (b) Newcastle. The water supply is drawn from two sources (1) the Chichester Reservoir, with a storage capacity of about 5,000 million gallons and draining a catchment of 76 square miles, and (2) the Tomago Sandbeds, which extend northerly along the coast towards Port Stephens. Service reservoirs and tanks distributed throughout the Water Supply District have a total storage capacity of 106 million gallons. Water rating for 1949-50 was 1s. 3d. in the £1 on assessed annual value. The price of water to domestic and industrial consumers is 1s. 6d. per 1,000 gallons.
- (c) Water Supplied, etc. The following tables show, for the Sydney and Newcastle systems, the number of properties, the estimated population supplied, and other details for the years 1938-39 and 1945-46 to 1949-50:—

WATER SUPPLY, SYDNEY(a): SERVICES.

		Improved			Total		e Daily		
Year.		Properties for which Water Main available.	mated Popu- lation	Average Daily Con- sumption.	Con- sumption for the Year.	Per Pro- perty.	Per Head of Esti- mated Popu- lation.	Length of Mains.	Number of Meters.
		No.		Mill. gals.	Mill. gals.	Gallons.	Gallons.	Miles.	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50	••	350,161 378,277 387,980 400,615 414,893 428,392	1,466,000 1,628,000 1,718,000 1,774,000 1,800,000 1,870,000	121.7 131.2 122.1 131.3	38,790 44,437 47,874 44,682 47,925 47,735	304 322 338 305 316 305	72.5 74.8 77.1 69.6 73.5 72.1	4,539 4,657 4,743 4,817 4,894 4,993	126,754 153,211 160,169 170,124 182,566 196,121

(a) Includes part of South Coast.

WATER SUPPLY, NEWCASTLE: SERVICES.

			Esti-				e Daily		
Year.		 Pro- perties Popu- Supplied. Intion Supplied		Average Daily Supply.	Total Supply for Year.	Per Pro- perty.	Per Head of Esti- mated Popu- lation.	Length of Mains.	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50	:: :: ::	 No	193,480 223,650 231,600 241,036 247,992	Mill. gals. 11.9 17.6 18.9 18.5 19.0	Mill. gals. 4,331 6,413 6,900 6,774 6,951 7,176	Gallons. 245 319 333 316 310 311	Gallons. 61.3 80.1 83.9 79.9 79.0 79.3	Miles. 936 1,098 1,134 1,169 1,202 1,215	

(iii) Sewerage and Drainage—to 30th June, 1950. (a) Metropolitan. The Sydney sewerage system consists mainly of outfall systems discharging into the Pacific Ocean. At 30th June, 1950 there were six outfalls and six treatment works, serving a population of 1,306,000 over a length of sewers of 2,899 miles.

Stormwater drainage channels under the Metropolitan Water, Sewerage and Drainage Board's control at the same date were 154 miles long. Sewerage rating for 1949-50 was 9\frac{3}{4}d. in the £1 of assessed annual value and drainage from \frac{1}{4}d. to 3d.

(b) Newcastle. The main sewerage system of the Newcastle area discharges into the Pacific Ocean at Merewether Gulf. In some of the outlying districts treatment works have been installed.

Sewerage rates for 1949-50 were is. 3d. in the £1 of assessed annual value and drainage rates (on certain areas served) 2d. in the £1.

(c) Particulars of Services. The following table supplies, for the Sydney system, details of sewerage services and stormwater drains as at 30th June, 1939 and 1946 to 1950.

SEWERAGE AND DRAINAGE, SYDNEY(a): SERVICES.

	16 17 ·· · · ·			Improved Properties for which Sewer Available.	Estimated Population Served.	Total Sewage Pumped for the Year.	Length of Sewers.	Length of Storm- water Channels.
				No.		Mill. gals.	Miles.	Miles.
1939				254,632	1,066,000	8,299	2,561	87
1946				283,364	1,161,000	9,439	2,780	99
1947				287,098	1,198,000	9,604	2,805	117
1948				291,069	1,263,000	9,894	2,829	129
1949			• •	294,822	1,282,000	10,621	2,855	153
1950			• •	298,996	1,306,000	12,200	2,899	154

(a) Includes part of South Coast.

At 30th June, 1950 (at 30th June, 1949 in parentheses) 44,168 (42,838) premises had been connected to the Hunter District Water Board's sewerage system (Newcastle area). The total length of sewers under the Board's control was 608 (601) miles, and the length of drains over 24 inches diameter was 38 (38) miles.

(iv) Finances, Sydney and Newcastle Systems. (a) Details, 1948-49 and 1949-50. The following statement shows the debt, revenue and expenditure on account of the services of water supply, sewerage and drainage by the Metropolitan Water, Sewerage and Drainage Board and the Hunter District Water Board during 1948-49 and 1949-50.

WATER SUPPLY, SEWERAGE AND DRAINAGE, SYDNEY(a) AND NEWCASTLE: FINANCES, 1948-49 AND 1949-50.

(£.)

Comples				Expen	diture.	S
Service.	Capital Debt.	Revenue.	Working Expenses. (b)	Interest and Exchange.	Sinking Fund and Loan Re- payment.	Surplus(+) or Deficit(-).

1948-49.

Sydney (a)— Water Sewerage Drainage		35,302,110 18,561,111 (c) 933,680	1,601,343	1,351,349 809,284 38,526	1,263,048 723,568 38,779	261,209 136,609 5,647	2,875,606 1,669,461 82,952	+++	2,417 21,882 994
Total		54,796,901	4,653,312	2,199,159	2,025,395	403,465	4,628,019	+	25,293
Newcastle— Water Sewerage Drainage	••	4,946,032 2,449,838 134,007		210, 615 106,245 8,797	178,785 94,262 4,832	31,990 14.845 976	421,390 215,352 14,605	+ -+	459 3,207 270
Total		7,529,877	648,869	325,657	277,879	47,811	651,347	-	2,478

1949-50.

Sydney (a)— Water Sewerage Drainage	••	38,687,480 20,212,977 c 1,017,960	3,141,905 1,793,660 116,311	1,525,602 903,281 59,740	1,325,696 729,127 38,067	286,152 143,763 5,745	3,137,450 1,776,171 103,552	+++	4,455 17,489 12,759
Total		59,918,417	5,051,876	2,488,623	2,092,890	435,660	5,017,173	+	34,703
Newcastle— Water Sewerage Drainage	::	5,155,670 2,507,941 143,955	447,212 232,349 15,985	228,420 121,377 9,712	184,539 • 95,599 5,007	34,058 15,624 1,084	447,017 232,600 15,803	+-+	195 251 183
Total		7,807,566	695,547	359,509	285,145	50,766	695,420	+	127

⁽a) Includes part of South Coast. (b) Includes provision for renewals, long service leave, loss on exchange, etc. (c) Excludes non-interest bearing capital in respect of stormwater drains transferred from Public Works Department—£1,906,217 at 30th June, 1949, and £1,875,341 at 30th June, 2940, and £1,875,341 at 30th June, 2940, a

⁽b) Summary, 1938-39 and 1945-46 to 1949-50. The following table shows the total debt, revenue and expenditure on account of the combined services of water supply, sewerage and drainage by the Metropolitan Water, Sewerage and Drainage Board and the Hunter District Water Board for the years 1938-39 and 1945-46 to 1949-50

599

13,205

25,293

WATER SUPPLY, SEWERAGE AND DRAINAGE, SYDNEY AND NEWCASTLE: FINANCES.

					(£.)				
Year.		Capital Revenu		Working Expenses.	Interest and Exchange.	Sinking Fund and Loan Re- payment.	Total.	Surplus(+) or Deficit(-).	
					Sydney				
1938-39 1945-46			43,769,741 47,124,380	2,926,694 3,852,167	957,422 1,611,108	1,727,708 1,887,256	241,564 343,034	2,926,694 3,841,398	+ 10,769

NEWCASTLE.

1,763,014

1,847,321

2,199,159

1,917,607

1,962,324

350,352

375,936

403,465

4,030,973 4,185,581

4,628,019

48,786,655

51,185,095

54,796,901

59,918,417

4,031,572 4,198,786

4,653,312

Note. -- See footnotes to previous table.

- (v) Country Water Supply and Sewerage Systems. At 31st December, 1947, country water supply services were conducted or under construction by 72 municipalities, 45 shires and 4 country councils, and country sewerage services by 52 municipalities and 12 shires. The capital indebtedness of these schemes was £7,475,597 at 31st December, 1947, namely, £4,772,662 for water and £2,702,935 for sewerage. Of the foregoing amounts, Government advances amounted to £570,523. Debt of the municipalities amounted to £5,451,053, shires to £1,017,339 and country councils to £1,007,205. Aggregate income and expenditure, respectively, amounted to £1,018,671 and £899,588 in 1947, and to £1,000,152 and £852,687 during 1946.
- (vi) Other Water Supply and Sewerage Systems. The water supply and sewerage services for Broken Hill are operated by a statutory board, the Broken Hill Water Board. Its capital indebtedness at 31st December, 1950 was £1,094,776. Income and expenditure, respectively, were £117,977 and £134,482 for 1950 and £98,484 and £119,822 for 1949.

The following country water supply systems—South-West Tablelands, Junee and Fish River—are administered by the Department of Public Works. These supply water in bulk to municipalities and shires, the Railways Department, and other large consumers; only a small quantity is sold directly to private consumers. The capital indebtedness of these systems was £2,418,508 at 31st December, 1950.

There are also the Mulwala Water Supply and Sewerage Service constructed as an urgent war-time work for the Commonwealth, and the Bethungra Water Supply System administered by the Department of Public Works in conjunction with the Junee supply.

2. Victoria.—(i) Melbourne and Metropolitan Board of Works—to 30th June, 1950.
(a) General. The metropolis, for water supply, sewerage and drainage and river improvement purposes, comprises all that land within a radius of 13 miles of the Post Office at

the corner of Bourke and Elizabeth-streets, Melbourne, and the remaining portions of the Cities of Moorabbin, Mordialloc, and Nunawading and the shire of Mulgrave and certain portions of the remainder of the Shires of Eltham, Doncaster and Templestowe, and Dandenong, but excludes a portion of the Shire of Werribee within such radius. This territory has an area of 450 square miles and comprises 27 cities and one shire and parts of one other city and 9 other shires. The Board comprises 48 members, including the chairman, who is elected every four years by the other members. These members, or commissioners, are from time to time elected by the councils of the municipal districts wholly or partly within the metropolis. The principal functions of the Board are to control and manage the metropolitan water supply system; to provide the metropolis with an efficient system of main and general sewerage; to deal with main drains and main drainage works; and to control and manage the rivers, creeks and watercourses within the metropolis.

(b) Water Supply. There are five storage reservoirs serving the metropolitan area—Yan Yean, 7,234 million gallons (available for consumption, 6,605 million gallons); Toorourrong, 60 million gallons; Maroondah, 6,274 million gallons (4,855 million gallons); O'Shannassy, 930 million gallons; Silvan, 8,853 million gallons (8,823 million gallons); total 23,351 million gallons (21,273 million gallons). Service reservoirs number 25, with a total capacity of 262 million gallons. Two new projects are under construction. One is a 23-mile conduit to carry water from the Upper Yarra catchment to the Silvan Reservoir and its estimated cost is £2,697,000. Up to 30th June, 1950, about one-third of the length of the pipe-line had been laid. The other project, approved by the Board in 1946, consists of a dam which will impound 30,000 million gallons of water, on the River Yarra, immediately upstream from the confluence of the Yarra and Doctors Creek, and work on the project is proceeding. In 1950 it was estimated to cost £7,800,000.

The water rate levied by the Board in 1949-50 was 7d. in the £1 on the net annual value of the property served, and there was a charge of 1s. per 1,000 gallons of water supplied by meter. From 1st July, 1950, the charge for water supplied by measure in excess of the quantity which, at 1s. per 1,000 gallons, would produce an amount equal to the water rate payable on the property, was increased from 1s. to 1s. 3d. The following table shows particulars of Melbourne metropolitan water supply services for the years 1938-39 and 1945-46 to 1949-50.

WATER SUPPLY, MELBOURNE: SERVICES.

· .		Esti-			Averag Consur	e Daily	Length of Aque- ducts, etc., Mains and Reticu- lation.	Number of Meters.
Year.	Number of Houses Supplied.	mated Popu- lation Supplied.	Average Daily Con- sumption.	Total Con- sumption for the Year.	Per House.	Per Head of Esti- mated Popu- lation.		
			Mill. gals.	Mill. gals.	Gallons.	Gallons.	Miles.	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50	285,408 308,731 312,735 320,798 328,843 342,742	1,133,000 1,226,000 1,242,000 1,275,000 1,307,000 1,363,000	66.9 78.4 87.9 91.9 93.9 91.7	24,408 28,611 32,092 33,651 34,280 33,458	234 254 281 287 286 267	59.0 64.0 70.8 72.1 71.9 67.3	3,234 3,539 3,594 3,691 3,771 3,875	189,617 216,373 218,744 220,992 224,352 229,238

⁽c) Sewerage and Drainage. Particulars of sewerage and drainage services for 1938-39 and 1945-46 to 1949-50 are shown below. The rate levied in 1949-50 in respect of sewerage was 1s. in the £1 on the net annual value of the property served. The drainage rate was 1d. in the £1.

SEWERAGE	AND	DRAINAGE	MELBOURNE:	SERVICES
3LWERAUL	AIND	DIKAINAGE.	miscoverius.	SLIK VIVLS.

		Number of	Esti- mated	į	. Total		e Daily ping.	T 13	
Year.		Houses for which Sewers are Provided	Population for which Sewers are Provided.	Average Daily Pumping.	Sewage Pumped	Per House.	Per Head of Esti- mated Popu- lation.	Length of Sewers, etc.	Length of Main Drains.
			!	Mill. gals.	Mill. gals.	Gallons.	Gallons.	Miles.	Miles.
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50		269,411 291,536 294,343 302,433 308,772 320,006	1,070,000 1,157,000 1,169,000 1,202,000 1,228,000 1,272,000	56.4 59.1 61.6 62.5	17,601 20,582 21,570 22,551 22,801 24,251	179.0 193.5 200.8 203.8 202.4 207.5	45.1 48.7 50.6 51.3 50.9 52.2	2,586 2,749 2,773 2,814 2,844 2,880	97 115 117 122 125 126

The metropolitan sewerage system consists of the Main system (serving an area of 67,433 acres) and three subsidiary systems—the Sunshine system (serving an area of 941 acres in the Shire of Braybrook, including the township of Sunshine), the Kew system (serving an area of 103 acres in Kew) and the South-eastern system (serving an area of 2,292 acres in Cheltenham, Parkdale, Mentone and Mordialloc). The Metropolitan Sewage Farm, 26,056 acres in extent and situated about 24 miles south-west of Melbourne beyond the township of Werribee, serves to purify and dispose of approximately 95 per cent. of the sewage flow of the metropolis before its discharge into Port Phillip Bay. The total capital cost (less depreciation) to 30th June, 1950 was £1,885,231. Revenue during 1949–50 (1948–49 in parentheses) amounted to £79,166 (£77,690), cost of sewage disposal £99,413 (£95,749), trading expenses £66,690 (£58,469), interest £67,901 (£63,661), and net cost of sewage purification £154,838 (£140,189). These financial particulars are included in the sewerago items of the summary below.

At 30th June, 1950, the Melbourne and Metropolitan Board of Works had 126 miles of main drains under its control—105 miles of underground, 12 miles of constructed open drains, and 9 miles of natural watercourses and unlined open drains.

(d) Finances—Details, 1948-49 and 1949-50. The following table provides a summary, for the years 1948-49 and 1949-50, of the financial operations of the three services conducted by the Melbourne and Metropolitan Board of Works:—

MELBOURNE AND METROPOLITAN BOARD OF WORKS: FINANCES, 1948-49
AND 1949-50.

				. (2.)			· · · · · · · · · · · · · · · · · · ·	
Service, etc.			•					
		Capital Cost. (a)	Revenue.	Working Expenses, etc.	expenses, and Euro		Total.	Surplus (+) or Deficit(-).
		<u>'</u>		1948-49			,	
Water Sewerage Drainage General(b)		15,492,433 16,710,110 2,110,044	1,294,558 1,307,373 111,995	686,301 509,888 25,801 210,737	568,151 627,423 64,169 9,000	69,840	1,254,452 1,137,311 89,970 289,577	+ 40,106 + 170,062 + 22,025 - 289,577
Total		34,312,587	2,713,926	1,432,727	1,268,743	69,840	2,771,310	- 57,384
		'		1949-50	·			<u></u>
Water Sewerage Drainage General(b)	 	16,876,293 17,364,821 2,212,778	1,484,545	791,743 574,962 26,896 223,302	603,068 644,768 67,506 9,000	 73,785	1,394,811 1,219,730 94,402 306,087	- 71,575 + 264,815 + 22,146 - 306,087
Total		36,453,892	2,924,329	1,616,903	1,324,342	73,785	3,015,030	- 90,701

⁽a) Includes depreciation, £395,525. Total loan indebtedness—1948-49, £27,936,165; 1949-50 £29,513,785. (b) Statutory and general expenditure not distributed over Services.

(e) Finances, 1938-39 and 1945-46 to 1949-50. The following table shows the financial operations of the Melbourne and Metropolitan Board of Works (all services combined) for the years 1938-39 and 1945-46 to 1949-50:—

MELBOURNE AND METROPOLITAN BOARD OF WORKS: FINANCES.

(£.)

Capital		014-1			Surplus(+)			
Year.		Cost.	Revenue.	Working Expenses.	Interest and Exchange.	Sinking Fund.	Total.	or Deficit(-).
1938-39 1945-46 1946-47 1947-48 1948-49		27,598,603 30,614,713, 31,443,217 32,749,852 34,312,587 36,453,892	2,309,505 2,389,947 2,521,366 2,713,926	762,558 1,010,713 1,230,293 1,253,728 1,432,727 1,616,903	1,316,603 1,263,123 1,236,099 1,239,372 1,268,743 1,324,342	64,269 64,928 65,090 67,340 69,840 73,785	2,143,430 2,338,764 2,531,482 2,560,440 2,771,310 3,015,030	+ 70,865 - 29,259 - 141,535 - 39,074 - 57,384 - 90,701

- (ii) Geelong Waterworks and Sewerage Trust. (a) General. The Geelong Waterworks and Sewerage Trust was constituted in 1908 and reconstituted under the Geelong Waterworks and Sewerage Act in 1910. It was further reconstituted in September, 1950 to include a Government nominee (Chairman) and provision was made for a commissioner to be elected by the ratepayers of the Shire of Corio, making a total of seven commissioners instead of five as formerly. The amount of loan money which may be raised is limited to £900,000 for water supply undertaking, £760,000 for sewerage undertaking, and £270,000 for sewerage installation to properties under the deferred payment system. The population supplied is estimated by the Trust at 57,800. This and other general information relates to 30th June, 1950.
- (b) Water Supply. The catchment area is about 16,000 acres. There are five storage reservoirs and seven service basins whose total storage capacity is 2,746 million gallons. In addition, the State Rivers and Water Supply Commission has made available a supplementary supply of a minimum quantity of 545 million gallons of water per annum from the Bellarine Peninsula System. The total expenditure on water supply to 30th June, 1950 was £888,167. Expenditure for 1949–50 comprised £37,268 (£34,905 in 1948–49) on working expenses and £45,865 (£43,028 in 1948–49) on interest, sinking fund and reserves, and the revenue for the year 1949–50 was £84,410 (£82,844 in 1948–49). The sinking fund appropriations at June, 1950 amounted to £17,807. The replacement and contingencies reserve amounted to £166,274. There is a water rate of 1s. 3d. in the £1 (with minima of 5s. for unbuilt-on land and £1 for tenements) on the net annual value of ratable properties.
- (c) Sewerage Works. The sewerage scheme consists of a main outfall sewer to the ocean at Black Rock, about 9 miles from Geelong, and 150 miles of main and reticulation sewers. The sewerage area is 9,571 acres, and the number of buildings within the sewered areas is 13,682 of which 13,040 have been connected. The number of buildings within the drainage area is 13,900. The total expenditure to 30th June, 1950 on sewerage works was £674,242, and on the cost of sewerage installation under deferred payment conditions £258,344, of which £515 was outstanding. The revenue in 1949-50 amounted to £55,831 (55,523 in 1948-49) and the expenditure comprised £16,465 (£15,882 in 1948-49) on working expenses and £35,831 (£35,814 in 1948-49) on interest, sinking fund and reserves. Sinking fund appropriations at June, 1950 were £104,838. Replacement and contingencies reserve amounted to £140,899. A general rate of 1s. 3d. in the £1 is levied on the net annual value of ratable properties.

- (iii) The Ballarat Water Commission and the Ballarat Sewerage Authority. (a) General. The Ballarat Water Commission was constituted on 1st July, 1880, and the Ballarat Sewerage Authority on 30th November, 1920. The members of the Water Commission constitute the Sewerage Authority. The Commissioners number seven, three (one of whom is chairman) being appointed by the Government, and four being elected by the Council of the City of Ballarat. General information is as at 31st December, 1949 and financial information is given for the years 1949 and 1950.
- (b) Water Supply. The Water Supply District embraces an area of about 65 square miles, containing a population of about 50,000. The total storage capacity of the six reservoirs is 2,332 million gallons and the catchment area is 17,545 acres.

The capital cost of construction of the waterworks was £1,347,090 to 31st December, 1949. The liabilities are loans due to the Government, amounting to £827,890 at 31st December, 1949. The revenue for the year 1950 was £75,596 (£67,985 in 1949). Working expenses during 1950 amounted to £32,216 (£29,324 in 1949) and interest and other charges to £42,867 (£36,015 in 1949). A rate of 1s. 3d. in the £1 is levied on the net annual value of all ratable properties, with a minimum of 15s. per annum for land on which there is a building or water supply.

(c) Sewerage. The Ballarat sewerage district embraces the City of Ballarat and part of the Shire of Ballarat. Work was commenced in 1922 and up to 31st December, 1950 the Authority had constructed a disposals works, I mile of outfall sewer, 2.1 miles of main sewer, 14.7 miles of sub-mains and 90 miles of reticulation. The capital cost of sewerage construction works to 31st December, 1950 was £554,188. The method of sewage disposal is by sedimentation, oxidation and sludge digestion. One hundred and nineteen sewered areas had been declared as at 31st December, 1950. Assessments in the sewerage district numbered 13,603, while those in sewered areas numbered 11,175. There were 9,501 buildings connected.

The scheme is financed by debenture-issue loans from various financial institutions. The liabilities on account of loans secured for construction at 31st December, 1950 amounted to £461,701, redemption payments at that date totalling £158,967. An expenditure of £157,122 was incurred for house connexions, the whole of which has been redeemed. Revenue during 1950 (1949 in parentheses) amounted to £42,098 (£44,324) and expenditure, including £25,912 (£26,262) on interest and redemption, to £42,634 (£50,636).

A general rate of is. 5d. in the £i is levied on the net annual value of all properties within the drainage area.

(iv) Sewerage Authorities. At 30th June, 1950, 54 sewerage authorities had been constituted under the provisions of the Sewerage Districts Acts in districts outside the areas under the control of the Melbourne and Metropolitan Board of Works and the Geelong Waterworks and Sewerage Trust, and systems were in operation in 28 districts (including three partly operating) serving a population of 182,400 persons.

In addition, sewerage authorities were constituted in a further 26 districts at this date, but their operations had either been suspended or had not commenced.

(v) Water Supply in Country Towns and Districts. Most of the country waterworks are controlled by the State Rivers and Water Supply Commission, but in some instances the control is by waterworks trusts or by municipal corporations.

The waterworks controlled by the State Rivers and Water Supply Commission at 30th June, 1950 included 35 large reservoirs and 234 subsidiary reservoirs and service basins with a total storage capacity of 537,490 million gallons (1,974,260 acre feet).

Length of channels was 15,221 miles (irrigation, 4,643 miles, domestic and stock, 8,505 miles, drainage and flood protection, 2,073 miles) and of pipe lines 1,160 miles. The quantity of water delivered to water users during 1949–50 was 526,875 acre feet (720,427 acre feet in 1948–49). The Commission administered 69 rural districts during 1949–50 (29 irrigation districts, 35 waterworks districts, 4 flood protection districts and 1 drainage district), and the reticulated pipe supplies for domestic and industrial purposes in 129 urban districts. In addition, 120 urban districts were administered by waterworks trusts and 15 by local governing bodies. The populations served in these groups of urban districts numbered, respectively, 148,140, 243,200 and 78,950 persons. The table below is a summary of the Commission's finances for operations in districts under its control for the years 1938–39 and 1945–46 to 1949–50:—

STATE RIVERS AND WATER SUPPLY COMMISSION, VICTORIA: FINANCES. (a) $(\pounds$.)

	Total Loan	1			Payments.		
Year.	Capital Expen- diture to 30th June.	Receipts.	Operating Expenses.	Interest on Capital Allotted.	Deprecia- tion.	Redemp- tion.	Total.
1938–39	24,223,037 26,417,497 27,632,136 29,228,673 31,226,345 35,041,827	773,423 919,347 1,050,528 1,186,313	1,110,170 1,084,841 1,199,552 1,319,291	41,864 39,961 39,836 39,208	27,553 48,420 118,701 55,303 60,553 66,441	4,922 1,767 1,678 1,660 1,989 3,055	653,665 1,202,221 1,245,181 1,296,351 1,421,041 1,627,272

⁽a) Excludes Waterworks Trusts and Local Governing Bodies.

The total loan capital expenditure of waterworks trusts and local governing bodies at 30th June, 1950 was £5,638,471, making a grand total of £40,680,298 when added to the figure for works under the control of the Commission. The net loan capital after redemption payments of £1,646,520 was £39,033,778.

The financial operations of the State Rivers and Water Supply Commission form part of Consolidated Revenue Fund, but are included in this section for convenience. The major proportion of the interest payable is borne by the State and is additional to that shown above. The net expenditure borne by the State during 1949-50 was £1,370,333 (£1,342,708 in 1948-49).

- 3. Queensland.—(i) Brisbane City Council—to 30th June, 1950. (a) General. This organization conducts the water supply and sewerage systems of the City of Greater Brisbane. Prior to 1928, water and sewerage activities had been controlled by the Metropolitan Water and Sewerage Board, but were then absorbed by the Brisbane City Council, which also supplies, in bulk, the whole of the water used by the City of Ipswich and the Town of Redeliffe.
- (b) Water Supply. Water storage facilities comprise the following (available capacities are shown in parentheses):—Somerset Reservoir, 32,000 million gallons (32,000 million gallons); Lake Manchester, 5,806 million gallons (5,725 million gallons); Brisbane River, 543 million gallons (484 million gallons); Pure Water Reservoir, Holt's Hill, 8.3 million gallons (8.3 million gallons); Enoggera Reservoir, 1,000 million gallons (631 million gallons); Gold Creek Reservoir, 407 million gallons (400 million gallons). There are eleven service reservoirs with a capacity of approximately 35.9 million gallons. The Somerset reservoir is under the control of the Stanley River Works Board and is a

dual purpose project with a designed total holding capacity of 200,000 million gallons, 55,000 million gallons to be for water storage and 145,000 million gallons for flood mitigation. Water rating at 30th June, 1950 was 5d. in the £1 of unimproved capital value for improved properties, and 3d. in the £1 for vacant lands, with a minimum of £3 10s. and £2 6s. 8d. respectively. The following table is a summary of operations of the complete Brisbane City Council system (metropolitan area, Ipswich and Redcliffe) for the years 1938-39 and 1945-46 to 1949-50:—

WATER SUPPLY, BRISBANE (a): SERVICES.

Year.			Esti-	i .			e Daily nption.	Length of	
		Services Con- nected.	mated Popu- lation		Total Con- sumption for year.	Per Service.	Per Head of Esti- mated Popu- lation.	Trunk and Reticu- lation Mains.	Number of Meters.
1938-39 1945-46 1946-47 1947-48 1948-49		\$1,389 94,032 98,803 103,846 108,671 111,363	345,903 385,531 405,093 425,769 445,551 445,897	Mill. gals. 15.9 22.5 22.8 22.9 24.2 26.1	Mill. gals. 5,791 8,206 8,317 8,365 8,826 9,540	Gallons. 195 239 231 220 223 235	Gallons. 45.9 58.3 56.3 53.7 54.3 58.6	Miles. 1,169 1,275 1,299 1,330 1,344 1,376	(b) 52,620 52,645 52,699 52,755 52,807

⁽a) Includes Ipswich and Redeliffe.

(c) Sewerage. The sewage treatment works are situated at Luggage Point on the north bank at the entrance to the Brisbane River. The treatment plan is the activated sludge system, but this has not been put into operation, and since the commencement of pumping operations in 1923 a sedimentation plant only has been used. Sewerage rating at 30th June, 1950 was 4d. in the £1 of unimproved capital value for improved properties, and 3d. in the £1 for vacant lands, with a minimum of £3 10s. and £3 respectively. The following table is a summary of operations of the Brisbane sewerage scheme for the years 1938-39 and 1945-46 to 1949-50:—

SEWERAGE, BRISBANE: SERVICES.

	•	Year.		Premises Connected.	Estimated Population Served.	Total Sewage Pumped for the Year.	Length of Main, Branch, Reticulation, etc. Sewers.
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50			 •••	33,248 41,381 42,246 43,485 44,901 46,330	149,616 169,662 173,209 178,289 184,094 189,953	Mill. gals. (a) 4,632 4,539 4,696 4,697 4,967	Miles. 484 533 549 567 580 590

⁽a) Not available.

⁽b) Not available.

(d) Finances. The following table shows particulars of the finances of the water supply and sewerage undertakings of the Brisbane City Council for the years 1938-39 and 1945-46 to 1949-50:—

WATER SUPPLY AND SEWERAGE, BRISBANE: FINANCES.

(£.) ·

		;		!	Expenditure.		į
Service and Year.		Gross Capital Cost.	Revenue.	Working Expenses.	Interest, Redemp- tion, etc. Charges.	Total.	Surplus (+) or Deficit (-).
Water Supply-							:
1938-39		4,849,732	606,244	129,219	280,827	422,366	+ 183,878
1945-46		6,637,459	754,521	210,718	301,609		+ 203,916
1946-47		6,906,676	744,989	225,343	315,595		+ 148,041
1947–48		7,156,116	765,936	255,430	335,307	633,982	+ 131,954
1948–49		7,356,335	815,673	307,130	338,963		+ 112,581
1949-50		7,579,798	866,366	353,805	276,796	700,237	+ 166,129
Sewerage				į			1
1938–39		5,992,936		52,792	403,386	485,974	
1945–46		6,540,181		57,135	335,308	410,801	- 176,070
1946~47		6,763,448			224,194	312,152	
1947-48	• •	7,048,086		63,998	246,983	343,259	
1948-49		7,526,302		76,098	248,341	346,120	- 60,926
1949–50		8,117,835	412,833	87,100	264,972	379,299	+ 33,534

- (ii) Country Towns. (a) Water Supply. In addition to the City of Brisbane, there were, at 30th June, 1950, 95 cities and towns in Queensland provided with water supply systems controlled by municipal and shire councils.
- (b) Sewerage Systems. At 30th June, 1950, there were 12 cities or towns outside the metropolitan area—Bundaberg, Charleville, Cunnamulla, Goondiwindi, Ipswich, Mackay, Maryborough, Quilpie, Rockhampton, Towoomba, Townsville and Warwick—with sewerage systems. A sewerage system was in course of construction in Mt. Isa.
- (c) Finances. The receipts (other than loan) of water undertakings controlled by the cities and towns referred to above amounted to £636,990 in 1949-50 (£564,146 in 1948-49). Expenditure amounted to £633,488, including £208,900 for debt charges (£576,429 and £208,135 in 1948-49). In addition, loan expenditure amounted to £349,183 (£209,980 in 1948-49).

Finances of sewerage undertakings are incorporated in council general funds and are not available separately.

4. South Australia.—(i) General. The water supply and sewerage systems in this State were constructed and are maintained by the Engineering and Water Supply Department under the control of the Minister of Works. The works controlled comprise the Adelaide, Barossa, Baroota Creek, Beetaloo, Bundaleer, Tod River, Warren and other country water districts systems, the Morgan-Whyalla water supply system, the Adelaide metropolitan sewerage system, the Murray River Weirs, water conservation, and the Metropolitan Flood Waters Scheme.

(ii) South Australian Waterworks. (a) Services. The table hereunder shows particulars of the area, capacity, etc. of combined metropolitan and country waterworks for the years 1938-39 and 1945-46 to 1949-50:—

WATERWORKS, SOUTH AUSTRALIA: SEI	VATERWORKS	SOUTH	AUSTRALIA	SERVICES
----------------------------------	------------	-------	-----------	----------

Year.		Assessm	nen t s.(a)	Area of Districts	Capacity of	Length of	Number of
		Number.	Annual Value.	Supplied.	Reservoirs, Tanks, etc.	Mains.	Meters.
			£	Acres.	Mill. gals.	Miles.	
1938-39		185,625	6,302,445	11,857,968	23,814	6,384	97,074
1945-46		196,021		11,901,977	23,910	6,845	103,462
1946-47		198,952	7,190,146	11,932,461	23,920	6,927	103,514
1947-48		203,422	7,405,970	11,953,022	23,927	6,997	104,726
1948–49	[206,904	7,694,428	11,953,235	23,941	7,056	104,649
1949-50]	210,808	8,113,905	11,956,885	23,942	7,126	107,092

⁽a) Excludes Morgan-Whyalia Water Supply-water sold by measure.

(b) Finances. Figures for 1938-39 and 1945-46 to 1949-50 are shown in the following table.

WATERWORKS, SOUTH AUSTRALIA: FINANCES.

(£.)

					Expenditure.			
Year.		Invested Capital.	Revenue. Working Expenses		Interest and Sinking Total.		Surplus (+) or Deficit(-).	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50		14,649,052 18,712,037 19,577,522 20,229,154 20,399,213 21,247,004	853,406 856,733	242,528 520,078 542,203 588,703 670,447 817,696	651,972 685,615 676,604 680,550 695,547 705,700	894,500 1,205,693 1,218,807 1,269,253 1,365,994 1,523,396	- 239,812 - 352,287 - 362,074 - 333,560 - 387,655 - 507,318	

(iii) Adelaide Waterworks. At 30th June, 1950 the Adelaide waterworks supplied a district of 144,026 acres. The capacity of its five reservoirs was 14,466 million gallons and there were 1,636 miles of mains.

Two major projects are in hand—(i) the construction of a large reservoir on the South Para River to provide additional storage to serve the lower northern areas of the State and to make some additional provision for the metropolitan area, and (ii) bringing River Murray water into Adelaide to supplement the metropolitan and Warren system areas and to serve country areas en route. The capacity of the new reservoir will be about 10,000 million gallons and the pipeline from the Murray near Mannum will deliver about 11,000 million gallons per annum.

Particulars of finances for the years 1938-39 and 1945-46 to 1949-50 are shown below:—

ADELAIDE WATERWORKS: FINANCES.

			(20.)				
	_	•	• •	Expenditure.		Surplus (+)	
Year. Invested Capital.		Revenue.	Working Expenses.	Interest and Sinking Fund Charges.	Total.	or Deficit(-).	
	4,676,110 5,335,798 6,018,680 6,253,146 6,248,465 6,665,805	446,459 517,555 521,962 574,687 607,718 630,765	111,347 185,603 209,107 211,450 246,951 310,382	202,279 196,576 200,105 203,510 210,898 218,737	313,626 382,179 409,212 414,960 457,849 529,119	+ 132,833 + 135,376 + 112,750 + 159,727 + 149,869 + 101,646	
	•••	4,676,110 5,335,798 6,018,680 6,253,146 6,248,465	Capital. Revenue. 4,676,110 446,459 5,335,798 517,555 6,018,680 521,962 6,253,146 574,687 6,248,465 607,718	Capital. Working Expenses. 4,676,110 446,459 111,347 5,335,798 517,555 185,603 6,018,680 521,962 209,107 6,253,146 574,687 211,450 6,248,465 607,718 246,951	Invested Capital. Revenue. Working Expenses. Sinking Fund Charges. . 4,676,110 446,459 111,347 202,279 . 5,335,798 517,555 185,603 196,576 . 6,018,680 521,962 209,107 200,105 . 6,253,146 574,687 211,450 203,510 . 6,248,465 607,718 246,951 210,898	Invested Capital. Revenue. Working Expenses. Interest and Sinking Fund Charges. . 4,676,110 446,459 111,347 202,279 313,626 . 5,335,798 517,555 185,603 196,576 382,179 . 6,018,680 521,962 209,107 200,105 409,212 . 6,253,146 574,687 211,450 203,510 414,960 . 6,248,465 607,718 246,951 210,898 457,849	

(iv) Adelaide Metropolitan Sewerage. The Adelaide metropolitan sewerage system, comprising the Adelaide, Glenelg and Port Adelaide areas, with drainage areas of 88 square miles in all, includes a sewage farm, and treatment works at Glenelg and Port Adelaide. The total quantity of sewage pumped by the various stations was 2,713 million gallons during 1949-50 as compared with 2,579 million gallons during 1948-49. Other particulars for 1938-39 and 1945-46 to 1949-50 are shown hereunder:—

ADELAIDE METROPOLITAN SEWERAGE: SUMMARY.

					1	Expenditure	·.	
Year.	Length of Sewers.	Number of Con- nexions.	Invested Capital.	Revenue.	Working Expenses.	Interest and Sinking Fund.	Total.	Surplus (+) or Deficit(-).
			!				¦	
	Miles.		£	£	£	£	£	£
1938-39	923	80,745	3,361,034		77,023	150,273	227,296	+ 41,584
1945–46	' 985	91,201	3,874,065	300,207	121,554	148,283	269,837	+ 30,370
1946-47	1,008	93,440	4,034,770		135,868	144,702	280,570	+ 26,645
1947–48	1,025	96,057	4,176,725		159,509	145,732	305,241	+ 13,837
1948-49	1,048	98,948	4,324,787	333,572	182,874	148,754	331,628	+ 1,944
1949-50	1,092	102,782	4,629,510	352,631	209,410	154,959	364,369	- 11,738
	ļ		<u> </u>		l		<u>i</u>	1

(v) Country Water Supply. Water district systems outside Adelaide at 30th June, 1950 comprised an area of 11,812,939 acres, and the capacity of the reservoirs was 9,476 million gallons. These figures exclude the Morgan-Whyalla supply system, which obtains its water from the River Murray. The storage tanks of this system had a capacity of 44 million gallons.

Construction work is proceeding on the scheme for the augmentation of the Tod River District supplies, and for the supply of other areas not already served, by utilizing water from the Uley-Wanilla sub-artesian basin. Construction had progressed to the stage, at 30th June, 1950, where 434 million gallons could be pumped from the basin to meet essential requirements.

At the request of the Commonwealth, the Engineering and Water Supply Department undertook the construction above ground of a 10-in. pipeline, together with service reservoirs, pumping stations, etc., from Port Augusta to the Guided Missile Range at Woomera, a distance of about 110 miles. This project was completed in June, 1949.

To bring a permanent supply of water to the Yorke Peninsula, contracts were let for 76 miles of steel pipes for the enlargement of the main between the Bundaleer and Clinton Reservoirs, but shortage of steel plate has delayed progress. The following table gives financial information on country waterworks for 1938-39 and 1945-46 to 1949-50:—

COUNTRY WATERWORKS, SOUTH AUSTRALIA: FINANCES.(a)

Expenditure. Surplus (+) Invested Year. Revenue. Capital. Working Deficit(-). Interest. Total. Expenses. 449,691 580,214 1938-39 10,015,613 207,569 130,523 372,645 10,833,353 304,848 406,127 710,975 463,242 1945-46 247,733 1946-47 307,379 394,392 701,771 457,276 11,231,493 244,495 1947–48 1948–49 11,643,730 11,616,857 270,738 337,557 395,246 732,803 462,065 402,809 798,526 511,880 286,646 395,717 12,056,803 405,355 615,858 1949-50 298,256 508,759 914,114

- (a) Excludes Morgan-Whyalla system.
- (vi) Morgan-Whyalla Water Supply Scheme. This scheme, which involved the laying of 223 miles of main, was officially opened on 31st March, 1944, the capital invested to 30th June, 1950 being £2,524,396. Particulars of this scheme, where applicable, are included in the tables of the combined waterworks in section (ii) above. The water is sold by measure; hence particulars of assessments and area supplied do not apply. During 1948-49 the water used from the system between Hanson and Whyalla amounted to 965 million gallons and during 1949-50 to 1,015 million gallons. Revenue for the year 1948-49 was £124,818, working expenses, etc. £68,622, interest charges £81,840, net loss £25,644. Corresponding figures for 1949-50 were, respectively, £178,779, £90,277, £81,608 and a surplus of £6,894.
- 5. Western Australia.—(i) General. The water supply and sewerage systems of Western Australia are principally under the management of Government Departments, and are divided into the following categories:—(a) Metropolitan Water Supply, Sewerage and Drainage, covering Perth, Fremantle, Claremont, Guildford, Midland Junction and Armadale District; (b) Goldfields Water Supply; (c) Water Supply of other towns, etc.; (d) Agricultural Water Supply and (e) Artesian and sub-artesian waters.
- (ii) Metropolitan Water Supply, Sewerage and Drainage. (a) General. The sources of the metropolitan water supply are the Canning Dam, Churchman Brook, Wongong Brook, Victoria Reservoir, Armadale Pipe Head Dam and Well, and certain bores. The largest reservoir, the Canning Dam, has a capacity of 20,550 million gallons, about 5,000 million gallons more than that of the recently increased Mundaring Reservoir to which it is linked by a pipe line.

The sewage treatment works of Perth and suburbs consist of primary sedimentation with separate sludge digestion and discharge of all effluent direct to the ocean. Fremantle treatment works consist of septic tanks with ocean outfall for effluent. There are three treatment works, situated at West Subiaco, Swanbourne and Fremantle.

(b) Water Supply. The following table shows particulars of water supply services for 1938-39 and 1945-46 to 1949-50:—

METROPOLITAN WATER SUPPLY, WESTERN AUSTRALIA: SERVICES.

Year.	 Number of Services.	Esti- mated Popu- lation Supplied.	Average Daily Con- sumption	Total Con- sumption for Year.		Per Head of Estimated Population.	Length of Mains.	Number of Meters.
	 	!	Mill. gals.	Mill. gals.	Gallons.	Gallons.	Miles.	
1938-39	 61,467	248,248	14.1	5,147	229	56.8	953	40,014
1945-46	 68,310	247,090	22.0	8,041	323	89.2	1,054	41,923
1946-47	 70,970	279,000	24.7	9,022	348	88.6	1,107	42,968
1947-48	 73,601	284,915	26.9	9,838	365	94.4	1,137	44,795
1948-49	 76,562	290,962	27.2	9,918	355	93.5	1,173	47,073
1949-50	 79,835	297,123	29.1	10,618	364	97.9	1,224	49.370

Water rating for 1949-50 was 1s. 6d. in the £1 on annual valuation, with a minimum of 10s.

(c) Sewerage and Drainage. Some particulars of the metropolitan sewerage and drainage services for 1938-39 and 1945-46 to 1949-50 are shown below:—

METROPOLITAN SEWERAGE AND DRAINAGE, WESTERN AUSTRALIA: SERVICES.

	Year.			Estimated Population Served.	Sewage Pumped for the Year.(b)	Length of Sewers.	Length of Stormwater Drains.
1938-39			36,652	162,457	Mill. gals.	Miles.	Miles.
1945-46	••	••	43,509	(a)	1,994	529	33
1946–47 1947–48	• • • • • • • • • • • • • • • • • • • •		44,638 45,977	(a) 193,103	2,160 2,263	537 550	33 34
1948-49			47,446	199,273	2,273	569	34
1949-50	••	••	48,909	205,418	2,326	588	34

⁽a) Revised Census figure not available.

Sewerage rating for 1949-50 was 1s. 4d. in the £1 on annual valuation, with a minimum of 7s. 6d. Stormwater drainage rating was 5d. with a minimum of 2s. 6d.

(d) Finances. The following table shows particulars of the finances of the Western Australian Metropolitan Water Supply, Sewerage and Drainage Department for the years 1938-39 and 1945-46 to 1949-50;—

METROPOLITAN WATER SUPPLY AND SEWERAGE AND DRAINAGE, WESTERN AUSTRALIA: FINANCES.

		1						
Service and Year.		Capital Cost.	Revenue.	Working Expenses.	Interest and Sinking Fund Charges.	Tetal.	i	rplus (+) or ficit(+).
Water Supply—								
1938-39		4,898,167	285,313	50,975	228,527	279,502	1+	5,811
1945-46		5,355,908		90,279	253,528	343,807	+	17,097
1946-47		5,516,603	372,168	110,572	236,432	347,004	+	25,164
1947-48		5,669,761	392,761	117,930	243,613	361,543	+	31,218
1948-49	• •	5,899,578		136,499	253,244	389,743	+	27,074
1949-50		6,200,989	452,955	186,219	224,958	411,177	+	41,778
0)rain-			1	•			
age—		ام		_	!			
1938-39	• •	3,497,938	174,950	30,630	149,714	180,344	-	5,394
1945-46	• •	3,885,585	214,604	40,457	205,572	246,029	_	31,425
1946-47	• •	3,992,651	219,359	47,401	190,472	237,873	-	18,514
1947-48	• •	4,148,784	223,090	51,119	196,965	248,084	-	24,994
1948-49	• •	4,359,547	259,597	59,182	206,264	265,446	1-	5,849
1949-50	• •	4,567,278	274,113	84,988	196,234	281,222		7,109

⁽iii) Goldfields Water Supply. The source of supply for Kalgoorlie, Coolgardie and adjacent goldfields, as well as for the towns and districts on or near the pipeline, is the Mundaring Reservoir, whose capacity has recently been increased from 4,650 million gallons to 15,100 million gallons (see below). This scheme is now linked by pipeline with the Canning Dam. Plans have been forumlated by the State Government, assisted financially by the Commonwealth Government, for a comprehensively reticulated water scheme at an estimated cost of approximately £4,000,000 to serve an area of about 4,000,000 acres of farm lands and some 23 agricultural towns, including the principal

⁽b) Aggregate of quantities pumped by the various

towns on the Great Southern Railway, and to increase the supply to the Eastern Goldfields to permit expansion of the gold-mining industry. The scheme involves the raising of the impounding walls of Mundaring Weir and Wellington Dam to increase the storage capacity of these reservoirs to 15,000 million and 38,000 million gallons respectively. The following table shows details for 1938-39 and 1945-46 to 1949-50:—

GOLDFIELDS WATER SUPPLY, WESTERN AUSTRALIA: SUMMARY,

Year.		Number of Services.	Total Con- sumption.	Length of Water Mains.	Number of Meters.	Capital Cost.	Revenue.	Expendi- ture.(a)	Surplus (+) or Deficit(-).	
			Mill. gals.	Miles.		£	£	£	£	
1938-39 1945-46 1946-47 1947-48 1948-49 1949-50		13,670 14,528 15,130 15,411 15,669 16,063	1,735 1,831 1,975 2,028 2,131 2,208	1,720 1,750 1,757 1,768 1,773 1,777	10,872 12,699 13,163 13,423 13,639 13,991	5,527,890 6,178,682 6,283,631 6,425,775 6,614,390 6,803,271	317,913 343,500 338,892 341,052	298,531 405,615 396,964 480,571 533,851 566,614	+ 32,926 - 87,702 - 53,464 - 141,679 - 192,799 - 219,954	

(a) Includes interest and sinking fund.

(iv) Water Supply of Other Towns, etc. (a) Controlled by Public Works Department. During 1949-50 (1948-49 in parenthesis) water supplied to other towns and districts, excluding minor water supplies, amounted to 651 (564) million gallons, including service to adjacent mines, 18 (20) million gallons, and railways 63 (60) million gallons. Estimated population served numbered 41,865 (37,587).

(b) Controlled by Commonwealth and State Government Railways. Consumption for the year ended 30th June, 1950 (1948-49 in parentheses) was 296 (399) million gallons. In addition, 457 (459) million gallons were obtained from other sources, mainly the Goldfields Water Scheme and the Metropolitan Water Supply.

(c) Water Boards not Controlled by Government. During 1949-50 (1948-49 in parentheses) approximately 372 (367) million gallons of water were supplied to an estimated population of 17,770 (17,731).

(v) Agricultural Water Supply. During the thirty-eight years from 1st July, 1910 to 30th June, 1950, 574 tanks were built, 387 wells sunk, and 3,940 bores put down to a total depth of 211,779 feet. Of the bores put down, 644 yielded fresh, and 383 stock, water.

(vi) Artesian and Sub-artesian Waters. Up to 30th June, 1950 the total number of bores put down in search of artesian or sub-artesian water and in which water was struck (exclusive of operations by Defence Services) was 454, ranging in depth from 21 to 4,006 feet.

6. Tasmania.—(i) Waterworks. At the end of 1949-50 (1948-49 in parentheses) there were 36 (36) municipal waterworks in Tasmania. The capacity of the reservoirs was about 900 million gallons, the estimated population served was 188,598 (174,856), the number of properties assessed was 58,782 (55,458), and the length of aqueducts, mains and reticulation was about 1,075 miles. Costs of construction amounted to £1,925,902 (£1,927,009). The largest of these undertakings is Hobart, with a reservoir capacity at the end of 1949-50 of 578 million gallons, and 156 miles of reticulation and 92 miles of aqueduct and main.

(ii) Sewerage. Sewerage in Tasmania also is the concern of local authorities.

§ 6. Harbour Boards and Trusts.

Note.—The number and net tonnage of all vessels which entered the major ports in each State during the years 1938-39 and 1946-47 to 1949-50 are shown in Chapter V.—Transport and Communication, § 3. Shipping at Principal Ports. Particulars of oversea and interstate cargo discharged and shipped during 1949-50 are shown in § 6 of the same chapter.

I. New South Wales.—(i) Maritime Services Board of New South Wales. (a) General. The Maritime Services Board of New South Wales is a corporate body of five Commissioners, three of whom are full-time members and two, representing shipping and

commercial interests, part-time members. The Board was brought into existence on 1st February, 1936 by the Maritime Services Act 1935 in order to co-ordinate the port and navigation services of the State, which had previously been administered by the Sydney Harbour Trust and by the State Department of Navigation.

The Board exercises general control over intra-State shipping, including the survey and certification of vessels, the licensing of harbour craft and the examination and issue of certificates to officers; is responsible for the provision of pilotage services, lights, beacons, buoys and other port facilities; imposes and collects rates and charges on goods and vessels; and is vested with the general control and management of the navigable waters and ports within the State.

At the Port of Sydney the Board is also responsible for the provision of adequate wharfage and channels, and carries out all construction, maintenance and dredging work. At other ports of New South Wales such work is undertaken by the Department of Public Works on behalf of the Board.

(b) Port of Sydney. The entrance to Sydney Harbour, the principal port of New South Wales, is nearly a mile wide, and the depth of its navigable channel is not less than 80 feet. Between the entrance, known as "The Heads", and the Harbour proper, a distance of 4 miles, there are two separate channels, each 700 feet wide, the Western Channel not less than 43 feet deep (low water ordinary spring tides) and the Eastern Channel 40 feet deep. The foreshores, which have been reduced by reclamations, are 152 miles in length and the total area of the port is 13,600 acres, or 21 square miles, of which about one-half has a depth of 30 feet or more at low water ordinary spring tide. The mean range of tides is 3 feet 6 inches.

The wharves are situated in close proximity to the business centre of the city, about four or five miles from the Heads. Excluding ferry wharves and jetties used for private purposes, there are 64,676 feet of wharfage controlled by the Maritime Services Board and 9,928 feet of commercial wharfage privately owned. Ferry berths cover 3,427 feet, and the total for all purposes is 78,031 feet. Depth of water at wharves is up to 40 feet. The principal wharves are leased to shipping companies whose vessels engage regularly in the trade of the port; the remainder are reserved for vessels which visit the port occasionally. Special facilities for the storage and handling of staple products such as wheat, wool, etc., are provided and modern plant has been installed for replenishing ships' bunkers with oil or coal.

The docking facilities comprise five large graving docks, four floating docks and eight patent slips. The Captain Cook Graving Dock, opened in March, 1945, is capable of accommodating the largest vessel afloat.

The following table shows particulars of the finances of the Board in respect of the Port of Sydney for 1938-39 and 1945-46 to 1949-50:—

MARITIME SERVICES BOARD: FINANCES OF THE PORT OF SYDNEY.

]		Revenue.	-	E				
Year.	Total Capital Debt.	Wharfage and Tranship- ment Rates.	Tonnage Rates and Berthing Charges.	Total.	Adminis- tration and Mainten- ance.	Interest, Sinking Fund, Exchange, etc.	Total.	Surplus.	
1938-39	11,276,399	773,501	38,180	1,155,627	380,120	536,781	916,901	238,726	
1945-46	11,048,854	799,734	170,766	1,420,187	640,703		1,191,660		
1946-47.:	11,097,221	725,903	158,521	1,379,882	702,833	540,240	1,243,073	136,809	
1947~48	11,242,140		167,406	1,446,779	793,319	530,159	1,323,478	123,301	
1948-49	11,334,338		182,360	1,569,157	923,656		1,441,371	127,786	
1949-50	11,571,669	925,144	229,092	1,658,203	957,510	526,171	1,483,681	174,522	

⁽a) Excludes capital expenditure: 1938-39, £28,576; 1945-46, £77,395; 1946-47, £153,854; 1947-48, £282,345; 1948-49, £221,227; 1949-50, £287,210.

(c) Port of Newcastle. Newcastle Harbour is administered by the Maritime Services Board and an advisory committee consisting of five members appointed by the Governor. In regard to volume of shipping entered, Newcastle ranks second in importance in New South Wales and sixth in Australia. It is primarily a coal-loading port, and the proximity of the coal field has led to the establishment of important industries, including iron and steel works, in the district. Facilities are available for the shipment of wool, wheat and frozen meat, and a wharf is available for timber.

The area used by shipping is about 570 acres, excluding the entrance to the harbour and the inner basin, which together cover an area of 162 acres. The width of the harbour at the entrance is 1,200 feet, and the navigable channel, with a depth of 25 feet 6 inches at low water, is 350 feet wide. Wharfage accommodation amounts to 19,900 feet, the Maritime Services Board controlling 6,720 feet, the Railways Department 7,000 feet, the Public Works Department 200 feet, and private shipping companies 2,600 feet, while tie-up berths and ferry and depot wharves comprise 3,400 feet.

- (d) Port Kembla. As from 3rd May, 1948, the Maritime Services Board assumed the administration and navigational control of Port Kembla, which had previously been administered by the New South Wales Department of Public Works. The Department will, however, continue to be the constructing authority in respect of works, dredging and maintenance. In respect of volume of shipping entered, Port Kembla ranks third in the ports of New South Wales, and about seventh in those of Australia. It has an area of approximately 330 acres, with depths ranging from 20 to 50 feet (low water ordinary spring tide), and wharfage accommodation has been provided for large ocean-going vessels. It is the port of the southern coalfields and for the expanding industrial area in and about Wollongong.
- (e) Other Ports. In addition to the ports of Sydney, Newcastle and Port Kembla, the Board controls 29 outports along the coastline of 609 miles. The shipping trade of these outports is relatively small.
- (ii) Port Charges. The port charges payable in respect of shipping and ships' cargoes in New South Wales are imposed by the Commonwealth Government in terms of the Lighthouses Act and the Federal Navigation Act, and by the State authorities under the Navigation Act of New South Wales, the Harbour and Tonnage Rates Act, and the Sydney Harbour Trust Act. Since 1st February, 1936, the State enactments have been administered by the Maritime Services Board. The gross collections by the State authorities amounted to £2,005,371 in 1948-49 and £2,278,369 in 1949-50. These figures include the Port of Sydney revenue (see table above) and State navigation service collections (£436,214 in 1948-49 and £620,166 in 1949-50). Commonwealth Government revenue from light dues and navigation receipts, for the whole of Australia amounted to £202,574 in 1948-49 and £227,759 in 1949-50.
- 2. Victoria.—(i) Melbourne Harbor Trust. (a) General. Information regarding the origin and constitution of this Trust, which controls the Port of Melbourne, appears in Official Year Book No. 12, p. 970 et seq. At 31st December, 1950, the sheds available for wharfage accommodation had a length of 20,093 feet, covering an area of 1,389,982 square feet. The area of water in the bay and River Yarra under the control of the Trust is approximately 5,327 acres and the total length of wharves, piers and jetties in the port is 61,740 feet, giving an area of over 58 acres of wharfage, and 53,109 feet of effective berthing space. During 1950, work commenced on the River Entrance Docks project which provides for the construction of 28 new deep water berths. Other work undertaken during the year provides for new berths at Appleton Dock (ultimately to have eighteen berths), Victoria Dock and South Wharf. The depths of water (low water ordinary spring tide) of main channels and at principal wharves are about 30 feet, the maximum being about 36 feet.

(b) Finances. The following table shows particulars of the financial operations of the Trust during the years 1939 and 1946 to 1950:—

MELBOURNE HARBOR TRUST: FINANCES.

(£.)

			Revenue.						
Yes	ar.	Gross Loan Indebted- ness.	Wharf- age and Tonnage Rates.	Total.	Adminis- tration and Mainten- ance.	Interest, Sinking Fund, Exchange, etc.	Deprecia- tion, Renewals and Insurance Account.	Total. (a) (b)	Surplus.
									
1939		4,018,527	689,100	843,899	282,533	270,650	129,160	837,577	6,322
1946		3,973,100	701,591	961,037	424,601	244,890	129,200		3,028
1947		3,937,709		1,113,456		238,084	123,940	944,516	
1948		3,820,203		1,313,813				1,037,152	276,661
1949		3,766,678	1,118,059	1,471,221				1,015,421	455,800
1950	••	3,972,029	1,293,923	1,771,074	675,839	187,582	162,883	1,301,687	469,387

⁽a) Includes statutory payments to Consolidated Revenue and Geelong Harbour Trust:—1939,£155,234; 1946,£159,318; 1947,£182.851; 1948,£211,420; 1949,£242,612; 1950,£275,383. (b) Excludes capital expenditure:—1939,£128,567; 1946,£403,400; 1947,£375,705; 1948,£393,240; 1949,£623,396; 1950,£1,580,392.

- (ii) Geelong Harbor Trust. The Geelong Harbor Trust was constituted in 1905, and reconstituted in 1934 under the provisions of the Melbourne and Geelong Harbor Trusts Act 1934. The Trust is under the control of three Commissioners appointed by the Governor-in-Council. Revenue for the years 1949 and 1950 was £152,497 and £193,869 respectively, and revenue expenditure was £134,351 and £162,223. Payments made in respect of capital works amounted to £124,804 in 1949 and £120,000 in 1950, and loans outstanding at the end of each year amounted to £514,896 and £508,459. Depth of water available in Geelong harbour will, upon completion of dredging operations which in 1950 were well advanced, range from 32 to 37 feet (low water ordinary spring tide).
- (iii) Other Ports. Portland is the only Victorian port other than Melbourne and Geelong of more than minor importance.
- 3. Queensland.—(i) General. The ports of Queensland, except Brisbane and certain minor ports, are administered by Harbour Boards with members representing the towns and districts served by the ports. Brisbane and the minor ports are controlled by the State Treasury through the Department of Harbours and Marine, which supervises the engineering activities of the other ports.
- (ii) Brisbane. Brisbane accommodates comfortably, in its dredged and improved river, the largest vessels in the Australian trade. The main centres for shipping, although further downstream than formerly, because of the increasing size of vessels, are still within easy access of the city. The maximum depths (low water ordinary spring tide) of the shipping channel decrease from 32 feet in the North-West channel to 20 feet in the Bulimba Reach to Victoria Bridge section. Depths at wharves vary between

23 and 29 feet. Adequate dry-docking facilities are available. The finances of Brisbane Harbour for the years 1938-39 and 1945-46 to 1949-50 are shown below:—

BRISBANE HARBOUR: FINANCES. (£'000,)

					•/			
Year.			Revenue.			Exper		
		Loan Indebted- ness.	Harbour Dues. Total.		Working Expenses.	Total (including Interest and Redemption).	Credit Balance.	
1938-39		1,179	165		173	36	112	(a) - 6
1945-46		1,086	146	(b)	247	127	206	173
1946-47		1,163	149		171	133	212	132
1947-48		1,219	153		222	126	209	145
1948-49	• •	1,256	190	[209	162	250	104
1949-50	• • •	1,325	219		299	168	260	143
				ļ			1	1

(a) Overdraft. (b) Includes accumulated hire charges, etc., for dredging done for the Commonwealth Government.

In addition to Brisbane Harbour, the Department of Harbours and Marine also controls the Brisbane Dry Dock, the Cairneross Dock, the Brisbane River, and ten smaller harbours not administered by Harbour Boards.

(iii) Harbour Boards. Harbour Boards control the ports of Bowen, Bundaberg, Cairns, Gladstone, Mackay, Rockhampton and Townsville. Finances for each port for the year 1950 are shown below, together with a summary for the years 1939 and 1946 to 1950.

HARBOUR BOARDS, QUEENSLAND: FINANCES.

				(£.)				
				Reve	enue.	Expen (excludin		
Harbour Board.		Loan Indebted- ness.	Wharf- age and Harbour Dues.	Total.	Working Expenses.	Total (including Interest and Redemption).	Surplus (+) or Deficit(-).	
Bowen			293,090	16,851	26,695	11,643	25,876	+ 819
Bundaberg	• •	• •	31,512	1,576		3,728	5,155	- 1,813
Cairns			163,004	90,702	3,342	97,786	124,384	+ 3,565
Gladstone			105,067	15,574	40,304	22,564	39.355	+ 949
Mackay			354,794	117,810	123,146	23,955	55,053	+ 68,093
Rockhampto	n		528,637	25,366	32,970	27,510	33,921	- 95 1
Townsville			135,137	111,070	156,313	97,710	124,817	+ 31,496
Total,	1950		1,611,241	378,949	510,719	284,896	408,561	+ 102,158
,,	1949	•••	1,523,644	347,843	464,450	307,716	431,359	+ 33,091
,,	1948		1,477,076	280,360	371,987	213,700	364,118	+ 7,869
**	1947		1,481,213	234,872	328,464	205,572	330,022	- 1,558
**	1946	••	1,489,281	227,931	324,850	175,948	320,078	+ 4,772
**	1939	••	1,548,144	249,510	401,439	139,752	343,083	+ 58,356
			J	I	1		1	1

4. South Australia.—The South Australian Harbours Board. All South Australian harbours are controlled by the South Australian Harbours Board, which consists of three Commissioners appointed by the Governor for a period of five years and eligible for re-appointment. The Board is responsible to the Minister of Marine for the discharge of its duties and functions, and controls about 60 ports, but at many of them there is little

or no shipping movement. The more important are Adelaide, Augusta, Lincoln, Pirie, Wallaroo and Whyalla. Maximum depths of water (low water ordinary spring tide) at the wharves of these ports range from 20 to 24 feet at Pirie to 35 feet at Adelaide (Outer Harbour). The following table shows the finances of the Board for 1938-39 and 1945-46 to 1949-50.

SOUTH AUSTRALIAN	HARBOURS	BOARD:	FINANCES.
	1.5		

				- (Z.)				.,
		Capital Expendi-		, E	Surplus (+)			
Year.		ture to 30th June.	Revenue.	Working Expenses.	Interest.	Sinking Fund.	Total.	Deficit (-).
1938–39 1945–46 1946–47 1947–48 1948–49 1949–50		7,861,905 8,224,568 8,283,775 8,367,780 8,456,041 8,545,084	600,658 747,071 873,059 938,797	205,848 322,010 371,749 386,459 503,563 583,965	326,719 301,583 288,833 281,517 281,110 281,691	50,000 22,696 25,069 27,585 30,356 33,327	685,651 695,561 815,029	- 45,631
		i						`

5. Western Australia.—(i) Fremantle Harbour Trust. Fremantle Harbour is controlled by a board of five Commissioners appointed by the Governor-in-Council. Maximum depth of water (low water ordinary spring tide) at the entrance to the harbour is 36 feet, and at the wharves 32 feet. The length of wharf berth accommodation is 10,566 feet.

Gross earnings for the year 1948-49 amounted to £1,030,816, working expenses to £633,175, interest £130,633, sinking fund £30,964, renewals fund £2,000, and payment of surplus cash to Consolidated Revenue £195,880. Corresponding figures for 1949-50 were £1,243,046, £742,596, £117,791, £32,721, £2,000 and £311,468. The total amount debited to loan capital account at 30th June, 1950 was £2,976,677.

(ii) Bunbury Harbour Board. The Bunbury Harbour Board consists of five members appointed by the Government. The depth of water at the entrance and at the wharf is 27 feet (low water ordinary spring tide). Berthage accommodation is 3,700 feet. Gross earnings in 1948-49 were £19,669, working expenses £29,083, and interest £28,969 (1947-48, £22,818, £34,815, £28,363). The total amount debited to loan capital account at 30th June, 1949 was £776,646.

(iii) Other Ports. Only the ports of Fremantle and Bunbury in Western Australia are under the control of trusts, the remainder are Government operated. Of these, Albany, Carnarvon and Geraldton and Onslow have the largest amount of shipping movement.

6. Tasmania.—There are seven Marine Boards and two Harbour Trusts in Tasmania. The Marine Boards control the ports of Hobart, Launceston, Circular Head, Burnie and Table Cape, Devonport, Strahan, and King Island (Currie), and the Harbour Trusts those of Smithton and Leven. Aggregate receipts of revenue accounts of all these authorities during the year 1948-49 were £368,751 and expenditures £318,528, including loan charges £56,252. Corresponding figures for 1949-50 were £385,506, £397,469 and £61,973. The total receipts of the Hobart Marine Board during 1948-49 were £147,901, loan charges £2,351 and total expenditure £122,669. Corresponding figures for 1949-50 were £144,914, £6,186, and £141,523. Launceston Marine Board receipts during 1948-49 amounted to £83,927, loan charges to £9,893 and total expenditure to £83,927. The figures for 1949-50 were, respectively, £86,639, £9,893 and £86,639. Loan indebtedness of all Marine Boards and Trusts at 30th June, 1950 was £1,179,480, of which £279,620 was in respect of Hobart and £81,431 in respect of Launceston.

Hobart, Launeeston, Burnie and Devonport are the principal ports of Tasmania. In addition to their interstate and intra-state traffic, there is also considerable oversea shipping. Depths of water at wharves vary, in general, between 16 and 34 feet (low water ordinary spring tide), but at Hobart there is a depth of water of from 30 to 52 feet.

§ 7. Fire Brigades.

1. New South Wales.—(i) General. A Board of Fire Commissioners, consisting of eight members, operates under the Fire Brigades Act 1909–1949, and 151 fire districts had been constituted at the end of 1950. The cost of maintenance of fire brigades has been borne in proportions of quarter, quarter, and half by the Government, the municipalities, and the insurance companies concerned, the expenditure so regulated that the proportion payable by the councils in a fire district should not, except in special circumstances, exceed the amount obtainable from \(\frac{1}{2}\)d. in the \(\frac{1}{2}\)I rate on the unimproved capital value of ratable land in the fire district. In June, 1949 legislation was introduced (i) increasing the limit of the Board's borrowing power from \(\frac{1}{2}\)500,000, (ii) providing for the varying of the maximum rate that may be levied by councils, and (iii) altering the basis of contributions so that from 1st January, 1950 local councils and the Government will each pay one-eighth and the insurance companies three-quarters.

Other legislation, introduced in September, 1949 to improve and modernize the law dealing with the prevention of bush fires and to build up the organization of the bush fire-fighting services, provided for the establishment of Fire Regions and a Bush Fire Fighting Fund to be financed from contributions by the Government, councils and insurance companies in the proportion of one-quarter, one-quarter and one-half, respectively. The contribution of any council shall not exceed one-twentieth of a ponny in the £1 on the unimproved capital value of ratable land in the area of the council not being land within a fire district constituted under the Fire Brigades Act 1909–1949.

- (ii) Board of Fire Commissioners of New South Wales. At 31st December, 1950 the authorized strength of the Fire Brigade throughout the fire districts of New South Wales was 292 officers and 823 permanent, 2,039 volunteer, and 1,924 reserve firemen. Corresponding figures for the Sydney Fire District were 240, 774, 321 and 778. The revenue for the year 1950 (figures for the year 1949 in parentheses) was £1,096,617 (£929,610), made up as follows:—From the Government, £134,401 (£226,205); municipalities and shires, £134,401 (£226,205); fire insurance companies and firms, £806,406 (£452,410); and from other sources, £21,409 (£24,790). The disbursements for the year were £1,087,606 (£1,030,269).
- 2. Victoria.—(i) General. The Fire Brigades Act of 1928 provided for a Metropolitan Fire Brigades Board and a Country Fire Brigades Board each consisting of nine members. In December, 1944 the latter Board was superseded by the Country Fire Authority under an Act of that title, and the number of members was increased to ten. The income of each Board is derived in equal proportions from the Treasury, the municipalities and insurance companies.
- (ii) Metropolitan Fire Brigades Board. On 30th June, 1950 the Board had under its control 42 stations, 580 permanent staff, 162 special service and clerical, etc. staff, and 20 partially-paid firemen. The total receipts for 1949-50 (1948-49 in parentheses) were £583,867 (£383,702), comprising contributions £470,179 (£279,764), receipts for services £66,419 (£68,350), and interest and sundries £47,269 (£35,588). The expenditure was £525,954 (£373,526).
- (iii) Country Fire Authority. This authority, constituted in 1944, is responsible for the prevention and suppression of fires in the "country area of Victoria", which embraces the whole of the State outside the metropolitan fire district, excluding State forests and certain crown lands. The country area has been divided into 24 fire control regions, three of which (Ballarat, Bendigo and Geelong) are wholly urban and the remainder mixed urban and rural. At 30th June, 1950 there were 171 municipal councils and 126 insurance companies included in the operation of the Act, and 194 urban and 940 rural fire brigades. The effective registered strength of the brigades was 73,717 members.

The receipts for the year 1949-50 (1948-49 in parenthesis) amounted to £135,445 (£115,623). Total expenditure other than loan amounted to £135,069 (£115,574).

- 3. Queensland.—(i) General. The Acts of 1920–1931 made provision for the retention of existing fire districts, and for the constitution of new districts. For each district there must be a Fire Brigades Board consisting of seven members, and the cost of maintenance of each brigade is proportioned as follows:—The Treasury two-sevenths, insurance companies three-sevenths, and local authorities two-sevenths. All volunteer fire brigades in a district must be registered.
- (ii) Fire Brigades Boards. At 30th June, 1950 there were 63 Fire Brigades Boards. The total number of stations was 105, and full-time staff numbered 463, including 13 administrative, 84 officers and 351 firemen. Workshop staff numbered 15. Part-time staff numbered 571, including 63 administrative, 84 officers and 424 firemen. Volunteers numbered 370. The total revenue for the year 1949-50 (figures for 1948-49 in parentheses) was £396,182 (£308,391), received mainly from the following sources—Government £95,312 (£77,681), local authorities £94,971 (£78,053), insurance companies £142,873 (£117,160), and loans (Government and other) £47,967 (£20,012). The total expenditure for the year was £386,760 (£317,689), the chief items being salaries and wages £233,467 (£212,009), and interest and redemption of loans £34,235 (£24,556).
- 4. South Australia.—The Fire Brigades Act 1936-1944 provides for a board of five members, and the expenses and maintenance of brigades are defrayed in the proportion of two-ninths by the Treasury, five-ninths by insurance companies, and two-ninths by the municipalities concerned. The contribution of the Treasury, however, is limited to £10,000 and if two-ninths of the expenses and maintenance exceeds this amount, five-sevenths of the excess is contributed by the insurance companies and two-sevenths by the municipalities. At 30th June, 1950 there were altogether 34 fire brigade stations, of which 12 were metropolitan and 22 country.

The authorized strength of the permanent staff was 329, including 233 officers and men and 77 country auxiliary firemen. The total revenue for the years 1948-49 and 1949-50 was £129,312 and £166,783 respectively, the latter figure being made up as follows:—insurance companies £104,310, Treasury £21,144, and municipalities £41,329.

- 5. Western Australia.—In 1942 certain Municipal and Road Board Districts were constituted fire districts under the control of the Western Australian Fire Brigades Board. There were 27 at 30th June, 1950. The income of the Board is derived in the proportion of two-ninths from the Government, two-ninths from Local Government Authorities, and five-ninths from insurance companies. The number of local government authorities and insurance companies who contributed numbered 52 and 113 respectively. The brigades throughout the State controlled by the Western Australian Fire Brigades Board at 30th September, 1950 numbered 43, with a staff of 1,173, including 210 permanent officers and firemen and 947 volunteer brigade officers and firemen. In addition, there were at 30th June, 1950, 394 registered bush fire brigades sponsored by local authorities under the Bush Fires Act 1937–1950. A Rural Fire Prevention Advisory Committee, acts in an advisory capacity. The revenue for the year ended 30th September, 1949 was £127,395 and the expenditure £134,571. Corresponding figures for the year ended September, 1950 were £156,548 and £149,144.
- 6. Tasmania.—The Fire Brigades Act 1945 provided for the creation of the Fire Brigades Commission of Tasmania to co-ordinate the activities of the 22 existing Fire Brigades Boards, while leaving the responsibility for individual control and management with the Boards. The Commission consists of five members nominated or elected by the Fire Brigades Boards and one member nominated by the Minister. Contributions towards the cost of operations remain on the old basis of one-third each from the Treasury, the municipalities and the insurance companies concerned. The cost for the year 1948-49 amounted to £33,409 and for 1949-50 to £35,953. There were at 30th June, 1950, 27 stations amongst the 22 brigades, and their aggregate staffs numbered 398, including 68 permanent officers and 306 partially-paid firemen, including officers.