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annual report 19

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# PARLIAMENT OF NEW SOUTH WALES

# REPORT

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OF THE

# DEPARTMENT OF PUBLIC WORKS

FOR THE

Year ended 30th June, 1962

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# DEPARTMENT OF PUBLIC WORKS

# NEW SOUTH WALES

# Annual Report for the Year 1961-1962

The Director of Public Works to the Honourable Phillip Norman Ryan, M.L.A., Minister for Public Works. Sir.

I have the honour to present to the Minister the Annual Report of the Department of Public Works for the year ended 30th June, 1962.

#### I. ADMINISTRATION

The following officers are in charge of the various activities

Assistant Director, J. C. C. G. Humphrey, LL.B.

Chief Engineer, F. W. Potter, B.E., A.M.I.C.E. (Aust.). Government Architect, F.R.A.I.A., M.R.S.H. E. H. Farmer, B. Arch.,

Secretary, C. E. Jenkins, A.A.S.A.

Principal Engineer, Harbours and Rivers, A. R. Ford, B.E., M.I.C.E., M.I.E. (Aust.).

Principal Engineer, Water Supply and Sewerage, L. N. Jamieson, M.C.E., A.M.I.E. (Aust.).

Principal Designing Engineer, J. E. Dryden, B.E.

Local Government Engineer, J. A. E. Cameron, A.S.T.C., A.M.I.E.A.

Manager, Building Construction and Maintenance, A. J. White, C.E., A.M.I.E. (Aust.).

Plant Engineer, W. P. Bannister, A.M.I.E. (Aust.).

Principal Surveyor, R. E. Doyle, Reg. Surveyor.

Accountant, L. A. Davis, A.A.S.A., A.C.I.S.

Legal Officer, J. M. Dymock, LL.B. Chief Clerk, A. A. Poirrier.

Superintendent of Stores, B. W. Phillips.

Administrative Officers

General, T. H. Walker, LL.B.

Organisation and Methods, A. G. Dunstan, A.A.S.A. Engineering, T. A. Mackintosh, A.S.T.C. (M. & L.G. Eng.).

Chief Testing Officer, J. McC. Shortis, A.S.T.C. (Chem.), A.R.A.C.I.

Director, State Dockyard, Newcastle, H. D. Harding.

Manager, State Brickworks, P. H. Thomson.

Manager, Government Motor Garage, A. T. Hahn.

Engineer Superintendent, Dredge Service, G. T. Baker, A.S.T.C.

# II. LEGISLATION

I egislation passed during the year:-

Tweed Heads Harbour Works Act, 1961.

This Act authorised the carrying out of works at Iweed Heads estimated to cost £390,000 to improve Iweed Heads Harbour.

Port Kembla Inner Harbour (Further Construction) Act, 1961.

This Act authorised the carrying out of works, new wharf, dredging, railway access, and associated works, to Port Kembla Harbour, estimated to cost £2,500,000.

Public Works (Amendment) Act, 1961.

This Act made provision for the authorisation of public works costing up to £200,000 by Executive Council Minute, for the authorisation in similar manner of the construction of several classes of public buildings and institutions notwithstanding that the estimated cost exceeds £200,000; for the sale or lease of superfluous land with approval of the Governor in such manner as the Constructing Authority deems expedient; to confirm the validity of the authorisation of certain works already undertaken and for purposes connected therewith.

### III. FINANCIAL

(For details see Appendix I)

Expenditure and repayments on works and services are summarised as follows:

	Gros Expend		е	Receipts Repaym		
	£	g.	d.	£	g.	d
Consolidated revenue				685,975		
General loans				1,173,575		6
Special deposits account Consolidated revenue—	33,771,606			23,903,681		0
grants, loans, advances, etc.		12	7			
		15	4	25,763,231	18	9
Payments made direct by other departments for works and services carried out		1	1			
	48,246,733	16	5	25,763,231	18	9
Gross expenditure				47,952,461	15	4
Less receipts				25,763,231		9
	t pathod I			22,189,229	16	7
Add—Loan expenditure not costed in Head Office—						
State Dockyard	95,000				***	
State Terracotta Tileworks	33,769	17	4	128,769	17	4
Net expenditure	******			22,317,999	13	11

#### IV. HARBOURS AND RIVERS

(For details see Appendix II)

The main activities of the Branch in construction and maintenance for the year were:—

#### NEWCASTLE HARBOUR

On behalf of the Maritime Services Board, the Port Authority, a contract for £3,000,000 was let for the removal of rock in Newcastle Harbour and work is about to commence on the site.

In addition, wharfage work within the Harbour continued with amenities and utilities being constructed on Wickham Wharf, and foundation testing was carried out preparatory to construction of Throsby Basin No. 1 and 2 berths on the site of the existing oil berth. A further preliminary to the latter work was the construction of a temporary oil berth, placed in operation in August, 1961.

Extensive dredging was still required to maintain the channels. The problem was intensified by the large quantity of silt deposited by a flood during the year.

Work to a value of £58,000 was carried out on other wharves in the harbour and the southern breakwater, at the request of the Maritime Services Board.

It is evident that the change of authority in the Port of Newcastle has had little effect on this Branch's activities in that area. In fact, the Branch now has the additional work of maintenance of the Railway Berths.

#### NEWCASTLE DISTRICT

Work on the Reclamation of the Islands continued, approximately 6,000,000 cubic yards of material having been pumped ashore and 3,000 lineal feet of foreshore protection completed. At this stage of the work, with the imminent release of the reclaimed lands, greater public interest is being taken in the project.

Hunter Valley flood mitigation works continued, with the completion of a bank protection wall at Berry Park and the installation of four floodgates as part of the Nelson Plain drainage system.

#### PORT KEMBLA DISTRICT

The Inner Harbour contracts for dredging and rock removal were practically completed. Work by day labour is in progress for the construction of the Coal Berth wharf and rail embankment. In conjunction with this work a contract has been let for the supply and installation of the coal handling plant. Storage will be provided for 140,000 tons of coal.

A programme of wharf and berth maintenance and improvements was carried out.

# LISMORE DISTRICT

Brunswick Heads Harbour Works were completed and officially opened on 17th February, 1962. At the close of the year construction was continuing on Evans Heads Harbour Works and Tweed Heads Harbour Works, with construction of the Northern Breakwater and near completion of the 390 foot long bridge over the Evans River on the former, and construction of access roads and the opening up of the quarry for the latter work.

#### COFF'S HARBOUR DISTRICT

Macleay River, Shark Island Diversion was completed. Coff's Harbour Jetty and Macleay and Hastings Rivers breakwaters were repaired, together with some dredging of the Hastings River and other maintenance works.

#### METROPOLITAN DISTRICT

The construction of sheet pile walling bank protection in Cooks River was again the main work undertaken.

#### CLARENCE HARBOUR WORKS

Activity on this project was concentrated on construction of the Southern Breakwater, which was extended to 1,790 feet and is approximately 40 per cent complete. Maintenance only was carried out on the Northern Breakwater.

#### GENERAL.

Other work included flood mitigation constructions on coastal rivers by some shire and county councils on a 2/3 subsidy basis, various investigations at the Manly Hyradulic Laboratory, and dredging of navigable channels in coastal rivers and ports.

#### V. WATER SUPPLY AND SEWERAGE

(For details see Appendix IIIA)

The construction of water supply and sewerage works continued in a large number of country areas, either by day labour, contract or by local Councils under the supervision of Departmental Engineers.

#### Major Water Supply Works

#### HUME RESERVOIR

The raising and strengthening of this structure were completed. A paper was published on the procedures finally adopted which has added to the technical knowledge concerning work of this nature.

#### THE ENTRANCE

Due to the absence of a suitable site, the dam embankment has been built on a foundation of 10 feet of clay overlying 30 feet of sandy silt, with a unique design of drainage to prevent failure. Work has progressed to a point where storage will commence shortly. The pumps and rising main are practically complete, and supply is scheduled for 1963.

#### FISH RIVER

The laying of 29 miles of steel pipeline from Oberon to Leura by contract is continuing. A tunnel approximately 3,000 feet in length, constructed in bad ground, required excavation to be carried out under air pressure to prevent collapse, and is near completion.

# COONABARABRAN WATER SUPPLY AND SEWERAGE

The dam and gravitation main are completed and supply connected; the sewerage is proceeding with completion scheduled for June, 1963.

#### LOWER CLARENCE

This work is being done by day labour and includes the laying of approximately 100 miles of asbestos cement pipes, 21-in. to 4-in. diameter, to service the area from Grafton to Yamba. This is the first occasion the Department has used such large diameter asbestos cement pipes. Material economy has resulted from this innovation.

#### TWEED DISTRICT

Tweed Shire Council is constructing this weir and reticulation to Departmental plans and specifications to service Murwillumbah to Tweed Heads.

#### SEWERAGE WORKS

The Department is constructing sewerage schemes at Boorowa, Coonabarabran, Wentworth, Coonamble, Lawson, Crookwell, Mullumbimby and Oberon, whilst those at Portland and Springwood have been completed.

The Department is exercising general oversight of sewerage works at Broken Hill, Lismore, Tumbarumba, Wauchope and Wingham, under construction by the appropriate Authorities.

### VI. ARCHITECTURAL

(For details see Appendix IV)

The volume of work in the design and construction of new buildings has again increased, sketch plans and working drawings to the value of £46,773,700 having been prepared, whilst construction expenditure was of a total of some £23,000,000.

The reorganisation of the secondary school programme has necessitated a revision of accommodation requirements, and this has had a bearing on planning of schools required for the 1964 year.

The scheme for the use of the Prince of Wales Hospital as a teaching hospital for the University of New South Wales undergraduates and post-graduates necessitated extensive remodelling and additions to establish the hospital for this purpose. The work is well under way.

The subject of major steam raising plants in hospitals was considered in conjunction with the Department of Public Health and the Hospitals Commission, and plans and specifications were revised to enable advantage to be taken of the diversity of equipment available. Advantage will accrue in respect of performance and efficiency.

The psychiatric hospitals' building requirements have varied with a new concept of treatment involving greater use of day hospitals in conjunction with existing hospitals.

Plans for standard type hospital units for children of various age groups and conditions, psychiatric community centres, and outpatients' departments in various suburbs and in close proximity to the General Hospitals were developed.

Initial planning commenced for the complete re-organisation of the Callan Park Mental Hospital and the remodelling of two selected wards, known as project wards, in each Mental and State Hospital in New South Wales.

The new Government Office Building advanced a further stage with the excavation of the site and a contract being let for the supply and fabrication of the structural steelwork. Tenders were called for the lifts and air conditioning plant, closing July-August, and tenders for the erection of the building itself are expected to be called in October-November, 1962.

Works completed during the year totalled 319 at an estimated cost of £16,735,400; 17 works are still in progress since prior to 1st July, 1961, estimated to cost £6,712,400, and works commenced during the year and still in progress total 176, at an estimated completed cost of £13,487,050.

#### VII. BUILDING CONSTRUCTION AND MAINTENANCE

(For details see Appendix V)

There was an uptrend in activities throughout the State as indicated by the expenditure in the Metropolitan area of £5,009,745 as against £4,211,017 in the previous year.

Maintenance expenditure on schools was £1,550,000 in the Metropolitan area and £1,006,000 for the rest of the State. Maintenance of other public buildings including State Institutions and Mental Hospitals was carried out, covering renovations, modernisation and standard maintenance at a cost of £1,665,000. Some of this work was at Technical Schools and Hospitals with funds provided by the Department of Technical Education and the Hospitals Commission. An extensive country building maintenance programme was continued.

A total of 216 classrooms at 80 locations costing £1,986,235 were erected in the Metropolitan area.

Major projects carried out were as follows:-

Extensive renovations at Darlinghurst Court House, Supreme Court, Central Court and District Court buildings.

Improved lighting of the National Art Gallery.

Renovation and remodelling of the New Police Headquarters and Agriculture Department's buildings.

Renovations at "Garrawarra" Hospital, Strickland Convalescent Hospital and Parramatta Girls' Training School.

Conversion of Liverpool State Hospital to a Technical College and remodelling of East Sydney Technical College to provide additional accommodation.

The number of employees on the day labour staff in the Metropolitan area increased by 204 to 2,064 at the close of the period.

#### VIII. LOCAL GOVERNMENT ENGINEERING

(For details see Appendix VI)

Allocations totalling £4,995,300 were made to 232 shires and municipalities and the Department of Main Roads for rural road development, whilst £174,338 was distributed to 61 councils for the restoration of flood damage to roads, bridges, etc.; £14,000 was distributed to six councils as grants for bank erosion protection works. Grants totalling £65,772 were made to councils towards construction of five bridges to replace subsidised ferries.

Revenue Vote funds were again limited to £47,500 and were distributed by way of 108 grants to councils for construction, repair and renewal of works. Through this restriction many applications had to be deferred.

Grants totalling £70,000 were made to 29 councils to assist construction of Olympic swimming pools in country towns.

A Federal grant of £500,000, augmented by an allocation of £75,000 from C.A.R. Act funds and a Treasury allocation of £126,000, was distributed as relief for unemployment throughout the State.

#### IX. ENGINEERING DESIGN

(For details see Appendix VII)

No significant change in the volume of work occurred in the period. Major designs undertaken included the Port Kembla Coal Loading Wharf and the checking of detailed designs of the coal loading plant submitted by the Contractor.

Water supply schemes were designed for Kootingal-Moonbi, Attunga, Bendemeer, Yeoval and Bulahdelah, the latter notable for having a fish ladder incorporated in the weir. The design of a large sludge treatment plant for Bathurst Sewerage, involving sludge heating by digestion gases, was also undertaken.

# X. SURVEY AND SURVEY DRAFTING

(For details see Appendix VIII)

All classes of survey work were carried out for this and other Departments, Government Instrumentalities and Local Government bodies.

Engineering, land and hydrographic surveys were made for country towns' water supplies and sewerage works, harbours and rivers, flood mitigation, reclamations, buildings (universities, schools, hospitals, court houses, police stations, penitentiaries, etc.), sales and leases of departmental lands.

A large volume of surveys was again carried out for the Department of Education, including engineering surveys for contour plans for sewerage, drainage and ground improvements and numerous boundary surveys for the acquisition of sites for new schools, additions to existing sites, etc., the total surveys being an increase of 36 to 274.

The survey drafting field remained about the same, much of the work being for the Education Department and the Electricity Commission.

In the plan printing and mounting section, the 16-mm. and 35-mm. microfilm units prepared 524,942 negatives, of which 500,756 were of records of other Departments and Instrumentalities. Heliographs prepared totalled 131,685.

# XI. STORES

(For details see Appendix IX)

A substantial increase in activities occurred, requisitions received increased to 16,373, orders issued to 15,870, and quotations called to 1,450. These figures include the new function of requisitioning and ordering for the complete outfitting of institutions constructed for other Departments.

Steel inspections were increased due to the commencement of the Fish River Water Suppy steel pipeline as foreshadowed in last year's report, and, together with increased demands for inspection of steel generally, spun pipes, fibrolite pipes, valves, castings, etc., required the appointment of additional inspectors. A recent expansion in the asbestos cement pipe manufacturing field will require the appointment of further inspectors in the near future.

The Department's Workshop and Store, Leichhardt, were fully engaged in the repair and maintenance of plant, fabrication of structural steelwork, and the receipt and issue of stores and materials.

To the advantage of the Department and employees, a nine-week training course was held in employees' time for interested welders at the Depot, which enabled five to obtain their Department of Labour and Industry Pressure Tickets and so produce a higher class of work.

#### XII. TESTING AND INSPECTION

(For details see Appendix X)

Cement testing showed a substantial decrease of 1,740,000 bags from last year to a figure of 3,558,000 bags, caused by the cessation of testing for the Snowy Mountains Hydro-Electric Authority and the Warragamba Dam.

Physical and chemical testing of concrete cylinders, steel rope, mortar, sand, etc., all increased with the exception of testing of concrete cylinders for the Department of Works, that body having purchased a compression testing machine.

#### XIII. PLANT

(For details see Appendix XI)

During the year No. 1 Plant to a value of £210,018 was acquired, including motor vehicles costing £59,766. In addition, plant and equipment valued at £56,000 was purchased on behalf of Departmental projects.

Technical advice was made available to all branches as required, and the Scientific Instrument Section continued to provide an efficient maintenance and repair service for instruments for this and other Departments.

#### XIV. STATE DOCKYARD

(For details see Appendix XII)

The Dockyard again operated profitably and for the 20th successive year returned a substantial surplus, the turnover and net profit being £3,836,770 and £317,049 respectively. The sum of £188,459 was allocated from the net profit for payment of weekly profit-sharing dividends during 1962-63, the total so set aside since inception of the scheme in 1951 being £1,352,545.

Employment has increased by 221 to 1,789 at the close of the year at 31st March, 1962.

Work proceeded on the construction of diesel engines, under licence, for use in vessels under construction.

Heavy engineering works were again carried out for Barren Gorge Hydro Electric and Vales Point Power Stations, for other government requirements, and for industry generally.

Plant, buildings and construction berths were all improved and extended to ensure the continued efficient operation of the undertaking.

Since the inception of the Dockyard in 1942, 54 vessels have been completed and 6 are under construction. A hopper barge of 700 tons capacity for the department and a 2,000 tons D.W. Vessel for the Australian Shipbuilding Board were completed in the year.

#### XV. STATE BRICKWORKS

(For details see Appendix XIII)

The net profit for the year 1961-1962 was £90,975, with brick prices at £20 2s. 6d. and £15 3s. 6d. per 1,000 which were £1 17s. 0d. and 12s. per 1,000 below trade rates for face and commons, respectively. Production was 39,960,600 common bricks and 14,050,300 face bricks.

Increasing use of automatice stokers and ventilation equipment has increased the production capacity of common bricks to 1,000,000 per week, whilst the use of fork lift handling, cooling fans and firing modifications has enlarged face brick production capacity to 350,000 per week, the overall capacity now being of the order of 63,000,000 bricks per annum.

Maintenance and essential improvements to kilns, buildings and equipment were carried out to enable continued efficient functioning of the Brickworks.

Employment increased by two Public Service Board appointees and 21 Ministerial employees, respectively, to 40 and 400, whilst 50 contract brick carters and six hired vehicles remained the same as last year.

#### XVI. GOVERNMENT MOTOR GARAGE

(For details see Appendix XIV)

Expenditure and receipts rose by £10,393 and £17,243 to £137,802 and £146,254, respectively.

Special jobs carried out include the following for the Police Department:—

Ten special patrol vans.

Special trailer for flood rescue.

Fitting out new launch.

Fitting up truck chassis for Diving Station.

Outboard motor units for the Department of Civil Defence are now being reconditioned at the Garage.

Further items of plant were purchased to assist the speed of repairs and increase efficiency.

Employment remained constant at 65 employees.

# XVII. STANDARDS ASSOCIATION OF AUSTRALIA

The Department continued to make available the services of its officers for representation on Association Committees dealing with the issue of new specifications and codes; revising existing publications and interpreting the technical character of specifications, etc.

Assistance was also rendered to the Association in the revision of draft standards, whether of Australian, British or Empire origin.

# XVIII. PERSONNEL

(For details see Appendix XV)

A total of 258 new officers commenced during the year, whilst 92 resignations were received from the professional and clerical divisions.

Training facilities were provided for eight fellows under the Colombo Plan.

Tutorial discussion classes in Departmental procedure were attended by 70 officers, including 30 professional division officers attending voluntarily.

Sixty-nine sponsored trainees are now attending full-time courses at Universities.

Recruit trainees were again given a two-week induction course upon commencement in the Department.

#### XIX. STAFF

#### Professional

The difficulty of recruiting professional staff persists, the present establishment being below strength in spite of advertising and efforts to secure suitable overseas staff.

#### Senior Administrative

The administrative structure was further reorganised with the appointment of Administrative Officers covering Engineering, Organisation and Methods, and General; with a further position covering Architecture yet to be filled.

The following officers retired during the year, following long and meritorious service:—

Mr. M. R. Downie, Chief Clerk.

Mr. D. A. Evans, Principal Engineer, Government Architect's Branch.

Mr. J. Turnbull, Engineer, Dredge Service.

Miss J. F. Ross, Architect.

Mr. G. H. G. Goscombe, Architect.

Mr. H. C. Grimster, Specification Writer.

Mr. J. H. Farrands, Supervisor, Dubbo.

Mr. W. J. Bourke, Staff Clerk.

Mr. K. O. Ward, Senior Clerk, Water Supply and Sewerage Branch.

Mr. J. Torpey, Senior Accounts Clerk, Building Construction and Maintenance Branch.

Mr. R. Green, Timekeeper, Port Kembla.

Mr. J. Young, Messenger.

It is with regret that I record the death of:-

Mr. H. B. Hughes, Accounts Inspector.

Mr. R. W. Short, Senior Clerk, Port Kembla.

Mr. R. G. Roberts, Foreman, Newcastle.

Mr. J. L. P. Price, Clerk. Building Construction and Maintenance Branch.

#### XX. GENERAL

During the year the Assistant Director, Mr. J. C. C. G. Humhprey, accompanied by the Principal Engineer, Harbours and Rivers, Mr. A. R. Ford, travelled to England and the Continent inspecting hydraulic laboratories and investigating work done on problems similar to the siltation problem at Newcastle Harbour. One result has been the retention of the Wallingford Research Station as Consultant in the Newcastle Harbour siltation model investigation.

#### XXI. ACKNOWLEDGMENT

The programme of work undertaken during the year made heavy demands on the staff, and I gratefully acknowledge the efforts of all those who contributed towards the Department's achievements.

Yours faithfully,

R. A. JOHNSON, B.A., LL.B., Director of Public Works.

# APPENDIX I

# FINANCIAL

### Expenditure

# WORKS AND SERVICES

The expenditure and repayments in respect of works and services are summarised as follows:—

	Gross Expenditure			Receipts and Repayments				
	£			£	s.	d.		
Consolidated Revenue				685,975	10	3		
General Loans	8,454,360			1,173,575				
Special Deposits Account Consolidated Revenue—	33,771,606	15	7	23,903,681	0	0		
Grants, Loans, Advances, etc.	8,760	12	7					
Payments made direct by other	47,952,461	15	4	25,763,231	18	9		
Departments for Works and Services carried out	294,272	1	1		••			
£	48,246,733	16	5	25,763,231	18	9		
Gross expenditure				£ 47,952,461 25,763,231	15	d. 4		
Add—loan expenditure no costed in Head Office—	t £	s.	d.	22,189,229	16	7		
State Dockyard State Terracotta Tile		0	0					
works		17	4	- 128,769				

### Consolidated Revenue Fund

DETAILS OF EXPENDITURE AND RECEIPTS

	Expend	itur	e	Receipts
Salaries and payments in the	£	s.	d.	£ s. d.
nature of salaries	1,637,099	19	10	
penses other than salaries  Maintenance of public works and services—	181,378	10	1	*** **
Harbours and rivers	261,384	16	4	
Dredge service	334,816			
Public buildings	1,299,990			
stormwater drainage	11,566	9	11	
State telephone services	352,585			
Electricity and gas	783,184			****
River Murray Works	78,925			*** *1
Miscellaneous works and services not elsewhere included	141,793			
Other services— Junee water supply—estima-				
ted deficit on working South West Tablelands Water Supply—estimated	11,500	0	0	*****
deficit on working Leichhardt Depot—care and custody of idle plant and	73,000	0	0	
stock	4,500	0	0	*****
construction, repairs and renewal of works  Grants to municipal and shire councils in respect	47,491	9	4	
of flood damage	2,205	0	0	

DETAILS OF EXPENDITURE AND RECEIPTS—continued

	Expenditure			Receipts					
Other services—continued Circular Quay improvements —cleaning promenade, painting and general main-	£	s.	d	£	s.	d.			
tenance Departmental magazine	606	5	1	•••••					
Stateworks—subsidy to- wards publication costs Australian Engineering ('on- ference and Committees	230	0	0						
—contribution towards secretarial costs, etc Fees payable to consultants	25	0	0						
in respect of architectural works	479,998	3	8						
National Association of Test- ing Authorities grant	264		0						
Post graduate and other courses for departmental officers	222	14	0						
Newcastle floating dock— crane and slipway repairs	8,759	0	0						
Departmental trainees fees, superannuation, etc	2,654	16	8						
Treasurer's Advance Ac-									
count— Overseas trip by Mr. J. C. Humphrey, Assistant Di- rector and Mr. A. R. Ford, Principal Engineer, Har-									
bours and Rivers Eden Jetty, Fendering—loss	2,583	2	11						
of hydraulic jack—ex gratia payment Newcastle Harbour Siltation —Services of Wallingford	5	0	0						
Hydraulic Research Station	112	15	8						
—consultants fees  Ireasury Special Revenue Vote—	850	0	0	*****					
Monetary value of leave payable to dependant relatives of deceased									
public servants	8,331			******					
Unforeseen expenses Exchange on remittances	190 238				Ä				
Revenue received and paid into consolidated revenue— Repayments to previous									
years		.,		157,819					
dered—cost of supervision Exchange on remittances Receipts returned—transfer				48,530 361					
under section 31 Audit Act	*****			1,242	9	Ŋ			
Rent ex land On-cost to cover design and supervision in connection	****	•		8,423	19	1			
with architectural works Commission to cover cost of collection of premiums—				363,663	7				
group assurances schemes, etc.  Payments by Undertakings of Department of Public Works of the employees	****	•		1,529	17				
liability to State Super- annuation				17,988	13	1.5			
for special port facilities sale of plans, etc  Repayments to Public	****			86,336	13				
Works fund—previous years	****			78	11				
						_			

# General Loan Account

### DETAILS OF EXPENDITURE AND REPAYMENTS

	Expenditure			Unissus	ble	le	
	£	8.	d.	£	s.	d.	
Harbours and rivers and	9 786 020	6	0	465 555	9	1	
dredges	2,786,039 543,039	7	2	465,555 1,125	0	0	
Sewerage and stormwater	040,000		0	1,120	V	V	
drainage	5,998	0	4	13,752	10	2	
Construction of water supplies and sewerages in shires							
and municipalities	607,994	7	0				
Public buildings				633,663	9	10	
Leichhardt Depot extensions	3,191	8	0	*****			
River Murray Commission State Brickworks—re—estab-	81,125	0	0				
ment				2,381	1	3	
Circular Quay improvements	48,683	6	9	15,839			
Advances to councils for con- struction of country killing							
centres	*****			41,258	8	10	
Construction of miscellaneous works in shires and muni-							
cipalities	70,000	0	0				
Total £	8,454,360	7	0	1,173,575	8	(	

# Special Deposits Account

# DETAILS OF EXPENDITURE AND RECEIPTS

	Balar 1st Ju			1	Rec	eipt	s	Expenditure	Balance at 30th June, 196	
	£		d.		£		d.	£ s. d.	£ s. d.	
ublic Works Store Advance Account	90,066	13	1		607,619	10	5	568,939 8 5	128,746 15 1	
uilding Construction and Maintenance Branch Working	489,555	19	7		5.053,474	0	4	4,817,671 19 9	725,357 19 2	
Account	400,000	10			0,000,11	U	*	1,011,011 10 0	120,331 19 2	
Working Account					35	1	8	21,864 11 8	21,829 10 0	D
redge Service Trading Undertaking Working Account	289,933	7	4		1,392,119	8	11	1,143,615 8 10	538,437 7 5	,
nclaimed Salaries and Wages Account	2,350	7	11		3,114	4	10	3,860 0 7	1,604 12 2	2
nclaimed Moneys Account	774	4	9		328	19	2	507 13 11	595 10 0	
ublic Works Department Working Account S.D. 9	162,347	0	3		6,976,179	13	11	6,555,918 6 5	582,608 7 9	)
ublic Works Department Working Account S.D. 9A	2,365	15	7		144,626	12	3	146,737 3 3	255 4 7	7
ublic Works Department Working Account S.D. 9c	28,485	12	1	Dr.	99,633	9	11	100,292 5 0	29,144 7 2	2 L
ublic Works Department Working Account S.D. 9D	7,093	3	2		411,460	11	10	326,712 12 1	91,841 2 11	
ublic Works Department Working Account S.D. 9E	158	12	10	Dr.	600,793	11	8	737,366 9 4	136,731 10 6	3 7
unter Valley Flood Mitigation Working Account	93,005	0	11		313	5	5	81,413 0 3	11,905 6 1	
rovision for arrears of maintenance and repairs to					1					
schools and police buildings	100,000	0	0		****			100,000 0 0		
curity Deposit Trust Account	114,091	7	2		124,198	0	6	106,521 16 0	131,767 11 8	3
nee Water Supply Working Account	10,279	4	10		36,051	3	1	35,110 0 8	11,220 7 3	
nee Water Supply-Renewal Reserve Account-Cash	3,008	19	2	Dr.	3,157	6	1		148 6 11	
nee Water Supply—Renewal Reserve Account—	1								110 0 11	
Securities	63.091	15	0						63,091 15 0	1
thungra Water Supply	210		0		427			430 10 5	206 19 2	
ant Control Account	57,919		4		429,007			451,957 16 3	34,969 11 11	
outh-West Tablelands Water Supply Working Account	45,794		5		207,903			225,598 3 8	28,100 1 6	
uth-West Tablelands Water Supply—Renewal	20,102		-		,			==0,000	20,100 1 0	,
Reserve Account—Cash	16,896	14	4	Dr	17,744	4	0		847 9 8	)
uth-West Tablelands Water Supply—Renewal			-	2	11,121		0		041 9 0	,
Reserve Account—Securities	329,999	18	6						329,999 18 6	ž:
ichhardt Depot Working Account	24,118		6		285,825	19		269,234 16 5	40,709 11 0	-
sting Branch Working Account	46,268	3	6		75,016			105,544 16 10	15,739 12 3	
sting Branch Leave and Depreciation Reserve		0			70,010			105,511 10 10	10,700 12 3	)
Account—Securities	24,400	0	0		1 1 10 10				24,400 0 0	
lance of Salaries—Adjustment Account	3,544	2	7		7,999			3,544 2 7	7,999 11 8	
vances to Officers for Purchase of Motor Cars	7,167	ĩ		Dr.				5,398 11 1		5 1
Ilwala Water Supply and Sewerage Working Account		18	î	Di.	11,638			11,598 6 8	84 2 2	
mmonwealth Aid Roads and Works Act, 1956			0		2,642			4,762,287 11 4		9
nmonwealth-State Grants for restoration of Flood-	x,100,011	La	U		2,012	10	-	4,702,207 11 4		
damaged Roads, Bridges, etc.	1,305	9	4	Dr.	1,393	15	10	88 6 6		
sh River Water Supply Scheme		8	9	Di.	11.000000000000000000000000000000000000				1 = = 00 1 0	
		19	7		500 137,668		1000		15,583 1 0	
sh River Water Supply Working Account	00,740	12	-		157,008	9	1	170,458 17 2	25,956 5 0	,
sh River Water Supply—Renewal Reserve Securities	90 000	0	0						90.000	
Account Paramal Barawal Barawal	38,800	U	0		****				38,800 0 0	,
sh River Water Supply—Renewal Reserve	7 004	- 0	0	D	0.0=1	10	0		000	
Account	7,824	8	3	Dr.	8,654	13	8	*******	830 5 5	)

# Special Deposits Accounts-Details of Expenditure and Receipts-continued

	Bala 1st Ju	2000		Receipts	Expenditure	Balance 30th June		
	£	s.	d.	£ s. d.	£ s. d.	£	s. d	1.
Testing Branch Investment Account Northern Coalfields Roads and Drainage Works	1	0		*********	95,000 0 0	20,000 95,000		0 Dr
Public Works Suspense Account— Generally	257,128	15	10	777,355 9 3	674,149 14 0	260 224 1	,	1
Annual, Sick and Long Service Leave to Ministerial		10	10	777,355 9 3	674,149 14 0	360,334 1	1	1
Employees	276,527		10	240,372 8 9	260,008 17 0	256,890 1		7
Hospitals Commission Snowy Mountains Hydro-electric Authority	3,593,437 25	6 9	4 2	4,545 15 4	3,765,486 4 5 44 16 2	167,503		9 Dr
Hume Reservoir Construction	115,301		3 Dr		349,303 19 8	33,548 1		6
Architectural Works	137,461	6	7	5,569,538 7 3	5,372,977 4 2	334,022		
Water Transport Works Commonwealth Grant for Unemployment Relief	301,402		2	56,244 11 10	294,786 19 11	62,860 1		1
Alstonville Water Supply	880,000 132		0 8	34,390 0 0	824,634 9 6	89,755 10		
Ashford Water Supply	7,017		4		768 5 0	6,249 11		
Attunga Water Supply	9.000		0	96 6 4	6,411 13 11	2,684 15		
Bathurst Water Supply Bendemeer Water Supply	4,984 9,000		4	00 0 4	56 4 8 9,127 14 4	4,928 13		0 Dr
Berrima District Water Supply	25,000		0	96 6 4	20,470 2 3	4,529 1		
Bourke Water Supply	7,020		6		109 9 0		1 6	
Broken Hill Water Board	9.133		1		6,860 9 4	2,272 18		
Bulahdelah Water Supply	36,750 200		6	0 13 7	21,156 19 7	15,593 14 200 19		
Girilambone Water Supply	0	2	6	0 15 7	0 2 6	200 1:		,
Clarencetown Water Supply	8,276		11		1,659 18 5	6,616		3
Coonabarabran Water Supply	44,907	5	3	4,588 4 6	51,066 12 3	1,571		
Gulargambone Water Supply Guyra Water Supply	2,881 6,134	6 7	3 5		11 14 9 369 3 3	2,869 11 5,765 4		
Gunning Water Supply	25,000		0	30 18 6	42,607 14 8	17,576 16		Dr.
Koootingal-Moonbi Water Supply	6,000		0	96 6 5	38,680 18 5	32,584 12		Dr.
Lower Clarence Water Supply			0	150 9 10	158,548 2 7	29,547 15		9 Dr.
Mittagong Water Supply	9,664 11,128		8 2	14,859 15 0 17 0 0	6,154 9 0 2,106 17 4	18,369 17 9,038 14		
Moss Vale Water Supply	80.698			941 15 11	80,184 17 8	1,455 15		
Port Macquarie Water Supply	337	7	5	895 17 5	671 19 5	561		
Rylstone-Kandos Water Supply	59,636		2	10 5 0	55,761 5 9	3,874 17		
Sawtell Water Supply Stroud Water Supply	1,807 7,923		8	10 5 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,645 14 5,028 2		
Tantawangalo Water Supply	599		8 Dr	738 13 6	2,000 10 0	139 4		
Tathra Water Supply	1.677	13	7 Dr		113 14 10			Dr.
Tea Gardens Water Supply Warialda Water Supply	53,374		2	*******	20,652 16 4	0.77000 10.00000000000000000000000000000	10	
Werris Creek Water Supply	4,543	2	3	********	8 0 10		11	
Barraba Sewerage	3,783		4 Dr			3,783 12		
Boorowa Sewerage	88,794		0	2,009 14 10	89,925 15 11	878 16		and.
Coff's Harbour Sewerage Condobolin Sewerage	11	16	5 Dr		3,438 9 3 51 11 5	3,151 4 440 15		
Coonabarabran Sewerage	389 83,983		7 Dr	1,887 7 11	66,109 8 3	19,761		
Coonamble Sewerage	86,841		0	988 3 1	57,900 17 2	29,928 18		
Crookwell Sewerage	76,375		3	1,644 6 7	102,031 12 10	24,011 10		
Hay Sewerage Kyogle Sewerage	52 370				5 4 0	52 12 365 6		
Lawson Sewerage	105,000			12,871 5 2	151,399 19 2	33,528 14		
Manilla Sewerage	764	3		9 1 9		773 8		3
Moree Sewerage	3,245 78,032		3	550 10 0	15 13 9 57,157 3 8	3,229 17		
Murwillumbah Sewerage	1.966		10 Dr	552 12 3 2,470 0 0	57,157 3 8 3 0 0	21,428 4 500 18		7
Narrandera Sewerage	1,850		3			1,850	2	3
Narromine Sewerage	2,860			96 8 1	12 10 0	2,944 4		
Nyngan Sewerage Portland Sewerage	16,226		8 Dr		756   5   7 $27,579   9   0$	4,964 10 39,338 4		1
Oberon Sewerage	59,987			885 0 8	51,938 5 9	8,934		
Springwood Sewerage	97,487	17	7	28,112 15 10	133,899 6 2	8,298 12	3 6	9 Dr.
Tenterfield Sewerage	390			290 9 10	122 18 2	02/2020/02/02		4
Warren Sewerage Wentworth Sewerage	73,702		10 Dr	320 8 10 664 15 11	37 13 3 78,667 18 10	136 6 4,300 6		
Wingham Sewerage	38,947			004 15 11	33,133 3 10	5,813 10		
£	13,445,91	) 11	5	23,903,681 0 0	33,771,606 15 7	3,577,993 13	16	)

# Payments Made Direct by Other Departments for Works and Services Carried Out

Authority	Expenditure						
Education Department Technical Education Department River Murray Commission	£ 20,478 6,000 267,793	12	d. 6 0 7				
	£294,272	1	1				

### Financial Assistance for City Municipal and Shire Councils

Consolidated Revenue—	£	S.	d.
Grants to councils for construction, repairs and renewals of works	47,491	9	4
Grants to councils for flood damage	2,205	0	0
	£49,696	9	4
Special Deposits—			
Commonwealth-State grants	£1,305	9	4 Cr.

# Grants to City, Municipal and Shire Councils were:-

	Con	soli St:	Special Deposits Commonwealth- State Grants		
	Constru Repair Renew Wor	s a	nd	Flood Damage	Flood Damage
City Councils—	3	s.	d.	£ s. d.	£ s. d.
City Councils	*		CL.	w 0. u.	. S. U.
Armidale	500	0	0		******
Bathurst	500	0	0	*****	*****
Broken Hill	500	0	0	*****	*****
Greater Cessnock	500	0	0	******	******
Goulburn	500	0	0	*****	*****
Maitland	****				88 6 6
Orange	500	0	0	*****	*****
Penrith	500	0	0	*****	*****
Tamworth	500	0	0		******
£	4,000	0	0		88 6 6
Municipal Councils—					
Ballina	500	0	0		
Bowral	500	0	U	*****	
Casino	290	0	0	******	******
Cooma	500	0	0		
Cootamundra	500	0	0	******	*****
Glen Innes	500	0	0	******	*****
Gunnedah	500	0	0	*****	*****
Junee	500	0	0	*****	
Kempsey	500	0	0	*****	*****
Mudgee	500	0	0		*****
Muswellbrook	500	0	0	*****	100100
Narrabri	500	0	0	*****	******
Narromine	114	0	0	*****	*****
Nyngan	500	0	0	******	*****
Queanbeyan	500	0	0	*****	*****
Quirindi	150	0	0	*****	******
Singleton	500 500	0	0	*****	*****
	470	0	0	2,205 0 0	*****
Windsor	500	0	0	and the same of th	******
Wingham	475	0	0	221211	*****
Young	4/0	0	0	******	******
	£9.499	0	0	2.205 0 0	2.000

# Grants to City, Municipal and Shire Councils were:-

3111110 10 3117, 1111	contin	nued		
		idated ate G	l Revenue rants	Special Deposits Commonwealth- State Grants
	Construction Repairs as Renewal Works	nd	Flood Damage	Flood Damage
Shire Councils—	£ s.	d.	£ s. d.	£ s. d.
Barraba	500 0		*****	*****
Baulkham Hills Berrigan	500 0 500 0		******	*****
Bingara	500 0	0	******	
Bland	500 0	0	******	******
Boolooroo	240 0	1000	*****	40000
Boorowa	235 0 500 0		*****	******
Boree	500 0		******	*****
Byron	500 0		*****	*****
Canobolas Central Darling	500 0 1,062 0		*****	
Coff's Harbour	500 0		******	******
Colo	500 0		*****	*****
Condobolin	202 0	200	*****	*****
Coolah	500 0 875 0		******	*****
Coonamble	500 0			
Corowa	500 0		*****	*****
Culcairn	500 0	0	*****	1 100 5 10 0
Darling Dungog	Cr. 8 10	8	******	1,192 5 10 Cr.
Gloucester	471 0			******
Goobang	500 0	0		*****
Goodradigbee	126 0		*****	
Gosford	500 0 500 0		******	*****
Hastings	500 0		*****	******
Hume	500 0		*****	*****
Jemalong	300 0 412 0		*****	******
Jindalee	458 0		*****	******
Kyeamba	794 0		******	******
Lachlan	500 0		*****	*****
Lecton Lockhart	500 0 500 0		******	****
Maclean	500 0	A AFO	******	*****
Manilla	500 0	0		*****
Manning	500 0 360 0		*****	*****
Mittagong	360 0 500 0		******	*****
Molong	500 0			*****
Mumbulla	642 0	3	*****	*****
Murray	500 0 375 0	27.3	*****	*****
Murrurundi	460 0		*****	
Namoi	500 0		******	
Narraburra	500 0		*****	******
Narrandera Oberon	500 0 500 0		*****	*****
Peel	500 0		******	*****
Port Stephens	263 0		*****	
Rylstone Snowy River	500 0 500 0	0	*****	
Stroud	500 0 500 0		******	*****
Sutherland	500 0	0	*****	******
Tallanganda Tamarang	83 0 432 0		*****	*****
Tenterfield	250 0		*****	*****
Timbrebongie	445 0	0	*****	*****
TintenbarTumbarumba	405 0 500 0		*****	******
Tweed	500 0 500 0			*****
Ulmarra	500 0	0	*****	******
Uralla	325 0			*****
Urana Walgett	500 0 500 0		*****	
Warren	1,000 0		*****	*****
Wellington	986 0		*****	*****
Woodburn Wyong	500 0 448 0		*****	*****
Yallaroi	352 0		*****	201 10 0 Cr.
2	33,992 9	4		1,393 15 10 Cr.
	SUMMA	RY		
City Conneils	£ s.	d. ,	£ s. d.	£ s. d.
City Councils  Municipal Councils  Shire Councils	4,000 0 9,499 0 33,992 9	0	2,205 0 0	88 6 6
	00,002 0	*	*****	1,393 15 10 Cr.
Total as per Summary £	47,491 9	4	2,205 0 0	1,305 9 4 Cr.

# Staff

The numerical strength of staff and the estimated annual salary charges as at 30th June, 1962, compared with the previous year are as follows:—

		Permanent Officers				Temporary Officers				Total Staff			
	Number		Number Salaries		Number		Salar	Salaries		Number		Salaries	
	1960-61	1961-62	1960-61	1961-62	1960-61	1961-62	1960-61	1961-62	1960-61	1961-62	1960-61	1961-62	
General Staff Tradesmen and apprentices appointed under the Public Service Act	1	1,181	1,629,855	1,847,728	804	582	739,726	£ 650,073	1,977	1,763	£ 2,369,581	£ 2,497,801	
	***	***		***	1,169	1,400	1,299,784	1,490,542	1,169	1,400	1,299,784	1,490,545	
	1,173	1,181	1,629,855	1,847,728	1,973	1,982	2,039,510	2,140,615	3,146	3,163	3,669,365	3,988,343	

N.B.-As from 1st May, 1961, the Dredge Service became a State Industrial Trading Undertaking and consequently has been omitted from the above figures.

#### Fish River Water Supply

INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1961

	Expenditure			INCOME				
9,061 1,049 1,224 1,717 2,653 1,374 7,000 1,000	Working expenses— Salaries, wages and expenses Stores and materials used Transport Plant costs Miscellaneous charges Electricity for pumping Renewals reserve Storm damage reserve	2,569 3,436 1,443 7,000 1,000	Previous year £  26,425 11,716 3,826 108,700 1,698  152,365	Water sales:— Lithgow City Council Blaxland Shire Council Oberon Shire Council Electricity Commission Minor Consumers	14,617 3,749			
5,108 110,790 8,210 4,267	Capital contribution rebates Interest charges, etc	5,108 134,780 10,090 9,613	1,088	Meter Rents, etc	320			
£153,453		£189,217	£153,453		£189,217			

# Fish River Water Supply

BALANCE SHEET AS AT 31ST DECEMBER, 1961

	Liabilities		Assets				
715,743 388,500 69,596 5,482 94,927 1,274,248 3,175,486  5 2,407 7,232 17,662 30,339 8,735	Capital Contributions— Commonwealth Government State Government Blaxland Shire Council Oberon Shire Council Lithgow City Council  Contributions for Augmentation— State Government  Reserves— Plant repairs Employees' leave Storm damage Sinking fund Renewals Capital adjustments	£ 715,743 388,500 69,262 5,557 93,359 1,272,421 3,348,137 332 2,967 8,134 27,752 38,816 10,562	Previous year £  4,411,448 63,722  4,693 25,797  16,811 3,269 30,339	Fixed Assets— Storage dam, pipelines, reservoirs, mains, plant and equipment	£ 4,592,547 63.722 24,368 19,846 38,816		
30,499 9,466	Current liabilities — Sundry creditors Accummulated Profit and Loss Account	11,098 19,080					
£4,556,079		£4,739,299	£4,556,079		£4,739,299		

There was a profit of £9,613 for the year compared with £4,267 in the previous year.

The quantity of water delivered during the year was 1,376,182,204 gallons compared with 939,270,000 gallons in 1960. Consumption by Councils having increased by 77,366,000 gallons and consumption at Wallerawang Power Station having increased by 360,130,000 gallons.

Expenditure was £30,417 greater than in 1960 resulting mainly from interest charges, etc., applying progressively to the assessed completed cost of each stage of the work as brought into operation. A full year's interest charges would apply for 1961 for those works brought into operations during 1960. The assessed value of work brought into operation during 1961 was £59,000.

Expenditure on all augmentation works for the year was £182,741.

#### South-west Tablelands Water Supply

# INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1961

	EXPENDITURE			INCOME	
Previous year £ 49,238 11,920 52,384 2,962 4,986  121,490 61,685 14,587 12,890	Working Expenses— Salaries, wages and expenses Stores and materials Electricity Transport Miscellaneous  Interest etc. on Capital Debt Renewal Reserve contribution Sinking Fund contribution	£ 48,595 10,298 58,713 2,795 5,714  126,115 66,179 1,472 13,620	Previous year  \$\frac{\pmath{\pmath{\pmath{g}}}}{96,612} \\ 17,587 \\ 7,376 \\ \tag{121,575} \\ 1,541 \\ 87,536	Water Sales— Councils Railways Department Minor consumers  Meter Rents, etc. Deficiency	£ 100,152 12,102 8,778 121,032 1,770 84,584
£210,652		£207,386	£210,652		£207,386

# South-west Tablelands Water Supply

# BALANCE SHEET AS AT 31ST DECEMBER, 1961

	LIABILITIES				Assets	
Previous year £ 1,481,941 144,220	Capital Debt Less repaid	£ 1,563,025 157,840	£	Previous year £	Fixed Assets—  Land, buildings, reservoirs, mand equipment	£ 1,571,201
4,100	Capital Contributions— Demondrille Shire Council		1,405,185 4,100	300,000 6,157	Renewal Reserve — Inscribed stock 320,	£ 000 744
144,220 144,220 306,157	Reserves— Debt Repayment-Reserved and Repaid (as above)  Renewal	157,840 157,840 321,744		12,716 39,144 17,122		321,74: 907 127 251
50,959 21,348	Current Liabilities— Creditors— Colonial Treasurer for advance on ac- count of deficiencies Stores and services	49,374 28,987	479,584	68,982		74,28
72,307			78,361			
£1,864,505			£1,967,230	£1,864,505		£1,967,230

The excess of expenditure over income of £84,584 was £2,952 less than that of the previous year.

The volume of water delivered during 1961 was 792,842,937 gallons at a cost per 1,000 gallons of 62.777 pence compared with 803,482,468 gallons in 1960 at 62.921 pence per 1,000 gallons.

Water pumped during 1961 was 894,698,000 gallons compared with 905,476,000 gallons in 1960.

Rates charged for the sale of water were as follows:—Bulk supplies to Councils and the Railway Department, 3s. per 1,000 gallons from 1st January, 1958; Supplies to Councils for public baths, 2s. 3d. per 1,000 gallons from 1st January 1958; Supplies to minor consumers, 3s. 6d. per 1,000 gallons from 1st April, 1958.

The construction programme for the undertaking for 1961 involved an expenditure of £81,083.

#### Junee Water Supply

INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1961

	Expenditure			INCOME				
8,613 1,505 8,603 741 352 19,814 10,592 2,149 3,510	Working Expenses— Salaries, Wages and Expenses Stores and Materials Electricity. Transport Miscellaneous  Interest etc. on Capital Debt and Working Capital. Renewal Reserve Contribution Sinking Fund Contribution	£ 8,529 1,552 8,471 354 1,405 20,311 11,201 219 3,640	Previous year £ 9,109 12,950 881 22,940 199 12,926	Water Sales— Railway Department Junee Municipal Council Minor Consumers  Meter Rents, etc. Deficiency.	f 6,183 15,280 1,129 22,592 115 12,664			
£36,065		£35,371	£36,065		£35,371			

Junee Water Supply

BALANCE SHEET AS AT 31ST DECEMBER, 1961

	LIABILITIES			14.76.	Assets	
revious year £ 264,875 45,262	Capital Debt	£ 267,198 48,902	£	Previous year £	Fixed Assets— Land, Buildings, Reservoirs, Mains and Equipment	£ 262,705
219,613	Reserves— Debt Repayment— Reserved and Repaid (as above)	48,902	218,296	57,792 1,013	Investments	
58,804	Renewal	61,605	110,507	58,805 445 5,780 6,057	Current Assets—         354           Stores and Materials         3,043           Debtors—for Water, etc.         8,043           Cash at Treasury         3,132	61,60
4,391 3,521	Current Liabilities— Creditors— Colonial Treasurer for advances on account of deficiencies Stores and Services	2,727 4,309		12,282		11,52
7,912			7,036	A RESULTED		
£331,591			£335,839	£331,591		£335,83

The deficiency of £12,664 was £262 less than that of the previous year.

The volume of water delivered during 1961 was 150,169,000 gallons at a cost per 1,000 gallons of 56.530 pence compared with 152,469,300 gallons in 1960 at 56.769 pence per 1,000 gallons.

Water pumped during 1961 was 164,301,000 gallons compared with 159,824,000 gallons in 1960.

Rates charged for the sale of water were as follows:—Bulk supplies, 3s. per 1,000 gallons from 1st January 1958; Supplies for public baths, 2s. 3d. per 1,000 gallons from 1st January, 1958; Supplies to minor consumers, 3s. 6d. per 1,000 gallons from 1st April, 1958.

# Bethungra Water Supply

Operations for the year 1961 resulted in a surplus of £403 compared with £389 for the previous year.

The surplus of £403 has been transferred to consolidated revenue this financial year bringing the total amount transferred since commencement of operations in 1917, to £10,903.

### Mulwala Water Supply and Sewerage

INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31st DECEMBER, 1961

	Expenditure			INCOME			
Previous Year £ 6,514 1,336 3,168 3,78	Working Expenses— Salaries, wages and expenses Stores and materials used Electricity Miscellaneous charges	£ 7,772 1,248 3,335 199	Previous year £ 3,063 204 3,267	Water Sales— Corowa Shire Council Department of the Interior	£ 5,405 223 5,628		
11,396	Interest on working capital	12,554 100	8,229	Balance of cost of operations charge- able to Department of Defence Production	7,026		
£11,496		£12,654	£11,496		£12,654		

# Mulwala Water Supply and Sewerage

BALANCE SHEET AS AT 31ST DECEMBER, 1961

	LIABILITIES			Assets			
Previous year £	G - 74 1 P.14	£	Previous year		£		
80,732 40,872	Capital Debt— Commonwealth Government State Government	80,732 40,872	122,738	Fixed Assets— Reservoir, Treatment Works, Mains, Plant and Equipment Current Assets—	122,688		
121,604 2,000 2,283	Working Capital Current Liabilities— Creditors	121,604 2,000 4,876	1,840 1,209 100	Sundry Debtors Stores and Materials Cash at Treasury	4,64 1,07		
£125,887		£128,480	£125,887		£128,48		

The Mulwala Water Supply and Sewerage Undertaking was constructed by the State on behalf of the Commonwealth as a wartime measure, the net cost of operations being borne by the Commonwealth Department of Defence Production. The amount chargeable to that Department for 1961 was £7,026 compared with £8,229, for 1960.

203,773,000 gallons were delivered during the year compared with 178,994,100 the previous year.

#### Building Construction and Maintenance Branch Working Account

INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 30TH JUNE, 1962

	EXPENDITURE		hill man to the same	INCOME	
revious year	D' 4 CI	£	Previous year		£
£ 1,650,966	Direct Charges— Wages	1,863,479	4,439,143	Recoupments	5,015,268
1,206,207	Materials	1,536,944	4,100,110	Add Unrecouped Expenditure, 30th	0,010,200
515,065	Contract payments	479,727	154,156	June, 1962	90,54
55,374	Other charges	52,636			
3,427,612		3,932,786	4,593,299		5,105,813
290,901	Supervision, Wages and Salaries	313,841		Less Unrecouped Expenditure, 1st July,	
48,618	Workers' Compensation Premium	56,497	273,226	1961	154,150
54,009	Pay Roll Tax	61,361	4 990 079		4 051 051
63,981 47,955	Public Holidays	75,016	4,320,073		4,951,65
41,500	Sick, etc., Leave	41,041		Add Balance of Operating Accounts,	
156,100	Leave	173,206	7,175	30th June, 1962	11,433
49,977	Plant costs	59,162	4,327,248		4,963,090
109,335	Transport costs	121,630	4,021,240		4,000,000
19,635 21,562	Sundry Expenses	35,546 $21,875$	W 0.40	Less Balance of Operating Accounts,	
21,002	Net store operating charges	44,459	7,058	1st July, 1961	7,175
	1 0				
4,289,685	N. D. C. W. C. T. A. D. C.	4,936,420			
30,505	Net Profit Transferred to Accumulated Profit and Loss Account	19,495	100		
00,000	LIONE and LOSS Accounts	19,490			
£4,320,190		£4,955,915	£4,320,190		£4,955,91

#### Building Construction and Maintenance Branch Working Account

BALANCE SHEET AS AT 30TH JUNE, 1962

Liabilities			ASSETS			
Previous year £  500,000 269,178  328,661 33,065	Working Capital (Advanced by Treasury) Sundry Creditors Reserves for Annual and Long Service Leave Accumulated Profit and Loss Account —Profit	500,000 411,779 363,476 52,560	Previous year £  13,703 185,624 275,776 159,070 7,753 489,556	Buildings constructed from Working Capital Working Plant and Equipment Stores and Materials Sundry Debtors Operating Accounts Balance in Special Deposits Account at Treasury	£ 13,017 194,722 260,644 122,641 11,433 725,358	
£1,131,482	Operating Accounts	£1,327,815	£1,131,482		£1,327,815	

There was a nett profit of £19,495 for the year 1961–1962 compared with a profit of £30,505 in the preceding year. Work carried out by the branch is charged to this Department's votes or to other Department's at cost, plus oncost to cover overhead expenses, and the profit for the year represents the excess of oncost charged over overhead expenses. The oncost rate is kept under review and kept at a minimum.

Total expenditure was £4,936,512 compared with £4,289,685 in the previous year, an increase of £646,827.

The monthly average number of employees (excluding staff) during the year was 1,954 compared with 1,728 in the previous year.

Testing Branch
INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1961

	Expenditure			INCOME		
Previous year		£	Previous year £ 43,545	Sundry Fees for Inspection and Testing of Cement	£	
9,443 23,726 3,009 4,797 8,701 8,067	Head Office Salaries and Supervision Head Office Working Expenses Newcastle Branch, Working Expenses Port Kembla Branch Working Expenses Cement Inspections and Control Sydney Inspections—Working Expenses	10,291 26,658 3,177 5,556 7,705 9,226	15,658 5,533 3,738 12,141	Sundry Fees for Testing and Inspection           Other than Cement—         £           Head Office         24,272           Port Kembla         7,879           Newcastle         3,576           Sydney         13,751		
23,959	Interest and Exchange on Working Capital  Net Surplus Transferred to Accumulated Profit and Loss Account	18,814	1,087	Interest received from investments	1,245	
£81,702		£81,427	£81,702		£81,42	

Testing Branch
Balance Sheet as at 31st December, 1961

	LIABILITIES		Kill KHS	Assets	
Previous year		c		Company of the last	
10,037	Sundry Creditors	10.665	31,163	Plant and Major Equipment	31,45
	Reserve for annual and long service		HALLIE TO	Air Conditioning Equipment and Fog	
9,801	leave	9,792	1,378	Room	1,378
2 100	Reserve for repairs, maintenance and	2 200	1,686	Working Tools and Minor Equipment	1,79
2,498	alterations	2,633		Investments—	
12.173	Reserve for depreciation and renewals of plant and equipment	14,182	20,700	Metropolitan Water Sewerage and Drainage Board loans	24,40
97,914	Accumulated Profit and Loss Account	76,581	20,100	Sundry Debtors—	24,40
	2.000	STATES I	18,371	For services rendered	16.33
				Cash in Special Deposits Account at	
			59,125	Treasury	38,49
£132,423		£113,853	£132,423	and the second s	£113,85

There was a net profit of £18,814 for the year 1961, compared to the net profit of £23,959 for the year 1960.

Although there was an improvement in the Head Office, Port Kembla and Newcastle sections, the overall retrogression of £5,145 compared to the previous year was due to a reduction of 15 per cent in the volume of cement tested. Income from cement testing decreased by £12,839 mainly as a result of the cessation of testing to a special specification for the Snowy Mountains Hydro Electric Authority.

No. 1 Plant Control
INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST MARCH, 1962

	EXPENDITURE			INCOME	
Previous year £ 107,784 4,801 9,545 125,092	Trading Expenses— Repairs and Renewals Servicing Insurance Premiums Depreciation	£ 102,659 5,419 10,524 139,657	Previous year £ 316,707 1,533 7,057	Hire Charges Service Charges Profit on realisation of plant	£ 352,951 2,087
247,226 24,473 35,610 1,314 	Administrative Salaries and Expenses Interest, etc., on Capital Miscellaneous Loss on realisation of plant Net profit transferred to Accumulated Profit and Loss Account	258,259 29,960 36,690 1,329 8,336 20,464			
£325,297		£355,038	£325,297		£355,038

No. 1 Plant Control
BALANCE SHEET AS AT 31ST MARCH, 1962

	LIABILITIES			ASSETS	
Previous year £ 745,000 49,580  695,420 95,997 126,743 37,647	Capital Debt	689,510 50,000	Previous year £ 756,752 45,801 153,254	General and Floating Plant	£ 845,790 78,52: 18,46
	Account Accou	- 107,594			
£955,807		£942,773	£955,807		£942,773

The profit for 1961-1962 was £20,464 as compared with a profit of £16,674 in 1960-1961, an increase of £3,790.

Realisation of plant resulted in a profit of £7,057 in 1960-61 and a loss of £8,336 in 1961-62. These results are included in the above figures.

Revenue from hire and service charges in 1961-1962 was £36,798 more than in 1960-1961 mainly due to increased departmental activities and higher rates charged on some items of plant.

Expenditure for the year was £17,616 more than the previous year mainly due to increased activities.

# Leichhardt Depot Working Account INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST MARCH, 1962

	Expenditure		INCOME		
Previous year £ 37,822 66,868 17,947	Direct Charges— Wages Stores Used Cartage	£ 57,043 77,473 16,989	Previous year £ 193,200 92	Services Rendered	£ 240,433 469
3,122 125,759 8,258 10,311 5,280 9,062 8,587 10,313 1,236	Miscellaneous Charges  Workshop Supervision Workshop Operating Costs Leave and Public Holidays Depreciation Interest on Advances Salaries Workers' Compensation Premiums	728 152,233 9,968 11,628 6,732 5,047 8,887 10,510 1,668			
874 1,713 6,256 5,643	Provision for long service leave Pay Roll Tax Sundry Expenses Net Profit Transferred to Accumulated Profit and Loss Account	618 2,243 10,236 21,130			
£193,292		£240,900	£193,292		£240,900

#### Leichhardt Depot Working Account

BALANCE SHEET AS AT 31ST MARCH, 1962

	LIABILITIES				Assets	
192,678  5,858 186,820 6,100 3,670	Capital Debt— Provided from Loan Vote Funds Provided from other funds Less Sinking Fund Payments  Working Capital— Reserves— For Long Service Leave For Repairs and Renewals of Buildings and Equipment	£ 193,620 6,848 6,718 3,971	£	Previous year £ 88,874 43,404 522 95,706 9,166	Buildings, Fences, etc	£ 84,260 42,30 64 104,790 40,83
9,770 24,587 16,495	Sundry Creditors	Account	10,689 37,757 37,625			10,42,52
£237,672			£272,843	£237,672		£272,84

There was a net profit of £21,130 for the year compared with a net profit of £5,643 for 1960-1961.

The improvement is attributable to the increased volume of work carried out in the Depot workshops which resulted in an increase of income from Services Rendered of £47,231.

During the year it was possible to reduce the oncost rate which compares favourably with private organisations.

#### LEICHHARDT DEPOT STORE ADVANCE ACCOUNT

The value of stores issued and services rendered was £434,181 compared with £395,405 in 1960-1961.

Payments for stores purchased, operating costs, etc., totalled £425,809 compared with £380,279 in 1960-1961, an increase of £45,530.

The value of stock on hand increased by £3,590 to £349,489 during the year.

Operating costs of the store are financed by an oncost on the value of issues and a subsidy from Revenue Vote—Care and Custody of idle plant and stock. Oncost recovered during the year was £46,537 and the subsidy received was £4,500.

#### State Brickworks

MANUFACTURING AND PROFIT AND LOSS ACCOUNT FOR YEAR ENDED 31ST MARCH, 1962

Previous year		£	Previous year		
	Manufacturing Expenses—		862,857	Sales  Add stock on hand at 31st March,	842,041
362,646	Wages	370,929	31,900	1962	56,357
7,884 8,115	Pay roll tax	8,064 9,122	894,757		898,398
4,919	Silicosis insurance	5,481	28,241	Less stock on hand at 1st April, 1961	31,900
73,695 10,941	Coal Stores	70,103 $10,981$	866,516		866,498
24,434	Electricity	26,021	170,064	Cartage recovered	162,791
14,097 116,392	Plant hire	15,148 $130,162$	7,711	Sundry Income	8,991
24,350	Depreciation	29,733			
1,335 494	Water and sewerage	951 501			
-		677,196			
649,302 175,808	Cartage, etc	167,085			
80,605	expenses	82,160	Marie II	The second second second second	
16,730 2,460	Interest etc. on Capital Sinking fund contributions	17,580 2,540			
924,905		946,561	AL PET		
45,974	Profit for Year— Employees' Profit Sharing Dividend	47,375	Line I	The state of the s	
73,412	Carried to Accumulated Funds	44,344			
			-		
£1,044,291		£1,038,280	£1,044,291		£1,038,280

State Brickworks

### BALANCE SHEET AS AT 31ST MARCH, 1962

	LIABILITIES				Asse	rs		
Previous year		£	£	Previous year		£	£	£
384,748 19,877 364,871 19,877 141,077 33,150 2,438	Capital— General Loan Less repaid  Reserves and provisions— Capital repayments Employees' leave Repairs and Maintenance Mobile plant insurance Employees' profit sharing	379,720 22,417 22,417 152,668 40,890 2,633	357,303	568,044	Fixed Assets— Land, buildings, kilns, railway sidings and tracks, plant and machinery Less depreciation  Plant, tools and office equipment Less depreciation	759,128 146,042 148,314 73,654	613,086 74,660	
27,900	dividend	28,100	046 700	67,113	Investments—			687,746
224,442 65,193 4,276 69,469 295,408 73,412 368,820	Current liabilities— Creditors	50,868 3,204 368,820 44,344	246,708 54,072 413,164	105,000 27,000 540	Depreciation reserve —Commonwealth Government inscribed stock Metropolitan Water Sewerage and Drainage Board Deposit at Treasury  Current assets— Brick stocks Stores and materials Sundry Debtors Less provision for bad debts	104,671 9,000	105,000 41,000 42 56,357 37,510	146,043
				8,000			95,671	
				82,181 ———	Cash at Treasury and in hand		47,921	237,45
£1,027,602		£	1,071,247	£1,027,602	4		4	1,071,24

There was a net profit of £91,719 compared with £119,386 in 1960-1961. An amount of £47,375 was transferred to employees' profit sharing dividend fund and £44,344 to Accumulated Profit and Loss Account.

The total quantity of bricks sold decreased from 53,708,937 in 1960–1961, sold at an average price of £16 1s. 4d. per 1,000, returning £862,857 to 50,975,504 in 1961–1962, sold at an average price of £16 1os. 4d. per 1,000, returning an amount of £842,041.

### Government Motor Garage

INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 30TH JUNE, 1962

	EXPENDITURE		Income			
27,935 8,451 47,844 905 6,723 2,914 696 3,908	Trading expenses— Wages Annual, long service, sick, etc. leave Stores and materials used Electricity used Shop supervision Repairs and maintenance Depreciation on plant and tools Sundry trading expenses	£ 31,361 7,535 51,631 1,063 7,376 3,825 742 3,764	Previous year £ 130,141 1,277	Services rendered	£ 139,936 1,700	
99,376		107,297				
15,998	Managerial, clerical and storekeepers' salaries	16,172				
753	Workers' compensation insurance premiums	784				
1,565	Pay roll tax	1,645				
3,201	Cleaning and caretaking	3,388				
764	Insurance on buildings, plant, stock, etc.	764				
1,072	Depreciation on buildings, office furniture and equipment	1,071	The state of the s			
1,750	Interest etc. on loan debt	1,803	20T.014			
3,635	Sundry overhead expenses	3,303				
3,304	Profit for year carried to accumulated funds	5,409	7,216			
£131,418		£141,636	£131,418		£141,636	

### Government Motor Garage

BALANCE SHEET AS AT 30TH JUNE, 1962

	LIABILITIES				Assets	
Previous year £ 76,930 39,562 37,368  16,143 2,394 369	Capital debt Less repaid  Reserves— Employees' leave Renovations Stock disposal adjustments	£ 76,930 39,842 16,971 3,474 869	£ 37,088	Previous year \$\frac{\pmu}{49,617}\$ 10,168 33,839 4,690	Land, buildings, plant, tools and equipment Stores and materials Debtors Cash	£ 49,096 10,906 32,880 13,767
18,906			21,314			
17,755	Current liabilities— Sundry creditors for stores and services		18,553	10 mm mm mm m m m m m m m m m m m m m m		
24,285	Accumulated Profit and Loss Account		29,694			
£98,314			£106,649	£98,314		£106,649

The revenue of the Government Motor Garage is principally derived from hourly labour rates, and stores and materials, including oncost, charged to repair orders. During 1961–1962 the man-hours charged to repair orders averaged 260.7 per day compared with 229.4 during 1960–1961. Services rendered increased by £9,795 or 7.5 per cent. compared with 1960–1961.

Dredge Service

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD 1ST MAY, 1961 TO 30TH SEPTEMBER, 1961

	Expenditure		Income		
Previous year £	£	£	Previous year		£
Nil	Salaries, wages, etc. Stores purchased 65,940 Miscellaneous charges 609 Rental of berths, etc. 4,424	187,066 70,973	Nil	Hire charges	640,485
Actionary of project one of the project	Repairs and overhauls Depreciation Provision for losses or damage Employees' leave Workers' Compensation premiums Pay roll tax	130,618 66,750 14,018 20,917 4,393 4,934			
	Administrative charges	499,669 13,600 56,620			
1 A 197 211	Net surplus transferred to accumulated funds	569,890 70,595			
		£640,485	and a second		£640,485

Dredge Service

BALANCE SHEET AS AT 30TH SEPTEMBER, 1961

	LIABILITIES			Assets			
Previous year £	£	£	Previous year	4-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	£		
Nil	Capital Debt         3,385,786           Less Repaid         5,440	3,380,346	Nil	General plant			
bearing a	Workshop operating account Sundry Creditors	907 242,222	714 18	Stores and materials Sundry debtors	3,061 340,745		
ndadaensk m	Reserves— Repairs and overhauls Employees' leave 76,310 Losses or damage Maintenance of berths,			Cash at Treasury	180,231		
	etc	156,691 70,595					
nili ma		£3,850,761			£3,850,761		

The Dredge Service became a departmental trading undertaking from 1st May, 1961, and the financial year will end on the 30th September each year. Expenditure for the period 1st May, 1961, to 30th September, 1961 was £569,890 and hire charges received for work carried out was £640,485. The surplus of £70,595 resulted from Dredge Service plant working considerable overtime during the period. Of hire charges received, 63 per cent was met by the Maritime Services Board, 8 per cent by other authorities and the B.H.P. Co. Ltd., and 29 per cent from departmental accounts.

# APPENDIX II

#### HARBOURS AND RIVERS

#### **FUNCTIONS**

The functions of the Harbours and Rivers branch comprise:

- (1) the investigation, planning, preliminary design, construction and maintenance of all maritime works (other than some minor works carried out by Councils) outside the ports of Sydney, Newcastle and Botany Bay, including breakwaters, training walls, wharves, wharf cranes, cargo sheds, rail and road access to jetties, footways, coal-loading docks, etc.;
- (2) constructing and maintenance authority on behalf of the Maritime Services Board for Newcastle Harbour;
- (3) the administration and control of a large fleet of dredges and associated plant for use in the dredging of harbours, river entrances and tidal sections of coastal rivers where necessary for navigation;
- (4) constructing authority under the Hunter Valley Flood Mitigation Act;
- (5) examination of Local Government Works or Flood Mitigation on coastal rivers;
- (6) examination of and advice on Local Government Works of a maritime nature where financial assistance has been sought from the Department and/or where construction is on a flood plain;
- (7) the construction of engineering works on behalf of Departmental Trading Undertakings;
- (8) the carrying out of investigations regarding longrange harbour development and technical aspects of tide and wave action, sand movement, flood mitigation in coastal rivers, foreshore erosion, dredging and preservation of maritime structures;
- (9) provision of engineering advice to the Lands and Mines Departments on Leases, Permissive Occupancies, etc., in tidal waters, (i.e., dredging, sand removal, reclamations, etc.);
- (10) policing the Rivers and Foreshores Improvements Act, (i.e., protection of river banks within two chains of such banks);
- (11) investigation of proposals for the formation of Drainage Unions under the Drainage Act, 1939 (as amended), and recommending their constitution or otherwise, to the Minister.

#### **OPERATIONS**

#### General

Expenditure on construction and maintenance was:-

[X ± 1]	£4,887,879
Hunter Valley Flood Mitigation	
State Dockyard	
Dredge service	1,494,875
Harbours and rivers works	3,013,549
** 1	£

Loan expenditure on improvements to harbours and coastal rivers was £2,361,039 6s. 8d., the major works being the Port Kembla Inner Harbour and Coal Loader, Newcastle Wharves, Clarence Harbour and the Islands Reclamation, Newcastle.

Expenditure of Commonwealth Aid Loan Funds on works of water transport amounted to £276,490. These included improvements to the fishing ports at Brunswick Heads, Evans Head, Tweed Heads and Ulladulla Harbour. Of these ports Brunswick Heads was completed with the exception of some rock removal at the entrance; the equipment from Brunswick has been transferred to Tweed Heads to start operations there; and Ulladulla Harbour improvements was commenced.

This was the first full year in which the Maritime Services Board controlled Newcastle Harbour and Botany Bay. This Branch, however, still carried out maintenance, construction and dredging on behalf of the Maritime Services Board and overall there was an increase in the activities of the branch, expenditure for the year being £430,226 greater than for the preceding year.

#### COASTAL RIVERS AND PORTS

#### Tweed River

Construction of Tweed Heads Harbour works commenced and resulted in the tipping of a small quantity of stone for the commencement of the southern breakwater. The quarry was prepared and access roads constructed and the transfer of machinery and plant from Brunswick Heads completed. The expenditure for the year was £17,593 3s.

Normal general maintenance works were undertaken during the year on Terranora Dock. A diesel engine, to replace obsolete boilers, for driving pumps has been delivered for installation.

Dredging was undertaken mainly to keep the upriver channels up to the requirements of the Colonial Sugar Refining Company's cane barges. A total of 19,221 tons of material was dredged during the year by the dredge *Harwood*.

#### **Brunswick Heads**

The construction of all breakwaters and training walls as designed, together with extensions and modifications, was completed. Quarrying operations were terminated and all stores, plant and materials transferred to Tweed Heads.

The work was officially opened by the Premier, The Hon. R. J. Heffron, on 17th February, 1962. The final cost was approximately £240,000.

#### Richmond River

The bar dredge *Hermes* was engaged in maintaining upriver channels and improving the bar and inner crossings. These were maintained generally to a depth of 13 ft. except for short periods.

Dredge Coraki was engaged on improvements in the Broadwater.

Total quantities removed were:-

 Hermes
 108,968 tons

 Coraki
 43,050 tons

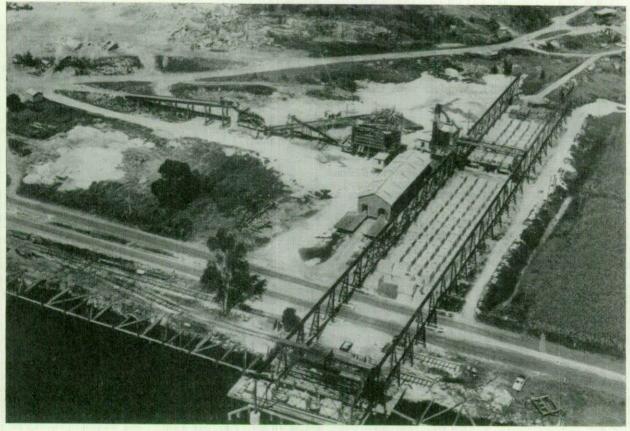
Repairs to northern and southern breakwaters continued during the year. A total of 51 10-ton and 16 40-ton concrete blocks were tipped along the breakwater together with 600 cu. yd. of stone protection.

General maintenance and minor works carried out included repairs to buildings and machinery at Riley's Hill Dock.

#### Evans Head

The Evans Head Harbour Works proceeded with the development of the quarry and construction of training walls and the northern breakwater. The bridge was opened for construction traffic, however final completion depends on placing of a wearing surface and footway slabs.

This year the quantity of stone placed in the breakwater and training walls was 35,165 tons, expenditure being £100,568 16s. 6d.



Concrete Block Making Plant, Clarence Harbour Works

#### Clarence River

In addition to the routine maintenance of navigation beacons and flood gauges, the reconstruction was undertaken of the Maritime Services Board tug berth at Yamba, with concrete protected piles and a concrete deck.

Dredging operations by the dredges *Maclean* and *H. E. Street* removed a total of 147,425 tons of silt from the river.

#### Clarence Harbour Works

Concentration of work was on the southern breakwater on which 82,800 tons of material was tipped, consisting of 1,590 40-ton concrete blocks and 19,200 tons of stone which resulted in an advance of 390 feet to chainage 1,790 ft. This represented 54 per cent. of the length of the proposed extensions. The total material tipped to date in the southern breakwater is 180,000 tons which includes 3,292 blocks.

The cyclone in April caused some damage to the northern breakwater. 2,214 tons of stone and 200 tons of concrete were used to repair this damage. No advance was attempted, the chainage remained at 2,360 ft., i.e., 56 per cent. completed.

At Woodford Island the production of 40-ton concrete blocks continued. 3,435 blocks have been cast of which 1,582 were cast this year. This represents 32 per cent, of the estimated requirements and an annual rate of 15 per cent.

Expenditure for the year was £360,335.

At the entrance the maximum depth remained well north of the entrance leads as was the case last year. The depth has not varied greatly showing 11-12 feet on the lead and 13½-14½ feet north of the leads. No dredging was necessary and no shipping was delayed except during cyclonic disturbances.

# Ashby Dock

The enlarged dock has been used by Dredge Service, Clarence Harbour Works, Department of Main Roads and others. The enlargement of the dock and modernisation of the facilities have proved to be of considerable benefit.

#### Coff's Harbour

Routine maintenance work was carried out to the harbour installations. Repairs to the jetty to the extent of £4,449 were undertaken comprising the replacement of piles, girders, decking, ironwork, etc. No maintenance work was required on the breakwaters.

#### Macleay River

The Shark Island diversion training wall was completed with the closing of the western gap on the 27th September, 1961, and the eastern gap on the 7th December, 1961. Construction works closed down at the end of April, after carrying out further bank protection along the southern pilot channel. This year a total of 35,652 tons of large stone was used for the training wall works while 1,042 tons of stone was used for the maintenance of access roads.

Expenditure was £44,968.

Repairs were carried out to the northern and southern breakwaters and the southern training wall. For the northern breakwater 55 10-ton concrete blocks were made; 26 of these blocks were tipped, the balance being kept in reserve. Following the April floods one serious side slip was repaired on the northern breakwater with 455 cubic yards of large stone. Expenditure on the northern breakwater was £4,595.

The work on the southern breakwater consisted of making 40 10-ton blocks which will be tipped to complete the current programme. Expenditure for the year was £2,581. Minor repairs were undertaken on the southern training wall.

### Hastings River

Repairs to the southern breakwater continued with 15 10-ton concrete blocks made and tipped and 990 tons of large stone placed in the breakwater completing the maintenance of this wall. Cost for the year was £4,834.

#### Camden Haven River

To provide safe conditions at the entrance to the Camden Haven River, the dredge Antleon was used to dredge 9,600 tons from the bar and 1,500 tons from the inner crossing.

#### Forster

Repairs were undertaken on the northern training wall at the entrance to Wallis Lake. Approximately 1,200 feet of the wall was repaired and raised to approximately R.L.6. Sand dunes have formed behind the wall providing added bank protection.

In Lake Wallis four danger indicators were erected on obstructions in navigable channels.

#### Newcastle

Islands Reclamation.—The Departmental dredges Richard Vowell, William J. McKell, C.S.I. and Gosford pumped a total of 1,036,250 cubic yards of sand and silt ashore to Dempsey, Walsh and Moscheto Islands.

In addition 997,022 cubic yards of sand was pumped ashore to Walsh Island from the north arm of the Hunter River by contract dredges.

Levee banks of 15,000 feet were constructed at Dempsey and Moscheto Islands. Low lying parts of the access road from Ash Island to Walsh Island were brought up to the designed level. A training wall from pump ashore berth No. 1 to the proposed pump ashore berth No. 3 was constructed; length approximately 4,000 feet.

Carrington Depot Store.—The extension to the Depot Wharf was commenced with the pouring of the cast in place deck and the installation of a special fender system; maintenance requirements were the replacement of some piles, fenders and deck lengths.

The two-storey brick office block was completed and occupied by the Depot's office staff and Dredge Service Personnel.

Steel work and flooring for the workshop loft have been completed and an external access stairway constructed. The installation of an electric hoist was commenced.

A stationary electric compressor was installed in the workshop and connected with air reservoirs and reticulated throughout the area.

Normal maintenance work was carried out at the Depot and to the Dredge Service tie-up berth and the Carrington slipways.

(See also-Work for other Departments-Maritime Services Board.)

#### Metropolitan

Hawkesbury River.—The dredging of a navigable channel in Patonga Creek to serve the needs of the fishermen was 50 per cent. completed.

Cooks River.—The steel sheet piling was completed on the right bank between Wardell Road Bridge and Lang Road footbridge, and a short section of piling on the left bank downstream of Lang Road footbridge was constructed.

Port Hacking.—Work was completed on the dredging of a channel in Fishermen's Bay to Maianbar to provide access at low tide.

#### South Coast

Wollongong Harbour.—The construction of a slipway with power winch was completed and handed over to the M.S.B. Maintenance of the slipway, involved removal of sand from the running rails and the construction of two (2) sets of heavy arms. Chafing pieces were replaced along the basin, and minor maintenance of the access road carried out.

Dredging of the area in front of the Fish Markets Wharf was carried out and 15,520 cubic yards of sand and silt removed. Repairs and strengthening were carried out on the breakwater, necessitating the use of 114 20-ton blocks.

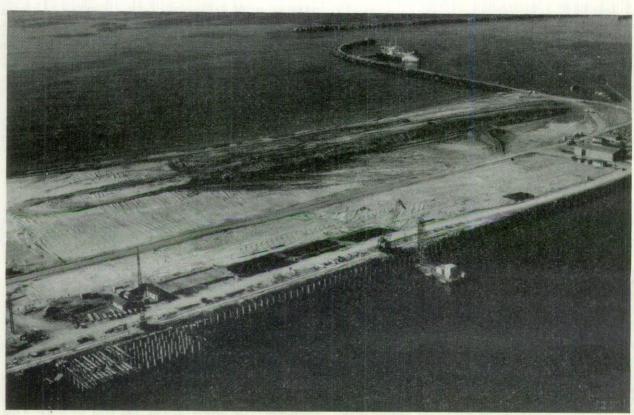
#### Port Kembla

Port Kembla Harbour.—The extension of the eastern breakwater commenced last year was completed with the tipping of eight 40-ton and three 20-ton concrete blocks, the tipping head remaining at ch. 3,892 feet. The capping of the northern breakwater was completed.

No. 1 Jetty.—Further modifications were made to the existing coal loading plant including the installation of a dust extracting system in the belt tunnel. Repairs to the substructure were made by way of replacement of various pile timbers.

No. 3 Jetty structure was repaired and the conversion of the fender structure to rubber buffer type units progressed a further stage.

No. 4 Jetty.—A major maintenance programme was carried out on this jetty and fender structures, 68 piles were placed 100 piles patched, 1,777 feet of girders and kerbing laid, and 13,619 square feet of decking replaced. Miscellaneous maintenance of the jetty was also carried out.



Site of Coal Loading Plant with Berth under Construction, Port Kembla Inner Harbour

Inflammable Liquids Berth.—Maintenance only was required. The construction of the two new dolphins was 95 per cent. completed, all piles having been driven and only concrete blocks remaining to be placed.

No. 6 Jetty.—Maintenance of the fender rubbing strips was carried out as berths became available as well as miscellaneous repairs.

Tug and Launch Berth.—The construction of the berth was completed at a total cost of £61,018.

General mechanical and electrical maintenance was carried out as required and preventive maintenance procedure was continued.

Miscellaneous repairs were carried out on all buildings used by the waterside workers, Maritime Services Board employees, etc. Drainage improvements to the workshop and store area, and improvements to the office area were completed. The workshop store was extended westward thirty feet.

Inner Harbour and Coal Loading Berth.—Both the Stage II dredging and the rock removal contracts were completed during the year, except for final cleaning up of rock areas.

The dredging was completed on 16th December, 1961; the material dredged during the year was 1,780,234 cubic yards, making a final revised total of 8,040,235 cubic yards. Other work included in this contract was the placing during the year of 10,690 cubic yards of rock in training walls and ballasted banks for a grand total of 116,690 cubic yards. Excavation of underwater rock was completed on 3rd March, 1962. The quantity of material removed was 57,000 cubic yards, making a total of 578,160 cubic yards of rock excavated from the inner harbour.

Construction of the coal berth commenced on 16th December, 1961, and a total of 471 95-foot steel piles were driven by the end of the year. Pouring of the reinforced concrete gravel-beam was commenced on 4th May, 1962, and 265 feet had been completed by the end of the year. The pouring of reinforced concrete pile sleeves and cores was commenced on 4th April, 1962.

A contract was let to John Holland (Constructions) Pty. Ltd., for the design, fabrication and erection of the coal handling plant. Work has commenced with the driving of piles for the footings to towers and trestles.

Work commenced on the earthworks for the rail access to the Coal Loader. The first section of embankment adjacent to Springhill Road has been completed to approximately R.L. 12.00 for a distance of 2,244 feet as far as to the Old Port Kembla Road.

The Department of Railways has commenced construction between Coniston Railway Station and Springhill Road, and on the foundations of the bridge which is to be constructed across the Springhill Road. The northern approach bank, which provides for a double track, was approximately 30 per cent. completed. Work commenced on drilling for concrete cylinders for the northern abutment.

Tenders will shortly be called for the construction of a culvert adjacent to the bridge over Springhill Road now under construction. Tenders will also be called during next financial year for the construction of the bridge over the main western drain.

A rock wall on the seaward side of the coal berth peninsula extending from the northern breakwater of the outer harbour for approximately 2,300 feet was commenced. A groyne was constructed at the end of this wall. A total of 74,300 cubic yards of rock was placed in the seawall and groyne and an additional groyne was constructed at approximately 2,200 feet along the foreshore to the north.

Eden Jetty.—Repairs were effected to fenders and new boom and hoist ropes fitted to the hand-operated shore crane. Work was commenced on the Waterside Workers' Amenities Building, all concrete piles being cast, and the first seven piles driven.

Bermagui.—The old shipping jetty at Bermagui was closed down and barricaded off.

Comerong Island.—The bank of Comerong Island, along the Canal between the Crookhaven and Shoalhaven Rivers, was sheeted with broken stone to bank 3,600 feet long erected.

Kiama Harbour.—Repairs were carried out to the roadway and additional ballast placed on the western side to replace that lost in the heavy seas. Bateman's Bay.—Three missing markers on the training wall were replaced and the pilot's boatshed and slipway were demolished. The bar was dredged to a minimum depth of 8 feet 6 inches with the removal of 45,100 tons of spoils.

Ulladulla Harbour Works.—Work commenced on erection of depot buildings, at the quarry near Milton, and the construction of access roads were completed.

Tipping was commenced on 18th June, 1962, and 260 tons of stone placed in the southern breakwater and 170 tons in the northern breakwater.

# Work for Other Departments

#### MARITIME SERVICES BOARD

The construction and maintenance of boatsheds, slipways, navigation aids, wharves, jetties and their appurtenances, were carried out by this Department at all coastal ports except Sydney Harbour, Botany Bay and Newcastle.

At Newcastle this Department, as Constructing Authority for the Maritime Services Board, carried out the construction and maintenance of wharfage, sea and river marks and other Harbour and River installations, dredging for maintenance and improvement of navigable channels and hydrographic surveys.

Harbour Works.—To deepen the harbour 13,500 tons of sand and rock previously broken by the rock breaker T. J. Paul were removed from the entrance channel by the dredge Juno. A contract was let for the removal of 619,100 cubic yards of rock and 808,400 cubic yards of over burden. This work is expected to provide a depth of 36 feet below I.S.L.W.

Wickham Wharf.—The amenities building and sub-station were completed. Two Hodkinson 5-ton level luffing electrical travelling cranes were constructed on the wharf. Transformers were installed in the sub-station and power connections made to the wharf cranes and the floodlight tower, on which floodlights were installed and focussed. Kerbing and asphalt paving of the storage area at the rear of the wharf has been completed and concrete paving laid between the amenities building and the wharf.

Throsby Basin.—The temporary oil berth was completed. A steel pile frame was erected for construction at Throsby Basin Wharf Berth No. 1 where 13 fender piles and 37 back row short piles have been driven. A concrete test pile was driven in the third row of the new wharf and test loaded at several depths.

Lee Wharf.—Work undertaken at Lee Wharf was renewal of the deck. A 6-inch concrete deck was constructed to replace the existing timber decking over 400 lineal feet of this wharf. This completed the concrete decking of berths 1, 2 and 3 of Lee Wharf. General maintenance was carried out to Lee Wharf with the replacement of some piles, girders, fenders and general repairs to the cargo sheds.

General.—Maintenance was undertaken on a number of wharves and other structures including fendering; the driving of piles; the extraction of piles and pile stumps; the repair of the rock seawall and the demolition of the old Dyke Wharf. Fourteen 60-ton concrete blocks were tipped from the end of the southern breakwater and design investigation carried out on a replacement rear leading light tower.

Dredging was carried out by the Departmental dredge fleet, and 3,369,320 tons of silt, sand and rock was removed from navigable channels, including the 2,000,000 tons approximately used in the Islands Reclamation. A programme of dredging to provide 36 feet I.S.L.W. depth in the Harbour was commenced and 277,500 tons of silt has been removed from the basin.

A total of 51 harbour surveys were carried out on the wharves and in the harbour channels during the year. This work was of immense value both as an aid to dredging channels and for purposes of navigation.

#### DEPARTMENT OF LANDS AND MINES DEPARTMENT

This Department acted as technical adviser to the Department of Lands and the Mines Department. Numerous applications for permissive occupancies, special leases, leases and dredging leases were investigated and reported on.

#### CHIEF SECRETARY'S DEPARTMENT, FISHERIES BRANCH

The maintenance of boatsheds, slipways and other structures belonging to the Chief Secretary's Department was carried out and investigations and construction undertaken for similar new structures.

#### POLICE DEPARTMENT

Maintenance work was carried out to police boatsheds, slipways and jetties as required.

WATER CONSERVATION AND IRRIGATION COMMISSION

Inspections and investigations were made in connection with applications under the Water Act.

#### FLOOD MITIGATION

At present seven authorities are carrying out flood mitigation works to Departmental design and the works being subsidised on a two-thirds basis.

Tweed River.—The Tweed Shire Council commenced the diversion of Lavender Creek at Murwillumbah to enter the river through a floodgate structure. This work was 80 per cent. complete.

Richmond River.—The Richmond River County Council, although hampered by wet weather and flooding, has shown good progress with its programme of works. Major works undertaken by the Richmond River County Council were:—Buckendoon Levee Bank, Tuckurimba Area Drains, Breakfast Plains Levee, Tickles Creek Floodgates, and Keith Hall Drain and Floodgates.

The April floods proved the efficiency of work constructed in the Broadwater area.

Clarence River.—The Clarence River County Council completed a number of drains and floodgates in the Sportsman's Creek, Edwards Creek, Camp Creek and Maclean areas. Two large floodgates and drains were nearing completion between Ulmarra and Cowper.

Flooding in April indicated that the completed works are operating in an efficient manner.

Bellinger River.—An investigation was commenced into possible flood mitigation works for the lower river valley.

Macleay River.—The Macleay River County Council continued work on the Belmore-Kinchela drains and headworks. Main works started were Christmas Creek floodgates and bank protection in the Glenrock-Frederickton area. Work was delayed by floods and wet weather.

The quick release of flood waters where flood mitigation works had been completed proved to be satisfactory.

A model is under construction, at the Department's Manly laboratory to study the effects of flood mitigation works adjacent to Kempsey. Laboratory staff obtained data from floods during the year which will be used in the model.

Hunter River.—Investigations continued on a number of future projects. An analogue computer was constructed at Sydney University for the analysis of the Howes Lagoon Proposal. Data was obtained on an unusual type flood which occurred in May. This flood showed that completed works had functioned in an efficient manner.

The major construction works undertaken by the Department as constructing authority for the Hunter Valley Conservation Trust were:—

Eskdale Swamp and Nelson's Plains—Drainage and Levees.—All work on this project was carried out by day labour as follows:—

Two 5-ft. diameter floodgates which were 50 per cent. complete at the end of 1960-61 were completed and four twin-cell 5-ft. diameter floodgates were also constructed. Four 3-ft. diameter drain crossings were completed.

Berry Park Bank Protection.—This day labour work was completed by the rock protection of a further 3,365 lineal feet of river bank with 16,340 tons of rock.

Shoalhaven River Flood Mitigation.—A report on flood mitigation proposals for the lower river was completed.

#### HYDRAULIC AND SOILS LABORATORY, MANLY VALE

The volume of work in both hydraulic and soils investigations increased considerably during the year.

Major investigations in the hydraulic laboratory during the year were:-

Newcastle Harbour Siltation Investigation.—The model was constructed and field data for proving the model obtained. Following an overseas visit to major laboratories by the Assistant Director and the Principal Engineer Harbours and Rivers the Wallingford Hydraulic Research Station, England, was retained as advisor and consultant in this investigation. A number of special instruments have been ordered from overseas and a tide and littoral current generator from Wallingford. An analysis of the historical changes in the topography of the harbour is in progress.

Ulladulla Harbour.—Model investigation of proposals were completed and works designed.

Port Kembla Inner Harbour.—Changes in the shape of the harbour made necessary by the coal loader location were checked for resonance effects.

Wave Flume.—A new and larger wave flume for study of wave problems is nearing completion.

Soils Testing.—A triaxial soils testing machine is on order and when received the laboratory will be equipped to handle all types of testing required.

Some of the works for which testing was carried out were: Mardi Dam; Hunter, Tweed and Macelay Rivers levees and structure foundations; Nowra Swimming Pool; Port Kembla Inner Harbour and coal loading wharf; Newcastle Siltation Investigation and foundations for a number of country town service reservoirs.

#### REPRESENTATION ON COMMITTEES

There was branch representatives on behalf of the Department on the following:—

Newcastle Port Advisory Committee.

Newcastle Port Development Committee.

Hunter Valley Research Foundation.

The Hunter Valley Conservation Trust.

Committee of Advice on Flood Control and Mitigation.

State Flood Warning Committee.

Botany Bay Northern Foreshore Committee.

Botany Bay Control and Development Committee.

Port Kembla Advisory Committee.

Port Kembla Coal Loading Facilities Committee.

Pokolbin Soil Conservation Trial Committee.

The Board of Advice and Reference.

The Patents' Committee.

The Crown Employees (Dredges, etc.) Conciliation Committee.

# DREDGE SERVICE OPERATIONS

The Dredge Service now operates as a trading undertaking with a financial year 1st October to the 30th September.

The fleet continued to provide an overall service in maintaining navigable channels where required in coastal rivers and entrances and ports excluding Sydney, Newcastle and Botany Bay. Dredging at Newcastle was carried out on behalf of the Maritime Services Board.

In addition to this work two hydraulic type dredges were engaged on the Islands Reclamation work in Newcastle Harbour.

Progressive improvements to channels at Newcastle were possible as only one medium flood occurred during the year.

Normal general maintenance and modification of plant were carried out as required. A major overhaul which included the repositioning of the side suction pipes, was commenced on the bar dredge Neptune.

The new diesel-electric ladder bucket dredge, John Main, was launched on the 24th November, 1961, and should be operating early in 1963.

### Particulars of Operations on Coastal Rivers and Ports

YEAR ENDED 30TH JUNE, 1962

River or Port	Vessel Engaged	Tonnage Lifted	Total Tonnage	Cost	Total Cost
Tweed	Harwood	19,221	19,221	£ 13,235	£ 13,235
Richmond	Hermes Coraki	108,968 43,050	152,018	82,750 18,788	101,538
Clarence	H. E. Street Maclean	102,800 44,625	147,425	84,261 19,827	104,088
Camden Haven	Antleon	11,100	11,100	15,000	15,000
Myall River, Cowie Island	Forster	45,750	45,750	2,044	2,044
ake Macquarie	Forster	148,528	148,528	15,669	15,669
Vollongong	Antleon	15,520	15,520	30,622	30,622
ateman's Bay	Antleon	45,100	45,100	38,284	38,284
ort Kembla Wharves	E. O. K. Green	1,000	1,000	617	617
Total Tons Dre	edged		585,662		THE STATE OF THE PARTY

# Dock Transactions 1961-1962

	Rileys Hill Dock Richmond River	Terranora Dock Tweed River	Ashby Dock Clarence River
(1) Number of vessels docked—Departmental	2	1	7
(2) No. of vessels docked—DMR Gross tonnage	1,100		4 790
3) No. of vessels docked—private	Nil	1 75	2 174

The operational costs for the year were £2,399 4s. 8d.

# APPENDIX IIIA

#### WATER SUPPLY AND SEWERAGE

The functions of the Branch include technical and administrative activities associated with the works of water supply, sewerage and stormwater drainage throughout the State, with the exception of the area under the control of the Metro-politan Water, Sewerage and Drainage Board in Sydney, the Hunter District Water Board in Newcastle, the Grafton and South Grafton Water Board and Broken Hill Water Board.

These functions comprise:-

- (1) Water Supply and Sewerage schemes-
- (a) the construction of works in country towns by the departmental day labour organisation and by
- (b) supervision of works being constructed by Councils, and Broken Hill Water Board;
  (c) provision of services for State institutions and hospitals;
  (d) inverse for State institutions and formula for the services for State institutions.
- (d) investigation of schemes, augmentation and extensions in country towns, institutions and hospitals;
- (2) Water Supply purification-

The investigation, supervision of design, construction, installation and inspection of plant and equipment for the purification of trade wastes, domestic water supplies and bathing pools in country towns, institutions and hospitals and public schools.

- (3) Miscellaneous-
  - (a) operation and maintenance of water supply works controlled by the Department;
  - (b) supervision of the mechanical and electrical activities in connection with water supply and sewerage construction;
  - (c) construction, operation and maintenance of River Murray Wor Commission; Works on behalf of the River Murray
  - (d) finalisation of handover of stormwater drainage structures in the Newcastle and Metropolitan areas to the Water Boards; technical advice to councils on stormwater drainage proposals outside the areas of operation of the Metropolitan and Newcastle Water Boards; stormwater problems in Government Institutions ment Institutions.

#### **OPERATIONS**

#### 1. Water Supplies

(A) CONSTRUCTION

Works Under Construction or Completed by the Department

Attunga.—Construction was commenced by Contract.

Bendemeer.—Construction by Contract was commenced.

Bulahdelah.—Tenders have been invited for construction of a weir across the Crawford River, and tenders are about to be invited for the pumping station, reservoir and reticula-

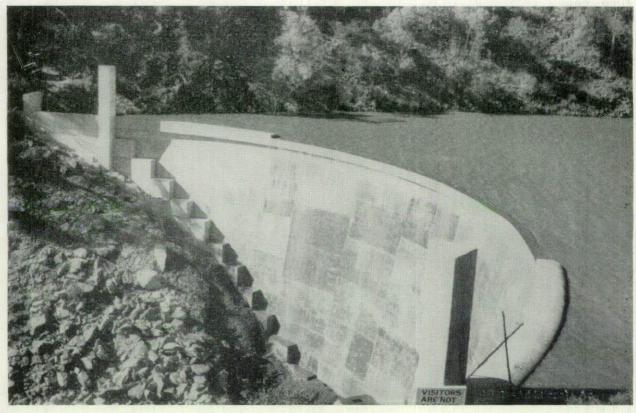
Coonabarabran Augmentation.—Timor Dam, on the Castle-reagh River, was completed by departmental day labour during the year. It is a concrete arch dam 62 feet high with a stor-age capacity of 250 million gallons. The gravitation main, consisting of 8 miles of 10 in. C.I. pipe, was completed by Coonabarabran Shire Council. Total cost was approxi-mately £210,000 mately £210,000.

Fish River Augmentation.—Oberon Dam was completed in 1958 to its full capacity of 10,000 million gallons and supply of water is being provided for Oberon, Wallerawang, Wallerawang Power Station, Lidsdale, Portland, Cullen Bullen, Glen Davis and Lithgow.

Work continued on the extension of supply to the Blue Mountains City Council Area by pipeline and tunnel. The pipeline to Leura, approximately 29 miles long, was 25 per cent completed and the tunnel through the range at Hampton approximately 60 per cent completed. Provision has been made for stock and domestic supplies to be made available in the Cox's Valley and to supply water for fire fighting purposes.

Gilgandra.—Well points are being sunk in the bed of the Castlereagh River, which ceases to flow in dry periods, as a proposed source of permanent supply. Should this intake prove satisfactory, implementation of the remainder of the scheme will proceed.

Gunning.—Construction of pumping station, reservoir and mains by contract is approaching completion.



Timor Dam, Castlereagh River

Hume Reservoir and other River Murray Works.—As a result of enlarging the storage capacity to 2.5 million acrefeet, certain strengthening measures involving the installation of 382 post tensioned cables in the main wall of the dam were carried out. This work was done by contract and completed on 3rd October, 1961. Since that date work has proceeded on the modifications necessary to the storage gate lifting machinery and control mechanism, an approach span lifting machinery and control mechanism, an approach span to the New South Wales end of Bethanga Bridge, and on the construction of a temporary plug in the unused hydroelectric penstock in the dam.

Lower Clarence Water Supply System.—This is a £1,200,000 scheme designed to supply stock and domestic water throughout the Lower Clarence from Grafton to Yamba and will include the large of approximately 100 miles of pipeline. out the Lower Clarence from Grafton to Yamba and will involve the laying of approximately 100 miles of pipeline varying from 21 in. to 4 in. diameter. This is the first occasion on which the Department has used large diameter asbestos cement pipes. It is considered that recent improvements in manufacturing processes warrant the use of this material in larger pipes for moderate heads and material economy has resulted from the use of 21 in. asbestos cement pipes on this project. Construction has been commenced by day labour, and some five miles of piping laid pipes on this project. Construction has been by day labour, and some five miles of piping laid.

Moss Vale.—Construction of this scheme comprising dam and gravitation and reticulation mains was virtual completed.

Tenders have been called for a service reservoir for New

Rylstone-Kandos.—Construction of a water filtration plant by contract approaches completion.

Stroud.—The scheme has been completed and is in operation except for installation of chlorination plant.

Tea Gardens.—Preparatory work has begun for the sinking of five production bores by Hunter District Water Board.

Tibooburra.—The original work has been completed and in operation, but further reticulation extensions are now being carried out.

The Entrance.—Construction is being carried out by a series of contracts.

The pumping station on Wyong Creek was completed whilst the rising main, Mardi Dam, the outlet tower and the first section of the gravitation main were in varying stages of completion.

Plans and specification for the second section of the gravitation main and Service Reservoir were almost completed.

# Works Under Construction or Completed by Councils with Departmental Supervision

Barham (Wakool Shire).—The Department has prepared plans and specifications for new intake works and pumping station, and also a new service reservoir, for Council to call tenders. The Department has invited tenders for pumping machinery on behalf of the Council. Government subsidy is not involved.

Camden Haven (Hastings Shire).—The main scheme has been in operation since 1957, but extensions were recently constructed to serve Bonny Hills and Cathie, at an estimated cost of £78,000. The work was approaching completion and in partial operation.

Hay.—Council has let contracts, using departmental plans and specifications, for new intake works, pumping station, and a service reservoir. The Department has let a contract on Council's behalf for new pumping machinery and has provided a welding inspector to supervise the work on the steel reservoir. Government subsidy is not involved.

Molong.—The Council has let a tender for the construction of a water filtration plant to a departmental specification, and construction has commenced.

Nimmitabel (Monaro Shire).—Contracts for the reticula-tion, pumping station and the service reservoir have been let and construction commenced.

Tweed District (Tweed Shire).—This is a district scheme to serve or augment supply to Murwillumbah, Tweed Heads, and villages on the Lower Tweed, including Kingscliff, Cudgen, Fingal, and possible extensions made to serve Cudgera and Potts Point. The design, plans and specifications were prepared by the Department and the work commenced by Council day labour staff. Estimated total cost is £1,452,000.

The headworks weir was practically complete and storage has commenced for partial operation of the scheme as far as Kingscliff. Pipelines were approximately 75 per cent. complete and in process of being linked by two major crossings over the Tweed River at Barney's Point and Boyds Bay.

Service reservoirs at Murwillumbah, Tweed Heads, Kingscliff and Fingal have been completed and work by Council's day labour staff is about to commence on the balance tank at Kurrara. Of three pumping stations, two are in operation and tenders for the third at Chinderah are about to be invited, as also are tenders for the filtration plant; the chlorination plant at No. 2 pumping station is in operation. A contract for supply of pumping machinery at No. 3 station has been let.

Walgett.—New intake works, pumpwell and filtration plant were under construction by contract to plans and specifications prepared by the Department. A 250,000 gallon steel reservices appreciated voir was completed.

Wauchope Augmentation (Hastings Shire).—Council has accepted the Department's recommendation for a joint intake works with Port Macquarie Council.

#### Water Supplies to State Institutions and Hospitals

Allandale Hospital—Cessnock.—A water supply scheme, constructed by the Hunter District Water Board, has been completed except for connection of the reservoir to the Board's supply.

Farrer Memorial Agricultural High School—Tamworth.-The fully filtered swimming pool has been completed.

#### (B) INVESTIGATION

Investigations were carried out or continued during the car in connection with water supply proposals for the following:-

#### District schemes.

Tweed Shire, Wyong Shire, Central Tablelands Water Supply, Lower Macleay, Tantawanglo water supply, Berrima, Lower Manning.

### New schemes.-

Bullahdelah, Cassilis, Crescent Head, Denman, Gilgandra, Gol Gol, Jindabyne, Mathoura, Nimmitabel, Nundle, Rankins Springs, Tea Gardens, The Entrance, Tuncurry-Foster, Walcha, White Cliffs, Woolgoolga, Wooli.

#### Augmentations.

Armidale, Ballina, Barooga, Bermagui, Buronga, Cobar, Coolah, Coonabarabran, Cowra, Guyra, Ivanhoe, Kempsey, Lavington, Leeton, Merriwa, Mittagong, Narooma, Narrabri, Nyngan, Orange, Parkes, Peak Hill, Port Macquarie-Wauchope, Rous County Council, South Bowenfels, Tibooburra, Wilcannia, Yass.

#### Institutions-Augmentations-

#### Hospitals-

Coff's Harbour District, Gunnedah District, Mater Misericordiae Waratah, Moree District, Morisset, Newington, Nyngan, Peat and Milson Islands Mental, Rydalmere Mental.

Borenore, J. J. Cahill Memorial High (playing fields), Cassilis, Emu Plains High, Epping Boys' High, Kogarah Technical College, Lithgow, Narrabeen High (playing fields), Nerigundah, Penrose, West Kempsey High.

# Other Establishments-

Cassilis Police Station and Court House, Cubawee Aborigines' Reserve, Emu Plains Prison Farm, Goodooga Police Station, Kosciusko State Park Trust's Chalet and Lakeside Inn, Moree Aborigines Reserve, Mt. Penang Training School, National Fitness Camp Narrabeen, St. Helier's Child Welfare Home, State Penitentiary Malabar, University of New South Wales, Nanima Aborigines' Reserve.

#### Special-

Fish River Water Supply scheme, South-west Table-lands Water Supply scheme, proposed flood fore-casting system for the River Murray above Hume Reservoir.

#### (C) PURIFICATION

Investigations have been made regarding water treatment for Bourke and Nimmitabel schemes. Plans were reviewed for water treatment plants for Baradine, Mathoura, Molong, Rylstone-Kandos, Tweed Heads District, Walgett and Wellington water supplies and specifications prepared for Mathoura, Molong and Wellington. Specifications for Tweed District Plant were well advanced.

Chlorination plants have been installed at Junee (Junee Water Supply) and Murwillumbah (Lower Tweed District Supply).

Four new rate control valves have been installed at the Jugiong Plant (South-west Tablelands Water Supply).

#### II. Sewerage

#### (A) CONSTRUCTION

Works either Completed or Under Construction by the Department

Boorowa—The treatment works and pumping station, constructed by departmental day labour, have been practically completed. The reticulation, constructed by contract, was approximately 85 per cent. complete.

Coonabarabran—The treatment works and pumping stations, under construction by departmental day labour, were 80 per cent. complete. A contract has been let for the reticulation and work has commenced.

Coonamble—Construction of the treatment works by departmental day labour was 40 per cent. complete. Pipes were supplied and a contract let for the reticulation construction.

Crookwell—The treatment works and pumping station and portion of the reticulation have been completed by the Department's day labour. Portion of the contract section of the reticulation has yet to be completed.

Mullumbimby—Construction of the treatment works and pumping stations by departmental day labour was 40 per cent. complete. Tenders have been let for pipes and tenders will shortly be called for the reticulation.

Oberon—Construction of the treatment works and pumping station by day labour was about 60 per cent. complete. The portion of the reticulation being carried out by day labour approached completion, whilst a tender has been let for the balance.

Portland—The work, carried out by departmental day labour, has been completed and placed in operation.

Springwood—This scheme, constructed by departmental day labour, has been completed and placed in operation.

Wentworth—Construction of the treatment works and pumping station by departmental day labour was approximately 70 per cent. complete and the contract for reticulation has been commenced.

Works Under Construction or Completed by Councils with Departmental Supervision

Broken Hill—The sewerage treatment works at South Broken Hill by the Board's day labour staff was commenced.

Lismore Augmentation—This work has been completed except for an approved extension in South Lismore.

Tumbarumba—This work has been designed by a private consultant and construction was in progress by contract, the reticulation being approximately 25 per cent. complete and treatment works and pumping station 20 per cent. complete.

Wauchope—This scheme was designed by a private consultant. Contracts have been let for construction of the treatment works and the supply of pumping machinery.

Wingham—This scheme was designed by a private consultant. It has been completed by contract and handed over to the Council.

Provision of Systems for State Institutions, Hospitals and

Farrer Memorial High School, Tamworth—Construction of a small treatment works by contract has commenced.

#### (B) INVESTIGATION

Investigation and design for new sewerage schemes were continued for the towns of Blayney, Broken Hill South, Coonamble, Lawson, Mullumbimby and Wentworth. Preliminary investigations were carried out for Brunswick Heads, Byron Bay, Bangalow, Kingscliff, Mungindi, Port Macquarie, Sawtell, Ulmarra, Urunga, Woodburn, Jindabyne, Kyogle (extensions).

Councils' and consultants' proposals were reviewed for Queanbeyan, Tumbarumba and Wauchope schemes. Technical assistance was given to Armidale, Dubbo, Leeton, Muswellbrook, Orange, Tamworth and Wagga Councils. Numerous proposals were reviewed for extensions to existing schemes referred by the Department of Local Government in connection with loan applications.

Further investigations were carried out for Peat and Milson Islands Mental Hospital.

In addition to 90 routine inspections of country town sewage treatment works and water filtration plants, investigation has been made into the practicability of installing septic tanks at 174 public schools, 7 hospitals, 27 police stations and court houses, and 8 public buildings. Special inspections were made of three sullage disposal areas and five septic tank installations. Sewage treatment works operators have been instructed in the operation and maintenance of the sewage treatment works at Crookwell, Boorowa and Portland. Trade waste problems at Deniliquin, Mudgee, Cootamundra and Tenterfield were investigated.

#### III. Stormwater Drainage

Newcastle.—No drainage works were carried out by the Department during the year, but Council completed, with subsidies from the Department, renewal of two bridges over stormwater channels. Other bridges in the area are to be progressively replaced with structures of a permanent nature.

Metropolitan Area.—The Department carried out minor maintenance work on a number of channel crossings which have now been transferred to the Metropolitan Water, Sewerage and Drainage Board. Gradual progress has been made on the work of desilting the Cooks River main channel from River-street to the railway bridge at Canterbury, for which a contract was let in 1960.

# IV. General

# PUMPING MACHINERY

Investigation was made and technical data compiled for pumping machinery in the following schemes: Barham, Berrima, Lavington, Leeton, New Jindabyne, Port Macquarie, Tea Gardens and Yeoval Water Supplies, and Coonamble, Kempsey, Mullumbimby, Taree, Wentworth and Tamworth Sewerages.

Contracts were placed for supply, delivery and installation of pumping machinery in the following schemes: Attunga, Bendemeer, Bulahdelah, Camden Haven, Gunning, Hay, Moonbi, Narrandera, Nimmitabel, South-west Tablelands, Tweed District, The Entrance, Walgett, Wellington, Yanco, Moss Vale and Mittagong Water Supplies, Boorowa and Coonabarabran Sewerages, and Bathurst Sewerage.

Pumping machinery was installed and acceptance tests carried out at South-west Tablelands and Rylstone-Kandos Water Supplies and Broken Hill, Crookwell, Portland, Springwood and Taree Sewerages, and on behalf of Cooma, Glen Innes, Grafton and Lithgow Councils.

Installation of pumping machinery was completed at Cootamundra, Coonamble, Inverell, Ivanhoe, Narrandera, Goulburn, Hay and Moree hospitals and Jenolan Caves House. Plants were ordered for Dunedoo and Urbanville Hospitals and Armidale Teachers' College, Smith House, at Armidale.

Effluent pumps for installation of septic tanks and water supply booster and fire service pumps were provided for 18 schools and 6 public buildings.

Investigations have been carried out for water treatment at Armidale, New England, Molong, Mona Vale, Tingha, North Shore, Walcha District Hospitals and University of New South Wales.

#### FLUORIDATION

Fluoridation of water supplies was commenced at Goulburn and Orange and joint inspections were carried out at Forbes, Uralla, Manilla, Guyra and Moss Vale.

#### SWIMMING POOLS

Tenders for school pool treatment plants at Berrigan, Cobar, Cudal, Finley, Gloucester, Hillston, Kandos, Macksville, Maclean, Manildra, Moruya, Murwillumbah, Narromine, Springwood, Trangie, Wee Waa, Wentworth, Wollongong West have been reviewed.

A treatment plant for the Pool at Farrar Memorial High School, Tamworth, has been installed.

A specification was prepared and a contract let for a treat-ment plant for the pool at Thornleigh Girls' Training School.

Investigations were made regarding new plant for the Young pool.

# MISCELLANEOUS ACTIVITIES

#### V. Operation

This branch continues to be responsible for the Head Office supervision of the operation and maintenance of the Southwest Tablelands, Junee, Mulwala and Fish River water supply schemes.

The 1-million gallon capacity steel reservoir at Wyalong has been completed together with the associated pumping station.

The 500,000 gallon reinforced concrete service reservoir at Cootamundra including inlet and outlet mains has been completed and is in service.

Duplication of the main between Harden P.R.V. and the Harden service reservoir (2.8 miles) was completed using 8-in. C.I.C.L. pipes.

Aurville extension reticulation mains have been completed and the new 50,000 gallon capacity tank is about to be connected to the system.

Reticulation extensions have been carried out at Young, Temora, Cootamundra and Wyalong.

#### FINANCIAL.

During the year expenditure on Fish River water supply was £476,000, and on South-west Tablelands water supplies £73,000. New South Wales Government Contribution to River Murray New South Wales Government Contribution to River Murray Commission for capital works was £81,000, and for maintenance and operations £79,000. Government assistance towards construction of water supply and sewerage works for shires and municipalities was approximately £643,000 and councils contributed slightly more than this amount. An additional £12,000 was financed from Revenue funds for dredging of Cooks River stormwater channel and other stormwater drainage work age work.

#### VI. REPRESENTATION ON COMMITTEES

The Water Supply and Sewerage Branch is represented on the following committees:—

Pollution of streams.
Pollution of navigable waters.

Inter-Departmental sewage treatment works. Fluoridation of water supplies.

Fluoridation of water supplies.
Hydrogen sulphide corrosion.
Association of Water Supply and Sewerage Treatment.
Inter-Departmental Swimming Pool Standards.
Shoalhaven Water Supply investigation.
Water Research Foundation of Australia—New South
Wales State Committee.
Catchment Areas Protection Board.
Water Resources Conference—New South Wales SubCommittee.

Water Resource Committee.

Plumbing Trades Advisory Committee. Standards Association of Australia, Explosives Committee.

# APPENDIX IIIB

#### RIVER MURRAY WATERS

#### HUME RESERVOIR

#### CONSTRUCTION

Investigation and design work was carried out in respect of the temporary plug for the No. 3 Hydro-electric penstock and modifications to the Bathanga Bridge. Measurements were made of the deflection of the dam under load. In order were made of the deflection of the dam under load. In order to lessen maintenance investigation was commenced into the possible use of lightweight concrete replacement slabs for the decking of the Bethanga Bridge. A suitable concrete mix has been developed and construction commenced on test

In the field, the post-tensioning contract was completed on 3rd October, 1961. Since that date construction of the approach span to the New South Wales pier of the Bethanga Bridge has been carried to an advanced stage, the fitting of control switchgear to the stoney gate winches for the irrigation outlets continued, reconstruction of the roadway over the dam and construction of the temporary plug to the No. 3 Hydro-electric penstock commenced, and reconstruction of the protective fences across the spillway gate bays were completed. Completed quantities for the post-tensioning were as follows:—

Drilling 4½ in. x 4¾ in. holes	382	69,393.5 ft.
Waterproofing holes	360	4,932 bags cement
230 tons cables installed		47,509.5 ft.
Protecting grouting	382	5,510 cu. ft.

#### MAINTENANCE

MAINTENANCE

The surface level of the reservoir rose from R.L. 598 ft. 2½ in. on 1st July, 1961, to a level of R.L. 609 ft. 7½ in. on 31st August, 1961, and fluctuated gradually to reach a maximum level of R.L. 614 ft. 11 in. on 18th and 19th October, 1961, following which the level dropped to a minimum R.L. of 574 ft. 7½ in. on 4th and 5th May, 1962, and rose again to 589 ft. 6½ in. at the close of the year, corresponding maximum and minimum storages being 1,525,000 acre feet and 408,900 acre feet. Spillway gates were not operated during the period.

The quality of stored water was generally good throughout the year The total evaporation for the year was 48.62 inches.

The quarterly readings of pH values were as follows:-

Quarter ending	Reservoir	Valves	Murray Arm	Nitta Arm
30th September, 1961	7·4	7·4	7·2	7·0
31st December, 1961	7·3	7·4	7·1	7·2
31st March, 1962	7·5	7·5	7·3	7·1
30th June, 1962	7·3	7·5	7·4	7·4

Needle valves were operated regularly and maintained in good working condition. Penstocks No. 1 and No. 2 were operated regularly for power generation and No. 3 valve remained closed during the whole of the year. Stoney sluice gates were operated as required and routine maintenance of gates and winches and painting of penstock liners carried

The auxiliary turbine operated satisfactorily, the total amount of power supplied to the State Electricity Commission of Victoria being 915,600 K.W.H. and the amount of power obtained from that Authority was 319,000 K.W.H.

Recording gauges and water level indicators operated satis-

The road to Doctor's Point has been regravelled and arrangements have been made for the rehabilitation of the existing telephone line to this gauge.

Painting and general maintenance of Bethanga Bridge and routine maintenance on machinery, fire breaks, foreshore plantations, and buildings was carried out.

#### WEIRS AND LOCKS ON RIVER MURRAY

#### Weir and Lock 10 at Wentworth

The weir was in position throughout the whole of the year. The maximum and minimum levels recorded during the year were 104.6 and 100.8 respectively.

A tender was let during the year for the mechanisation of the cranes and design is proceeding for the electrification of the hoists at the stacking ground.

A contract was let for the supply of spalls for remedial treatment to the scoured area of the lock and some two-thirds of the order has been delivered.

Work was commenced to improve the road access to the lock.

Routine maintenance of machinery, grounds, lawns and buildings was carried out.

#### Weir and Lock 15 at Euston

The weir was in position throughout the whole of the year. The level remained fairly steady with a level of 158.5 at the beginning of the period and was 159.15 at 30th June,

The Lockmaster's residence was completely renovated.

Tenders have been let for the construction of a stacking area, and the mechanisation of the cranes.

Design is proceeding for the electrification of hoists to be installed at the new stacking ground.

Routine maintenance of weir equipment, grounds, fire-breaks, and buildings were carried out. Work was continued on the control of noxious weeds.

## WEIRS ON THE MURRUMBIDGEE RIVER

#### Weir 5 at Redbank

Flooding was commenced on 17th July, 1961, and continued till 30th October, 1961. Operations for storage commenced on 30th October, 1961, and terminated on 29th November, 1961. There was an open river from 29th November, 1961, till 19th February, 1962, when the gates were operated for storage; this operation was still continuing at 30th June, 1962. The maximum and minimum levels were R.L. 223.5 and R.L. 214.5. During the period that the gates were out the gates and all their components and auxiliaries were subject to detailed maintenance.

Beaching continued on the South Bank and was completed February, 1962, when work commenced on the North

Routine maintenance of machinery, lawns, water supply, road, buildings and telephone line were carried out.

#### Weir 7 at Maude

The weir was operated frequently. At the beginning of the period the pool stood at R.L. 245.1. The gates were operated for both flooding and storage till 17th June, 1962, from which date the River was open till 21st June, 1962. On 24th June, 1962, storage began and was still continuing at the end of the year when the level was R.L. 242.3. The maximum level of R.L. 251 was attained on 6th October, 1961, and the minimum level was R.L. 241.7 at 19th December, 1961. At 30th June the R.L. was 242.30.

Routine maintenance was carried out on machinery, grounds and buildings.

#### NAVIGATION

Details of river traffic passing the various structures during the year 1961-1952 were as follows:—

Month	Steamers	Barges	Launches and Boats	Total Craft
	Lock 10 a	t Wentwo	orth	
1961 July			2	***
August			1	***
September		***	1	***
October			3	***
November	***	***	2	***
December			3	***
1962 January	***	***	6	***
February	***	***	4	***
March	***	***	1	***
April	***	***	2 4	***
May	***	•••	4 2	***
June		***	2	***
Totals			31	31

# APPENDIX IV

#### ARCHITECTURAL

#### **FUNCTIONS**

The functions of the Government Architect's Branch comprise:—

- (1) the preliminary investigation, design and preparation of plans and specifications for the construction and equipment of public buildings and extensions and alterations thereto; including mechanical and electrical engineering services, e.g., lifts, steam raising and heating equipment; sterilizing equipment, operating theatres, laundry equipment, X-ray, radio and telephone equipment;
- (2) the supervision of the works referred to in (1) above;
- (3) the research on behalf of and technical advice and assistance on architectural matters (including mechanical and electrical engineering services) to other departments and instrumentalities.

#### **OPERATIONS**

The branch was again fully employed in designing and supervising the construction of a wide variety of buildings required by State Departments and Authorities. The emphasis was once more on buildings required for health and educational services.

The expenditure on projects supervised by the branch increased to approximately £23,000,000. This expenditure was incurred on 512 projects.

The brief details of planning and construction set out are fully detailed in the summary on the following pages.

An increased number of sketch plans and working drawings was prepared, the total estimated cost of projected work amounting to £46,773,700.

The larger projects on which construction commenced were:—

	£
Port Kembla District Hospital—new hospital	1,751,200
Mona Vale Hospital—new hospital	1,715,800
Registrar-General's Department—alterations and additions	769,000
Macleay District Hospital—new buildings an alterations	d 496,000

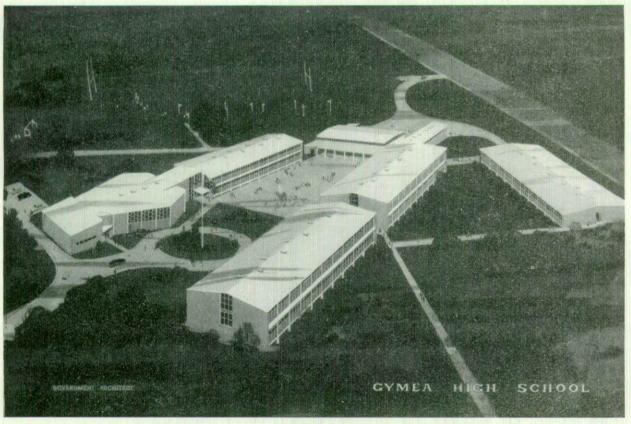
and a further 34 projects each estimated to cost over £100,000.

#### DESIGN

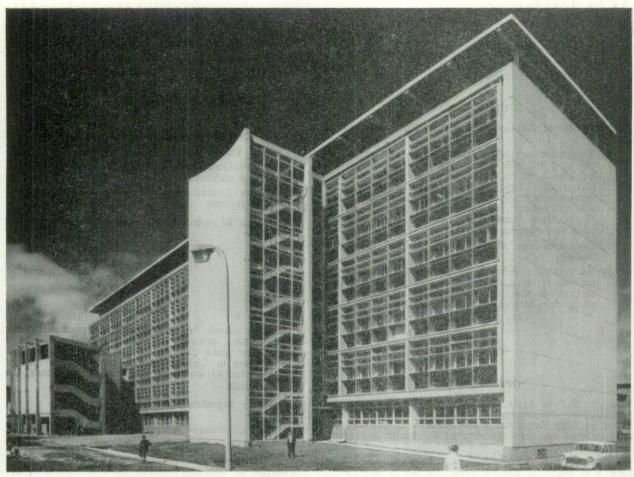
#### Sketches

Sketch proposals for new hospitals, expansion of existing hospitals, etc., covered 59 schemes while designs were prepared for some 281 school buildings, technical colleges and additions to Universities, 22 court houses and police buildings, plus 13 works of a miscellaneous nature, a total of 375 projects.

1	he more important sketch proposals were:—	
		£
	Prince of Wales—General Hospital	4,000,000
	Lidcombe State—Geriatric Hospital	2,250,000
	Prince of Wales-Nurses' home	2,000,000
	Prince of Wales—Children's Hospital	1,500,000
	Cessnock Gaol—Development Plan	1,500,000
	Bathurst Teachers' College—Development	1,000,000
	Eastern Suburbs Technical College—new college	1,000,000
	Registrar-General's Department—Additions	750,000



Gymea High School, Perspective Drawing of Proposed Development



School of Chemistry-University of New South Wales

	£
Wollongong Technical College—Stage 3	700,000
Orange Base-Additional Accommodation	614,000
University of Sydney—Stack Block—Fisher Library	530,000
Sydney Technical College—Graphic Arts Block, Stage 2	520,000
Gymea Technical College—Stage 2	500,000
Hornsby Technical College—Development Scheme	500,000
Cessnock Gaol-New Buildings	500,000
Gymea Technical College-Stage 2	500,000
Hornsby Technical College—development plan	500,000
and a further 84 proposals each estimated to £100,000.	cost over

#### CONSTRUCTION

The branch expenditure approximated £23,000,000 in respect of 512 hospital, school, university, technical college and public building projects and at the close of the year 193 schemes estimated to cost £20,199,450 were under construction.

Some of the major projects completed were:-

	£
University of New South Wales-Building A	1,429,500
Royal Prince Alfred Hospital—Professorial block	
Port Kembla High School—Stages 1 and 2	413,100

and a further 36 projects each estimated to cost over £100,000.

#### **Engineering Division**

The Engineering Division was engaged in the investigation, planning, design and supervision of the very wide range of engineering works associated with the building programmes, including thermal engineering, air-conditioning and refrigeration, ventilation, sterilization, lifts, electronics, lighting, power and general mechanical/electrical engineering. The magnitude and complexity varied with the nature and extent of the architectural projects concerned.

In addition to playing its part in the many architectural works listed in this report, the Engineering Division also carried out many substantial works not directly involved with building activities, such as the installation of a high temperature high pressure heat distribution scheme at Morisset Mental Hospital, a major boiler plant at Manly District Hospital, and the design and supervision of lighting and ventilation equipment with complex safety and automatic control gear for the tunnel of the Cahill Expressway.

The Housing Commission of New South Wales and the Government Insurance Office of New South Wales were again assisted by departmental inspectors.

Other activities of a miscellaneous nature such as the Electrical Services Workshop and the routine mechanical inspection provided to hospitals in the Public Works District of Bathurst continued as in previous years with highly satisfactory results.

Special attention was directed during the year to the increasing importance of sterilisation in hospitals, firstly, in regard to the administrative and technical problems associated with central sterilisation procedures, and secondly, to the design and manufacturing difficulties of automatic sterilising equipment. Expenditure in this field is now of the order of

£300,000 per annum, and a senior mechanical engineeer has now been assigned to the special task of studying the problem in all its aspects. It is foreshadowed that it may become necessary to constitute a permanent specialist sterilisation section similar to the long established X-ray section.

In the last few years there has been a large increase in the variety of equipment offering both locally and overseas. This equipment has been the subject of a special survey, particularly in relation to major steam raising plant to be installed in hospitals. This has lead to a change of policy in the manner of specifying this type of plant and the department will now be in a position to gain the maximum advantage of the wide field of boiler equipment available with greater security as to performance and efficiency.

#### REPRESENTATION ON COMMITTEES

The branch is represented on the following committees:

Public Buildings Advisory Committee.

Macquarie Street Replanning Committee.

Prince Henry Hospital Building Committee.

Observatory Hill Re-development Committee.

Heights of Buildings Advisory Committee.

Building Regulations Advisory Committee.

Education Department School Standards Committee.

Inter-departmental Building Committees of Education and Technical Education Departments.

Anaesthetic Safety Committee—Hospitals Commission.

Sterilisation Committee—Hospitals Commission.

Building Committee—Hospitals Commission.

Working Drawings Reviewing Committee.

University of New South Wales Building Committee.

Health Department—Mental and State Hospitals and Homes Planning and Reviewing Committee.

Standards Association of Australia—various Committees.

Department of Technical Education Building Advisory
Committee.

National Trust of Australia investigating classification and recording of Historic Buildings.

Sterilisation Research and Advisory Council of Australia. Anaesthetic Explosion Hazards in Operating Theatres.

The Principal Engineer is chairman of the State X-ray Committee, and of the Electrical Safety Publicity Committee (for the Electricity Authority of New South Wales).

#### GENERAL

#### Schools

During the year regular liaison was maintained with the Department of Education, and many changes effected in room layouts to keep up-to-date with modern educational practice. On 31st October, 1961, the Minister for Education introduced the Education Bill, 1961, into the Legislative Assembly outlining the plan for re-organisation of secondary schooling, which is the prelude to some of the most far reaching reforms in the history of secondary education in New South Wales.

Introduction of these reforms necessitated a complete revision of accommodation requirements for secondary schools and a complete re-planning of standard room layouts for some specialist teaching rooms. Work progressed on the necessary planning and new standard drawings for typical room layouts were well advanced.

It was necessary to replan the standard 1,000 pupil high school to comply with the amended accommodation requirements. This work was given priority and the results will be availed of in planning new high schools for the 1964 year.

Resoures made available were fully committed in keeping up with the very pressing demands for additional school accommodation, and there was little time available for research into experimental school types. Some work was done on a new primary type classroom and research was also conducted into requirements for one teacher schools, and this will be pursued further after completion of a prototype now under construction near Kurrajong. It is pleasing to report that working drawings are in course of preparation for two experimental type schools at Oak Flats East and Belmont, for which sketch designs were completed in the previous year, with a view to their being constructed at an early date.

#### Hospitals

Regular meetings with the Hospitals Commission to discuss major problems and policy matters continued throughout the year and covered such items as the more extensive use of cast iron boilers in lieu of steel boilers, treatment of water from Warragamba Dam for boiler use, and many other aspects of hospital work.

The Prince of Wales Hospital scheme, a new teaching hospital for training post graduates and under graduates of the University of New South Wales, was designed in sketch plan form and an intensive planning programme was adopted during the period December, 1961, to June, 1962, resulting in sketch



Quadrant Block, North Sydney Technical College



Mona Vale Hospital (under Construction)

plans of a general acute hospital of 700 beds, a children's hospital of 250 beds, accommodation for 1,000 nurses, a boiler house and laundry, a radiotherapy institute to handle 1,000 to 1,500 new patients per annum, plus many smaller ancillary units.

The Lidcombe State Hospital was designed to contain 400 beds and represents a completely specialised unit for the care of the aged which is without precedent in this State.

## Mental Hospitals

During the year, a great deal of activity took place in connection with a completely new concept in the treatment of the mentally ill.

This new approach necessitated an intensive research into planning of standard psychiatric units for the use as day hospitals in conjunction with an existing mental or general hospital.

Standard type hospital units for children of various age groups and condition, psychiatric community centres and outpatients departments in various suburbs and in close proximity to the General Hospitals were developed.

Initial planning commenced for the complete re-organisation of the Callan Park Mental Hospital and modernisation of two selected wards in each Mental and State Hospital in New South Wales, known as project wards.

### New Government Office Building

The erection of the State Government Offices in Macquarie, Bent and Phillip Streets advanced a further stage. Excavation of the site was completed and a contract entered into for the supply and fabrication of the structural steelwork. Tenders for the erection of the building itself are expected to be invited during November, 1962.

#### Staff

Additional appointments of overseas personnel were most beneficial to the branch but, as in previous years, it was necessary to allot the preparation of working drawings to a panel of over 257 private architects and consulting engineers to avoid serious delays in the calling of tenders for important projects.

Thirty-three trainees are employed. The regular recruitment of trainees is considered to be the most satisfactory way to overcome the shortage of trained staff.

## SUMMARY

## Design

SKEICHES		
	Projects	Estimated Cost
Hospitals	59	£ 13,616,300
*	37	13,010,300
Schools, Universities and Technical Colleges	281	18,410,200
Department of the Attorney- General and of Justice	22	2,901,900
Miscellaneous	13	642,400
Totals	375	£35,570,800

WORKING DRAY	WINGS	
	Projects	Estimated Cost £
Hospitals	26	1,234,650
Schools, Universities and Technical Colleges	137	8,211,350
Department of the Attorney- General and of Justice	10	179,700
Miscellaneous	28	1,577,200
Totals	201	£11,202,900

## CONSTRUCTION

WORK COMMENCED PRIOR TO 1ST JUDIEN THE YEAR	JLY, 1961, AN 1961-1962	ND COMPLETED
	Projects	Estimated Cost £
Hospitals	54	3,956,700
Schools, Universities and Technical Colleges	125	9,047,300
Department of the Attorney- General and of Justice	7	125,000
Miscellaneous	23	795,200
Totals	209	£13,924,200
	-	

Work	COMMENCED	DURING	THE	YEAR	1961-1962	AND	STILL
A.		IN F	ROGE	FSS			

IN PROGRES	55	Estimated
	Projects	Cost
Hospitals	22	4,882,800
Schools, Universities and Technical Colleges	124	6,198,350
Department of the Attorney- General and of Justice	19	755,800
Miscellaneous	11	1,650,100
Totals	176	£13,487,050

## WORK COMMENCED PRIOR TO 1ST JULY, 1961, AND STILL IN

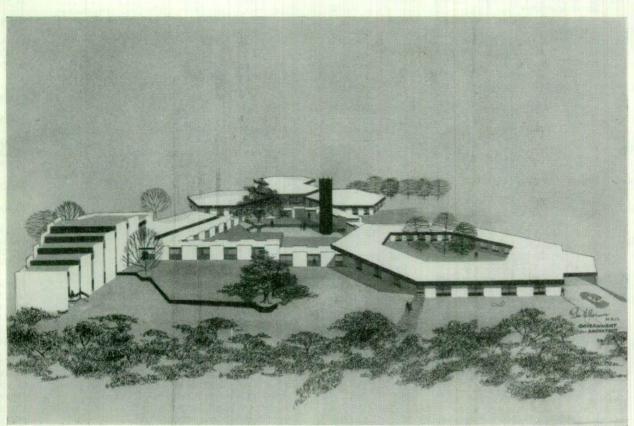
PROGRESS		
	Projects	Estimated Cost £
Hospitals	7	3,966,300
Schools, Universities and Technical Colleges	6	2,183,500
Department of the Attorney- General and of Justice	1	4,300
Miscellaneous	3	558,300
Totals	17	£6,712,400

## Design

SKETCHES	
Hospitals—	£
Prince of Wales-General Hospital	4,000,000
Lidcombe State—Geriatric Hospital	2,250,000
Prince of Wales—Nurses' Home	2,000,000
Prince of Wales-Children's Hospital	1,500,000
Orange Base-Additional Accommodation	614,000
Prince of Wales—Boiler House and Laundry	400,000
Broughton Hall—Psychiatric Centre	295,500
Prince of Wales—Radio Therapy	280,000
Lidcombe State—Nurses' Home	275,000
Royal Prince Alfred—Teaching	
Accommodation	200,000
Bathurst—Theatre Block and X-ray	200,000
Rydalmere Mental—New Nurses' Home	183,000
Wallsend District—Outpatients, Pathology	
and Casualty Block	176,000
Wallsend District—Stage 2	176,000
Standard Psychiatric Unit	85,000
Parkes District-Boiler House, Laundry and	00 000
Amenities	80,000
Garrawarra—New Nurses' Home (Amended	90,000
Scheme) Standard Geriatric Unit	80,000 63,800
Tibooburra District—New Nurses' Home and	03,000
Alterations	55,000
Bathurst—New Boiler House	53,000
Prince of Wales—Childrens' Interim Accom-	33,000
modation	50,000
Randwick Chest Hospital—New Surgical	50,000
Block	40,000
Diova	.0,000

## WORK COMMENCED AND COMPLETED DURING THE YEAR

1961-1962		
	Projects	Estimated Cost £
Hospitals	9	173,900
Schools, Universities and Technical Colleges	89	2,487,900
Department of the Attorney- General and of Justice	3	31,800
Miscellaneous	9	117,600
Totals	110	£2,811,200



New Psychiatric Clinic-Broughton Hall, Perspective Drawing

Hospitals—continued—	£	Schools, Universities and Technical Colleges-	
Prince of Wales—Out-Patients	40,000 35,500	continued— Emu Plains High School—Stages 1 and 2	£
Prince of Wales—Accident Unit	35,000	Granville Technical College—Stage 2	250,000 250,000
Eastern Suburbs—Extensions to Children's Ward and Nursing Accommodation	34,200	Swansea High School—Stage 1	245,000 231,000
Rylstone District-New Nurses' Home	30,000	Moss Vale High School—Stages 1 and 2	228,000
Allandale, Cessnock—Bulk Store Lidcombe State—Three Medical Officers'	30,000	Castle Hill High School—Stages 1 and 2 Moree Public School—New Primary School	225,000
Residences Narromine District—Ten-bed Ward Unit	27,000 26,000	and Additions to Infants' School	227 000
Womens, Crown Street-Lift to Founders'		(Amended) Hurlstone Agricultural College—Stage 3	223,000 220,000
Block	21,000	Wagga Wagga Technical College—Stage 3 Armidale Demonstration School—New Pri-	200,000
Swimming Pool, etc	20,500	mary Department	200,000
McCaughey Memorial — Urana — Nurses'	20,000	Moree Public School—New Primary School	200,000
North Ryde Psychiatric Centre—Single Resi-	20,000	and Additions to Infants' School	200,000
dent Medical Officers' Block Bankstown District—Enlarging of Laundry		University of New England—School of Chemistry	185,000
Rylstone District—Ward Accommodation	19,900 19,500	Greystanes High School—Stages 2 and 3 Haberfield Demonstration Primary School—	180,000
Gladesville Mental—Remodelling Existing		Consolidation of Primary Department	161,000
Dining room, etc., for Stores purposes . Sutherland District—Enlarging of Laundry	17,000	Whitebridge High School—Stages 1 and 2 Busby—New School	160,000 156,500
Facilities Boggabri District—Proposed P. and I. and	16,100	Ingleburn—New School	155,400
Children's Wards	14,000	Heckenburg—New School	155,000
Goulburn District—Labour Ward	12,000 12,000	dation	153,000
Eastern Suburbs—Recovery Room, etc	11,700	Castle Hill High School—Stages 1 and 2	150,000 150,000
North Ryde Psychiatric Centre—Animal House, Oliver Latham Laboratory	9,600	West Wyalong High School—New Accommodation	145,000
Wellington District-Outpatients and Casual-	9,200	Cumberland High School—Stages 2 and 3	140,000
ties Facilities Lidcombe State—Additional Accommodation		Bathurst Teachers' College—New Female Dormitory Block	140,000
for Sterilising Department  North Ryde Psychiatric Centre—Alterations	8,700	Kogarah Girls' High School-Additions and	
to Ward 5 to provide Solarium	8,600	Conversions Gilgandra Intermediate High School—New	140,000
Canterbury District—Roof Repairs to Mater- nity Units and Nurses' Home	8,300	School Sadlier—New School School	135,800 124,700
North Ryde Psychiatric Centre—Tennis Courts etc., for Use of Staff	8,300	Wallsend West High School—Stage 2	
Parramatta Mental—Erection of Solarium		Development Rooty Hill High School—Stage 3	121,000
and Dayroom, Female Wards  North Ryde Psychiatric Centre—Conversion	8,200	Belmont Primary School—Consolidation of	
of Main Kitchen to Store	8,000	Primary Department	117,000
Temora District—New Plant Room Peat and Milson Island Mental—Provision of	5,000	modation Ultimo Public School—New School	112,000 111,600
Toilet Facilities, Ward 3	4,800 4,400	The Forest High School—Stage 3	104,300
Broughton Hall Psychiatric Clinic-Central		Wagga Wagga Teachers' College—New Library	94,500
Sterilising Unit	4,100	University of New England—Psychology	
Sub-Station	2,500	EducationUniversity of New England—Agricultural	90,000
Werris Creek—Casualty Room Kenmore Mental—Provision of Garages for	2,500	Economics Oak Flats East Public School—Stage 1	87,000 82,000
Motor Vehicles	2,200	Walters Road—New School	80,500
Extensions	2,100	Blacktown North Public School—Develop- ment Plan	80,000
Strickland Convalescent—New Recreation Room in Loft of Workers' Quarters	2,100	Manilla Intermediate High School—Stage 1 Old Guildford Public School—New Primary	80,000
Total £	13,616,300	School	76,000
_	.13,010,500	Pennant Hills West Public School—Develop- ment Plan	75,000
		Westlawn—New Primary School Picnic Point High School—Stage 3	72,000 70,000
Schools, Universities and Technical Colleges-		Coff's Harbour Public School—Development	
Bathurst Teachers' College—Development	£	Plan Lindfield East Public School—Development	70,000
Plan	1,000,000	Plan Lindfield East Public School—Amended	70,000
Eastern Suburbs Technical College—New College	1,000,000	Development Plan	70,000
Wollongong Technical College—Stage 3 University of Sydney—Stack Block—Fisher	700,000	Avalon—Stage 2	69,900 69,200
Library	530,000	Oak Flats High School—Stage 2	69,200
Sydney Technical College—Graphic Arts Block, Stage 2	520,000	and Amenities	67,000
Gymea Technical College—Stage 2 Hornsby Technical College—Development	500,000	Riverstone High School—Stage 2	66,200 66,000
Scheme	500,000	Albury North High School—Stage 3 Chester Hill High School—Stage 2	64,600
University of New England—Duval College Mona Vale High School—Stage 1 and 2	450,000 350,000	Port Macquarie High School—Assembly Hall	62,100
University of New South Wales—College		Wentworth Central School—New Accom- modation	59,000
Buildings, High Street Standard One Thousand Pupil High School—	333,000	Marayong South—New School	59,000
New Design	330,000 260,000	Riverwood—New School Ashcroft—New School	58,500 57,800
Seaforth Technical College—New College	255,800	Ingleburn North—New School	57,000
Meadowbank Technical College—Stage 2 Newcastle Technical College—New Trades	250,000	Brookvale—New Primary	55,000
Workshop Block	250,000	Administration Block	50,600

Schools, Universities and Technical Colleges—	£	Schools, Universities and Technical Colleges—	£
Merrylands High School—Assembly Hall		Helensburgh Public School—Accommodation	19,700
(Amended)	50,000	Seven Hills West—Accommodation	18,300
Toukley Public School—Development Plan	50,000	St. Mary's South—Accommodation Harbord—Accommodation and Library	18,200
University of New England—Store and Workshop	50,000	Toukley Public School—Kindergarten, Two	18,100
Harrington Street—New School	50,000	Classrooms, etc	17,800
St. George Girls' High School—Stage 2	50,000	Blacktown South—Accommodation	17,700
Additions Birrong Girls' High School—Provision of two	50,000	vision of Biology Preparation and Work-	
extra laboratories and Additional Accom-		room	17,000
modation	50,000	Armidale Teachers' College—C. B. Newling	16 000
Ariah Park Central—Secondary Accommodation	49,000	House Hospital Block	16,900
St. Marys North—Accommodation	48,300	pital Block	16,900
Bennett Road—Accommodation	47,300	Holsworthy—Accommodation Turramurra North—Accommodation	16,800
Marayong North—Accommodation Peakhurst Heights—New School	47,200 45,100	Cambridge Park—Accommodation	16,500 16,000
Ringrose—New School	45,000	Ingleburn High School—Additions	16,000
Newcastle Teachers' College—Gymnasium	45,000	Matraville South Public School—Stage 2 Development	16,000
Sydney Teachers' College—Gymnasium Wagga Wagga Teachers' College—Gymasium	45,000 45,000	Bexley South—Accommodation	15,500
Bathurst Teachers' College—Gymnasium	45,000	Gordon East—Accommodation	15,100
Narwee Bays' High School—Assembly Hall Batlow Central School—New School Building	43,400 42,500	Burwood Visual Education Centre—Proposed Extensions and Renovations	15,000
Berkeley South Public School—New Infants'	42,300	Ryde North Public School-New Classroom	15,000
School	42,000	Building	14,000
Beecroft—New Primary Department Terrigal Public School—Development Plan	41,000	Kirrawee Public School—Additional Accommodation	14,000
Oyster Bay Public School—Additional Accom-	40,000	Lynwood Park Public School—Additional Ac-	,
modation	39,000	commodation Waitara—Accommodation	13,700
Temora High School—New Assembly Hall Farrar School for the Deaf—New Special	38,100	Woolooware—Accommodation	13,600 13,400
School	37,500	Rvde North—Library	13,400
Hay Public School—Four Brick Veneer Class-	26 700	Heathcote—Accommodation Maroubra Bay—Accommodation	13,000 13,000
Broken Hill High School—New School Build-	36,700	Forestville—Accommodation	12,900
ing	36,000	Castle Hill—Accomodation	12,800
Pennant Hills West Public School—New Class- room and Administration Block	25,000	Padstow Park—Accommodation Panania North—Accommodation	12,700 12,300
Casula—Accommodation	35,000 34,300	Sylvania—Accommodation	11,800
Denistone East—New Primary Department	34,000	Kingswood—Accommodation	11,800
Mullumbimby High School—Additions Penrith South—Accommodation	34,000 33,300	Lindfield—Accommodation	11,800 11,000
Kogarah Public School—New Primary De-	33,300	Lindfield—Accommodation	10,900
partment	32,000	Glenbrook Primary School—Additions North Sydney Boys' High School—Replanning	10,100
Elanora Heights—Accommodation North Sydney Demonstration School—New	31,800	of Science Building	10,000
Assembly Hall	30,600	University of New England—Sports Pavillion	10,000
Allambie Heights—Accommodation Blayney Public School—New Infants' School	30,200	Birrong—Accommodation Camden South—Accommodation	10,000
Oatley West—Accommodation	30,000 29,800	Dartford—(Normanhurst West)—Accommo-	10,000
Yowie Bay—Accommodation	28,300	dation Mona Vale—Accommodation	10,000
La Perouse Primary School—New Assembly	27,900	Narrabeen North—Accommodation	10,000
Hall	26,300	Paddington—Toilets	10,000
Morisset Central School—New Secondary Ac-	26,000	Seven Hills—Accommodation  Hornsby Park—Accommodation	9,900 9,700
commodation	20,000	Blacktown West—Accommodation	9,700
New classroom, cookery building	25,800	Maroubra Junction Central School-Accom-	0.400
Cowra High School—Toilet Accommodation Blayney Intermediate High School—Addi-	25,500	Mt. Pritchard East—Accommodation	9,400 9,400
tional Accommodation	25,000	Bowral High School—Alterations to Cycle	
Dee Why Public School—New Assembly Hall French's Forest Public School—Alterations	25,000	Shed Point Clare Public School—Additional Accom-	9,200
and Additional Accommodation	25,000	modation	9,200
Parkes High School-New Classroom and		Macquarie Fields Public School—New School	0.000
Conversion of Assembly Hall Warrimoo South Public School—Stage I	23,500 23,500	Building and Installation of Septic Tank Asquith—Accommodation	9,000
Marsden Road—Accommodation	23,400	Kemps Creek—Accommodation	9,000
Oxlev Park—Accommodation	23,100	Leppington—Toilets	8,900
Blaxland East—New School	23,000	Barraba Central School—Extensions to Food Service and Laboratory	8,900
Two Classrooms	23,000	Engadine West—Accommodation	8,900
University of New England—Domestic	22,000	Seven Hills Public School—Septic Tank and	
Quarters Queanbeyan High School—New Science and	22,000	Sewerage	8,600
Manual Training Block	21,500	Epping West—Accommodation	8,500
Balgowlah North—Accommodation Ramsgate—Accommodation	21,300 21,300	Kahibah Public School—Additional Classroom Accommodation, Toilets and Ground Im-	
Cambridge Park—Accommodation	21,200	provements	8,500
Old Guildford—Accommodation	21,200	Condell Park—Accommodation	8,400
Armidale Teachers' College—New Hospital	20,400	Comleroy Road Public School—New Brick	9 200
Bennett Road—Accommodation	20,300	Veneer Classroom Block Camden Public School—Two Classrooms and	8,300
Kent Road—Accommodation Arthur Phillip High School—New Toilet	20,300	Clinic	8,000
Blocks	20,200	Chullora Public School—New Administration	
Gore Hill Technical College-Ground Im-		Unit	8,000
Padstow Heights—Accommodation	20,000 19,800	Yates Avenue—Accommodation	8,000
Collaroy Plateau West—Accommodation	19,800	Guildford West Public School—Septic Tank and Sewerage	7,900
			1,500

chools, Universities and Technical Colleges—	£	Schools, Universities and Technical Colleges—	£
Deniliquin South Public School—Additional	£	continued— Thornton Public School—Additional Accom-	L
Classroom, Accommodation, Toilets,		modation, Toilets, Ablutions, Ground	
Ablutions and Ground Improvements	7,900	Improvements	3,800
Turramurra—Toilets Mooney Mooney Public School—Additional	7,800	Goonellabah Public School—Additional Accommodation, Toilets, Ablutions	3,700
Accommodation	7,600	Cowan Public School—Septic Tank and	3,700
Eastwood—Library	7,500	Sewerage	3,700
Peakhurst West—Accommodation	7,500	Baulkham Hills—Accommodation	3,700 3,600
Peak Hill Central School—Additional Class- room Accommodation, Manual Training,		Pymble—Accommodation Camden Suburb Public School—Additional	3,000
Ground Improvements	7,500	Accommodation, Toilets and Ablutions	3,600
Belmont North Public School—Additional Ac-		Kelso Demonstration School—Additional	2 500
commodation, Toilet Ablution and	7 400	Accommodation, Ground Improvements Mayrung Public School—Additional Accom-	3,500
Ground Improvements  Birrong—Accommodation	7,400	modation, Ground Improvements	3,500
Moree High School—New Showers and	7,000	Doonside Public School—New Food Prepara-	-,
Change Rooms	7,000	tion Unit	3,500
Granville Boys' High School—Extension of	7,000	Padstow Heights—Food Preparation Unit Tullamore Public School—Additional Accom-	3,500
GymnasiumSalty Creek Public School—Additional Accom-	7,000	modation, Ground Improvements	3,500
modation and Ground Improvements	6,900	Tottenham Public School—Additional Accom-	
Regentsville Public School—Septice Tank and	< 000	modation, Ground Improvements	3,500
Mount Ku-ring-gai Accommodation	6,800	Binya Bay Public School—Additional Accommodation, Toilets, Ablutions and Ground	
Clinton Park—Food Service Unit	6,300	Improvements	3,400
Oakville—Accommodation	6,300	Blacktown West—Accommodation	3,200
Green Valley—Accommodation	6,200	Baldry Public School—Additional Accom-	2 200
Sylvania—Septic Tank and Sewerage Liverpool Boys' High School—Structural	6,100	modation  Dunedoo Central School—Additional Accom-	3,200
Alterations	6,000	modation, Ground Improvements	3,000
Morgan Street, Broken Hill Primary School—		Eastwood—Additional Accommodation	3,000
Ground Improvements Werrington Park Public School—Proposed	6,000	Terrandra Public School-Additional Accom-	
Classroom Block	6,000	modation, Toilets, Ablutions, Ground Im-	
Berowra—Accommodation	6,000	provements	2,800
Borrells Bay Public School—Additional Ac-		Sydney Teachers' College—Clerical Accommodation	2,700
commodation, Toilets, Ablutions and	6,000	Wyrallah Road Public School—Additional	2,700
Ground Improvements  Kellyville—Toilet and Septic Tank	5,800	Accommodation	2,600
Doonside Public School—Septic Tank and		Orange East Public School-Additional	
Sewerage	5,700	Accommodation	2,000
Green Valley Public School—Septic Tank and Sewerage	5,700	Total	18,410,200
Cudal Central School-Additional Accom-	-,		***************************************
Cudal Central School—Additional Accommodation—Demolition and Conversion,			
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements	5,700		,149,200
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation	5,700 5,700		
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements	5,700 5,700 5,600 5,600		
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation	5,700 5,700 5,600 5,600 5,600	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises—	£
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation	5,700 5,700 5,600 5,600	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises—	£
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommoda-	5,700 5,700 5,600 5,600 5,600	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan	£ 1,500,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation	5,700 5,700 5,600 5,600 5,600	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises—	£ 1,500,000 500,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements Kurnell—Accommodation	5,700 5,700 5,600 5,600 5,600 5,400	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional	£ 1,500,000 500,000 180,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements Kurnell—Accommodation Camperdown Public School—Proposed Staff-	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners	£ 1,500,000 500,000 180,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations	5,700 5,700 5,600 5,600 5,600 5,400	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building	£ 1,500,000 500,000 180,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New	£ 1,500,000 500,000 180,000 143,650 76,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building	£ 1,500,000 500,000 180,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station—	£ 1,500,000 500,000 180,000 143,650 76,000 70,500
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building	£ 1,500,000 500,000 180,000 143,650 76,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation Accommod	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets  Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Addi-	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750 40,000 40,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750 40,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements Kurnell—Accommodation Camperdown Public School—Proposed Staffrom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accom-	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renova-	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750 40,000 40,000 35,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accom-	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600 4,600 4,500	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation, Toilets and Ablutions	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station— Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Station	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750 40,000 40,000 35,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accom-	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,600 4,500	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House	£ 1,500,000 500,000 180,000 143,650 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation Modation	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600 4,600 4,500	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station and Motor Registry Cooma Court House—Additions	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage  Bribbare Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation  Mangoola Public School—Additional Accommodation  Mangoola Public School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,600 4,500	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station and Motor Registry Cooma Court House—Additions Hillston—New Court House	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation  Mangoola Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600 4,600 4,500 4,500 4,300	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Station Toronto Police Station—New Police Station Additions Hillston—New Court House Warren Court House—New Court House	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation Mangoola Public School—Additional Accommodation, Ground Improvements Trundle Central School—Additional Accommodation, Ground Improvements Trundle Central School—Additional Accommodation, Ground Improvements Trundle Central School—Additional Accommodation, Science Accommodation	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,600 4,500 4,500 4,300 4,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station and Motor Registry Cooma Court House—Additions Hillston—New Court House Warren Court House—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation  Mangoola Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,600 4,500 4,500 4,300 4,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station and Motor Registry Cooma Court House—Additions Hillston—New Court House Warren Court House—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage  Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Science Accommodation Alterations and Additions  Taree West Public School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600 4,500 4,500 4,200 4,200 4,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Toronto Police Station—New Police Station Hillston—New Court House Warren Court House—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block Maitland Police Premises—Accommodation	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Science Accommodation Alterations and Additions  Taree West Public School—Additional Accommodation, Ground Improvements  Taree West Public School—Additional Accommodation, Ground Improvements  Yowie Bay—Accommodation	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,600 4,500 4,500 4,300 4,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station and Motor Registry Cooma Court House—Additions Hillston—New Court House Warren Court House—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block Maitland Police Premises—Accommodation for Inspector of Sub-District	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation Toilets and Ablutions Inverell Public School—Additional Accommodation Mangoola Public School—Additional Accommodation  Mangoola Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 5,000 4,600 4,500 4,500 4,200 4,200 4,200	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Toronto Police Station—New Police Station Hillston—New Court House Warren Court House—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block Maitland Police Premises—Accommodation	£ 1,500,000 500,000 180,000 180,000 76,000 70,500 70,000 62,750 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, Toilets and Ablutions Inverell Public School—Additional Accommodation, School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Science Accommodation Alterations and Additions  Taree West Public School—Additional Accommodation, Ground Improvements  Taree West Public School—Additional Accommodation, Ground Improvements  Yowie Bay—Accommodation	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,500 4,500 4,300 4,200 4,200 4,100 4,100 4,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Toronto Police Station—New Police Station Addition—New Court House Warren Court House—Additions Hillston—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block Maitland Police Premises—Accommodation for Inspector of Sub-District Mona Vale Police Station—New Cells and Conversion of Residence Dareton Police Office	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900 9,000 8,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage  Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions  Inverell Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,500 4,500 4,200 4,200 4,200 4,100 4,100 4,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Additions to Cell Block Maitland Police Premises—Accommodation for Inspector of Sub-District Mona Vale Police Station—New Cells and Conversion of Residence Dareton Police Station—New Police Office	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900 9,000 8,000 7,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements Ringrose Public School—Septic Tank and Sewerage Bribbaree Public School—Additional Accommodation and Ground Improvements Cassilis Public School—Additional Accommodation Mangoola Public School—Additional Accommodation Mangoola Public School—Additional Accommodation Mangoola Public School—Additional Accommodation, Ground Improvements Trundle Central School—Additional Accommodation, Science Accommodation Alterations and Additions Taree West Public School—Additional Accommodation, Ground Improvements Yowie Bay—Accommodation Manly West Public School—Main Building Extension Wentworthville North Public School—Additional Accommodational Accommodation Hills—Accommodation	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,500 4,500 4,300 4,200 4,200 4,100 4,100 4,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Toronto Police Station—New Police Station Addition—New Court House Warren Court House—Additions Hillston—New Court House Warren Court House—New Court House Walgett Police Premises—Alterations and Additions to Cell Block Maitland Police Premises—Accommodation for Inspector of Sub-District Mona Vale Police Station—New Cells and Conversion of Residence Dareton Police Office	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900 9,000 8,000
Cudal Central School—Additional Accommodation—Demolition and Conversion, Ground Improvements  Appin—Accommodation Gosford High School—Toilets Blacktown West—Accommodation St. Ives North—Accommodation Plumpton—Accommodation Gulargambone Central School—Accommodation (Additional) and Ground Improvements  Kurnell—Accommodation Camperdown Public School—Proposed Staffroom, Conversion and Alterations  Toukley Public School—Toilet and Ablution Block Cromehurst Special School—Toilets Mosman—Office Murrinbridge Aboriginal School—Additional Accommodation, Toilets, Showers and Ground Improvements  Braidwood Central School—Additional Accommodation—Conversion of Buildings, and Ground Improvements  Ringrose Public School—Septic Tank and Sewerage  Bribbaree Public School—Additional Accommodation and Ground Improvements  Cassilis Public School—Additional Accommodation, Toilets and Ablutions  Inverell Public School—Additional Accommodation, Ground Improvements  Trundle Central School—Additional Accommodation, Ground Improvements	5,700 5,700 5,600 5,600 5,600 5,400 5,200 5,200 5,000 5,000 5,000 4,600 4,500 4,500 4,200 4,200 4,200 4,100 4,100 4,000	Department of Attorney-General and of Justice— Court Houses, Gaols and Police Premises— Cessnock Gaol—Development Plan Cessnock Gaol—New Buildings Newcastle Court Houses—Additions Long Bay State Penitentiary—Additional Accommodation for Unconvicted Prisoners Eastwood Police Station—New Building Dubbo Police Station and Cell Block—New Building Blacktown Court House and Police Station— New Buildings Port Kembla Court House—Additions Merrylands Police Station—New Station Revesby Police Station—New Station Bourke Police Station—New Cells and Additions to Police Station Coonabarabran—New Police Station and Clerk of Petty Sessions Office and Renovations to Court House Kingswood Police Station—New Police Station Toronto Police Station—New Police Station Additions to Cell Block Maitland Police Premises—Accommodation for Inspector of Sub-District Mona Vale Police Station—New Cells and Conversion of Residence Dareton Police Station—New Police Office	£ 1,500,000 500,000 180,000 180,000 70,500 70,500 70,000 62,750 40,000 40,000 35,000 30,000 30,000 24,600 21,700 20,000 20,000 11,900 9,000 8,000 7,000

Miscellaneous—			Schools, Technical Colleges and Universities—	£
for Tes	Motor Garage—Accommodation sting Branch and Electrical Ser-	£	Gymea Technical College—Stage 2 Hornsby Technical College—Development	500,000
vices W Cootamundr	orkshopa—State Office Building	200,000 157,000	Plan Mona Vale High School—Stage 1 and 2	500,000 350,000
Child Welfar modatio	e Department—Additional Accom- on, Head Office, William Street	96,800	University of N.S.W.—College Buildings Seaforth Technical College—New College	280,000 255,800
Wollongbar-	Tick Research Station—New	41,000	Emu Plains High School—Stage 1 and 2 New	250,000
Ultimo Tr	ramway Depot—Conversion to	40,000	Skansea High School—Stage 1	245,000 238,000
Chatswood	Child Guidance Centre—New	26,000	Wollongong Teachers' College—Stage 1A Moss Vale High School—Stage 1 and 2	228,000
Condobolin	Soil Conservation Office—New	20,000	Hurlstone Agricultural College—Stage 3 University of New England, Robb College—	220,000
Sydney Har	bour Transport Board—Develop-	20,000	Stage 2 and 3	215,700
Ferry V	of Shopping Centre at Mosman Wharf	20,000	Chemistry	185,000 180,000
Layout	ning Farm for Boys—Amended of Wardens Flat and Single Men's		Greystane High School—Stage 1 Fairfield West High School—Stage 1	171,000 166,600
Quarter St. Helier's,	Muswellbrook—Additional School	14,000	Whitebridge High School—Stage 1 and 2 Gymea High School—Stage 1	160,000 150,000
Building		12,000	West Wyalong High School—New Accommodation	145,000
to Hou	se Newcastle Modelian Museum—Transfer of Photo-	7,300	Cumberland High School—Stages 2 and 3	140,000
graphic	Work Room to South Wing House, Child Welfare Home—	6,300	Gilgandra Intermediate High School—New School	136,000
	ons and Additions	2,000	Bathurst Teachers' College—New Women's Dormitory Block	136,000
	Total	£642,400	Rooty Hill High School—Stage 3	120,000
			Stage 2	119,300
			modation	112,000
	Working Drawings		tions The Forest High School—Stage 3	111,600 104,300
Hospitals—	WORKING DRAWINGS	£	Walgett Secondary School—New Accom- modation	102,400
	Hall Psychiatric Centre-New		Mosman Co-Educational High School—New Block	90,900
Building Prince He	enry Hospital-Diagnostic and	363,000	University of New England—Psychology	90,000
Prince Henr	gy Building y Hospital—Occupational Therapy	285,000	Education Building University of New England—School of	
Auburn Di	g strict Hospital—Pathology Block	116,000 80,000	Agriculture Economics Building Berkley South Public School—New Building,	87,000
Gladesville	Mental Hospital—New Work-	61,300	Stage 1 Oak Flats East Public School—Stage 1	83,000 82,000
Rozelle Ad	Imission Centre—Six Residences dical Officers	54,000	Westlawn Public School—New B./V. School Building	75,000
Randwick	Chest Hospital—New Surgical	40,000	Bulli High School—Alterations and Additions and New Assembly Hall	72,700
Braidwood	District Hospital—New Nurses'	33,600	Picnic Point High School—Stage 3 Oak Flats High School—Stage 2	70,000 69,200
Bombala I Home	District Hospital—New Nurses'	31,200	University of New England—Mary White College, Additions	68,000
Allandale H	ospital, Cessnock—Bulk Store	30,000	Riverstone High School—Stage 2	66,200 66,100
House	District Hospital—New Boiler	20,400	North Ryde High School—Stage 3 Albury North High School—Stage 3	66,000 64,600
nity Ac	strict Hospital—Additional Mater- ecommodation	18,350	Chester Hill High School—Stage 2	62,100
Nurses'	War Memorial Hospital—New Home	18,000	Port Macquarie High School—Assembly Hall Wentworth Central School—New Accommo-	60,000
North Ryo House,	Latham Laboratory	13,900	dation	59,000
Eastern Sul	purbs Hospital—Additional Male male Ward Accommodation	13,800	Department Ballina High School—New Additions and	55,600
Bombala Di	strict Hospital—Septic Tank	9,200	Alterations Wyong Public School—New School	50,600 50,200
Home, Pro	Mental Hospital—New Nurses' ovision of Four-Car Garage		Birrong Girls' High School—2 Extra Labora- tories and Additional Accommodation	50,000
Crown Stre	et Women's Hospital—New Bed	8,300	Ingleburn North Public School—New School Dapto High School—Assembly Hall and	48,400
Passeng	er Lift	8,000 8,000	Toilet Block	44,500
Garrawarra	Hospital-Kitchen Canopies	5,200	Assembly Hall  Harrington Street Public School—New School	44,000
and Pla	strict Hospital—Air Conditioning	5,000	Narwee Boys' High School—Assembly Hall .	43,600 43,400
Callan Park	Mental Hospital—New Service	3,000	Penshurst Girls' High School—Science, etc Batlow Central School—New School Building	39,700 39,000
Kenmore	Mental Hospital-New Nurses'	5,000	Newcastle Teachers' College—New Assembly Hall	38,500
Toilets	Provision of Male and Female	2,500	Kogarah Public School—New Primary Department	37,800
Callan Park New s	Administrative Centre, Rozelle—ub-station	2,500	Hunters Hill High School—Accommodation .	36,800
Randwick C	Chest Hospital—Provision of Wait- om and Toilets for Public		Walters Road Public School—New School Marayong South Public School—New School	35,200 30,000
Grafton Dis	strict Hospital—Cool Rooms	2,400 2,000	Queanbeyan High School-New Building-	
	Total	£1,234,650	Stage 2 Warrimoo South Public School—Alterations	26,000
			and Additions	25,000

hools, Universities and Technical Colleges— continued—	£	Schools, Universities and Technical Colleges—	£
Blaxland East Public School—New School	23,100	Springwood Public School-Septic Tank and	
Albury North Public School—Additional Accommodation  Yanco Agricultural High School—Additions,	23,000	Sewerage Mendooran Public School—Additional Class-	5,400
Stage 2	23,000	room Accommodation, Ground Improve-	5,350
University of New England—Squash Courts Asquith Public School—Special School for	22,000	Tower Street Public School—Septic Tank and Sewerage	5,300
Partially Sighted Lidcombe Public School—Special School for	20,500	Minto Public School—Additional Classroom Accommodation, Storage Shed and	
Partially Sighted Epping Heights Public School—Accommoda-	20,400	Ground Improvements  Macquarie Fields Public School—Classroom	5,200
Bennett Road Public School—Accommodation	20,400 20,300	Accommodation Storage Narrabeen Lakes Public School—Septic Tank	5,100
Toukley Public School—Alterations and Additions	20,000	and Sewerage St. Johns Park Public School—Septic Tank	5,100
Heathcote East Public School—Additional Accommodation	18,600	and Sewerage  Bossley Park Public School—Septic Tank and	5,000
Gosford East Public School—Additional Accommodation	18,400	Sewerage Finley High School—Food Service Unit	4,800 4,800
Padstow Park Public School—Septic Tank and Sewerage	18,000	Minto Public School-Septic Tank and Sew-	
Berry Public School—Toilet Block Tempe Public School—Special School for Par-	17,600	Wyalong Public School—Additional Class-	4,600
tially Sighted	17,600	Oldfields Road Public School—Septic Tank	4,600
Accommodation	17,400	and Sewerage  Coonamble High School—New M.T. Accom-	4,300
sion of Biology Preparation and Work- room	17,000	modation	4,000
Lynwood Park Public School—Additional Accommodation	16,400	Coonamble—Standard Food Preparation Unit Cobbity Public School—Septic Tank and Sew-	4,000
Northmead Public School—Special School for Partially Sighted	16,200	erage  Lawson Public School—Additional Classroom	3,500
Kingsgrove North Public School—Special School for Partially Sighted	16,200	Accommodation—Alteration to weather shed and Ground Improvements	3,500
Helensburgh Public School—Additional Accommodation	16,000	Erina Heights Public School—Classroom Accommodation Alterations and Ground	5,500
Manly Far West Hospital—School—Additional Accommodation	13,700	Improvements	3,300
Fairvale Public School—Additional Accommodation	13,400	Appin Public School—Septic Tank and Sewerage	3,200
Chullora Public School—New Administration Unit	12,000	Oakville Public School—Additional Classroom Accommodation, Ablutions and Ground	
French's Forest Public School—Accommoda- tion	11,800	Improvements Binnaway Central School—Timber Classroom	3,100
Miranda Public School—Septic Tank and		and Ablutions	3,000
Sewerage Truscott Street Public School—Accommoda-	11,500	Sydney Teachers' College—Clerical Accommodation	2,800
North Sydney Boys' High School—Replanning	10,600	Thirlmere Public School—Septic Tank and Sewerage	2,800
of Science Building  New England University—Sports Pavilion  New England University—Masters House,	10,000 10,000	Terrigal Public School—Additional Accom- modation	2,700
Wright College	10,000	Hazelbrook Public School-Septic Tank and	
Austral Public School—Septic Tank and Sewerage	9,500	Horsley Park Public School-Septic Tank and	2,600
Thornleigh Public School—Septic Tank and Sewerage	9,100	Sewerage Wetherill Park Public School—Septic Tank	2,300
Barraba Central School—Science and Food Preparation Rooms	8,000	and Sewerage  Menangle Park Public School—Septic Tank	2,000
Hunters Hill Public School-Accommodation	7,800	and Sewerage	2,000
Berry Public School—New Kindergarten— Alterations and Additions	7,700	Total	£8,211,350
Vardys Road Public School—Accommodation Weilmoringle Public School—New School	7,700 7,700		
Manly Vale Public School—Septic Tank Sew-	7,000	Department of Attorney-General and of Justice-	
Ingleburn Public School—Septic Tank		Deniliquin Police Premises—New Police	£
Sewerage Appin Public School—Additional Classroom	6,400	Station Gunnedah Police Premises—New Buildings .	50,000 38,400
Accommodation Septic Tank, etc Umina Public School—Additional Classroom	6,200	Warren Court House-New Court House .	19,900
Accommodation, Septic Tank, etc  Brewarrina Central School—Shower Facilities	6,200	Redfern Police Station—Additions Walgett Police Premises—New Cell Block	16,500 12,000
Oaklands Public School-Additional Accom-		Ivanhoe Police Premises—New Court House and Office	11,000
modation	6,000	Buronga Police Premises-New Residence and	
Thornleigh West Public School—Septic Tank	6,000	Garage Taree Lock-up Keeper's Quarters—New Resi-	9,300
and Sewerage  Coonamble High School—New Woodwork	5,900	dence Picton Police Station—New Residence and	8,000
and Metalwork Room	5,900	Garage	7,600
Richmond High School—Septic Tank and Sewerage	5,800	and Cells	7,000
Terrey Hills Public School—Accommodation Umina Public School—Accommodation	5,700 5,500	Total	£179,700
The second of th	2,300		

Miscellaneous—		Hospitals—continued—	
Register-General's Department—Additions	£ 750,000	Lidcombe State Hospital-Extensions to	£
Thornleigh Training School for Girls—New Buildings	380,000	Pathological Laboratories Urbenville District Hospital—New Hospital Callan Park Mental Hospital—New Recrea-	94,300 92,000
Wagga Agricultural Research Institute—Extensions	65,000	tion Building, etc	66,400
St. Heliers, Muswellbrook—Erection of Two Dormitory Blocks	59,800	Ryde North Mental Hospital—Administration Block	55,100
Sydney District Nursing Association, Glebe-	40,000	Berrima District Hospital, Bowral—Laundry, Boiler House, etc.	77,300
New Garage Cowra Soil Conservation Service—New Office		Ryde North Mental Hospital—Main Kitchen Block	73,200
Building Bellbrook Aborigines Settlement—Twelve	33,400	Parramatta Mental Hospital—New Nurses'	
New CottagesForster Aborigines Settlement—Twelve new	25,800	Quarters Ivanhoe District Hospital—New Buildings	68,000 55,000
Cottages	25,000	Gladesville Mental Hospital—Staff Kitchen and Dining Room	53,800
Wellington Aborigines Settlement—Twelve New Cottages	25,000	Royal Prince Alfred Hospital—3rd floor, Albert Pavilion	
State Dockyard—Administrative Building Coraki Aborigines Settlement—Nine New Cot-	18,700	Goulburn Base Hospital—New Boiler House,	45,100
Bexley Child Health Centre—Conversion of	18,500	Workshop and Amenities Building Broughton Hall Psychiatric Clinic—Canteen	50,500
School Building Bidura Depot, Glebe—Alterations and Addi-	18,300	and Staff Amenities Building Ryde North Psychiatric Centre—Artisans'	37,200
tions	16,000	Workshop	33,800
Yanco Experimental Farm—Reconditioning Kitchen and Scullery	16,000	Alterations and Additions Morisset Mental Hospital—New Boiler House	31,100 29,700
St. Heliers, Muswellbrook—Additional School Building	12,000	Royal North Shore Hospital—Radiotherapy Unit	
Port Kembla Aborigines Settlement—Six New Cottages	12,000	Armidale and New England District Hospital	28,900
Jenolan Caves House—New Recreation Hall Griffiths Aborigines Settlement—Six New	10,000	—Administration and Outpatients Hospital	28,200
Cottages	9,600	St. Vincents Convalescent Hospital—Babworth House	24,400
Hydraulics Laboratory, Manly Vale—Building to house Newcastle Model	7,300	Gunnedah District Hospital—New Nurses'	
Gulargambone Aborigines Settlement—Three Ablution Units	6,000	Home Grafton Benevolent Home—New Female	23,700
Hydraulics Laboratory, Manly Vale—New Guides Hut	5,000	Block Rydalmere Mental Hospital—New Morgue	21,800 13,100
Cootamundra Aborigines Settlement—Sanitary Arrangement	5,400	Gladesville Mental Hospital—Medical Officers' Residence	. 16,200
Museum of Applied Arts and Sciences-New	5,000	Lidcombe State Hospital—Medical Officers' Residence	16,000
Burnt Bridge Aborigines Settlement—Two		Officers' Residences	15,500
Ablution Units Alexandria Canal (Shea's Creek)—Toilet	4,000	Peat and Milson Island Mental Hospital— New Mortuary	13,000
Facilities Royal Botanic Gardens—Rebuilding Hot	3,000	Hay District Hospital—Boiler House and Laundry	
House, No. 4 Abercrombie Caves House—Public Lavatories	2,400 2,000	Kenmore Psychiatric Hospital—Alterations	10,900
Condobolin Aborigines Settlement—One Ablution Unit	2,000	and Additions to Staff Kitchen St. Vincent Hospital, Lismore—Bed Passenger Lift	10,100
Total		Kenmore Mental Hospital-Medical Officers'	10,400
Total	21,577,200	Residences and Garage Cootamundra District Hosiptal—Alterations	9,000
		and Additions Rydalmere Mental Hospital—Medical Officers'	8,800
		Residences	8,700
		Facilities	8,300
Construction		Narrandera District Hospital—Boiler Room Peat and Milson Islands Mental Hospital—	7,800
WORK COMMENCED PRIOR TO 1ST JULY, 1961, AND OURING THE YEAR 1961-1962	COMPLETED	Medical Officers' Residences and Garage Henty District Hospital—Alterations and addi-	7,700
Hospitals—	£	tions and installation of sewerage systems Walgett District Hospital—Sewerage	7,100 7,400
Royal Prince Alfred Hospital-Professorial		Lismore, St. Vincents Hospital—New Brick Morgue	5,900
Rozelle Admission Centre—New Buildings Callan Park Mental Hospital—Two Ward	601,200	Glen Innes District Hosiptal—New Mortuary Murrumburrah—Harden District Hospital—	5,100
Blocks Berrima District Hospital—New Maternity	306,900	New Casualty Room Lidcombe State Hospital—Three Bus Shelters	4,100 3,300
Block and Alterations and Additions Maitland District Hospital—Nurses Home	235,400 163,700	Total	£3,956,700
Manly District Hospital-New Boiler House			
and Laundry Block Wallsend District Hospital—Boiler House,	161,600		
Workshop, Laundry, etc.  Moree District Hospital—Boiler House, Kit-	147,000		
chen, etc. Prince Henry Hospital—Laundry Block	134,000 114,500	Schools, Universities and Technical Colleges:—	£
Stockton Mental Hospital—Female Wards Nos. 14 and 15	134,100	University of New South Wales-Building "A"	1,429,500
Wagga Base Hospital—New Nurses' Home Morisset Mental Hospital—New Main Kitchen	118,100	Port Kembla High School—Stage 1 and 2 Sydney Technical College—New Permanent	413,100
Block	115,900	Building—2nd section	404,100
Bloomfield Mental Hospital—New Main Kitchen Block	110,800	Wollongong Technical College—Automotive Electrical Engineering Building	383,800
Parramatta Mental Hospital—New Women's Ward	103,500	Matraville Co-educational High School— Stage 1 and 2	
			382,500

chools, Universities and Technical Colleges—	£	Schools, Universities and Technical Colleges— continued—	£
University of New South Wales-Union	216 400	St. Marys (Bennett Road) Public School-	22 200
Building Lithgow High School—Stage 2	316,400 254,400	Infants' Block and Toilets  Quirindi High School—Additions  Tumbarumba Central School—Toilet Exten-	33,300 31,700
Penrith Technical High School—New Buildings	231,600	sions	31,500
Canterbury-Bankstown Technical College— Trades and General Purpose Block	228,400	Condobolin Intermediate High School— Additions	31,400
University of New England—Zoology and Botany Building	204,900	Dorrigo Central School—Alterations and Additions	29,800
Botany Building North Sydney Technical College—New Quad-	204,500	North Sydney Boys' High School—New Gymnasium	29,000
rant Building	DOCATION PROMISED.	Glenbrook Public School—New Buildings	28,100 27,700
dationGriffith High School—Alterations and addi-	197,900	Matraville School—Site Works Broken Hill North Public School—Toilets and	
tions	165,200 156,600	Ablutions Sydney Technical College—Forsters Building,	24,700
Armidale Demonstration School-New In-	153,300	Alterations and Additions Tarro Public School—Accommodation for	23,100
fants' Building Port Macquarie High School—New Buildings	146,300	New School	22,100
University of New England—Geology and Geography Building	135,600	Grenfell Intermediate High School—Additions Inverell High School—Alterations and Addi-	21,100
Yass High School—New Building North Sydney Technical College—New Class-	133,600	tions Blayney Intermediate High School—Labora-	18,200
room Block	130,400 127,500	tory and Library	18,400
Monaro High School—Administrative Building University of New England—Wright College		Recreation Hall	18,000
—Dining Hall and Kitchen University of New England—Robb College—	123,800	Heaton Public School—Additional Accommodation	17,700
Dormitory Block No. 2	103,000	Meadowbank Boys' High School—Music Room and Two Classrooms	16,600
Macarthur Girls' High School—Science Block	96,700	Oak Flats Public School—Additional Ac-	15,600
and Assembly Hall		Cessnock Public School-Alterations and	15,400
for Third College Richmond River High School—Classroom	91,000	Repairs Lavington Public School—Classrooms, Toilets	
building	89,400	and Septic Tank Shellharbour Public School—Additional Ac-	14,600
Block	84,000 82,800	commodation	13,100
North Sydney Girls' High School—Additions North Sydney Technical High School—New		room Block	12,600 12,200
Library and Manual Training Block Wagga Teachers' College—Additional Male	81,600	Turramurra Public School—Classroom Block Dubbo South Public School—Additional	
Dormitory (No. 2)	78,700 76,200	Accommodation	12,200
Arthur Phillip High School—Science Block James Ruse Agricultural High School—	75,700	modation  Kurri Kurri High School—New Needlework	12,000
Biology Block and Extensions	72,000 71,000	and Art Rooms	11,300
Gloucester Hill School—New School Dapto High School—Stage 3	68,700	commodation	11,200
North Ryde Public School—Infants', Primary Block and Toilets	63,100	Macksville High School—Additional Accommodation	11,200
Meadowbank Boys' Secondary School— Assembly Hall and Administrative Block	61,800	Villawood East Public School—Primary Classrooms	11,100
Avalon Public School—Classroom Block and Toilet	60,600	Wingham District Rural School—Additional Accommodation and Library	11,000
Lakelands Public School-Four Room	59,600	Gymea Bay Public School—Additional Ac- commodation	10,600
Timber Unit Katoomba High School—Assembly Hall	56,300	Chester Hill Infants' School—Ablution Block	10,500
Lismore High School—Science Block Forster High School—New Buildings	55,500 55,400	and Drainage Kanwal Public School—Additional Accom-	9,800
Willoughby Girls' High School—Alterations and Additions	54,400	modation Wingham District Rural School—Connection	
Vardys Road, Seven Hills Public School— Infants' Classroom Block	49,400	Como West Public School—Toilet Block and	9,700
Camden High School—Additional Accommodation	47,000	Septic Tank  Northmead Public School—Ejector Station	9,100
Wagga Teachers' College—New Lecture Rooms	46,200	and Toilets	9,100
Hawkesbury Agricultural College—Additional	an-overagement	commodation	8,900
Kitchen Block Alexander Mackie Teachers' College—Gym-	42,800	-New Toilets and Ablutions Block	8,800
nasium and Ancillaries  Enmore Boys' High School—Assembly Hall Fairfield High School—Assembly Hall	42,600 41,200	Narrabri West Public School—New Classroom Building	8,400
Oyster Bay Public School—Additional Ac-	40,700	Coonabarabran Intermediate High School— Alterations and New Woodwork Room	8,200
commodation Campbelltown Public School—Infants' Block	40,200 39,000	The Junction Demonstration School-Addi-	
University of New England—Extensions to Union Building	38,000	tional Accommodation	8,100
Parkes East Public School-Brick Veneer		commodation  Booragul High School—Laboratory Additions	7,900
Building	38,000	Tooleybuc Central School and Residence—	
Classrooms "A" and "B" and Toilets Hunter Girls' High School—Assembly Hall	37,500 36,600	Additions, Renovations and Repairs Asquith Boys' High School—Septic Tank	7,400
Forbes Central Infants' School—Additional	30,000	Merriwa Public School—Painting and Repairs	6,600
Accommodation  Murwillumbah Technical College—New Build-	36,600	Lennox Head Public School—New School	6,500
ing	35,500	Yatta Public School—Additional Accommodation	5,800
Camden South Public School—Stage I  Kiama High School—Assembly Hall	35,500 34,800	Merriwagga Public School—Additional Accommodation	5,600
The state of the s	51,000		,

Schools, Universities and Technical Colleges—		Miscellaneous—continued—	0
willow Tree Public School—Additional Ac-	£	Narrandera Government Offices-Repairs and	£
commodation	4,900	AdditionsPublic Works Department Carrington Depot—	8,000
Purification Plant	4,800	New Offices Mittagong Training School for Boys—Deputy	7,400
Kars Springs Public School—Additional Accommodation	4,800	Superintendent's Residence	6,800
Hillston Central School—Toilets and Septic	4,700	Old Government Printing Office—Purchase, Demolition and Removal  Moree Lock-up and Keeper's Residence—	6,800
Gilgai Public School—Additional Accommodation	4,400	Conversion to Offices for Department of	5 800
Nowra Technical College—New Classroom and Store	4,300	Agriculture	5,800
Molong Central School—Additional Accom- modation	4,100	Framed Residences	4,500
Telegraph Point Public School-Additional	3,900	Total	£795,200
Accommodation Branxton Public School—Office, Store and			
Toilets Sydney Teachers' College, Castlereagh Camp	4,500	Wass Countries Breez as to True 1001	C
—New Toilet Block	4,200	Work Commenced Prior to 1st July, 1961, and Progress	STILL IN
modation Armidale Teachers' College—Machinery Shed	3,500 3,400	Hospitals—	£
Jannali Public School—Septic Tank	3,200	Auburn District Hospital—New Hospital	1,509,000
Pennant Hills Public School—Primary Department—Septic Tank	3,000	Cessnock Psychiatric Centre—New Buildings Wagga Base Hospital—New Hospital Block	1,285,700
Denman Public School—Additional Accom- modation	2,900	and Nurses Training School Lidcombe State Hospital and Home—Recrea-	617,000
Trundle Central School—Additional Accommodation	2,500	tion Hall and Chapel	153,300
	£9,047,300	ditions	146,800
Total	25,047,300	Rydalmere Mental Hospital—New Male Ward Block	131,600
		Gundagai District Hospital—Alterations and Additions	122,200
		Total	£3,966,300
Department of the Attorney-General and of Justice-	£		
Casino Police Station—New Station and Resi-	38,000		
Lake Cargelligo Court House and Police Station—New Building	34,400	Schools, Universities and Technical Colleges-	
Coonamble Police Station—New Station and	22,200	University of Sydney—Fisher Library	£ 979,500
Residence Canowindra—New Police Premises	19,700	Sydney Technical College—School of Graphic Arts	569,700
Tumut Court House—Additions and Alterations	4,000	Cardiff Co-Educational High School—New Building	305,700
Drummoyne Police Station—Alterations Bathurst Gaol—Cool Room	3,900 2,800	Conservatorium of Music-Alterations and	
Total	£125,000	Additions Gundagai Secondary School—New Buildings	153,700 140,300
Total	2125,000	Windang Public School—Additional Accommodation	34,600
		Total	2,183,500
Miscellaneous—			
Public Library of New South Wales—Addi-	£		
tions, Stage 1	260,900	Department of the Attorney-General and of Justice-	£
Department of Agriculture (Day Street)— Fumigation Building	122,800	Holbrook Police Station—Repairs and Altera-	4,300
Tamworth—Building for Department of Agri- culture	59,000		
Brisbane Street, Sydney Child Guidance Centre, New Buildings	44,300	Miscellaneous—	
Tourist Activities Department—Renovation of Premises, Challis House	42,700	Australian Museum-New William Street	
Island Fisheries Research Station, Narrandera		Wing, Stage 2. "Werrington Park", Werrington, for Child	344,600
—New Building Georges Hall, After Care Association, Banks-	33,000	Welfare Department—New Building Wickham Wharf—New Amenities Building	181,700 32,000
town—Men's Hostel Armidale Aborigines' Reserve—Fourteen Cot-	32,600	Total	£558,300
tages Newcastle Morgue—New Building on New	30,400		
Site Deniliquin Aborigines Welfare Board—Twelve	28,000		
Cottages  Maclean Aborigines' Reserve—Four New	22,500	Work Commenced and Completed During the 1961-62	YEAR
Cottages	16,400	Hospitals—	
Jenolan Caves House—Additional Bathroom and Toilet Facilities	13,200	Rozelle New Admission Centre—Six Medical	£
King Edward Home for Girls, Newcastle— Alterations, Extensions and Repairs	11,000	Officers Residences Lismore Base Hospital—Conversion of Nurses'	41,200
Young Government Office Building—Alterations, and Repairs	11,000	home to Ward Block Ryde North Psychiatric Centre—Erection of	34,300
Yass District Office—Soil Conservation Service New Buildings	10,000	Three Medical Officers' Residences Peak Hill District Hospital—Alterations and	21,600
Mungindi Aborigines Reserve—Three Cottages Forster Aborigines' Reserve—Erection of Two	9,500	Additions to Maternity Unit  Lidcombe State Hospital—Three Medical	22,700
Cottages	8,600	Officers' Residences	21,000

Hospitals—continued—	£	Schools, Universities and Technical Colleges—	£
Nepean District Hospital-Extensions to		Truscott Street (North Ryde) Public School	
Laundry Block St. George District Hospital—New Roof to	20,200	—New Classroom Block	11,100
Outpatients' Department	6,300	Shower Blocks and Alterations Lindsay Park Public School—New Classroom	11,000
ment, Casualty Section	4,400	Clinic	10,700
Randwick Auxiliary Hospital—Alterations and additions to Medical Superintendent's Residence	2,200	Cooma Public School—Additional Accommodation	10,200
		Speers Point Public School—Additional Accommodation	9,600
Total	£173,900	Warren Central School—Alterations and Additions	9,300
		Chatham Public School—Additional Accom-	
		modation Tweed Heads South Public School—Addi-	9,200
Schools, Universities and Technical Colleges—	£	tional Accommodation	8,600
Picnic Point Co-Educational High School— Stage 1	274,400	Blocks The Entrance Public School—T/F Classroom	8,200
Rooty Hill High School—Stage 1	244,100 220,900	Block, Additional Toilets, etc Ryde North Public School—Toilet Facilities	8,400 8,400
New School	216,400	and Soil Drainage Lavin ton East Public School—Additional	
Mayvilla (Carlingford) Co-Educational High School	184,500	Accommodation	8,300
Riverstone High School—Stage 1 French's Forest High School—Stage 2	165,200 71,000	tional Classrooms	8,100
East Maitland Boy's High School—Extensions	59,200	Yetman Public School—Two Timber Class- rooms, Office, Storeroom, etc	7,900
Wallsend West Secondary School—New Buildings	54,100	Cassilis Public School—Additional Accommodation	7,300
Bathurst High School—New Assembly Hall Blacktown High School—New Assembly Hall	50,000 43,200	Barham Central School—Laboratory Class-	
Kingsgrove North High School-New		Fennells Bay Public School—Additional	7,000
Assembly HallPenshurst Girls' High School—Science and	43,200	Accommodation	6,900
Art Wing Hunter's Hill High School—Additional Class-	43,000	Sewer Connection	6,800
room Blocks	43,900	Adamstown Public School—New Dental Clinic	6,800
Albury North High School—Stage 2 Kogarah Public School—New Primary Depart-	33,000	Ryde North (Truscott Street) Public School	6,700
ment	30,200	—Septic Tank Railway Town Public School—Timber Class-	0,700
Classroom and Toilet Block	27,000	room Building, Paving, Fencing, Incinerators, etc.	6,600
Removal and Re-erection of Two Armco	22 800	Wards Mistake Public School—Additional Accommodation	6,200
Huts Toukley Public School—Additional Accommo-	22,800	Berowra Public School—Septic Tank and Additional Toilets	6,200
Asquith Public School—Classroom Block for	22,800	Lake Munmorah Public School—Additional	
Partially Sighted ChildrenLidcombe Public School—3 B/V Classrooms	21,400	Accommodation  Macksville Public School—New Classrooms,	6,200
for Partially Blind	20,500	Clinic, Store and Ground Improvements Mulyan Infants' School—Kindergarten Build-	6,150
St. Mary's Public School (Bennett Road)— Infants' Classroom Block	21,100	ing, Office, etc.	6,150
Narrabri High School—Additional Accom- modation	21,500	Terry Hills Public School—Infants' Classroom and Clinic Block	5,900
Tempe Public School—Primary Classroom		Inverell Primary School—Additional Accom-	5,700
Block for Partially Sighted Children  Dubbo North Public School—New Nursery	18,300	Umina Public School—Two Classroom	
School	18,100	Building Coonamble High School—Composite Metal-	5,500
framed Classroom Block	17,600	work Woodwork Room  Darnick Public School—Additional Accom-	5,300
Gosford East Public School—Infants' Class- room Block, Stage 1	20,100	modation and Alterations	5,200
Heathcote East Public School-Additional		Bonshaw Public School—Additional Accommodation	5,200
Accommodation  Laguna Street Public School, Yowie Bay—	19,300	Glenreagh Public School—Additional Accom-	
Primary Classroom Block	19,000	modation  Bletchington (Orange North) Public School—	5,100
Armidale High School—Additional Woodwork Room and Home Science Kitchen	17,700	Two Room T/F Unit	5,100
Kingsgrove North High School—Classroom	16,000	Minto Public School—Two Roomed T/F Classroom, Brick Storage Shed and	
Block for Partially Sighted Children Northmead High School—Classroom Block	16,900	Paving	4,700
for Partially Sighted Children	16,700	Moree East Public School—Food Preparation Unit	3,800
Fairvale Public School—Extension to Primary Girls' Department	14,100	Merriwa Public School—Additional Kinder-	3,600
Ben Venue Public School—B/V Two Class- room building, etc.	13,500	Newcastle Boys' High School—Woodwork	
Lynwood Park Public School-Additional Ac-	E SEAL LINE	Room	3,900
ommodation Oak Flats Public School—Two Classrooms,	12,700	Oldfield Road (Seven Hills) Public School— Septic Tank Installation	3,400
Office, Clinic, Staffroom, etc	12,300	Lawson Public School—Additional Classroom	
Orange East Public School—Kindergarten Building	12,100	Paving, etc	3,300
Merimbula Public School—Additional Class-		modation, etc	3,300
room and Toilets	12,000	Terranora Public School—Single Classroom Building	3,200
modation, Home Science and Manual	11.600	Wickham School Maintenance Depot-Addi-	
Arts	11,600	tions to Store	3,200

Newcastle Technical College, Wood Street—Repairs and Alterations to Storm	Schools, Universities and Technical Colleges:-		Hospitals—continued—	
Repairs and Alterations to Storm   Personner High Public School—Indian's Depair   1,000   20   20   20   20   20   20   20	Newcastle Technical College Wood Street	£	Rombala District Hamital New Markey	
Pennant Hills Public School, Infants Depart	Repairs and Alterations to Storm	Y	and Septic Tank	9.200
Coal Point Public School—Additional Accommon Control	Pennant Hills Public School, Infants' Depart-		tions and Ground Improvements	7,300
Accommendation of Steeper Tank politics School—Steeper Tank 2,500  Orange High School—Septic Tank 2,500  Orange High School—Septic Tank 2,500  Orange High School—Additional Concrete Paths and Paving 2,300  Total 2,487,900  Department of the Attorney General and of Justice— Narromine Court House—New Building 2,500  Wentworth Police Premises—Additional and Additions to Lock-up and Residence 2,400  Total 2,1800  Accommedation 2,200  Total 2,400  Total 4,8828,300  Eastern School—Steeper Tank 2,500  Wentworth Police Premises—Additional Additional Cases and Additions to Lock-up and Residence 2,400  Total 2,1800  Miscellancous—  State Government Offices—Exeavation of Site 1,400  Is with Carlos Training establishment—Steeper Additional Cases and Alterations Resistory of the Steeper Commission 2,400  Wickhams Shool Maintenance Depot—Additions to Store Consabbration Additional Cases and Alterations Resistory of the Steeper Commission 2,400  Wickhams Shool Maintenance Depot—Additions to Store Consabbration Additional Cases and Alterations Resistory of the Steeper Commission 2,400  Consabbration Renovations and Painting 2,400  Total 4,400  Work Commence of Bus Depot to Depot for Prickly Pear Commission 2,400  Consabbratic Hospital—New Buildings 1,115,600  Mona Vale Hospital—New Buildings 2,500  Mona Vale Hospital—New Buildings 2,500  Mona Vale Hospital—New Buildings 2,500  Mona Vale Hospital—New Wares 2,600  Carlos Renovations and Painting 2,500  Gladeville Mental Hospital—New Wares 4,000  Hone Mainting Block 1,751,200  Market Hospital—New Wares 1,751,200  Market Hospital—Additional Mater 1,751,200  Market Hospital—Additional Cases 1,751,200  Market Hospital—Additional Mater 1,751,200  Market Hospital—Additional Mater 1,751,200  Market Hospital—Additional Cases 1,751,200  Market Hospital—Additional Cases 1,751,200  Market Hospital—Additional Cases 1,751,200  Market Hospital—Add	Coal Point Public School—Additional Accom-		Blocks	
Septic Tank			Kenmore Mental Hospital—Car Port and	
Total \$\frac{1}{2}\langle Agricultural High School—New Building \$\frac{1}{	Septic Tank	2.700		
Total 2,487,900  Department of the Attorney General and of Justice— Narromine Court House—New Building 20,500 Wentworth Police Premises—Additional and Additions to Lock-up and Residence 2400 Perak Hill Police Premises—Additional 2,400 Total 231,800  Miscellaneous—  State Government Offices—Excavation of Site Letton Department of Agricultural Additions and Alerations to Registrar's Office and Additions and Alerations to Registrar's Office and Additions and Alerations to Registrar's Office and Additional Accommodation 2,400  Miscellaneous—  Miscellaneous—  State Government Offices—Excavation of Site Letton Department of Agricultural Additional Accommodation 2,400 Hay Gaol for Girls Training establishment—Removations can ad Alerations to Registrar's Office 1,400 Hay Gaol for Girls Training establishment—Benotition 3,800 Compared to Store 1,400 Work Comment of Marchael 1,400 New Cottages 3,800 Old Public Library and Other Buildings—Demolition 3,800 New Cottages 3,800 New Cottages 3,800 New Cottages 4,800 New Cottages 5,800 New Cottages 5,800 New Cottages 6,800 New Cottages 6,800 New Cottages 7,800 New Cottages 7,800 New Cottages 8,800 New	Terrigal Public School—Timber-framed		1 Otal	14,002,000
Department of the Attorney General and of Justice— Narromine Court House—New Building 20,500 Wentworth Police Premises—Alterations and Additions to Lockup and Residence 24,000 Feak Accommodation 24,001 Total £11,800  Miscellaneous—  State Government Offices—Excavation of Site Leeton Department of Agricultura—Additions and Alterations to Reckup and Additions and Alterations to Resistant's Office 4,000 Leeton Department of Agricultura—Additions and Alterations to Resistant's Office 4,000 Alterations to Store 4,000 Coonabarabran Aborigines' Reserve—Two 4,000 New Cottages 4,000 New Cottages 4,000 Alterations and Painting 4,000 Alteration 4,000 Alteration 4,000 Alteration 4,000 Alteration 4,000 Alteration .	Orange High School—Additional Concrete		Schools, Universities and Technical Colleges—	
Department of the Attorney General and of Justice—  Narromine Court House—New Building 2,0,500 Wentworth Police Premises—Alterations and Pack Hill Police Premises—Additional Accommodation 2,400  Total 231,800  Miscellancous—  State Government Offices—Excavation of Site Leten Department of Agriculture—Additions and Alterations of Leten Department of Agriculture—Additions and Alterations of Leten Department of Agriculture—Additions and Physics Research Block Tamworth Technical College—New Building Physics Research Block Tamworth Technical College—New Building 183,700  Gonambarbar Aborigines* Reserve—Two New Cottages of Aborigines of Port Kembla District Hospital—New Buildings and Alterations on Agriculture—General Renovations and Painting 2,400  WORK Commenced Durking The YEAR 1961-1962 And STILL In Programs (Pack Buildings and Alterations on Contro—New Nurses Hostial—New Buildings and Alterations on Contro—New Nurses Hostial—New Studies (Pack Buildings and Alterations on Contro—New Nurses Hostial—New Studies) Prince Henry Hospital—New Studies (Pack Buildings and College—New Nurses Hostial—New Nurses	Paths and Paving			£
Department of the Attorney General and of Justice  Narromine Court House—New Building 20,000 Wentworth Police Premises—Atterations and Additions to Lock-up and Residence 8,900 Peak Hill Police Premises—Additional 2,400 Total 21,800  Miscellaneous— 5  Siate Government Offices—Excavation of Site Leeton Department of Agriculture—Additions of Site Leeton Department of Agriculture—Additions of Site Leeton Department of Agriculture—Additions of Conombible—Three Cottages for Aborigines Renovations Old Public Library and Other Buildings—Grow New Cottages Site Consideration of Site Considerations of	Total	£2,487,900	Buildings	343,900
Narrowine Court House—New Building Merstworth Police Premises—Aldreitons and Additions to Lock-up and Residence Pack Hill Police Premises—Additional Accommodation  Total  Total  Zame Miscellaneous—  Miscellaneous— State Government Offices—Excavation of Site Leeton Department of Agriculture—Additions and Alterations to Registrar's Office and Consumble—Three Cottages for Aborigines of Particulture—Additions and Alterations to Registrar's Office and Consumble—Three Cottages for Aborigines Old Public Library and Other Buildings—Demolition  Coonaberabran Aborigines' Reserve—Two New Cottages  More Votages  Mona Vale Hospital—New Sundings  Around Additions of Admission Centre—New Buildings  Mona Vale Hospital—New Buildings  Port Kembla District Hospital—New Buildings Mona Vale Hospital—New Buildings More Admission Centre—Laundry and Buildings and Alterations and Alterations Admission Centre—Laundry and Buildings and Alterations Admission Centre—Laundry and Buildings and Alterations Monaver District Hospital—New Buildings Prince Henry Hospital—New Buildings School—Membral Buildings Admission Centre—New Building School—Admission Centre—New Building School—Admission Centre—New Building School—Admission Centre—New Building School—Admission Accommodation School—A			College—P.O. Riddell Building	304,700
Nerromine Court House—New Building 20,500 Wentworth Police Premises—Alterial and Peak Hill Police Premises—Additional 24,400 Accommodation 24,001 Total 251,800  Miscellaneous—  State Government Offices—Excavation of Site Leton Department of Agricultura—Additions and Alterations to Registrar's Office 14,400 Hay Gaol for Girls Training establishment—Renovations and Alterations to Registrar's Office 14,400 Accommodation 24,001 Consamble—Three Cottages for Aborigines Office of Prickly Pear Commission 24,001 Wickham School Maintenance Depot—Additions and Other Building 3,000 Consabratran Aborigines Reserve—Two 3,000 Consabratran Renovations and Painting 171,500 Port Kembla District Hospital—New Building 171,500 Robert Reserve Re		£	Stage 1	258,700
Additions to Lock-up and Residence. \$9,00  Total 2,400  Miscellaneous—	Narromine Court House—New Building Wentworth Police Premises—Alterations and	20,500	Hurlstone Agricultural High School, Glenfield	
Total E31,800  Miscellaneous—  State Government Offices—Excavation of Site Lecton Department of Agriculture—Additions of Registrary Office Lecton Department of Agriculture—Additions of Registrary Office Lecton Department of Agriculture—Additions of Registrary Office Company of	Additions to Lock-up and Residence Peak Hill Police Premises—Additional	8,900	University of New England, Armidale—	248,800
Miscellaneous—  State Government Offices—Excavation of Site Leeton Department of Agriculture—Additions and Alterations to Registrar's Office and Alterations and Alterations to Registrar's Office and Alterations and Alterat			at Robb College	225,400
Physics Research Block   217,500   12,000   12	Total	£31,800	University of New England, Armidale:	222,700
State Government Offices—Excavation of Site Leeton Department of Agriculture—Additions Hay Gaol for Girls to Registrar's Office Renovations Connamble—Three Cottages for Aborigines Old Public Library and Other Buildings— Demolition Consamble—Three Cottages for Aborigines Old Public Library and Other Buildings— Demolition Scone—Conversion of Bus Depot Additions to Store Aorigines Scone—Conversion of Bus Depot to Depot for Prickly Pear Commission General Renovations and Painting Total  Total  Total  Total  WORK COMMENCED DURING THE YEAR 1961-1962 Mona Vale Hospital—New Buildings Macleay District Hospital—New Buildings Macleay District Hospital—New Buildings Macleay District Hospital—New Building Maclear District Hospital—New Building Prince Henry Hospital—Latletra Block Porice Henry Hospital—Latletra Block Prince Henry Hospital—Latletra Block Prince Henry Hospital—Latletra Block Prince Henry Hospital—New Nurses' Quarters Quarter			Physics Research Block	217,500
State Government Offices—Excavation of Site Lecton Department of Agriculture—Additions and Alterations to Registrar's Office.  Hay Goal of Grils Training establishment—Renovations Control of Public Library and Other Buildings—Object of Depot in Depot in Score—Consabarbar Aborigines' Reserve—Two New Cottages  Score—Conversion of Bus Depot to Depot for Prickly Pear Commission—Officer Buildings—Total  Total  Total  Total  Total  Prick Pear Commission—In Proceeds of Prick Pear Commission—Additional Accommodation—In Proceedings—In	Miscellaneous—	£	Yanco Agricultural High School—Two	
and Alterations to Registrar's Office 14,400 New Buildings 182,500 Ak Flats High School—New Buildings 182,500 Oak Flats High School—New Buildings and 160,000 Oak Flats High School—New Buildings and 176,600 Oak Flats High School—New Buildings and 176,600 Oak Flats High School—New Buildings and 176,600 Oak Flats High School—New Buildings 176,600 Oak Flats High School—New Building (Conway Street) Conabarabran Aborigines' Reserve—Two New Cottages 2,400 Oak Flats High School—New Building (Conway Street) College—New Building (Conway Street) College—Alterations (Co			Taree Technical College—New Building	183,700
Renovations Conamble—Three Cottages for Aborigines Old Public Library and Other Buildings Wickham School Maintenance Depot—Additions to Store Conabarabran Aborigines' Reserve—Two New Cottages One—Conversion of Bus Depot to Depot for Prickly Pear Commission General Renovations and Painting  Total  Total  £117.600  Total  £117.600  WORK COMMENCED DURING THE YEAR 1961-1962 AND STILL IN PROGRESS Hospital—New Buildings Mona Vale Hospital—New Buildings Mona Vale Hospital—New Buildings More Rembal District Hospital—New Building Accomprise Harbour District Hospital—New Building School—Assembly Hall Coffs Harbour District Hospital—New Building School—Nemptodation Rozelle Admission Centre—Laundry and Boiler House Prince Henry Hospital—R.M.O's Quarters Home Rozelle Admission Centre—Laundry and Boiler House Prince Henry Hospital—New Building School—New Building School—Assembly Hall Glidesville Mental Hospital—New Nurses' Home Prince Henry Hospital—New Suideng School—New Building School—Assembly Hall Coffs Harbour District Hospital—New Workshop Braidwood District Hospital—New Nurses Home Prince Henry Hospital—New Nurses' Home Prince Henry Hospital—Admission Centre Rozell—New Single Medical Officer's Block Prince Henry Hospital—New Nurses' Home Prince Henry Hospital—New Nurses' Hospital—New Nurses' Home Prince Henry Hospital—New Nurses' Home Prince Henry Hospital—Admission Condition Prince Henry Hospital—New Nurs	and Alterations to Registrar's Office		New Building	182,500
Coonamble—Three Cottages for Aborigines Old Public Library and Other Buildings—Demolition  Demolition  Demolition  School Maintenance Depot—Additions (Store)  Coonabarbran Aborigines' Reserve—Two Scone—Conversion of Bus Depot to Depot for Prickly Pear Commission  Lockmaster's Residence, Lock 15, Euston—General Renovations and Painting  Total  Total  ### E117.600  Work Commenced During The Year 1961-1962 AND STILL IN PROGRESS  Mona Vale Hospital—New Buildings  Mona Vale Hospital—New Buildings  Mona Vale Hospital—New Buildings  Moral Vale Hospital—New Buildings  Moral Vale Hospital—New Buildings and Alterations  Moral Vale Hospital—New Buildings  Moral Vale Hospital—New Buildings and Alterations  Moral Vale Hospital—New Buildings  Moral Vale Hospital—New Buildings and Alterations and Additional Accommodation  Moral Vale Hospital—New Buildings and Little Bay—Extensions to Pathology Building and Alterations and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Little Bay—Extensions to Pathology Building and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodation  Monal Vale Hospital—New Buildings and Alterations and Additional Accommodat	Renovations	10,000	Oak Flats High School—New Buildings Wagga Agricultural College—Dormitory Block	181,700 166,000
Demolition Wickham School Maintenance Depot—Additions to Store Coonabarabran Aborigines' Reserve—Two New Cottages Scone—Conversion of Bus Depot to Depot for Prickly Pear Commission General Renovations and Painting Total  Total  Total  Total  Total  Fire Renovations and Painting  Amona Vale Hospital—New Buildings Port Kembla District Hospital—New Buildings Macleay District Hospital—New Nurses' Quarters Qua	Coonamble—Three Cottages for Aborigines	6,700	Bonnyrigg High School—Stage 3	160,000
tions to Store Coonabarabran Aborigines' Reserve—Two New Cottages Scone—Conversion of Bus Depot to Depot for Prickly Pear Commission General Renovations and Painting Total  Total  2,400  WORK COMMENCED DURING THE YEAR 1961-1962 AND STILL IN PROGRESS Hospitals—  Mona Vale Hospital—New Building Port Kembla District Hospital—New Building Macleay District Hospital—New Sulding Prince Henry Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Additional Macennity Accommodation Manly Far West Hospital—Additional Casanom Man	Demolition	6.700	Alterations and Additions	
Scone—Conversion of Bus Depot to Depot for Prickly Pear Commission   2,400	tions to Store	3 800	Lismore Technical College—New Building	
Prickly Pear Commission   2,400   General Renovations and Painting   2,400   Total   E117,600   E117,600   General Renovations and Painting   2,400   Total   E117,600   E117,600   General Renovations and Painting   2,400   Total   E117,600   General Renovations and Painting   2,400   General Renovations   2,400   General Renovations and Painting   2,400   General Renovations   2,400   Genera	New Cottages	3,600	Kempsey West High School—New Building	118,100
Total  To	Prickly Pear Commission	2,400	Bega High School—Additional Accom-	
Total  ###	Lockmaster's Residence, Lock 15, Euston— General Renovations and Painting	2,400	Mosman Co-Educational High School-Class-	116,000
MORK COMMENCED DURING THE YEAR 1961-1962 AND STILL  HOSPITALS—  Mona Vale Hospital—New Buildings Port Kembla District Hospital—New Building Macleay District Hospital—New Buildings Buildings and Alterations  Rozelle Admission Centre—New Nurses' Orarte—Henry Hospital—R.M.O.'s Quarters  Rozelle Admission Centre—Laundry and Boiler House Frince Henry Hospital—R.M.O.'s Quarters Rozelle Admission Centre—Laundry and Boiler House Frince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital—New Building School—New Building School—N			room Block	96,300
WORK COMMENCED DURING THE YEAR 1961-1962 AND STILL Hospitals— IN PROGRESS Hospitals—New Buildings 1,715,800 Port Kembla District Hospital—New Building Macleay District Hospital—New Rouses Quarters Oursers Prince Henry Hospital, Little Bay—Extensions to Pathology Building Habiler House Maternity Block Rozelle Admission Centre—Laundry and Boiler House Maternity Hospital—RM.O.'s Quarters 65,700 Prince Henry Hospital—School—New Building Prince Henry Hospital—New Building Prince Henry Hospital—New Nurses' Home Gladesville Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Classrooms Eastern Suburbs Hospital—Extensions 12,000  In PROGRESS  Rozelle Johnston Centre—New Building Strict Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Classrooms Cantre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Classrooms Castern Suburbs Hospital—Extensions Light School—Additional Accommodation Manly Far West Hospital—Additional Classrooms Lastern Suburbs Hospital—Extensions Light School—Additional Accommodation Light School—Additional Accommodation Light School—Additional Accommodation Manly Far West Hospital—Additional Classrooms Light School—Additional Accommodation Light School—A	LE SELLE TRUMBULLA DE LA LA LA LA CALLA DE LA CALLA DEL CALLA DE LA CALLA DE LA CALLA DE LA CALLA DEL CALLA DE LA		ings, Stage 1	85,800
Work Commenced during the Year 1961-1962 and Still In Progress  Hospitals—  Mona Vale Hospital—New Buildings 1,715,800 Port Kembla District Hospital, Kempsey—New Buildings and Alterations 496,000 Rozelle Admission Centre—New Nurses' Quarters 201,000 Prince Henry Hospital, Little Bay—Extensions to Pathology Building Coff's Harbour District Hospital—New Maternity Block 81,700 Prince Henry Hospital—R.M.O.'s Quarters 65,700 Prince Henry Hospital—R.M.O.'s Quarters 65,700 Prince Henry Hospital—R.M.O.'s Quarters 65,700 Prince Henry Hospital—Rem Nurses' Home 19 Callam Park Mental Hospital—New Nurses' Home 25,000 Gladesville Mental Hospital—New Nurses' Home 19 Callam Park Mental Hospital—Admission Centre—New Nurses' Home 21,000 Gladesville Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block 21,000 Gladesville Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block 21,000 Manly Far West Hospital—Additional Class-rooms 14,300 Eastern Suburbs Hospital—Additional Class-rooms 14,300 Eastern Suburbs Hospital—Extensions 12,000 Prince Fank Commodation 14,400 Hospital—Additional Class-rooms 12,000 Prince Henry Hospital—Additional Class-rooms 14,300 Baleksmiths Public School—Classroom Block 20,72,700 Broken Hill High School—Assembly Hall and Accommodation 1,72,600 Alterations 31,400 Alterations 31,400 Broken Hill High School—Assembly Hall 32,400 Alterations 31,400 Alterations 31,400 Alterations 31,400 Alterations 31,400 Broken Hill High School—Adsitional Accommodation 32,400 Prince Henry Hospital—Additional Materality Prince Henry Hospital—Additional Mate			Infants Building, Septic Tank	82,400
Hospitals—  Mona Vale Hospital—New Buildings Port Kembla District Hospital—New Buildings Macleay District Hospital—New Buildings Rozelle Admission Centre—New Nurses' Quarters Prince Henry Hospital, Little Bay—Extensions to Pathology Building Boiler House Fred Birks Hospital—R.M.O.'s Quarters Fred Birks Hospital—New Building Prince Henry Hospital—New Building School—New Building School—New Building Prince Henry Hospital—New Building School—New Building Prince Henry Hospital—New Morkshop Braidwood District Hospital—New Nurses' Home  Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officer's Block Sastern Suburbs Hospital—Additional Classrooms Eastern Suburbs Hospital—Additional Classrooms Eastern Suburbs Hospital—Extensions  18 proken Hill High School—Assembly Hall Accommodation T2,600 Bathurst High School—Assembly Hall Additional Additional Addininistration Block Administration Block Campbelltown High School—Assembly Hall and Administration Block Chester Hill High School—Assembly Hall and Administration Block Newpool—Additional Accommodation T1,500 Chester Hill High School—Assembly Hall Accommodation Bathurst High School—Assembly Hall Additional Administration Block Newpool—Additional Accommodation T2,600 Ballina High School—Additional Accommodation Dapto High School—Additional Accommodation T2,800 Narrabeen Boys' High School—Assembly Hall Narwee Boys' High School—Assembly Hall Nindang Public School—Additional Accommodation Newcastle Teachers' College—Assembly Hall Nindang Public School—Additional Accommodation Newcastle Teachers' College—A	WORK COMMENCED DURING THE VEAR 1961-1962	AND STILL	modation	
Mona Vale Hospital—New Buildings Port Kembla District Hospital—New Building Macleay District Hospital, Kempsey—New Buildings and Alterations Rozelle Admission Centre—New Nurses' Quarters Prince Henry Hospital, Little Bay—Extensions to Pathology Building Coff's Harbour District Hospital—New Maternity Block Rozelle Admission Centre—Laundry and Boiler House Maternity Block Rozelle Admission Centre—Conditional Accommodation Boiler House Rozelle Admission Centre—Laundry and Boiler House Maternity Block Rozelle Admission Centre—Laundry and Boiler House Rozelle Admission Centre—Conditional Accommodation Ballina High School—Assembly Hall Additional Accommodation Dapto High School—Assembly Hall Varialda Central School—Assembly Hall Variabeen Boys' High School—Assembly Hall Vallongong High and Keira Boys' High School—Assembly Hall Vallongong High and Keira Boys' High School—Assembly Hall Vallongong High School—Assembly	IN PROGRESS	AND STILL	Broken Hill High School—Assembly Hall Berkeley West Public School—Additional	72,700
Macleay District Hospital, Kempsey-New Building and Alterations	Mone Vole Hespital New Buildings		Bathurst High School—Classroom Block and	72,600
Baildings and Alterations Rozelle Admission Centre—New Nurses' Quarters Prince Henry Hospital, Little Bay—Extensions to Pathology Building Coff's Harbour District Hospital—New Maternity Block Rozelle Admission Centre—Laundry and Boiler House Prince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital School—New Building Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—New Workshop Braidwood District Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Maternity Accommodation Eastern Suburbs Hospital—Extensions Eastern Suburbs Hospital—Extensions  496,000 Chester Hill High School—Stage 2 Chester Hill High School—Classroom Block Chester Hill High School—Classroom Block Chester Hill High School—Classroom Block Young High School—Additional Accommodation  142,100 Ballina High School—Alterations and Additions Warialda Central School—Assembly Hall School—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Wollongong High School—Assembly Hall Wallongong High School—Additions Newcastle Teachers' College—Assembly Hall Windang Public School—Additional Accommodation  St. George Girls' High School—Additional Accommodation  Tomos  St. George Girls' High School—Additional Accommodation  Balcksmiths Public School—Additional Accommodation  Balcksmiths Public School—Classroom Block, Septic Tank  201,000 Chester Hill High School—Additional Accommodation  Warialda Central School—Additional Accommodation  Narialda Central School—Additional Accommodation  Nariabeen Boys' High School—Assembly Hall Wollongong High and Keira Boys' High School—Additional Accommodation  St. George Girls' High School—Additional Accommodation  Bombala District Hospital—Additional A	Port Kembla District Hospital—New Building	1,751,200	Alterations	71,500
Rozelle Admission Centre—New Nurses Prince Henry Hospital, Little Bay—Extensions to Pathology Building Coff's Harbour District Hospital—New Maternity Block Rozelle Admission Centre—Laundry and Boiler House Prince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital—Row Building Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—New Building Prince Henry Hospital—Nurses' Training School Gladesville Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Class- rooms Eastern Suburbs Hospital—Extensions  201,000 Brookvale Public School—Additional Accommodation Ballina High School—Additional Accommodation  Warialda Central School—Additional Accommodation  Marrabeen Boys' High School—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Narwee Boys' High School—Assembly Hall Narwee Boys' High School—Assembly Hall Narwee Boys' High School—Assembly Hall Kandos Intermediate High School—Assembly Hall Windang Public School—Additional Accommodation  St. George Girls' High School—Additional Accommodation  Unanderra Public School—Additional Accommodation  Unanderra Public School—Additional Accommodation  Unanderra Public School—Additional Accommodation  St. George Girls' High School—Additional Accommodation  Unanderra Public School—Classroom Block Septic Tank  201,000  St. George Girls' High School—Additional Accommodation  Unanderra Public School—Additional Accommodation  Unanderra Public School—Classroom Block Septic Tank  201,000  St. George Girls' High School—Additional Accommodation  Unanderra Public School—Classroom Block Septic Tank  201,000  St. George Girls' High School—Additional Accommodation  School—Assembly Hall  Narwee Boys' High School—Additional Accommodation  St. George Girls' High School—Additional Accommodation  Unanderra Public Schoo	Buildings and Alterations		and Administration Block	
Prince Henry Hospital, Little Bay—Extensions to Pathology Building Coff's Harbour District Hospital—New Maternity Block Rozelle Admission Centre—Laundry and Boiler House Prince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital School—New Building Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—New Single Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—New Nurses' Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Classrooms Fastern Suburbs Hospital—Extensions  142,100 81,700 94,700	Ouarters	201,000	Brookvale Public School—Classroom Block	
School	Prince Henry Hospital, Little Bay—Extensions		modation	53,800
Rozelle Admission Centre—Laundry and Boiler House  Boiler House  74,700 Prince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital School—New Building Prince Henry Hospital—Cafeteria Block School School Gladesville Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home  Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Classrooms Eastern Suburbs Hospital—Extensions  Rozelle Admission Centre—Laundry and Modation So,0000  74,700 Dapto High School—Assembly Hall Jannali Boys' High School—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Wollongong High School—Assembly Hall Balgowlah Boys' High School—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Schools—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Schools—Assembly Hall Schools—Assembly Hall Wollongong High and Keira Boys' High School—Assembly Hall Schools—Assembly Hall Schools—Assemb	Coff's Harbour District Hospital—New		tions	52,800
Prince Henry Hospital—R.M.O.'s Quarters Fred Birks Hospital School—New Building Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—Cafeteria Block Prince Henry Hospital—Nurses' Training School Gladesville Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home Scallan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Maternity Accommodation Manly Far West Hospital—Additional Class- rooms Eastern Suburbs Hospital—Extensions  74,700 65,700 50,500 Dapto High School—Assembly Hall Narrabeen Boys' High School—Assembly Hall Wollongong High and Keira Boys' High Schools—Assembly Hall Narwee Boys' High School—Assembly Hall Narwee Boys' Hall Narwee Boys' Hall Narwee Boys' Hall Narwee Boys' Hall Narwee B	Rozelle Admission Centre—Laundry and		modation	50,000
Fred Birks Hospital School—New Building Prince Henry Hospital—Cafeteria Block	Prince Henry Hospital—R.M.O.'s Quarters	65,700	Dapto High School—Assembly Hall	
School Gladesville Mental Hospital—New Workshop Braidwood District Hospital—New Nurses' Home School Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Mater- nity Accommodation Manly Far West Hospital—Additional Class- rooms Eastern Suburbs Hospital—Extensions  School  42,500 40,000 Balgowlah Boys' High School—Assembly Hall Kandos Intermediate High School—Alterations and Additions Windang Public School—Additional Accommodation  St. George Girls' High School—Additional Accommodation Unanderra Public School—Additional Accommodation  20,200 Unanderra Public School—Additional Accommodation  27,800 Septic Tank  26,900	Prince Henry Hospital—Cafeteria Block		Wollongong High and Keira Boys' High	
Home Bombala District Hospital—New Nurses' Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Mater- nity Accommodation Manly Far West Hospital—Additional Class- rooms Eastern Suburbs Hospital—Extensions  35,400 Kandos Intermediate High School—Alterations and Additions Newcastle Teachers' College—Assembly Hall Windang Public School—Additional Accommodation St. George Girls' High School—Additional Accommodation Unanderra Public School—Additional Accommodation Tommodation  20,200 Blacksmiths Public School—Classroom Block, Septic Tank  26,900	School		Narwee Boys' High School—Assembly Hall Balgowlah Boys' High School—Assembly	45,000
Home Callan Park Mental Hospital—Admission Centre Rozelle—New Single Medical Officers' Block Fairfield District Hospital—Additional Mater- nity Accommodation Manly Far West Hospital—Additional Class- rooms Fastern Suburbs Hospital—Extensions  12,600 Newcastle Teachers' College—Assembly Hall Windang Public School—Additional Accommodation St. George Girls' High School—Additional Accommodation Unanderra Public School—Additional Accommodation 14,300 Blacksmiths Public School—Classroom Block, Septic Tank 26,900	Home	35,400	Kandos Intermediate High School—Altera-	
Centre Rozelle—New Single Medical Officers' Block 24,000 St. George Girls' High School—Additional Accommodation 33,200  Manly Far West Hospital—Additional Classrooms 14,300 Eastern Suburbs Hospital—Extensions 12,000 St. George Girls' High School—Additional Accommodation 33,200  Unanderra Public School—Additional Accommodation 27,800  Blacksmiths Public School—Classroom Block, Septic Tank 26,900	Callan Park Mental Hospital—Admission	32,600	Newcastle Teachers' College—Assembly Hall	
Fairfield District Hospital—Additional Maternity Accommodation 20,200 Unanderra Public School—Additional Accommodation 27,800 Tooms 14,300 Blacksmiths Public School—Classroom Block, Septic Tank 26,900	Centre Rozelle—New Single Medical Officers' Block	24,000	modation	34,600
Manly Far West Hospital—Additional Class- rooms	Fairfield District Hospital—Additional Mater- nity Accommodation		Accommodation	33,200
Eastern Suburbs Hospital—Extensions 12,000 Septic Tank 26,900	Manly Far West Hospital—Additional Class-		modation	27,800
P 13919—4			Septic Tank	26,900

Schools, Universities and Technical Colleges:—	£	Schools, Universities and Technical Colleges—	£
Matraville Soldiers' Settlement Public School		Moulamein Public School-New Classroom,	6,700
—Assembly Hall	26,900	Library and Sewing Room	1000
Muswellbrook Public School—Additional Accommodation	24,600	Mumbil Public School—Septic Tank Ashford Central School—Classroom Building	6,400
Primbee Public School—Additional Accom-	74	Burraneer Bay Public School—Additions	6,200
modation	24,600	Nulkaba Public School—Toilets, Washing	0,200
Mount St. Thomas Public School, Wollon-	24 500	Facilities and Septic Tank	6,000
gong—Additional Accommodation, Toilets	24,500	Tullibigeal Public School—Kindergarten	5,500
Blaxland East Public School—Stage 1	24,000	Grafton High School-Additional Accom-	
Queanbeyan High School—Alterations and Additions	23,600	modation	5,500
Epping Heights Public School-New Class-	22,000	North Star Public School—Additional Accom-	5,500
rooms and Toilet Block	21,200	modation  Kelvin Public School—Classroom Building	5,400
Yanco Experiment Farm—Re-conditioning	21 100	Grafton High School—Additional Accom-	3,400
Kitchen	21,100	modation	5,400
Glendale East Public School—Additional Accommodation	17,600	Tambar Springs Public School-Classroom,	
Albury North Public School—Additional	17,000	Store, Office, Drink and Wash Unit	5,300
Accommodation	17,200	Newton Boyd Public School—New Buildings	5,300
Vardys Road Public School-Additional	4 7 000	Blackville Public School—Additional Accommodation	5,200
Accommodation and Toilet	15,800	Thornleigh Public School—Extension of Toilet	5,200
Eden Central School—Brick Veneer Building French's Forest Public School—Additional	13,000	and Septic Tank	5,200
Accommodation and Toilet	12,500	Gulargambone Central School—Septic Tank	5,000
Taree West Public School—Additional Accom-		Ingleburn Public School—Septic Tank In-	
modation	12,300	stallation	4,700
Bathurst Technical College—Extensions	11,400	Wagga Wagga Agricultural College—Graham Block Roofing	4,600
Seven Hills West Public School-Addi-		The Oaks Public School—Classroom, Electri-	4,000
tional Washing, Drinking Facilities, Septic	10,300	cal Services and Ground Improvements	4,400
Warners Bay Infants' School—Brick Veneer	,	Coolatai Public School—Additional Accom-	4 400
Classroom Building and Canteen	10,300	modation  Mayrung Public School—Classroom and	4,400
Windale Public School—Classroom and	0.000	Store	4,300
Administration Blocks	9,800	Coff's Harbour Public School—Connection to	
Building	9,450	Town Sewerage	4,300
Kyogle High School—Two Additional Class-		Binnaway Central School—New Classroom and Ablutions Unit	4,100
rooms	9,000	Mendooran Central School—Classroom	
Tenambit Public School—Additional Accommodation	8,800	Building Earlie Took	4,100
Narromine District Rural School—Three	0,000	Macquarie Fields Public School—Septic Tank Shortland Public School—Connection to	3,800
Classrooms and Store	8,500	Sewer Drainage	3,800
Berry Public School-New Kindergarten and	0.500	St. John's Park Public School-Septic Tank	3,700
Alterations	8,500	Wyalong Public School—Classroom Building	3,500
modation	8,400	Geurie Public School—Septic Tank Bossley Park Public School—Septic System,	3,400
Bendemeer Public School—Additional Accom-		Wash and Drink Unit	3,400
modation	8,300	Coff's Harbour High School—Connection to	
Hunter's Hill Public School—New Class- room Block, Alterations to Toilets	8,100	Town Sewerage	3,200
Nowendoc Public School—Additional Accom-	0,100	Cobbity Public School—Toilets and Ablution Block—Septic Tank	3,200
modation	8,000	Anglewood Special School—Burradoo—New	
Kempsey South Public School-Two Addi-	0.000	Toilet Block	3,100
tional Classrooms	8,000	Tahmoor Public School—Classroom Buildings	3,100
Additional Accommodation	8,000	Stanwell Park Public School—Toilet and	
Delegate Public School—New Septic Tank		Septic System	2,600
and Toilet Block	8,000	Removal of School at Willina to Bunyah Public School Site	2,400
Armidale Teachers' College—Fire Service and Lecture Block	7,800	Chipping Norton Public School—Septic Tank	2,300
Manly Vale Public School—New Toilet	7,000	and the state of t	
Block	7,400	Total £	6,198,350
Dunedoo Central School—Additional Accom-	7 100		
modation	7,100	Department of the Attorney-General and of Justic	0
Clinic	7,000		£
Parramatta Central School-New Dental	W 000	Darlinghurst Court House—Alterations and	200,000
Clinic	7,000	Additions	200,000
Naremburn Public School—New Dental Clinic	7,000 7,000	mental Offices and Police Premises	141,000
Oaklands Public School-Additional Accom-	7,000	Penrith New Court House	90,000
modation	7,000	Belmont New Court House—Police Premises, New Buildings	68,700
Portland Intermediate High School—New Administrative Block	6,900	Albury Police Station—New Building	62,000
Weilmoringle Public School—Single Class-	0,200	Gunnedah Police Station—New Buildings	37,100
room Building	6,900	Oberon-New Police Buildings and Court	24 200
Nerringundah Public School—New Classroom and Toilet Block	6,800	Warren Court House—New Building	34,200 23,700
	0,000	waiten court House—New Building	23,700

Department of The Attorney-General and of Justice-	Miscellaneous—	£
continued— £  Redfern Police Station—Additional Accom-	Registrar-General's Department—Alterations and Additions	769,000
modation         20,300           Corrimal New Police Premises         15,900	Training School for Girls, Thornleigh—New Building	380,000
Buronga Police Premises—Garage and New Residence	Public Library of N.S.W.—Additional Ac-	253,300
Quirindi Police Station—Office and Garage Accommodation 9,500  Oaklands Police Station—Residence, Office	"Mena House", Macquarie Street—Construc- tion of Partitioning for Courts and Office for Minister of Housing	81,600
and Garage	St. Helliers, Muswellbrook—Two New Dormitory Blocks	62,600
Accommodation	Coff's Harbour-New District Works Office	28,300
Picton Police Premises—New Residence and Garage	Eden Jetty—New Amenities Building for Port Workers	26,500
Taree Lock-up Keeper's Residence—Demolishing Old Residence and Erecting New Premises	State Dockyard, Newcastle—Extension to Administration Building	19,500
Wollongong Court House—Alterations to Holding Room and Store 5,100	Commaditchy (Port Kembla) Aborigines' Re- serve—Erection of 6 Cottages	12,500
Broken Hill Police Station—Meal Room Accommodation	Aborigines' Reserve, Griffith—Erection of Six Cottages	10,000
Goulburn Police Premises—Alterations and Additions to Garages and Paving 3,500	Aborigines Girls' Training Home, Cootamundra—Additions and Alterations	6,800
Total £755,800	Total	£1,650,100

## APPENDIX V

#### BUILDING CONSTRUCTION AND MAINTENANCE

#### **FUNCTIONS**

The functions of the Building Construction and Maintenance Branch are:—

- the maintenance and renovations of public buildings, including state and mental hospitals;
- construction, remodelling and additions to public buildings, including state and mental hospitals by day labour;
- (3) construction, alterations and maintenance of buildings for other departments and instrumentalities including the Hospitals Commission of New South Wales, Forestry Commission, Government Real Estate Office, Government Insurance Office, Department of Technical Education, etc.;
- (4) maintenance of schools from funds provided by the Education Department;
- (5) prefabrication and erection of timber and brick veneer classrooms from funds provided by the Department of Education;
- (6) inspection and treatment of termite, borer and other pest infestation in public buildings and institutions;
- (7) inspection and preparation of reports and estimates for general maintenance and miscellaneous works within the metropolitan area;
- (8) preparation of bills of quantities and specifications for major works carried out by the branch;
- (9) arranging continuous supply of materials and plant for works carried out by the branch;
- (10) the maintenance of emergency services after normal working hours in respect of plumbing, building and electrical services in public buildings.

#### **OPERATIONS**

#### Finance

The upward trend in branch activities is reflected in the following expenditure figures for the current year compared with the previous two years.

	1959–60	1960–61	1961-62
Revenue Vote, Public Buildings Special Deposit Public Building	£ 888,966	916,088 	£ 868,800 58,610
Revenue Vote not elsewhere included	11,304	10,619	71,589
Buildings Loan Votes Other Departments	286,118 2,368,140	15,000 328,477 2,940,833	10,000 351,753 3,648,993
	£3,554,528	£4,211,017	£5,009,745

The activities of the various Sections of the Branch are summarised as follows:—

#### Maintenance

Expenditure on maintenance and alterations to public buildings in the metropolitan area totalled £1,665,000, distributed as follows:—

	t
Revenue Vote Public Buildings	869,000
Special Deposits Account Public Buildings	58,000
Loan Vote Public Buildings, Police Buildings,	
etc	159,000
Loan Vote State Hospitals	30,000
Loan Vote Mental Hospitals	165,000
Child Welfare	39,000
Technical Education	109,000
Hospitals Commission	236,000

£1,665,000

The main work carried out under these approvals were:-

Revenue Vote (Public Buildings)—	£
Lidcombe State Hospital	22,000
Newington State Hospital	15,000
Callan Park Mental Hospital	75,000
Broughton Hall Mental Hospital	7,000
Gladesville Mental Hospital	94,000 122,000
Parramatta Mental Hospital  Rydalmere Mental Hospital	69,000
Police Premises	31,000
Court House	53,000
Public Buildings generally	195,000
Contracts various	75,000
Contracts various	150,000
Loan Vote (Public Buildings)—	
Agriculture Department	4,000
Courts and Prisons	37,000
Bidura Depot	12,000
National Art Gallery	7,000
Police Headquarters	66,000
Loan Vote (State Hospitals)—	
"Garrawarra" Hospital	7,000
Lidcombe State Hospital	4,000
Strickland	18,000
Loan Vote (Mental Hospitals)—	
Broughton Hall	7,000
Callan Park	43,000
Peat Island Rydalmere	51,000 5,000
North Ryde	11,000
St. Vincent's Hospital Mental Health Unit .	42,000
Child Welfare—	12,000
Mt. Penang	10,000
Montrose	8,000
Parramatta Girls' Training School	8,000
Winbin	8,000
Yarra Bay	3,000
Technical Education—	
Liverpool Technical College East Sydney Technical College	20,000 70,000
Hospitals Commission—	, 5,500
Prince Henry Hospital	214,000
Prince of Wales Hospital	7,000
The work severed by the Persons Vote sublic	

The work covered by the Revenue Vote public buildings was mainly maintenance work and in the case of the mental hospitals comprised largely the modernisation of pantries, serveries, toilets and ablutions, dining rooms, kitchens, etc., and overhaul of the electrical services, hot water services and internal and external painting.

Court Houses were given a great deal of attention, Darlinghurst Court, Supreme Court, Queens Court and Central Court all having extensive renovations.

Contractors were engaged to assist with the large programme principally for painting and plumbing.

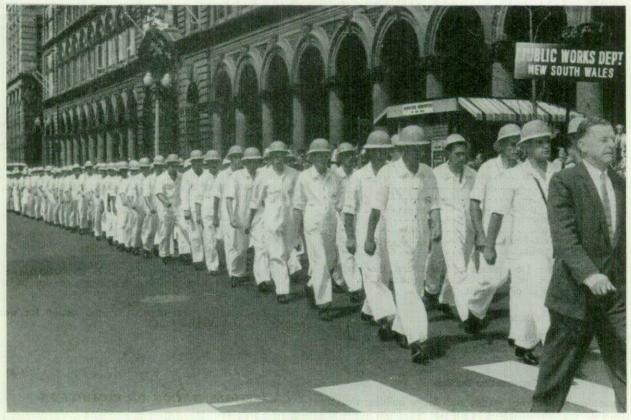
#### LOAN VOTE (PUBLIC BUILDINGS)

Expenditure from this vote covered alterations and extensions including work done at the National Art Gallery, Agriculture Department and the new Police Headquarters building.

An extensive lighting scheme in the Art Gallery of New South Wales was completed, extra accommodation provided at the District Court and extensions to services at Long Bay, Bathurst and Goulburn Gaols are in progress.

#### LOAN VOTE (STATE HOSPITALS)

Works financed from this vote included very extensive alterations at "Garrawarra" Hospital and Strickland Convalescent Home.



Public Works Department Apprentices-Marching in Apprenticeship Week, 1962

#### LOAN VOTE (MENTAL HOSPITALS)

Work at all of the metropolitan mental institutions such as Medical Officers accommodation at Broughton Hall, office accommodation at Callan Park and additional toilet accommodation at Peat Island was financed from this vote.

## CHILD WELFARE FUNDS

Child Welfare funds were expended mainly on the maintenance of Child Welfare Institutions and this year general renovations were carried out at Mt. Penang Training School, Montrose Burwood, Parramatta Girls' Training School, Bidura Depot, Winbin and Yarra Bay Home, and "Myee".

## TECHNICAL EDUCATION

The main work done for this Department was the completion of the conversion of Liverpool State Hospital to the Liverpool Technical College and alterations to the Bakery School and Theatre accommodation at East Sydney Technical College.

#### HOSPITALS COMMISSION

Work was completed on the renovation of Block "B" Prince Henry Hospital and the Catherine Hayes Block at Randwick Hospital.

#### SCHOOL MAINTENANCE SECTION

Maintenance works on schools and school properties in the metropolitan area were carried out to a value of £1,550,000. Funds were provided by the Department of Education and the works carried out to a programme mutually agreed upon by Officers of the Departments of Education and Public Works.

The Department of Education funds of £1,550,000 were expended as follows:—

/41		£
(1)	Central, southern and northern areas—maintenance works	1,004,000
(2)	Western area—maintenance works	230,000
(3)	Western area—minor and urgent minor works	30,000
(4)	Central, southern and northern areas—minor urgent works	170,000

		£
(5)	Maintenance works carried out from a special deposits account	70,000
(6)	Sewerage allocation, also Teachers'	
	College Maintenance and local tender	50,000

Major maintenance works were carried out or are in progress at the following schools:—

Schools—	£
Belmore Boys' High	2,216
Balgowlah Public	10,479
Bexley Central	7,320
Bondi Beach Public	47,843
Boronia Park Public	12,019
Carlton Public	4,805
Caringbah Public	8,703
Como West Public	4,589
Condell Park Public	9,112
Cronulla South Public	1,480
Croydon Public	7,000
Double Bay Public	9,729
East Hills Girls' High	6,565
Enmore Boys' High	10,674
Epping Public	7,338
Erina West Public	1,111
Erina Heights Public	3,535
Ettalong Public	8,033
Ferncourt Public	9,392
Fort Street Boys' High	41,409
Homebush Boys' High	10,655
Hurstville Public	5,055
Hurstville Grove Public	1,750
Jannali Public	4,129
Kegworth Public	2,046
Kogarah Boys' High	3,172
Lane Cove Public	2,237
Leichhardt Public	45,723
Lindfield Public	12,679
Lindfield East Public	4,500
Mangrove Mountain Public	1,185
Manly Public	5,913
Manly Infants	3,110
Manly West Public	10,407
	6,765
Miranda North Public	1,780
Mortlake Public	13,033
Mount Lewis Public	2,049
Narrabeen Infants'	2,920
Narrabeen Public	2,345

S	chools—continued—	£
	Neutral Bay Public	11,331 28,505 4,894
	Northbridge Public	13,039
	Orange Grove Public	16,773
	Oxford Falls Public	2,313
	Padstow Park Public	2,042
	Pennant Hills Public	1,879 2,241
	Randwick Boys' High	3,160
	Daceyville Public	8,462
	Rozelle Public	18,397
	South Sydney Boys' High	47,702 3,005
	Caringbah North Public	6,170
	Narwee Public	5,200
	Auburn Central	33,732
	Hilltop Road Public	11,271
	Katoomba Public Infants'	19,204 13,277
	Seven Hills West Public	7,540
	Seven Hills Public	8,370
		20 20

On behalf of the Department of Education the Section supervised the work of small contracts arranged by that Department to a value of £20,000.

#### COUNTRY DISTRICTS

An amount of £1,006,000 was expended on the maintenance and repair of school buildings in country areas.

#### Construction Section

This section is concerned mainly with major building works, the majority of which are carried out for the Department of Education.

A total of 216 classrooms at 80 schools in the metropolitan area were completed, expenditure being £1,986,235.

Major school projects completed during the year by day labour:—

Sch

10	ool—	£
	Jannali Girls' High	40,000
	Dee Why West	42,000
	Maroubra Bay	32,963
	Loftus	22,600
	Cambridge Park	21,226
	Marayong	33,786
	Chester Hill	22,500
	Lansvale	26,500
	Sydney Boys High	79,000
	Balgowlah North	21,234
	Farrer	15,000
	Oxley Park	20,000
	Matraville South	50,000
	Kent Road	19,700
	Oatley West	29,780
	Elanora Heights	29,000
	St. Mary's North	48,259
	Rooty Hill	19,000
	Ringrose	42,000
	Old Guildford	27,895
	Marayong South	30,000
	Harrington Street	36,172
	Ingleburn North	45,000

Works carried out for the Education Department other than school accommodation, such as septic tanks, connections to sewerage, alterations and renovations, additions of staff rooms, clinics, stores and conversions, etc., accounted for expenditure to the extent of £150,079.

#### Inspection Section

The Clerks of Works, an Electrical Inspector and Pest Control Officers prepared 1,828 reports and estimates to the value of £914,375 in respect of general maintenance and construction of buildings in the metropolitan area.

The Pest Control Officers of the section made a total of 562 inspections from head office and 300 from the Newcastle and Port Kembla offices.

#### Quantity Surveyor's Section

This section prepared estimates, bills of quantities and materials lists for construction projects carried out by the Department.

Bills of quantities were prepared by the section for work estimated to cost £215,491.

#### REPRESENTATION ON COMMITTEES

Standards Association Committee (Terra Cotta tiles), Scaffolding and Riggers Committee (Department of Technical Education), University of New South Wales Building Advisory Committee, Carpentry and Joinery Advisory Committee (Department of Technical Education), Building Foreman and Clerk of Works Certificate Course Advisory Committee (Department of Technical Education).

## GENERAL

## Day Labour Staff

The day labour staff in the metropolitan area increased considerably during the year, the total employed on 30th June, 1962, being 2,064 as compared with 1,860 on 30th June, 1961.

#### Improvements in Methods of Work

Increased use was again made of mechanical equipment such as brick elevators, trenchers for the excavation of foundations, sewer and power lines, etc., and of motorised vibrating rollers for tar paving.

## APPENDIX VI

#### LOCAL GOVERNMENT ENGINEERING

#### FUNCTIONS

The functions of the Local Government Engineers Branch are:

- (1) The examination of detailed applications, plans, specifications and estimates submitted by Shire, Municipal and City Councils in respect of:—
  - (a) annual allocation for rural road construction of funds provided under the Commonwealth Aid Roads Act, 1959;
  - (b) grants in respect of approved proposals for the construction of bridges to replace subsidised ferries on rural roads under the C.A.R. Act, 1959;
  - (c) grants towards the restoration of flood and bushfire damage to roads, bridges and Councils' properties;
  - (d) grants towards the cost of construction, repair and renewal of works;
  - (e) grants towards the construction of swimming pools in country towns;
  - (f) grants for the relief of unemployment.
- (2) The overriding supervision of the construction of works approved in the foregoing programmes.
- (3) The overriding supervision on behalf of the Local Government Department of grants programmes for road construction, public buildings and improvements to public recreation reserves.
- (4) The examination of Loan Applications, plans, specifications and estimates submitted by Councils to the Local Government Department for roads, bridges, drainage schemes, swimming pools, town improvements, etc.
- (5) The maintenance of landing grounds in the Western Division for the Flying Doctor service.
- (6) The planning, including survey, plans specifications and estimates and supervision of construction and maintenance of roads, bridges, drainage and ground improvements for Hospitals, Schools, Universities, other public buildings and for other departments.

#### **OPERATIONS**

#### Grants to Councils

Four hundred and twenty-one grants totalling £5,179,340 were allocated to local-government authorities from the following sources:—

Commonwealth	Aid	Roads	Act,	1959 .	 4,559,644
Revenue Vote					 49,696
Loan Vote					70,000
Unemployment	Rel	ief			 500,000

£5,179,340

## SUBSIDISED WORKS UNDERTAKEN BY COUNCILS

108 grants totalling £47,491 were approved to assist Councils towards repair, renewal and construction programmes. In addition there were many deferred applications awaiting the availability of funds.

## RESTORATION OF FLOOD DAMAGE

Grants totallying £172,133 were distributed to 60 Councils from Commonwealth Aid Roads Act Funds towards the restoration of flood damage to roads, bridges, etc.

£2,205 was paid to one Council from Revenue Vote tofrom Commonwealth Aid Roads Act Funds towards the tion of levee banks.

Adjustments to grants for the 1955 flood damage programme from Special Deposit Funds (£ and £ expenditure by the Federal and State Government) brought the final expediture on this account to £860,196.

#### SWIMMING POOLS—COUNTRY TOWNS

29 grants totalling £70,000 were approved towards the construction of swimming pools in terms of the policy to subsidise the construction of swimming pools in country towns on the basis of 25 per cent of the actual cost to a maximum of £10,000 in each instance. The distribution of this amount represents the final payment to seven Councils and instalments to the balance. The Department distributes these grants in instalments over a period not exceeding three years to enable the maximum number of projects to proceed.

#### UNEMPLOYED RELIEF GRANTS

An amount of £75,000 was allocated from Commonwealth Aid Roads Act Funds to the Department of Main Roads for roadworks in the Cessnock area being undertaken for the relief of unemployment while £126,000 was allocated by the Treasury to the Cessnock City Council for drainage works. The work was supervised by this branch. In addition a Federal grant of £500,000 was distributed to 77 Shires and 51 Municipalities in the State.

#### COMMONWEALTH AID ROADS ACT, 1959

Funds totalling £689,000 were made available to the Department of Main Roads for expenditure on developmental roads and works and unclassified roads in the Western Division of the State, classified as rural roads under the Act.

A total of 274 grants were made to Shire and Municipal Councils, aggregating £4,559,644 as follows:—

	1
Grants to Shires and Cities	3,835,373
Grants to Municipalities	470,926
Flood Damage	172,133
Bridges to Replace Ferries	59,663
Special Investigations, etc	4,547
Special Grants Item 13	
Road Dedication surveys	3,002

£4,559,644

There was a reciprocal arrangement for exchange of funds of £200,000 between this Department and the Department of Main Roads. The funds to the D.M.R. being used for the construction and maintenance of roads, bridges, etc., and for this Department to construct works associated with water transport.

The construction of prestressed or post-tensioned concrete bridges to replace ferries on rural roads were advanced to the following stages:—

Manning Shire, Scotts Creek Bridge, completed; Manning Shire, Wingham Bridge, under construction; Tomki Shire, Tatham Bridge, under construction; Hastings Shire, Laurieton Bridge, design in hand.

£3,002 was disbursed to Councils for road dedication surveys in their areas.

£14,000 was distributed to six Councils as a special grant for the construction of bank protection works and access roads to special facilities.

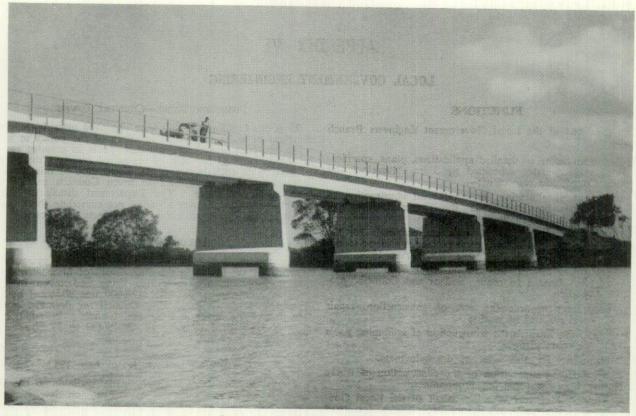
### Local Government Department

Numerous requests from the Local Government Department for technical advice were dealt with in connection with applications for loans for the construction of roads, bridges, swimming pools, drainage, kerbing and guttering, foot paths, etc.

Arrangements were also made for the supervision of grant programmes determined by the Local Government Department.

## Landing Grounds in the Western Division

The maintenance of Flying Doctor Service landing grounds continued. £370 was expended on the landing ground improvements at Tibooburra during the year.



Scotts Creek Bridge-Manning River

## Roads and Other Works in Government Institutions

Reports, estimates, designs and construction of works were arranged on behalf of the Lands Department, Hospitals Commission of New South Wales, Department of Education and Health Department.

The construction and maintenance of roads, bridges and all works in Government Institutions were arranged as required and carried out under supervision in the Metropolitan and Country areas.

#### Representation on Committees

Circular Quay Supervisory Committee.

Committees of the Standards Association of Australia.

Interdepartmental Committee on Swimming Pools.

Interdepartmental Committee for the Abolition of Railway Level Crossings.

Committee for Road Sign Standards.

Committee for School Swimming Pools-Department of Education.

Committee for School Playing Fields—Department of Education.

Supervision of Crown Lands Committee-Department of Lands.

#### **Details of Grants**

REVENUE VOTE FOR CONSTRUTCION, REPAIR AND RENEWAL OF WORKS

Council—																										Amount
Armidale																		94							170	500
Ballina						. ,																				
Barraba																										
Bathurst																								_		
Baulkham		H		115																						
Berrigan																										
Bingara																										
							Ī		i		Ī.		•	ì	•		•		*	•	•	•				500
Boologroo	)	0																								
Boorowa	7/																									
Control of the Contro																										
Boomi																										500
Boomi		*	*		1		*	*	*	*	*	*	•		•				*	•					*	300

puncil—continued—	Amount
Bowral Broken Hill Byron Canobolas Casino	500 500 500 500
Central Darling	\ 357
Cessnock Coff's Harbour Colo Condobolin Coolah Cooma	500 500 202 500 500
Coonabarabran	
Coonamble Cootamundra Corowa Culcairn Glen Innes Gloucester Goobang Goodradigbee Gosford Goulburn	500 500 500 500 500 500 471 500 126 500
Gunnedah Guyra Hastings Hume	500
Jemalong Jerilderie Jindalee Junee	300 412 458 500
Kyeamba	500 266 28
Lachlan Leeton Lockhart Maclean Manilla Manning Merriwa Mittagong Molong	500 500 500 500 500 500 500 500 500 500
Mumbulla	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Mudgee	500

	Amount		A	mount
Council—continued—	£	Council—continued—	£	s. d.
Murray Murrumburrah	500 375	Bingara	24,600	0 0
	( 325	Blacktown Bland	15,200 28,340	0 0
Murrurundi	( 133	Blaxland	27,660	0 0
Muswellbrook Namoi	500 500	Blue Mountains Bogan	15,200 29,240	0 0
Narrabri	500	Boolooroo	28,420	0 0
Narraburra Narrandera	500 500	Boomi	30,300	0 0
Narromine	114	Boree	27,500 28,380	0 0
Nyngan	500 500	Brewarrina	29,980	0 0
Oberon Orange	500	Burrangong Byron	28,360 27,560	0 0
Peel	500	Canobolas	28,180	0 0
Penrith Port Stephens	500 263	Carrathool	30,960	0 0
Queanbeyan	500	Central Darling Cessnock	30,520 31,340	0 0
Quirindi Rylstone	150 500	Cobar	30,160	0 0
Singleton	500	Cockburn Coff's Harbour	30,040 29,860	0 0
Snowy River	500 500	Colo	30,060	0 0
Sutherland	500	Conargo Coolah	26,480	0 0
Tallaganda	83	Coolamon	28,720 26,140	0 0
Tamarang Tamworth	432 500	Coonabarabran	31,500	0 0
Taree	500	Coonamble Copmanhurst	32,500 31,120	0 0
Tenterfield	250 445	Corowa	27,600	0 0
Tintenbar		Crookwell Cudgegong	29,500	0 0
Tumbarumba Tweed	500 500	Culcairn	30,600 26,280	0 0
Ulmarra	500	Darling Demondrille	30,660	0 0
Uralla	325	Dumaresq	27,160 30,620	0 0
Urana Walgett	500	Dungog	31,840	0 0
Warren	500	Eurobodalla Forbes	30,800	0 0
Wallington	500	Gilgandra	9,300 27,880	0 0
Wellington	486	Gloucester	29,480	0 0
Windsor Wingham	470 500	Goodradigbee	29,340 29,240	0 0
Woodburn	500	Gosford	29,440	0 0
Wyong	448	Gundagai Gundurimba	28,960 25,980	0 0
Yallaroi Young	352 475	Gunning	26,140	0 0
47.504		Guyra Hastings	29,060	0 0
Less Refund Dungog 47,500 Cr. 8		Holbrook	31,633 27,460	4 6 0 0
		Hornsby	15,200	0 0
£47,491	9 4	Hume	29,180 28,060	0 0
		Imlay	28,560	0 0
REVENUE VOTE GRANT FOR RESTORATION OF FLOOD I	DAMAGE	Jerilderie	29,460 28,080	0 0
	Amount	Jindalee	25,240	0 0
VVII - 4	£	Kiama Kyeamba	14,200 28,320	0 0
Windsor	2,205	Kyogle	35,820	0 0
		Lachlan Lake Macquarie	30,540	0 0
SPECIAL DEPOSITS—COMMONWEALTH AND STATE G	RANTS	Leeton	28,580 25,080	0 0
FOR THE RESTORATION OF FLOOD DAMAGE	10114173	Liverpool Plains	28,500	0 0
	A	Lyndhurst	27,980 29,320	0 0
	Amount	Macintyre	25,840	0 0
	s. d.	Maclean Macleay	27,240 31,980	0 0
	0 0	Maitland	12,700	0 0
Less Credits— £ s. d.		Manilla Manning	26,140	0 0
Yallaroi 201 10 0 Darling 1,192 5 10 1,393 15	10 Cr	Merriwa	35,460 26,900	0 0
		Mitchell Mittagong	26,660	0 0
£1,305 9	4 Cr.	Mittagong Molong	25,340 26,860	0 0
		Monaro	30,480	0 0
		Mulwaree Mumbulla	31,060 29,900	0 0
COMMONWEALTH AID ROADS ACT, 1959		Murray	30,280	0 0
Ava	ount	Murrumbidgee	24,200 27,080	0 0
Council— £	s. d.	Muswellbrook	27,500	0 0
Abercrombie		Nambucca Namoi	31,800	0 0
Ashford 27,540	0 0	Narraburra	31,140 27,440	0 0
Balranald		Narrandera	29,320	0 0
Baulkham Hills	0 0	Newcastle Nundle	12,700 25,600	0 0
Bellingen 29,620 Berrigan 26,620		Nymboida	30,560	0 0
Bibenluke	2 3 3 3 3 3 7 7	Oberon Patrick Plains	27,460	0 0
20,110			31,320	0 0

	A	moi	unt		- Aı	m
ouncil—continued—	£	S.	d.	Council—continued—	£	
Peel		0	0	Gunnedah	5,500	
Penrith		0	0	Holroyd	5,500	
Port Stephens		0	0	Junee	5,500	
Rylstone		0	0	Kempsey	5,500	
Scone		0	0	Lord Howe Island Board	3,726	
Severn		0	0	Lismore	5,500	
Shoalhaven		0	0	Lithgow	5,500	
Snowy River	31,180	0	0	Manilla		
Stroud		0	0	Moree	5,500	
Sutherland		0	0	Mudgee	5,500	
Talbragar		0	0	Mullumbimby	5,500	
Tallaganda		0	0	Murrumburrah	5,500	
Tamarang		0	0	Muswellbrook	5,500	
Tenterfield		0	0	Narrabri	5,500	
and the second s			0	Narrandera	2,400	
		0		Narromine		
Timbrebongie		0	0	The state of the s	5,500	
Tintenbar		0	0	Nyngan Orange	5,500	
		0	0	D		
Tumbarumba		0	0		5,500	
Tumut		0	0	Queanbeyan	5,500	
Turon	27,920	0	0	Quirindi	5,500	
Tweed		0	0	Singleton	5,500	
Ulmarra	28,680	0	0	Tamworth	5,500	
Uralla	28,320	0	0	Taree	5,500	
Urana	27,800	0	0	Temora	5,500	
Wade	26,780	0	0	Wagga Wagga	5,500	
Wakool	31,740	Ö	ő	Wingham	5,500	
Walcha		0	0	Young	5,500	
Walgett	33,220	0	0		,,,,,,	1
Waradgery	27,080	0	0		£236,826	
Warren	27,000				2250,020	U
Warringah	32,080	0	0			
Wangoola	15,200	0	0			
Weddin	29,180	0	0	COMMONWEALTH AID ROADS GRANTS FOR FLOO	D RESTOR	D.
Wellington	28,160	0	0		D RELOTOR	-
Wentworth	. 28,360	0	0		Pa	ai
Windouran	29,600	0	0	Council—	£	
Wingagorribae	26,080	0	0			
Wingecarribee		0	0	Baulkham Hills	1,335	
Wollondilly	28,900	0	0	Blacktown	555	
Wollongong	15,200	0	0	Bland	1,893	
Woodburn	27,380	0	0	Blue Mountains	5,285	
Wyong	29,440	0	0	Boorowa	254	
YallaroiYarrowlumla		0	0	Broken Hill	452	
Yarrowlumla	26,740	0	0	Campbelltown	335	
	00.011.000	-	_	Central Darling	150	
	£3,911,373	4	6	Cobar	1,400	
			_	Cockburn	55,000	
				Coff's Harbour	2,250	
				Colo	4,330	
nicipalities (Classified)—				Cooma	600	
				Coonabarabran	1,653	
Camden	9,300	0		Coonamble	325	
Campbelltown		0	0	Cudgegong	523	
Condobolin		0	0	Darling	200	
Deniliquin	9,300	0	0	Dungog	2,322	
Fairfield	9,300	0	0	Dungog	400	
Forbes	9,300	0	0	Eurobodalla	2,690	
Glen Innes	9,300	0	0	Gloucester	225	
Hay	9,300	0	0	Gundagai	283	
Inverell	9,300	0	0	Hastings	1,225	
Liverpool	9,300	Ö	0	Imlay	182	
Parkes	9,300	0	0	Kiama	415	
Peak Hill	9,300	0	0	Kyeamba	1,564	
Port Macquarie	9,300	0	0	Lachlan	1,265	
Shellharbour	9.300	0	0	Lismore	20,000	
Tenterfield	9,300	0	0	Liverpool Plains		
Windsor		0	0	Macintyre	673	
Yass		0		37. 1	379	
1403	9,300	U	U	36	5,280	
	C150 100	0	_	Manilla	939	
	£158,100	0	0	Manning	1,450	
				Mulwaree	932	
				Mumbulla	715	
				Nambucca	2,943	
					416	
icipalities and Cities (Unclassified)					315	
		0	0	Nymboida	1,550	
	5,500		0	Peel	386	
Albury		0	0	Penrith	1,271	
Albury	5,500	0		Port Macquarie	995	
Albury Armidale Ballina	5,500 5,500	0	0	Scone	1.095	
Albury Armidale Ballina Bathurst	5,500 5,500 5,500	0				
Albury Armidale Ballina Bathurst Bega	5,500 5,500 5,500 5,500	0 0	0	Severn	1 500	
Albury Armidale Ballina Bathurst Bega Bombala	5,500 5,500 5,500 5,500 5,500	0 0 0	0	Severn	1,500	
Albury Armidale Ballina Bathurst Bega Bombala Bowral	5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0	0 0	Shoalhaven	5,992	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill	5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0	0 0 0	Shoalhaven	5,992 7,110	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0	0 0 0 0 0	Shoalhaven	5,992 7,110 1,000	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0 0	0 0 0 0 0 0	Shoalhaven	5,992 7,110 1,000 391	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma Cootamundra	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0	0 0 0 0 0 0 0	Shoalhaven	5,992 7,110 1,000 391 1,102	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma Cootamundra Cowra	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	Shoalhaven { Sutherland Tallaganda Tamworth Tenterfield	5,992 7,110 1,000 391 1,102 65	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma Cootamundra Cowra Dubbo	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	Shoalhaven { Sutherland Tallaganda Tamworth Tenterfield Tenterfield	5,992 7,110 1,000 391 1,102 65 550	
Albury Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma Cootamundra Cowra Dubbo Goulburn	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	Shoalhaven { Sutherland Tallaganda Tamworth Tenterfield Tenterfield Tintenbar	5,992 7,110 1,000 391 1,102 65 550 725	
Armidale Ballina Bathurst Bega Bombala Bowral Broken Hill Casino Cooma Cootamundra Cowra Dubbo	5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500 5,500	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	Shoalhaven { Sutherland Tallaganda Tamworth Tenterfield Tenterfield	5,992 7,110 1,000 391 1,102 65 550	

	Paid	COMMONWEALTH AID ROADS GRANTS: ROAD DE	DICATION	ă.
Council—continued—	£ s. d.	SURVEYS	Amount	t
Walcha	3,500 0 0 5,380 0 0	Council—	£ s.	d.
Warringah Weddin	5,380 0 0		.479 5	0
Wingecarribee	192 0 0	Distributed	1,186 8	6
Wollondilly	1,505 0 0	Darling	336 16	0
Wollongong	5,130 0 0 3,870 0 0	f.	3,002 9	6
Woodburn	3,450 0 0		,002	
Yallaroi	1,320 0 0			
	£172,260 0 0	UNEMPLOYED RELIEF GRANT		
Less Refunds— £ s. d.	,2172,200 0 0		Amo	
Illabo 58 19 9		Municipality—		£
Companhurst 4 7 6	106 7 2	Albury	20,0	
Tallaganda 63 0 0	126 7 3	Armidale		100
	£172,133 12 9	Bathurst	7,0	000
		Bega	20,0	840
		Blue Mountains		840
		Broken Hill	20,0	
BRIDGES TO REPLACE FERRIE	The state of the s	Casino	20,0	550
Ch:	Amount	Cessnock		240
Shires—	£	Cootamundra	5	500
Hastings	1,451 17,089	Cowra		800 040
Mumbulla	1,680	Dubbo		000
Tomkin	01.041	Glen Innes	2,0	000
Wingham	21,041	Goulburn		500 200
	£59,663	Grafton Grenfell	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	840
Design charges	6,110	Gunnedah	2,5	550
	£65,773	HayInverell		500
		Inverell		150
Experimental design of culverts, causewa	ys, etc. £1,563 Cr.	Kempsey	4,5	500
		KiamaLismore	0.6	840 800
Sumanus Boot o		Lismore Lithgow	12,1	100
SWIMMING POOLS	Amount	Maitland		000 400
Council—	£	Moree	0 1	300
Berrigan		Mullumbimby	4	500
Bingara		Murrumburrah		840 300
Blue Mountains		Muswellbrook Narrabri	21	000
Boree		Narromine	4	500
Coolah		Nyngan	2 /	400
Coonabarabran Cudgegong		Orange Parkes	3,4	400
Eurobodalla		Peak Hill		300
Kiama		Port Macquarie Shell Harbour	-	100
Kyogle		Singleton	2,8	800
Leeton	1,600	Tamworth	-	,200
Lithgow	* 000	Taree		840
Maclean Macleay		Wagga Wagga	. 8,	,400
Molong	2,500	Wingham		000,000
Murrumburrah		Wollongong Yass		840
Namoi Narromine		Young	1,	,150
Peak Hill	1,000	Newcastle	20,	,000
Penrith			£274,	,600
Tallaganda			-	
Timbrebongie	2,500			
Tumut		Shires—		
Wentworth	3,500	Abercrombie		,150 500
Yass	3,000	Barraba		,700
	£70,000	Bingara		500
	-	Bland Blaxland		,200
		Boree		840
	D.	Brewarrina		500
COMMONWEALTH AID ROADS GRANTS: SP	ECIAL PURPOSES	Burrangong Byron	-	500,800
	Amount	Central Darling	1,	,400
Council—	£	Coff's Harbour	7,0	,000
Cessnock		Colo		500
Hastings		Coonabarabran		,150
Manning	2,000	Coonamble		500
Port Macquarie		Corowa		500
Tumbarumba				
Tumbarumba		Cudgegong		,000
Tumbarumba	£14,000	Cudgegong Culcairn Darling		,000 840 ,150

	Amount		Amount
Shires—continued—	£		£
Dumaresq	500	Port Stephens	5,320
Dungog	2,300	Rylstone	1.700
Eurobodalla	840	Scone	5,000
Gilgandra	500	Shoalhaven	9,800
Gloucester	1.150	Stroud	3,360
Goobang	500	Terania	3,080
Gosford	19,900	Tintenbar	3,360
Gundagai	2,300	Tomki	1,400
Gundurimba	1,700	Tumbarumba	840
Guyra	3,100	Tumut	1.700
Hastings	2,250	Turon	2,520
Holbrook	500	Turad	17,080
Hume	1,700	Ulmarra	1,150
Imlay	500	Uralla	500
Jemalong	500	Wade	1.150
Kyeamba	1,400	Walcha	1,400
Kyogle	3,650	Walgett	840
Lake Macquarie	20,000	Wellington	2,520
The state of the s	2,250	Wingecarribee	
			1,150
Liverpool Plains	1,150	Wollondilly	1,680
Macintyre	2,000	Woodburn	2,800
Maclean	3,100	Wyong	16,800
Macleay	5,900	Yarralumla	2,800
Manilla	1,150		
Manning	8,400		£225,400
Mitchell	840		
Mittagong	1,400		
Nambucca	4,200		£
Namoi	1,400	Municipalities	274,600
Narrandera	500	Shires	225,400
Oberon	500		
Patrick Plains	500	Total	£500,000
Peel	1,400		

## APPENDIX VII

#### **ENGINEERING DESIGN**

#### **FUNCTIONS**

The functions of the Branch comprise:-

- (1) preparation of preliminary designs, quantities and estimates for engineering works undertaken by the Department;
- (2) preparation of final designs, drawings and specifications for such works;
- (3) work as for (1) and (2) on behalf of local government and other authorities;
- (4) analysis of tenders and making of recommendations thereon:
- (5) examination and reporting on contractors' plans; and
- (6) review of designs, estimates and specifications for works proposed by local government and other authorities.

#### REPRESENTATION ON COMMITTEES

The branch is represented on Committees of the Standards Association of Australia as under:—

Concrete in Building, Steel in Building, Pre-stressed Concrete, Steel Plate, Steel Sections, Concrete Pipes, Asbestos Cement Pipes, Corrugated Steel Pipes, Glazed Earthenware Pipes, Rubber Rings for Pipes, Precast Concrete Box Culverts, Cranes, Small Septic Tanks, Boilers and Pressure Vessels, Electrical Cables.

#### General

The approximate value of work done by the branch was as follows:—

	£
Tender documents completed	2,469,000
Designs for day labour works completed	1,563,000
Designs of works reviewed on behalf of Councils, etc.	3.582.000

#### **OPERATIONS**

The more important works are listed below:-

Bridges and Major Structures-

The design of the coal loading wharf at Port Kembla was well advanced. The wharf is of the flat plate type, supported on steel piles which are to be cathodically protected. This type of design is a new departure for Departmental works and is estimated to cost about £600,000.

For the rail approaches to this wharf designs for a bridge and a culvert have been commenced. These are estimated at £110,000.

To implement Government policy of replacing ferries by bridges a bridge was designed over the Manning River at Wingham.

Water Supply-

Work was continued on Fish River and Tweed District Water Supplies and recommenced on Berrima District. Schemes were completed for Kootingal-Moonbi, Attunga, Bendemeer, Yeoval and Bulahdelah. Work was also done on Lower Clarence Water Supply, Stage I, and for Tea Gardens and Gilgandra.

Sewerage-

Schemes for Wentworth, Coonamble and Coonabarabran were completed, while Lawson and Blayney are in hand. A relatively large sludge treatment plant is being designed for Bathurst, involving sludge heating by digestion gases.

Local Government and Stormwater Drainage-

Plans and specifications were prepared for the filtration plant building for Tweed District Water Supply, and a considerable amount of work done in connection with the new cattle saleyards at Flemington for the Metropolitan Meat Industry Board.

Harbours and Rivers-

The main works carried out were the design of services and fendering for the coal loading wharf at Port Kembla and of flood mitigation structures for the Hunter Valley.

Electrical and Mechanical-

Contract documents were completed for pumping equipment for eleven country town water supplies, the largest being for the Chinderah booster station for Tweed District, with duplicate 120,000 and 60,000 g.p.h. pumps.

Contract documents were also completed for pumping plants for three country sewerage schemes.

The Port Kembla Coal Loading Plant Contract was dealt with largely by a special section of the branch created for the purpose. Tender documents were prepared and tenders reviewed. The tender was let to John Holland (Constructions) Pty. Ltd., at a price of approximately £1,350,000, and their designs are being reviewed as received.

#### SPECIAL INVESTIGATION SECTION

Details of the work of the various sections of the branch are as follows:—

Documents were prepared and tenders reviewed for-

Port Kembla Inner Harbour-Wharf.

Manning Shire-Wingham Bridge.

Lock 15 Euston-Stacking Area and Gantry.

Tomki Shire-Tatham Bridge.

Woodburn Shire-Evans Head Bridge.

Bowral Municipal Council—Bridge over Mittagong Creek.

Hume Reservoir—Cable Test, Deflection Survey, Special Grout Design.

Hume Reservoir, Hydroelectric Penstocks—Surge Suppression.

Aboriginal Welfare Board—Cabbage Tree Island Bridge. Hume Reservoir—Temporary Plug for No. 3 Penstock.

Contract documents are in course of preparation for:-

Port Kembla Inner Harbour-Railway Bridge.

Port Kembla Inner Harbour-Railway Culvert.

Hume Reservoir—Bethanga Bridge (raising of the bridge, new expansion bearings, redecking and new approach span).

Hastings Shire-Laurieton-Dunbogan Bridge.

Redfern Police Radio Tower, Baptist St., Redfern.

Prince Henry Hospital—Robot Messenger for Pathology Specimens.

Reviews were carried out for:-

Gloucester Shire—Dead Bird Crossing Bridge.

Goodradigbee Shire—Bridge over Yass River at Thompson's Crossing.

Glen Innes Municipal Council-Shannon Vale Bridge.

Newcastle Harbour-Throsby Basin Wharf.

Kyeamba Shire—Burrandona Bridge.

Burrangong Shire—Standard Bridge.

Dungog Shire—Massey's Creek Bridge.

Canobalas Shire—Orange-Ophir Road Bridge.

Newcastle City Council—Mayfield Bridge. Shoalhaven Shire—Bundewallah Creek Bridge.

Tumbarumba Shire—Mannus Creek Bridge.

Walcha Shire-Cobrabald Creek Bridge.

Shellharbour Municipal Council—Marshall Creek Bridge.

Goodradigbee Shire—Bowning Creek Bridge.
Wollongong City Council—Fairy Creek Bridge.

Berrima District Water Supply-Medway Dam.

Public Library—Drainage Pumps.

The Entrance Water Supply-Mardi Dam.

Cudgegong Shire—Goodman Creek Bridge.

Cockburn Shire—Dungowan Creek Bridge.

Mumbulla Shire—Tathra-Tanja Bridge (lifting of the bridge, bearing repairs).

Tomki Shire—Cooley's Lane Bridge.

Gundagai Shire-Wambidgee Bridge.

Gloucester Shire-Billabong Bridge.

Oberon Shire-Wiseman's Creek Bridge.

Shoalhaven Shire-Milton Ulladulla Dam.

Inverell Municipal Council-Mansfield Street Bridge.

Tweed Shire-No. 2 Bridge, Burringbar.

Wollondilly Shire-Cawdor-Westbrook Road Bridge.

Gloucester Shire-Copeland Road Bridge.

Wollondilly Shire-Bridge at Douglas Park.

Manning Shire-Charity Creek Bridge.

Severn Shire—Bridge over 9-mile Creek.

Manning Shire-Cox's Bridge.

Port Kembla Inner Harbour—Coal Loading Plant (partial review).

Narrandera Fish Hatchery-Sticking of Penstocks.

Mitchell Shire-Galore Bridge, Beam Tests.

Port Kembla No. 6 Jetty-Cranes.

Cootamundra Municipal Council-Mackay Street Bridge.

Windouran Shire-Forest Creek Bridge.

Tenterfield Water Supply-Raising of Storage Dam.

Lake Macquarie Shire-Stoney Creek Bridge.

Hume Reservoir—Restoration of Bridge Roadway (review of contractor's proposals).

Bowral Municipal Council—Bridge over Mittagong Creek.

Redbank Weir-Proposed Irrigation Scheme.

Berkeley Public School-Footbridge.

Gladesville Psychiatric Hospital-Retaining Wall.

Review of Draft S.A.A. Code for Prestressed Concrete in Structures.

Review of Draft S.A.A. Code for Steel Tendons for Prestressed Concrete.

#### WATER SUPPLY SECTION

Location	Work	ACTION
Attunga	Service reservoir, pump well, chlorination house and	Plans and specifications; review tenders.
Barham	meter. Service reservoir, suction main and staging, pump	Plans and specifications.
Batlow	well. Augmentation plans by Rankine & Hill.	Review.
Bendemeer	Materials, meter, D.A.V.	Quotes and requisitions.
Berrima District	Rising main; gravitation main.	Plans and requisitions.
Blue Mountains	Blaxland reservoir.	Review plans.
Boomi	Elevated tank and stand.	Review plans.
Bourke Bulahdelah	Reservoir.  Weir, fish ladder, pump well, suction main, reservoir, chlorination house, meter, reticulation.	Report. Plans and specifications and quotes.
Bundanoon	New Berrima reservoir and reticulation, float valve for Moss Vale reservoir.	Plans and specifications, review tenders and quotes.
Camden Haven	Mains and reticulation, Bonny Hills reservoir inlet valve.	Review tenders, Plans and requisition.
Cessnock Psychiatric Hospital	Reservoir valve pit, meter pit.	Plans and requisition.
Coonabarabran	Gravitation main, float valve.	Requisitions, specifications and review tenders.
Coonamble	Meters (3).	Specification, requisition. Review, plans, specifications, requisi-
The Entrance	Soils exploration, bridge crossings, venturi meter, gravitation main, reticulation, pumping station, service reservoir.	tions, review quotes.
Fish River	Minor consumers, meter, H.P. valves and valve chamber.	
Gilgandra	Tube wells, header main, pump well, balance tank. Pumping station, rising main reticulation, service	Plans, requisition, review quotes. Plans, quotes, requisitions, and reviews.
	reservoir, meter and pit, railway crossing.	Plane specifications review tenders
Hay	Service reservoir, suction main, staging, pump well. Mater Misericordiae; elevated tank on stand.	Plans, specifications, review tenders. Plans, specifications, review tenders.
Hospitals	Gladesville: retaining wall.	Plan.
Howlong	Elevated tank—painting.	Specifications.
Kempsey	Reservoir	Review tenders.
Kootingal-Moonbi	Pump well and house, chlorination house, service reservoir, rising main, reticulation, balance tank.	Specifications.
Bendemeer	Suction main, pump well, service reservoir, rising main, reticulation.	Specifications.
Attunga	Pump well, chlorination house, rising main, reticula- tion.	Specifications.
Lithgow High School	Water tank.	Review tenders.
Leeton	Service reservoir repainting. Gravitation main, Stage I, reticulation, meter.	Advice. Plans, Specifications, requisition.
Lower Clarence	Site plan for filtration plant.	Plan.
Milton-Ulladulla	Plans and specifications by Gutteridge, Haskins & Davey.	Review.
A.S.A. 126, 127	Corrosion protection for M.S. pipes.	Review.
Molong	Meters	Specifications and review.
Moree Aboriginal Reserve	Water supply.	Review tenders. Plans, specifications.
Narrandera Nimmitabel	Service reservoir. Service reservoir, pump house, rising main, reti- culation.	Plans, specifications, review tenders.
Nundle	Test well.	Plans, specifications, requisition.
Nyngan	Service reservoir.	Plans, specifications.
Peat and Milson Is		Plans.
Rylstone-Kandos	Scheme, work-as-executed.	Review.
Shoalhaven District	Augmentation by Gutteridge, Haskins & Davey.	INCYTOW.

Location	Work	ACTION
S. W. Tablelands	Aurville tank.	Specifications.
	Kingsvale-Wombat-Prunevale.	Estimate.
Stroud	Chlorination house	Plan, specifications.
Tantawangalo	Air valves, cover and control valve.	Requisitions.
Tea Gardens	Service reservoir, aerators, bore headworks.	Plans and requisitions.
Tweed District	Bridge crossings at Boyds Bay, Murwillumbah and Barneys Pt., Chinderah pumping station, Fingal service reservoir, Kingscliff service reservoir, Kurrara balance tank.	Plans, specifications and review tenders
Uralla	Reservoir, cost of design.	Estimate.
Walgett	Intake works	Review tenders.
W. S. Generally	Special pipe castings	Review tenders.
	C.I. surface boxes.	Review tenders.
	Valves and hydrants.	Review tenders.
	Reservoir—Standard drawings.	Plans.
	Foot valve—Standard drawings.	Plans.
	C.I. pipes—Metters Clow.	Review.
	Collapsible ladder.	Plan.
	D.A.V.	Specification.
	C.I. pipes—Stanton.	Review.
	Meter pit—Standard drawings.	Plan.
Wellington	Intake works.	Requisition.
Windsor Boys Welfare Home	Water level indicator.	Plan, requisition.
Yeoval	Pump well, suction main, rising main, service reservoir, reticulation.	Plans, specifications.

## MECHANICAL AND ELECTRICAL SECTION **Pumping Plants**

Tendering plans and specifications were prepared in connection with the following:—

Chinderah Booster Station for Tweed District Water Supply—Four pumps, pipework and electrical control equipment for one pumping station.

Nimmitabel Water Supply—Two pumps, pipework and electrical control equipment.

Bega Water Supply Augmentation—One pump, pipework and electrical control equipment.

work and electrical control equipment.

Yeoval Water Supply-Two pumps, pipework and electrical control equipment.

Moonbi Water Supply-Two pumps, pipework and electrical control equipment.

Wellington Water Supply-Two pumps, pipework and electrical control equipment.

Bulahdelah Water Supply-Two pumps, pipework and

electrical control equipment.

Hay Water Supply—Two pumps, pipework and electrical control equipment.

Taralga Water Supply-Low water pump control.

Walgett Water Supply-Two pumps, pipework and electrical control equipment.

Gunning Water Supply-Two pumps, pipework and electrical control equipment.

Coonabarabran Sewerage-Five pumps, pipework and electrical control equipment.

Oberon Sewerage-Two pumps, pipework and electrical control equipment.

Mona Vale District Hospital-Three pumps, pipework and electrical control equipment.

Plans and specifications are being prepared for the following

Wentworth Sewerage-Pumps, pipework and electrical control equipment.

Lavington Water Supply Augmentation-Replacement of pumping machinery

Kempsey Sewerage Extensions—Pumps, pipework and electrical control equipment. Port Macquarie Water Supply Augmentation—Pumps, pipework and electrical control equipment.

Camden Haven Water Supply Extensions—1½ ton overhead travelling crane for No. 1 pumping station.

Coonamble Sewerage—Pumps, pipework and electrical control equipment. Barham Water Supply-Pumps, pipework and electrical

control equipment. Taree Sewerage, Chatham Area, Stokes Circuit—Pumps, pipework and electrical control equipment.

Molong Water Supply-Filtration plant electrical control equipment.

Mullumbimby Sewerage-Pumps, pipework and electrical control equipment.

#### Miscellaneous

Plans and specifications were completed for the following:-River Murray Works-Lock 10 Wentworth and Lock 15 Euston-Electrification of overhead gantry cranes.

Newcastle Harbour—Inflammable Liquids Throsby Basin: electrical installations.

Newcastle Harbour, Wickham Wharf-Low tension electrical switchgear.

Port Kembla Inner Harbour-Coal loading plant.

Plans and specifications are being prepared for the following:

Port Kembla Inner Harbour—Coal loading wharves: electrical supply.

Designs are being prepared or have been started for the following:-

No. 3 Jetty, Port Kembla—Electrical switchgear, electrical transformers, wiring, conduits, substations, etc.

Throsby Basin Wharves, Newcastle-New 10 and 15 ton cranes.

Newcastle District-Throsby Basin wharves, berths 1 and 2: electrical services.

Hume Reservoir-Modifications to auxiliary turbine and ancillary equipment.

Tweed District Water Supply-Filtration plant, electrical control equipment.

Reviews of proposals submitted by outside bodies:-

Newcastle Harbour-Inflammable Liquids, Berth Throsby Basin-electrical installations-Review of tenders.

chope Sewerage—Pumping machinery—review Consultant's plans and specifications. Wauchope Sewerage—Pumping

Murray Waters—Lock 10, Wentworth and Lock 15
Euston—Job cranes—motorisation—Review of tenders.

Milton-Ulladulla Water Supply—Pumping plant—Review of Consultant's plans and specification.

Port Kembla Inner Harbour—Coal loading plant— Review of tenders.

Contractor's drawings of pumping plants for the following

Tamworth Sewerage; Moss Vale Water Supply Section III, Booster Station; Wellington Water Supply; Camden Haven Water Supply Extensions; South Broken Hill Sewerage; Nimmitabel Water Supply; Narrandera Water Supply Augmentation.

Newcastle and Port Kembla Harbours-Contractor's drawings-new electrically driven, level luffing, portal, jib cranes.

Port Kembla Inner Harbour-Contractor's drawing for coal loading plant.

#### SEWERAGE SECTION

Work for Councils:-

Bathurst—Work on design of sludge digestion plant and specifications for mechanical equipment.

Blayney-Design of sewerage system started.

Coonabarabran—Further design work on treatment works, pumping stations and reticulation.

Coonamble—Further design work on treatment works, pumping stations and reticulation.

Dubbo-Design work on further extensions of sewerage system.

Kempsey-Plans and specification for pumping station.

Lawson-Design work on treatment works and reticula-

Mullumbimby—Further design work on treatment works, pumping stations and reticulation.

Oberon-Design work on treatment works, pumping station and reticulation.

Springwood—Design of pumping station.

Wentworth—Further design work on treatment works, pumping stations and reticulation.

Work for Hospitals and Government Institutions-

Forster Central School—Design and specification for septic tank.

Lake Cargelligo Court House-Design and specification for septic tank.

Mona Vale Hospital-Specifications for equipment for treatment works.

Windang Public School-Design for septic tank.

Review-

Wauchope-Consultant's design for pumping station.

# LOCAL GOVERNMENT AND FILTRATION PLANT SECTION

Work undertaken for Local Government and other Authorities:

Filtration Plants-

Molong-Amendments for plant and machinery.

Walgett-Contractors' designs reviewed.

Wellington-Extensions to plant: tenders reviewed.

Tweed District-Plans and specifications completed.

Baradine-Contractor's designs reviewed.

Swimming Pools-

Wagga Agricultural College-Estimate.

Ashton Park Trust-Estimate.

Government House-Estimate.

Standard pool 165 feet x 50 feet x 6 feet deep—Plans completed.

Other Works-

University of N.S.W.-Stormwater drainage-estimate and advice.

Precast Concrete Box Culverts-Report for S.A.A. Committee.

Jenolan Caves-Parking area-investigation.

Metropolitan Meat Industry Board-New saleyards-design in progress.

Reviews of Plans, Specifications and Tenders for Local Government and other Authorities:—

Punchbowl-Vesting of stormwater channels-Cullens Road bridge.

Campbelltown-Bunbury Curran Creek, St. Andrews Road.

Fairfield—Orphan School Creek, Liverpool Road—Loscoe Bridge, Fairfield Road.

Glen Innes-Beardy River, Shannon Vale Road.

Tweed-Hopkins Creek.

Waugoola-Sheet of Bark Creek.

Brewarrina-Langboyde Bridge, Birrie River-Burbar Creek.

Guyra-Darbys South Branch Creek.

Swimming Pools-

Rylstone-Kandos pool.

Namoi-Wee Waa pool.

Bega-Bega pool, Learners pool.

Tumut-War Memorial pool.

Cessnock—Branxton-Greta pool.

Leeton-Reconstruction-tenders only.

Coolah-Dunedoo pool-tenders only.

Timbrebongie-Trangie pool-plans.

Maclean-Maclean pool-tenders only.

Kyogle-Bonalbo pool-advice. Woodenbong pool-advice.

Boree-Cudal pool, Manildra pool, Eugowra pool.

Tweed-Murwillumbah pool.

Wentworth-Wentworth pool.

Blue Mountains-Buttenshaw Park pool, Springwoodtenders only.

Namoi-Boggabri pool.

Kiama—Jamberoo pool.

Cudgegong—Gulgong pool—advice.

Cobar—Cobar pool.

Tallagandra—Braidwood pool.

Macleay-Lower Macleay Memorial Baths.

Berrigan-Berrigan pool, Finley pool.

Lake Macquarie-Speers Point pool.

Carrathool-Hillston pool.

Eurobodalla-Moruya pool.

Narromine-Narromine pool.

Newcastle-Lambton Park pool.

Ashfield-Baily Park pool, Croydon.

Gloucester-Advice.

Barraba—Barraba pool—advice.

Denistone East Public School-

Loftus Street Public School-

Drainage-

Fairfield-Yennora, Bellingers Drain, Stubbs Estate and Wrentmore Street.

Cessnock—Daniel and Francis Streets, West Av Kurri Kurri, Hampden, Brunker and Allsv Streets, Weston No. 1 scheme, Stephen Street.

#### HARBOURS AND RIVERS SECTION

Preparation of Specifications:-

Hunter Valley Flood Mitigation-Oakhampton penstock tower.

Newcastle Harbour-Reclamation of Islands-Foundation boring.

Bonnie Vale-Tipped stone sea wall.

Dredge Service—Shore pipe line details. Pont Floating pipe line details. Telescopic pipes.

Review of Designs-

Richmond River Flood Mitigation-Wyrallah-Tickle's Creek. Floodgate No. 1 Keith Hall Arm.

Macleay River Flood Mitigation-Christmas Creek. Clarence River Flood Mitigation-Camp Creek Arm.

Work in hand but not completed:-

Hunter Valley Flood Mitigation—Oakhampton Drain, Stage 2. Floodgates at Albion Drain. Floodgate No. 1 Drain, Swan Reach. Floodgate No. 2 Drain, Swan Reach. Farm crossings Drains 5 and 6, Esk-dale Swamp. Maitland cribbing. Phoenix Park gate modification.

State Dockyard-Southern fitting out berth.

Port Kembla—Coal loading jetty, fendering and services. Inner Harbour—Co-ordination.

Newcastle Harbour—Rock removal contract.

(a) Rock areas—Co-ordination.

(b) Rock areas—Plotting jettings to rock.

Throsby Basin berths 1 and 2.

## APPENDIX VIII

#### SURVEY AND SURVEY DRAFTING

#### FUNCTIONS

The functions of the Branch are-

- (1) surveying and survey drafting for the Department and other government instrumentalities;
- (2) the custody of Engineering plans and the printing and mounting of plans;
- (3) recording all actions affecting land owned or being acquired by the department, e.g., resumptions, easements, reservations, purchases, sales and leases of surplus land and any other circumstance affecting departmental land;
- (4) checking, on behalf of the Department of Local Government, plans and descriptions submitted by the local government bodies in connection with the acquisition of land;
- (5) preparation of descriptions of amendments to local government boundaries and the recording of same; preparation of descriptions for the proclamation of residential areas, brick areas, urban areas, etc., and recording thereof;
- (6) the Principal Surveyor administers matters in connection with the acquisition control and disposal of departmental land, and is responsible for the implementation of the Survey Co-ordination Act, 1949, insofar as it affects the Department.

#### **OPERATIONS**

#### Survey

All classes of surveys have been carried out for the Department, other government instrumentalities and local governing bodies.

Details of the work performed are as follows:-

Water Supply—Engineering surveys for Berrima (Medway Scheme (3)), Emu Plains, Tea Gardens and The Entrance.

Land Matters Surveys for Berrima—Moss Vale (7), Bulahdelah, Camden Haven, Clarencetown, Fish River, Gunning, Reid's Flat, Rye Park, The Entrance and Yeoval.

Sewerage—Engineering surveys for Bellingen, Blayney, Braidwood, Gloucester, Jugiong, Lawson (3), Peat and Milson Island, South Tamworth, Taree (2), and Tweed Heads.

Land Matters surveys for—Blayney, Coonamble, Lawson, Mullumbimby and Portland.

Stormwater Drainage—Engineering survey at Cook's River.

Harbours and Rivers—Hydrographic surveys at Berkeley, Blackwall Channel, Coff's Harbour, Cook's River, Fisherman's Bay, Forster, Macleay River, Newcastle, Patonga, Sandon River, Tweed River, Ulladulla, Wooli River.

Flood Mitigation Surveys at-Maitland (3) and Macleay River.

Engineering survey at The Islands.

Land Matters Survey at Port Kembla (2) and Newcastle.

Departmental Buildings—Engineering surveys for Commonwealth—State Law Courts (2), Conservatorium of Music, State Government Offices (4).

Land matters surveys for—Australian Museum, Conservatorium of Music, Lismore Public Works, State Government Offices (2).

P 13919-5

Height of Building Act-A.M.P. Building.

Sales, Purchase, Leases—Land matters surveys at Goulburn, Grafton, Newcastle (2), Port Kembla (4), Tamworth and Wollongong.

Hospitals—Engineering surveys at Mona Vale (3), Morisset, Rydalmere, Land matters surveys at Graythwaite, Macleay District, Port Kembla, Rozelle.

Education—Engineering surveys (details, contours and sewerage) of sites for high schools at Asquith, Birrong, Bourke, Cardiff, Caringbah, Castle Hill, Cronulla, Doonside, Emu Plains, Fairfield West, Forbes North, J. J. Cahill Memorial, Katoomba, Lithgow, Manilla, Manly Vale, May Villa, Moss Vale, Mt. Austin, Mt. Druitt, Peakhurst Heights, Peakhurst South, Scone, St. Marys, Swansea, Sydney Boys, Wallsend West (2), Warner's Bay, primary schools at Bass Hill, Baulkham Hills, Greystanes, Gulgong, Manildra, Matraville South, Normanhurst, Thornleigh, Windsor South and technical colleges at Eastern Suburbs, Gymea, North Sydney, Shortland.

Land matters surveys for high schools at Avalon, Caringbah, Castle Hill, Cronulla, Doonside, French's Forest, Mona Vale, Pendle Hill, Port Macquarie (4), St. Mary's, Swansea, Wallsend West, Woonona, Young, Wallsend; primary schools at Albion Park, Bellevue, Blacktown (3), Blaxland (3), Bletchington, Cabramatta, Carlingford South, Cronulla South, Ellimeak, Epping West, Ermington West, Hornsby North, Ingleburn, Kendall, Leumeah, Lower Portland, Lowlands, Mallam, Merewether Heights, Mt. Druitt, Mt. Pritchard (2), Narara, Neringundah, Orange East, Peat's Ridge, Pennant Hills, Prospect, Toongabbie, Tooraweenah, Turramurra, Turramurra South, Vineyard, Wallerawang, Warialda, Warilla, Werrington, Wyrallah Road and University of New South Wales at Shortland.

Existing sites were pegged out for high schools at Armidale, Asquith, Blacktown, Canterbury, Cronulla, Dapto, Fairfield, Forbes North, Hunter's Hill, Lithgow, Maroubra Bay, Narrandera, Northmead, Riverstone Co-Educational, Sydney Boys', for public schools at Ashcroft (2), Balgowlah North, Blacktown West, Blacktown, Cabramatta, Castle Hill, Eastwood Heights, Ermington West, Gordon, Helensburgh, Hornsby South, Ingleburn East, Kegworth, Kellyville, Kempsey West (2), Kingswood, Kogarah, Lake Macquarie, Lindfield, Lindfield East, Liverpool, Loftus, Marayong, Marrickville South, Matraville South, Merrylands West, Narrabeen, Nelson's Bay, Panania North, Parramatta North, Peakhurst Heights, Penrith South, Prospect, Riverwood, Ryde North, Stanmore, Thalgarrah, Thornleigh, Windang, Woronora, Yowie Bay and for a teachers' college at Wollongong.

Police Premises—Surveys for the acquisition of sites at Broken Hill, Gloucester and Tooraweenah. Peg-outs and identification surveys of existing sites at Blayney, Canowindra, Casino, Engadine, Gunnedah and Wollongong.

Court Houses-at Newcastle (details and peg-out).

Agriculture Department—Survey for lease of Macquarie Fields House.

Aboriginal Reserve-Survey for sewerage at Moree.

Electricity Commission—Hydrographic survey at Munmorah.

Local Government—Engineering surveys for swimming pools at Ashton Park and Government House, bridge over Camden Haven River at Laurieton.

#### SUMMARY OF SURVEYS

	Engineering	Land
Water Supply	6	16
Sewerage	13	5
Stormwater Drainage	1	
Harbours and Rivers	18	3 -
Departmental Buildings	7	5
Heights of Building Act	-	1
Sales, Purchases, Leases	est <del>-</del> ulifor	10
Hospitals	5	4
Schools	42	121
Police Premises and Court Houses	1	10
Agriculture Department	_	1
Aboriginal Reserve	1	_
Electricity Commission	1	_
Local Government	3	-
	98	176
	The state of the s	-

#### Survey Drafting

Survey drafting and recording were carried out in connection with the following works of the Department, other governmental instrumentalities and local-government bodies:—

Water Supply—Berrima, Dubbo, The Entrance, Fish River, Merriwa, Leeton.

Sewerage—Bellingen, Blayney, Batlow, Gloucester, Lawson, Tamworth, Taree, Greystanes Co-Educational High School, May Villa High School, Mona Vale District Hospital, Peat and Milson Island Psychiatric Hospital and Moree Aboriginal Station.

Harbours and Rivers—Coff's Harbour, Newcastle, Port Hacking, Sandon River, Tweed River, Ulladulla Harbour, Nambucca River Hydrographic Surveys; Cook's River Dredging; Ulladulla Harbour, Port Kembla Inner Harbour and Tweed Harbour Works; Clarence River, Hawkesbury River, Macleay River, Shoalhaven River and Hunter Valley Flood Mitigation.

Hospitals—Contour and detail plans for Sydney Hospital and Telephone Cable Route plan for Morisset Psychiatric Hospital were prepared.

Schools—Contour, detail and sectional plans were prepared for Baulkham Hills Primary, Birrong Boys' High, Bourke High, Casino High, Cardiff High, Castle Hill High, Ashton Park Public, Bass Hill Public, Denison Public, Emu Plains Public, Fairfield Secondary, Forbes High, Gilgandra High, Grafton South High, Katoomba High, Lithgow High, Moss Vale High, Manilla Intermediate High, Mt. Druitt High, Narrandera High, Nerrigundah Public, South Strathfield High, Sydney Technical High, Swansea Secondary, Scone High, Warner's Bay High, Windsor South Public, Woonona High and Wallsend West High Schools; Eastern Suburbs Technical College, Gymea Technical College, North Sydney Technical College, Thornleigh Girls' Training School.

Swamp Drainage—Plans were prepared in connection with Hexham and Chilcott's Creek Swamp Drainage.

Drainage—Plans and sections were prepared in connection with Cronulla High School and St. Mary's High School.

Roads—Plans and sections were prepared in connection with Camden Haven Bridge site, Caringbah High School, Mona Vale District Hospital, Newcastle (Reclamation of the Islands) and Rydalmere Psychiatric Hospital.

Miscellaneous—Contour plan for Newcastle Court House, development plan for University of N.S.W., and plans for annexure to Port Kembla Inner Harbour Act were prepared.

Local Government—100 descriptions were prepared for the alteration of internal and external boundaries in respect of 31 shires and municipalities, 26 descriptions were prepared for the proclamation of Urban and Building areas and 101 descriptions were prepared of residential districts. A considerable number of illustrative plans and sketches was prepared in connection with this work.

Town Planning—Investigations were made into the effect of town planning on State-owned properties within the Municipalities of Willoughby, Camden and Bega, the City of Parramatta (Rydalmere Golf Course scheme), County of Cumberland (Greenbelt re-zoning at Rooty Hill), City of Wagga Wagga and Illawarra District.

Search and Investigation—Information was obtained in respect of legal and land matters in connection with departmental and Local Government resumptions, for the disposal or lease of departmental properties and for the surveys of water supply and sewerage schemes, school sites, hydrographic surveys and departmental investigations generally. 505 Certificates of Identity and 16 Technical Descriptions for Release were prepared, 1,094 search and survey investigations were dealt with.

General Drafting—A total of 327 plans were drawn for resumptions, easements, appropriations, sales, purchases, leases, etc. 234 applications for resumption of land under the provisions of the Local Government Act were referred to the branch for examination of the accompanying plans and descriptions. 241 plans submitted with applications for resumption for the Electricity Commission were examined. 247 applications for resumption by the Electricity Commission were prepared for gazettal. 199 drawings, plans, sections, etc., were prepared in connection with engineering works generally; a total of 756 descriptions for resumptions, sales and leases were prepared, inscriptions were made on 114 qualification certificates issued by the Local Government Examination Committee.

#### SUMMARY

	Engineering survey plans	
Water Supply	. 35	19
Sewerage	. 48	13
Harbours and Rivers		6
Hospitals	. 2	21
Schools	. 33	111
River Murray Waters Act .	. –	4
Swamp Drainage	. 2	
Roads		-
Miscellaneous	. 3	27
Local Government	. —	63
Police and Court House		22
Flood Mitigation	. 21	
Stormwater Drainage	. 4	gate weigh
Staff Housing	-	41
	199	327
Local Government—		- 1777-0-6
Alteration of boundaries		. 100
Urban and building areas		. 26
Urban and building areas Residential districts		
Search and Investigations—		
Certificates of Identity		505
Technical descriptions		

## PLAN PRINTING AND MOUNTING

In addition to this Department's requirements, plan printing and mounting services were carried out for the Departments of Agriculture, Attorney-General and Justice, Chief Secretary, Education, Federal Taxation, Health, Interior, Labour and Industry, Lands, Land Tax, Local Government, Main Roads, Mines, Postmaster-General, Police, Premier, Registrar-General, Technical Education and Valuer-General and for the Australian Museum, Conservatorium of Music, Commonwealth Scientific and Industrial Research Organisation, Electricity Authority, Electricity Commission, Forestry Commission, Government Printer, Housing Commission, Maritime Services Board, Mitchell Library, Registrar of Co-operative Societies, Rent Control Office, Soil Conservation Service, Stamp Duties Office, State Superannuation Board, Teachers' College, and for various municipal and shire councils.

#### SUMMARY

Helios (paper)	131,685
Helios (sensitised linen and copymaster)	1,094
Mounts	6,389
Field camera negatives	4,209
Field camera prints	8,164
Barcro negatives	2,413
Barcro positives	9,357
35 m.m. microfilm negatives	11,422
35 m.m. microfilm prints	1,903
35 m.m. microfilm rolls of film	20
16 m.m. microfilm negatives	524,942
16 m.m. photocopy prints	39,530
16 m.m. microfilm rolls of film	207

The daily output of all negatives and prints was 2,964.

Of the 16 m.m. negatives prepared, approximately 500,756 were of records of other departments and instrumentalities for convenient storage.

#### Plan Room

Plans registered		1,463
Field and level	books registered	300
Plans and books	issued and returned	27,200

## REPRESENTATION ON COMMITTEES

Surveying Advisory Panel-University of N.S.W.

Surveying Certificate Course Advisory Committee—Sydney Technical College.

Land and Engineering Survey Draftsman's Course—Sydney Technical College.

State Mapping Advisory Committee.

#### GENERAL

Administrative work was performed in connection with the acquisition of land, the sales, leases and various forms of tenancies of departmental properties and advice was given to a number of councils concerning the procedure for acquiring the lands and easements necessary for water supply and sewerage works.

Several town planning schemes were examined with respect to their effect on Crown properties and representations were made in some cases with a view to effecting re-zoning of certain lands

## APPENDIX IX

#### STORES BRANCH

#### FUNCTIONS

The functions of the Stores Branch are:-

- (1) Purchase of goods, materials, plant and equipment required by the Department;
- (2) all incidental work associated with (1), such as arranging import licences, customs entries, customs duty, etc.;
- (3) administration of the Department's store and engineering workshop at Leichhardt;
- (4) inspection of pipes (cast iron, fibrolite, steel, earthenware, etc.), fittings, valves, fabricated steelwork and other inspections associated with the metal trades;
- (5) preparation and despatch of samples of cement at the various cement works for testing and the release and despatch of tested cement;
- (6) issuing and recording postage and railway stamps for departmental purposes;
- (7) arranging insurance except that in respect of workers' compensation and motor vehicles;
- (8) supervision of Head Office motor cars and vehicles:
- (9) hire of owner-driven lorries and utilities in the metropolitan area.

#### **OPERATIONS**

#### Purchasing

There was an increase in the volume of work associated with the purchase of materials, etc., caused in part by the Department becoming responsible for the initial equipping of State Psychiatric Institutions and Child Welfare establishments.

#### SUMMARY OF OPERATIONS

Head	Offi	Ce_

Number of requisitions received  Number of orders issued  Number of quotations received	16,373 15,870 1,450
Leichhardt Depot—	£
Value of stock purchased	384,257
Value of stock issued	418,822 240,390

#### Inspection

#### GENERALLY

The Branch has 13 inspectors employed at:-

Head Office (2)—General inspections, steelwork, cranes,

etc.
Port Kembla (3)—Cast iron pipes and specials.

Camellia (3)—Fibrolite pipes and specials.

Leichhardt Depot (1)—Earthenware and concrete pipes.

Newcastle (2)—Valves, cast iron pipes and specials, steel, earthenware and reinforced concrete pipes.

Regents Park (2)—Steel pipes for Fish River Water

Supply.

Inspections continued to be made for this and other State departments, local government bodies and public companies. Inspections were also undertaken for interstate authorities.

Fibrolite pipes tested at Camellia were:-

Tested Rejected		 	3,734,245 117,964	feet feet
Total ac	cepted	 	3,616,281	feet

This was a reduction of 307,991 feet over the number accepted in 1960-1961. 6,029 special castings and sewer fittings were tested.

17,364 tons of spun pipes, 4,764 tons of mild steel piling bar and 44 tons of special castings were inspected at Port Kembla. Overall activities at this centre showed a marked increase.

The major inspection work at Newcastle involved 1,252 stop valves, 6,426 special castings, 13,396 feet of mild steel pipe, 16,236 feet glazed earthenware pipes, 7,200 feet concrete pipe, 2,085 specials and miscellaneous earthenware and reinforced concrete fittings.

188,050 feet of earthenware pipes, 31,690 earthenware junctions and 35,570 feet of reinforced concrete pipes were inspected in the metropolitan area. 72 reinforced concrete fittings, 1,674 miscerdaneous items (manhole covers, etc.), and 560 feet of reinforced concrete vent shaft were also inspected.

Several important new assignments carried out were:

Inspection at a new manufacturing plant at Regents Park of mild steel pipes and specials for the Fish River Water Supply Scheme and two municipal council projects. During the year 75,674 feet of piping was passed as satisfactory.

Another new plant at Tamworth manufacturing reinforced concrete sewer pipes required inspection, 58,968 feet of pipes and 1,797 junctions being tested and accepted.

Inspection was also carried out of fabrication of steelwork for the Robert White Bridge at Lismore and prestressed rein-forced concrete beams for Hastings River Bridge.

Inspection fees totalled £27,727, an increase of approximately 28 per cent.

#### CEMENT

Officers are located at the various cement works to take samples of cement submitted for testing and release to various consumers when approved. Two inspectors are employed on two shifts at the works of the Southern Portland Cement Company at Berrima, one inspector covers both Kandos and Charbon works which are only three miles apart, and one inspector each is located at Portland and Maldon.

#### LEICHHARDT DEPOT

The overhaul of the Department's No. 1 Plant and the mechanical maintenance of equipment in Government Insti-

The workshop again carried out many large fabricated steel-work jobs, the more important being:—

- (1) The manufacture of large quantities of mild steel roof trusses and stanchions plus the necessary balustrading
- for new school classrooms; the manufacture of numerous mild steel fabrications for additions and alterations to public buildings.

The store continued to supply departmental branches, works and projects with a wide range of materials required in the course of the Department's activities.

The financial operations of the Depot are shown in Appen-

#### CAR SERVICE

The Branch operates a fleet of nine motor cars with eight drivers which are retained for the use of departmental officers in the metropolitan area. Additional cars are hired from the contractor when required.

#### REPRESENTATION ON COMMITTEES

State Contracts Control Board.

## APPENDIX X

#### **TESTING AND INSPECTION**

#### **FUNCTIONS**

The Testing Branch provides facilities for testing all types of building materials, for State, Commonwealth and Local Government authorities and for the public generally.

The functions of the Branch are:-

- (1) The physical and chemical testing of all classes of cement, bricks, building blocks, roofing tiles, concrete pipes sections and all classes of dampcourse.
- (2) The physical testing of steel wire rope, wire, steel pipes and fittings and structural steel products and other metals.
- (3) The design and testing of concrete.
- (4) Sieve analysis of sand, metal and other aggregate.
- (5) The chemical analysis of water, clay, coke, soil, paint, mortar, fibrous plaster, coal and other materials.

#### **OPERATIONS**

#### **Details of Testing**

#### CEMENT TESTING

924 certificates covering the testing and analysis of 3,558,000 bags of cement were issued to cement manufacturers. The decrease of approximately 32 per cent. was brought about by the decrease in tested cement requirements for the Warragamba Dam project and the Snowy Mountains Hydro-Electric Authority. In addition, clients other than cement manufacturers submitted 73 samples of cement for testing. Fees charged for this work amounted to £27,429 5s. 6d.

INSPECTION FEES FOR SYDNEY, NEWCASTLE AND PORT KEMBLA

The fees charged for inspection of steel, concrete, fibro and earthenware pipes and fittings by Stores Branch Inspectors were:—

	1960-61		1961-62			
Sydney Port Kembla Newcastle	10,939 6,996 3,649	7	d. 7 8 6	15,107 8,006 4,613	15	10
	£24,585	0	9	£27,727	9	4

The increase in fees was derived from an expansion in inspections for projects as undermentioned:—

Sydney inspections—

Fish River Water Supply Scheme, The Orange City Council and the Shoalhaven Shire Council.

Newcastle inspections-

Taree, Kempsey, Coonabarabran and Mullumbimby Sewerage Works. Port Kembla inspections—

Lower Clarence Water Supply Scheme, and

The Octagonal steel piles for the Coal Loader
Berth,
Port Kembla Inner Harbour.

#### SUMMARY

Particulars of Service	Number of Tests	Fee	es	
		£	s.	d.
Cement tested for Cement Companies.	3,558,000 bags	27,429	5	6
Steelworks inspections as pre- viously detailed		27,727	9	4
Compression tests of concrete	1			
cylinders, cubes, etc Tensile, bend impact, and other tests carried out on steel, wire	10,826			
rope, bolts and nuts, etc Other chemical tests, analysis of	736 }	19,070	10	1
mortar, clay, sand, etc Compression absorption and	230			
other tests of bricks, tiles, concrete building blocks, etc	1,051			
		£74,227	4	11

#### FINANCIAL

Details of the financial operations of the Branch are shown in Appendix I.

#### REPRESENTATION ON COMMITTEES

National Association of Testing Authorities.

Cement Sectional Committee, Standards Association of Australia.

Paint Testing Sub-Committee, Standards Association of Australia,

Committee on Galvanised Products, Standards Association of Australia.

Committee on Bitumen and Roadmaking, Standards Association of Australia.

## APPENDIX XI

### PLANT

#### FUNCTIONS

The functions of the Plant Branch include:-

- (a) responsibility for the acquisition, use, movement, repair and maintenance of all No. 1 Plant held by the Department:
- (b) advice to other branches as to suitability of equipment for specific requirements;
- (c) inspection of plant in operation and advice on use and maintenance; and
- (d) disposal of obsolete plant and replacement as required.

#### **OPERATIONS**

#### New Plant and Equipment

The branch specified and acquired plant to a value of £210,018 for items included in the category of "A" classification plant. In addition, purchases of plant were carried out under "C" classification heading to the value of approximately £56,000. "A" classification plant is under the control of the Plant Engineer for use where required; "C" classification plant is plant allocated direct to a project and charged thereto. The major items of equipment included in these purchases are shown hereunder:—

"A" Class No. 1 Plant—	Cost
14 tractors 2 H.D. loaders 2½-3 cubic yards 8 compressors 2 dump trucks 7½ cubic yards 2 graders 17 vibrators (elect. and pneum.) 4 rock drills 1 digger (hydraulic) 3 rollers 6 concrete mixers 4 welding sets 5 pumps 4 saws 12 paving breakers 5 descaling pistols 1 air motor 2 emulsion sprayers 4 hydraulic jacks 1 rotary screed 4 tampers, backfill 1 boat 2 electric drills	51,960 29,987 20,420 16,450 11,540 4,106 3,371 2,090 1,823 1,566 1,554 1,445 792 762 456 372 370 366 310 232 215 65
Motor vehicles	£150,252 59,766
	£210,018
"C" Class Other Projects—  Construction equipment Workshop equipment Miscellaneous equipment Motor vehicles	Cost £ 25,419 6,097 3,565 20,815
	255,050

#### TECHNICAL SERVICES TO BRANCHES

#### Water Supply and Sewerage Branch

Plant requirements for new water supply and sewerage works were fulfilled, and constant liaison was maintained with all projects to ensure that proper use and maintenance were effected.

### Harbours and Rivers Branch

Plant was issued to new construction works at Tweed Heads and Ulladulla, and, in addition, continual liaison was maintained with existing harbour works projects at Newcastle, Port Kembla, Evans Heads and Clarence Harbour Works.

Assistance has been given by this branch in connection with the contract for the supply of coal handling plant at Port Kembla, as part of the new Inner Harbour Construction, and this co-operation is continuing on work connected with manufacture, testing and installation of this important equipment.

#### Building Construction and Maintenance Branch

Plant and equipment was purchased for the Building Construction and Maintenance branch commensurate with increased activity on building construction works for the Education Department and others, and all plant requirements have been fulfilled. Inspection and technical assistance was continued and has continued the good relationship with this Branch.

#### State Brickworks

New plant items for quarry operation were obtained and installed and consultative advice given as required.

#### Scientific Instrument Section

This section maintained technical and advisory assistance to the Department and continued to extend its activities to other State Departments in respect of service and repairs to instruments

A considerable number of commemorative plaques were supplied as required during the year.

The overall standard of instrument holdings has improved steadily during the past several years.

## Hire of Plant to Other Authorities

Items of plant were hired to other State Departments or Instrumentalities and to Local Government bodies as required, in terms of the Interdepartmental Schedule.

## REPRESENTATION ON COMMITTEES

The Plant Engineer is represented on the following committees:—

State Plant Committee.

Motor Vehicle Committee.
Riggers and Scaffolding Advisory Committee.
Oils and Lubricants Committee.
Standards Association of Australia—various committees.

#### FINANCIAL

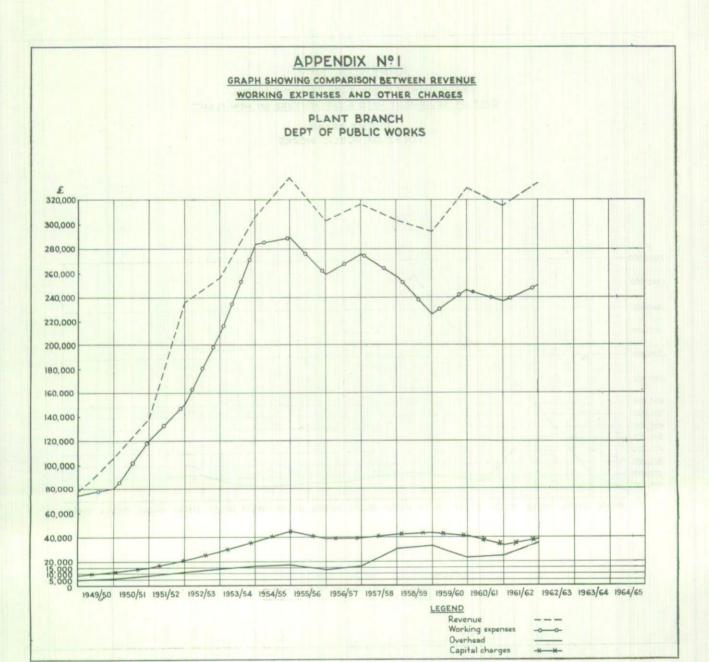
The following is a comparison between current and previous years for the No. 1 Plant Control Account.

	1958–59	1959-60	1960-61	1961-62				
Revenue	£ 293,454 227,084 32,880 43,367	£ 329,998 246,060 23,198 41,325	£ 315,350 236,714 24,837 33,427	£ 333,427 250,346 38,150 35,140				
Capital costs of equipment held	1,292,065	1,279,021	1,266,131	1,384,648				

Details of the financial operations of the branch are shown in Appendix I.

The following graphs show:-

- (1) a comparison between revenue working expenses and other charges since the financial year 1949-50; and
- (2) the capital cost of equipment held and the expenditure on new plant for the same period.

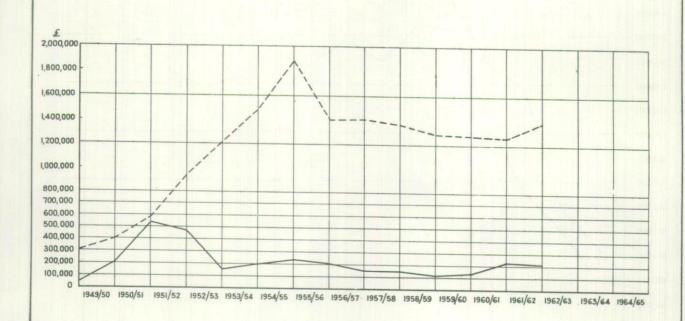


## APPENDIX Nº 2

GRAPH SHOWING COMPARISON BETWEEN CAPITAL

COST OF EQUIPMENT HELD & EXPENDITURE ON NEW PLANT

PLANT BRANCH DEPT OF PUBLIC WORKS



LEGEND

Capital cost of equipment held ————
Expenditure on new plant

## APPENDIX XII

#### STATE DOCKYARD

#### **FUNCTIONS**

The State Dockyard, Newcastle, was established by the New South Wales Government Engineering and Shipbuilding Undertaking Act, 1943, which empowered the Undertaking to do all types of engineering, shipbuilding, ship repair, docking and work of an incidental character.

#### **OPERATIONS**

#### **Additional Facilities**

Buildings—Work was completed on the 320-feet extension of the Shipyard Trades Building for use as a boiler and steel fabrication shop.

Extension to the Administrative Building by way of a third floor on the eastern wing was commenced.

Work was commenced on widening No. 3 Building Berth to give 100-ft. width, and an additional 40-ton Portal type travelling jib crane was ordered to ensure adequate craneage facilities for this longer berth.

Plant and Machinery—Additional plant provided included a 5-ton electric overhead crane, a diesel engine test bed, a plate-cleaning machine, a compressor and a dynamometer.

#### Vessels under Construction

Australian Shipbuilding Board—Yard No. 68—Work continued on a single-screw diesel-driven lighthouse supply vessel of approximately 2,500 tons gross for the Commonwealth Lighthouse Service, launched 28th May and nearing completion, and preliminary work commenced on another similar vessel for the same Authority in Yard No. 70 whilst work proceeded on another similar vessel in Yard No. 69.

Yard No. 72—Work commenced on a single-screw diesel container vessel for McIlwraith McEacharn Ltd. of approximately 5,750 tons gross.

Royal Australian Navy—Yard No. 71—Work commenced on a twin-screw diesel-electric survey vessel of approximately 3,000 tons gross.

Department of Public Works—Yard No. 63—Work proceeded on a bucket dredge of 46-60 feet dredging depth for the Department of Public Works. The work is nearing completion.

### Vessels Completed and Handed Over for Service

A single screw diesel driven cargo vessel of 2,000 tons d.w. capacity for William Holyman & Sons Pty. Ltd. to the order of the Australian Shipbuilding Board.

A hopper barge of 700 tons capacity for the Department.

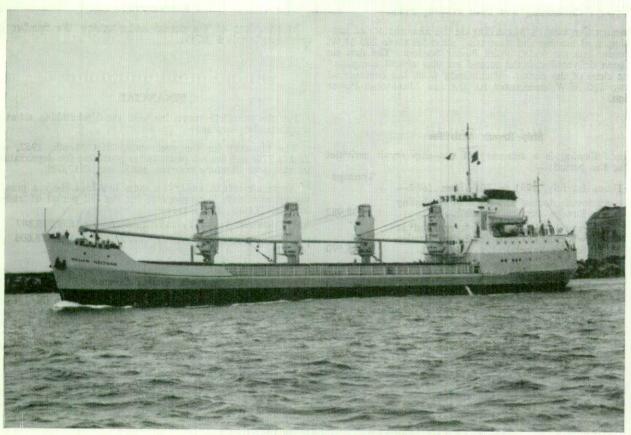
Ship construction activities since the inception of the Dockyard in March, 1942, to the 30th June, 1962, are:—

54 vessels have been constructed and are in service; 6 vessels are under construction.

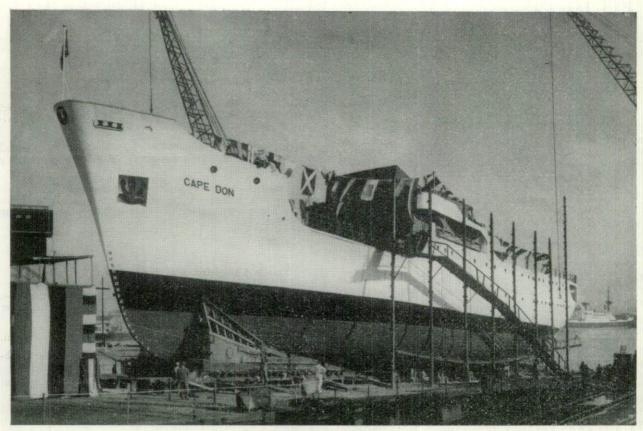
## Marine and General Engineering

Work proceeded in connection with the manufacture of 3 "Australian Polar" M.65.T diesel marine engines of 2,000 b.h.p. at 250 r.p.m. for installation in the 3 lighthouse supply vessels under construction, one engine being close to completion for installation in the *Cape Don*, launched in May.

Other engineering work completed or in progress at the end of the year included spiral casings for Barron Gorge Hydro-Electric Power Station, cement kiln tyres for Noyes



M.V. "William Holyman" Proceeding on Trials



Lighthouse Service Vessel "Cape Don" ready for Launching

Bros. Limited, double furnace pusher, furnace delivery table and furnace charging table for Australian Iron & Steel Limited.

In addition, a considerable volume of heavy engineering and steel fabrication work was carried out to meet the requirements of industry generally.

## Condensing and Feed Heating Plant

Construction work is proceeding on the manufacture of condensing, feed heating and deaerating plant for three 200 M.W. alternator sets for Vale's Point Power Station. The first set has been delivered and the second set was almost completed at the close of the period. Preliminary work has commenced on two 300 M.W. condensors for the new Munmorah Power Station.

## Ship Repair Activities

The following is a summary of the ship repair activities during the period:—

From 1st July, 1961 to 30th June, 1962—	Tomage
69 vessels docked and repaired (including Dredge Service vessels	338,982
358 vessels not docked but repaired at wharves and slips (excluding Dredge Service vessels)	1,925,570
Repairs on Dredge Service vessels (excluding dockings)	169
From the inception to 30th June, 1962-	
1,686 vessels docked and repaired (including Dredge Service vessels)	6,978,747
5,478 vessels not docked but repaired at wharves and slips (excluding Dredge Service vessels)	21,477,658
Canada Ca	, , , , , , ,

The major contracts undertaken for the twelve months' period 1st July, 1961, to 30th June, 1962, were in respect of:—

Lake Torrens, Iron Yampi, Straat Madura, Iron Wyndham, Bilkurra, Lake Boga, Stanvac Pretoria, Chakrata, Lake Illawarra, Chakdina, Stanvac Singapore, Iron Duke.

#### **EMPLOYEES**

At the close of the period under review the number of employees totalled 1,789.

#### FINANCIAL

For the twentieth successive year the Undertaking returned a substantial surplus.

The turnover for the year ended 31st March, 1962, was £3,836,770, and the net profit (after providing for depreciation, interest and statutory reserves, etc.), was £317,049.

Aggregate results under the same headings (before providing for dividends to employees) for the full period of trading to 31st March, 1962, are:—

Turnover	 £38,833,887
Net profit	 £2,688,606

#### **Profit Sharing Scheme**

An amount of £188,459 has been set aside from the 1961-62 profits for payment of weekly dividends during the year 1962-63. It is expected that the average dividend rate for tradesmen will exceed £2 0s. 0d. per week. The total amount set aside for distribution since the commencement of the scheme in 1951 is £1,352,545.

## APPENDIX XIII

#### STATE BRICKWORKS

#### **FUNCTIONS**

The re-establishment of the State Brickworks was authorised by the State Brickworks Act No. 16 of 1946. The functions of the brickworks include the production, manufacture, distribution and sale of all classes of bricks and any work or activity incidental or supplementary thereto.

#### **OPERATIONS**

There was a net profit of £90,975 after making adequate provision for liabilities such as interest on capital, depreciation of capital assets accrued, repairs and maintenance and leave due to employees. This result was lower by £28,411 on the previous year's operations, the difference being attributable to increases in manufacturing expenses, a decrease in sales and damage to bricks during handling. A strike of employees in October, 1961, would have also had some effect in the overall result.

Among the factors leading to an increase in manufacturing expenses were the abnormally heavy rain in November, 1961, and the need to store bricks.

During the year an extensive programme was instituted to remedy kiln leaks and the expenditure incurred in this work together with the painting of buildings and structures increased the cost for repairs and maintenance.

#### Trading and Administration

Road tax levied on the cartage of bricks, which private brick manufacturers charge to customers, cost the Undertaking £5,022 for the twelve months.

A supervision rate for bricks carted and charged against the brick cartage contractors showed a revenue of £1,183 for the year after allowing for extra payment for cut brick handling and cartage adjustments.

Brick production for the year was maintained at a high level and bricks produced ex machines and sales made for each quarter are shown hereunder:

Quarter ended		produced schines	Sales		
4	Face	Commons	Face	Commons	
June, 1961 September, 1961 December, 1961 March, 1962	3,689,350 3,787,900 2,988,450 3,584,600	11,039,450 11,260,000 8,152,500 9,508,650	3,071,274 3 638,755 3,205,044 3,370,841	9,710,543 11,046,375 9,002,373 7,930,299	
	14,050,300	39,960,600	13,285,914	37,689,590	

The selling prices of bricks per 1,000 ex-yard varied during the year as shown:—

Period	1	Fac		Con	mmo	ns	
	£	S.	d.	£	S.		
st April, 1961, to 2nd May, 1961	20	1	0	15	2	0	
August, 1961, to 1st	20	2	0	15	3	0	
and August, 1961 to 31st October, 1961	20	3	6	15	4	6	
6th February, 1962	20	3	0	15	4	0	
7th February, 1962 to 31st March, 1962	20	2	6	15	3	6	

The above prices were £1 17s. 0d. per 1,000 for face bricks and 12s. 0d. for common bricks below the trade rate and represented a saving of £48,500 to the Brickworks' customers. The rates undoubtedly have an effect on brick prices generally.

Capital assets as at 31st March, 1962, totalled £759,128 financed as to £504,720 from loan funds and as to £254,408 from Working Account. During the year £63,537 was expended from Working Account funds for capital works and £20,018 for plant, tools and office equipment. Repayments of £5,028 reduced the Capital Debt account to £379,720.

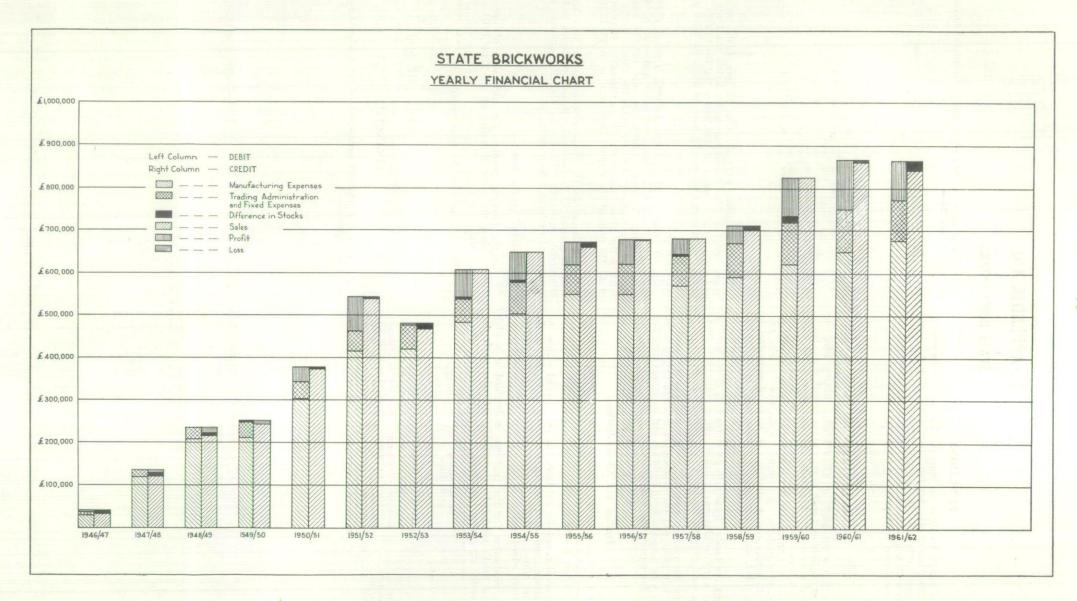
The personnel of the State Brickworks at 31st March, 1962, comprised 40 Public Service Board appointees and 400 Ministerial employees. There were also fifty contract brick carters and six hired vehicle drivers.

The attached graphs show:-

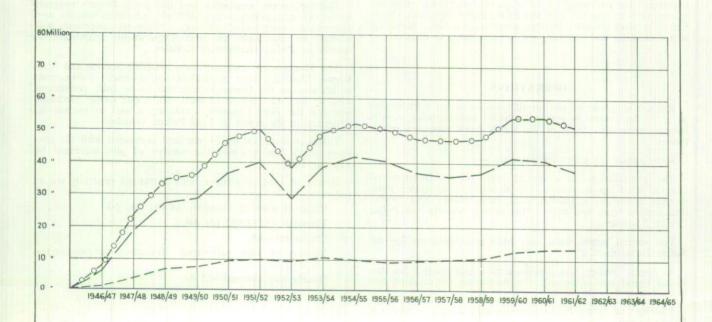
- (a) the financial position for each year of operation since the re-establishment of the State Brickworks.
- (b) bricks sold for the same period.

#### FINANCIAL

Details of the financial operations of the Undertaking are shown in Appendix I.



# STATE BRICKWORKS BRICK SALES CHART



Total Sales 0-0-0Sales of Common Bricks ---Sales of Face Bricks ----

## APPENDIX XIV

#### **GOVERNMENT MOTOR GARAGE**

#### **FUNCTIONS**

The Government Motor Garage was established for the sermaintenance and repair of motor vehicles used by State Government Departments.

The undertaking is divided into three workshop sections,

repair to motor cars and trucks;
 repairs to motor cycles and lawn mowers; and
 repairs to motor vehicle bodies and bodybuilding.

A comprehensive range of spare parts is carried in stock.

Services provided include major and minor repairs to almost every type of motor vehicle such as trucks, vans, cars, cycles and caravans. Lawn mowers, cultivators, tractors and launch engines are reconditioned and the conversion of utilities to small police patrol vans is carried out. Vehicles damaged in accidents (smash work) are repaired including privately owned vehicles insured with the Government Insurance Office. Other services include towing, greasing, washing, polishing, steam cleaning and reporting on vehicles prior to disposal.

#### **OPERATIONS**

Repairs were carried out on all types of motor vehicles and as it is the policy to replace vehicles before major repairs become necessary, much of the repair work was of a minor

Some special jobs carried out were:-

The construction of a special body on an International chassis, fitted up in such a way to carry a deflatable boat, oxygen cylinders, a ladder, dual petrol tanks and towing attachments front and rear. This vehicle was for the Police Diving Section.

Ten special patrol vans were built and fitted up for the Police Department.

A special trailer was designed and constructed for the Police Flood Rescue Squad, with provisions for carrying two boats one above the other.

Making and fitting bunks, curtains and carpets to the new

A new activity was the reconditioning of Johnson outboard motor units for the Department of Civil Defence for flood rescue work.

The Garage's equipment is in good condition, new machines are constantly being investigated with a view to improving our methods of production. Owing to the installation of a new brake shoe grinder and brake drum lathe and redesigning of the brake repair section, brake relining is now more efficient.

New equipment purchased during the year was:-

Brake drum lathe and attachments.

Brake shoe grinder and attachments.

Cesco headlighter tester.

Electric metal cutter.

Pneumatic windscreen sealing gun.

Infra-red ray drying lamps for the paint shop.

Thirteen motor mechanics and five panel beaters resigned whilst two apprentices completed their Indentures and six new apprentices commenced service. Necessary overtime was worked on occasions, to meet Departments' requirements, mainly on Police Department vehicles.

The Management and staff have available Service and Auto Repair Manuals, both Australian and overseas publications which enables the Garage's personnel to be fully conversant with up to date methods of work whilst one motor mechanic attended the Ford Company's training school to receive interest that the contract Foldar vehicles. structions in the repair of Ford Falcon vehicles.

Turnover increased by 5½ per cent compared with the previous year's figures whilst the number of jobs increased by 11½ per cent.

Details of work in progress and operations generally are as follows:-

Value of work in progress-£4,401 10s. 6d.

Turnover-£137,332 14s. 6d.

Employees-65.

Number of jobs performed (including lubritorium)—13,723.

Hourly rate charged-£1 6s.

#### FINANCIAL

Details of the financial operations of the Undertaking are shown in Appendix I.

## APPENDIX XV

#### PERSONNEL MANAGEMENT

#### **FUNCTIONS**

The personnel functions of the Department comprise:-

The induction of new officers and employees; the planning and organisation of training programmes; counselling; dissemination of and advising on current personnel practice; liaison with the Public Service Board on personnel and employment matters; staff housing; staff welfare.

#### **OPERATIONS**

#### Induction

258 new officers and employees under the Public Service Act commenced duty in the Department during the year comprising 215 in Head Office and 43 in country offices. The total comprised 58 professional officers, 85 clerical, 43 general division, 51 apprentices and 21 University trainees. The induction also included 16 professional officers recruited from overseas who were met and welcomed and for whom accommodation arrangements were made.

#### Training

(a) The Higher Management Group met on seven occasions during the year and activities consisted of a film screening and discussions on Communications, addresses on Industrial Relations, Leadership, and Public Relations.

One member of the group attended the Australian Administrative Staff College. Two members attended the Residential Administrative Staff Conference and one other member a special course in Civil Engineering Construction Management arranged by the Institute of Administration at the University of New South Wales whilst sixteen senior officers from the professional and clerical divisions attended a special course in "Management Principles and Techniques" at the Sydney Technical College.

- (b) Apprenticeship Training Schemes—211 indentured apprentices are now employed in the various trades in metropolitan and country areas and the practice of commenting on term reports was continued. The special pilot study apprentices training scheme in fitting and machining at Leichhardt Depot has continued to operate smoothly.
- (c) Rotation of Assignments—Planned rotation of assignments for both permanent and temporary clerical officers was continued during the year. This is now an accepted part of the Department's training procedure and is proving a successful technique for increasing on-the-job efficiency.
- (d) Colombo Plan Students—Training facilities were provided for eight Fellows visiting Australia under the Colombo Plan. The Water Supply and Sewerage branch, Plant branch, Testing branch and Leichhardt Depot co-operated in the training.

(e) University Trainees—69 sponsored trainees are now attending full-time courses at the Universities. Numbers are as follows:—

Sydney University-

- 13 Architectural.
- 21 Engineering.
- 3 Science.

University of New South Wales-

- 10 Architectural.
- 17 Engineering.
- 5 Surveying.

Eight trainees graduated at the 1961 examinations.

(f) Part-time Courses—A total number of 153 officers of the Department are undertaking part-time courses of study, of whom 74 have been granted study leave concessions as laid down by the Public Service Board. Two cadets were awarded free training by the Board in part-time courses in Engineering and scholarships were awarded to three other officers. Free training in Explosives and Shotfiring through the Railways Institute was again provided for officers and employees, both in the metropolitan and country districts.

#### **Exit Interviews**

92 Officers of the professional and clerical division resigned during the year.

## **Housing Accommodation**

Through close liaison with the Government Real Estate Office, houses were allocated to thirteen unfavourably housed officers in country towns and one in the metropolitan area.

## Welfare and Staff Amenities

The various welfare and staff activities, which now number 19, promoted by the Department's Staff Association have been well patronised. The theatrette was used regularly during lunch hours for film screenings, orchestral recitals, choral recitals, and other recreational activities. The Speakers' Club, Bible Study Group, and the Photographic Society held regular meetings, the various sporting clubs arranged weekend activities and the Staff Association library was well patronised.

The Co-operative Credit Union has continued to progress. Membership now totals 507 and total assets exceed £60,000.

The departmental staff canteen continues to operate as a valuable staff amenity. The general appearance of the premises was improved considerably as a result of painting, repairs, and structural alterations, which were carried out during the year. New furniture was also provided.

