

**Engineering Association of New South Wales.**

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*Annual Report of Council*

— — and — — — —

*BALANCE SHEET*

— — — — for the — — — —

*Year Ending 30th September, 1910.*

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Your Council beg to present to you the Fortieth Annual Report for the year ending 30th September, 1910, showing the progress and work of the Association for the past year. During the Session just closed, the following twenty-two gentlemen were elected members of the Association, as follows:—

Member	Mr.	E. F. Boulton.
„	„	J. J. C. Brand.
„	„	J. H. Butters.
„	„	Henry Codd.
„	„	Alexr. J. Gibson.
„	„	A. H. Hasemer.
„	„	W. R. Little.
„	„	W. D. McCrea.
„	„	G. H. Royce.
„	„	A. F. Saunders.
„	„	A. P. Smith.
„	„	Charles Vyle.
„	„	W. R. Wright.

Student	Mr. C. R. Burton.
„	„ E. H. Closs.
„	„ Alexr. B. Davidson
„	„ E. S. Davidson.
„	„ J. K. Donaldson.
„	„ John Hamilton.
„	„ W. J. Lockhart.
„	„ G. Pauch.
„	„ T. N. Rowe.

And the following resignations were accepted, viz.:—

Mr. P. E. Boulton.
„ J. S. Dunsmore.
„ E. J. Hopkins.
„ J. Scoular.

Whilst the following gentleman ceased to be a member:—

Mr. Thomas R. Ions.

Your Council has to record with deep regret the loss by death of the following members:—

Mr. P. Hunter.
„ J. Laing.

The total number of members of the several grades is now 217, as compared with 202 at the close of last Session.

During the year 13 meetings of the Council have been held, the attendance at which was as follows:—

Edward J. Erskine, President . . . .	Attended 10 meetings
W. H. German, Vice-President ..	„ 10 „
James Macartney, Vice-President ..	„ 10 „
John Sands, Hon. Treasurer . . . .	„ 13 „
H. V. Ahrbecker, Hon. Secretary and Editor . . . . .	„ 9 „
Thos. Ferguson, Councillor . . . . .	„ 12 „
C. J. Holroyde, Councillor . . . . .	„ 9 „
Thos. Irons, Councillor . . . . .	„ 2 „

G. A. Julius, Councillor .....	Attended 10 meetings
James Kidd, Councillor .....	„ 9 „
R. R. King, Councillor .....	„ 4 „
Walter Reeks, Councillor .....	„ 12 „
Russell Sinclair, Councillor .....	„ 4 „
Robert Steel, Councillor .....	„ 11 „
James Shirra, <i>Ex-Officio Member</i> , <i>Past President</i> .....	„ 10 „

### PRIZES TO STUDENTS.

Not being considered of sufficient merit, the Council decided to allot only one prize of £2/2/—to Mr. G. N. Tregarthen for his paper on “Troubles Due to the Aeration of Water in Pumps.” The Council hope that there will be more energy shown next year in competition for these prizes.

The Council desire to express their thanks to the various members who have contributed papers during the Session.

During the year eight meetings—with an average attendance of 70 members—have been held, at which the following papers were read and discussed:—

Oct. 14: Discussion on Mr. Eric F. Boulton's paper on the “Commercial Motor Vehicle.”

March 10: The Annual Address delivered by the President, Mr. Edward J. Erskine.

April 14: Paper on “Pneumatic Tools,” by Mr. Arthur P. Smith.

May 12: Paper on “Notes upon Molasses Transport,” illustrated with lantern slides, by Mr. W. H. German.

June 9: Paper on “Rotary Engines,” illustrated with lantern slides, by Mr. R. J. Vincent.

July 14: Paper on "Growth of Algæ in Reservoirs and How to Treat It," by Mr. James Faulkner (communicated).

Paper on "Historical and Descriptive Notes on Lighthouses," illustrated with lantern slides, by Mr. James Shirra.

Aug. 11: Paper on "Notes on the Boiler Equipment and Working of a Modern Installation of 20 Boilers in a Sugar Refinery," illustrated with lantern slides, by Mr. James Kidd.

Sept. 8: Paper on "Gas Engines and the Determination of their Commercial Efficiency," illustrated with lantern slides, by Mr. G. A. Julius, B.Sc., M.E.

#### DEATH OF HIS MAJESTY KING EDWARD VII.

During the year the British Empire suffered the loss by death of His Majesty King Edward VII., and at the General Meeting held on May 12 a resolution was carried as under:—

"That the members of the Engineering Association of New South Wales desire most respectfully to convey, through His Excellency the State Governor, their sincere regret at the news of the death of His Late Majesty King Edward VII., and to express their deepest sympathy with the members of the Royal Family in their bereavement, and, further, to assert their unaltered loyalty to the Throne and to the present King, His Majesty George V., and that this resolution be forwarded to His Excellency the State Governor, under the Seal of the Association."

The terms of the resolution were conveyed through the proper channels, and in due course the following reply was received:—

“State Government House,  
Sydney, 21st May, 1910.

The President,  
Engineering Association of N.S.W.,  
5 Elizabeth St., Sydney.

Dear Sir,—

I am directed by His Excellency the Governor to acknowledge the receipt of your letter of 16th instant, and to ask you to be so good as to convey to the members of your Association an expression of His Excellency's sincere thanks for the resolution of sympathy and loyalty, which His Excellency will at the earliest opportunity transmit to the Secretary of State for the Colonies.

I am, yours respectfully,

R. VERNEY, Captain,  
Private Secretary.”

#### STUDENTS' SECTION.

The following papers have been read at the General Meetings of Students, held in the Library of the Association during the Session:—

Oct. 19: Paper on “Notes on Locomotive and Railway Work,” by Mr. A. D. J. Forster.

March 15: Paper on “Feed Water Heating for Steam Boilers,” by Mr. L. G. Henderson.

April 19: Paper on “Producer Gas in the Commonwealth,” by Mr. C. A. Warden.

May 17: Paper on “Some Checks on Efficient Combustion,” by Mr. W. R. M. Smith.

June 21: Debate on “Steam Turbines v. Reciprocating Steam Engines.”

July 26: Paper on “Direct-acting Steam Pumps,” by Mr. L. M. Roberts.

Aug. 16: Paper on "Steam Turbines," by Mr. R. S. Lloyd.

Sept. 20: Paper on "Notes on Petrol Engines," by Mr. G. W. F. Findlay.

### EXCURSIONS.

November 19.—Barren Jack Reservoir.

On November 19th, 1909, a number of the members visited the Barren Jack Reservoir, and spent a most enjoyable and instructive day, being received by Mr. L. A. B. Wade, Chief Engineer for Irrigation and Drainage, and his officers. Special arrangements had been made with the Railway Commissioners, and the excursion was in every way a success.

January 22.—Visit to Messrs. Zollner & Company's Works, 30 Druitt Street, Sydney.

On January 22nd, by the courtesy of Messrs. Zollner & Company, a number of our members were able to see an exhibition of Oxy-Acetylene Welding, which proved of great interest to those able to accept Messrs. Zollner's invitation.

July 20.—Society of Chemical Industry.

On July 20th, members were invited to a meeting of the Society of Chemical Industry to hear a paper on the Electrolysis as a means of preventing corrosion of iron and steel by G. Harker, B.Sc., and J. Macnamara, which proved of great interest to those present.

### ANNUAL DINNER,

This was held at Baumann's Cafe on the 26th November. There was a good attendance of members, and a very enjoyable evening was passed.

ENGINEERING ASSOCIATION OF NEW SOUTH WALES.

ACCOUNT OF RECEIPTS AND EXPENDITURE FOR THE YEAR ENDING 30th SEPTEMBER, 1910.

October 1, 1909—			September 30, 1910—			September 30, 1910—				
	£	s.	d.	£	s.	d.		£	s.	d.
To Balance at Bank of New South Wales	41	13	1				By Outstanding Liabilities	59	0	3
Balance at Savings Bank of N.S.W.	9	19	1				Printing and Reporting Proceedings	78	0	2
Cash in Hand	2	4	8				Rent of Rooms	75	0	0
				53	16	10	Secretary's Salary	52	0	0
September 30, 1910—							Stamps	20	12	2
Subscriptions				327	18	0	General Printing	18	2	3
Entrance Fees, 15 Members, £2 2s.				31	10	0	Stationery	5	8	6
Sale of Proceedings				0	0	6	Insurance Premiums	1	13	6
Sale of Certificate				0	10	6	Delivery Volumes of Proceedings	2	8	3
Interest on Savings Bank Deposit				0	8	2	Advertising General Meetings	4	9	0
Exchange on Cheques				0	1	6	Hire of Lantern, General Meetings	5	0	0
Trip to Barren Jack Reservoir				72	5	6	Bank Charges for Current Account	0	10	0
Annual Dinner Account, 1908				0	10	6	Sydney University Engineering Society contribution towards printing paper on "The Distribution of Power in a Double-ended Screw Steamer."	5	0	0
Annual Dinner Account, 1909				22	1	0	Exchange on Cheques	0	2	0
							Sundries	2	8	0
							Trip to Barren Jack Reservoir	72	0	0
							Annual Dinner	25	7	2
							Balance Bank of New South Wales	78	3	3
							Cash in Hand	3	18	0
								82	1	3
								£509	2	6
								£509	2	6

5th October, 1910.

Audited and found correct,

G. BOHLER.  
HENRY SHAW.

ENGINEERING ASSOCIATION OF NEW SOUTH WALES.

REVENUE ACCOUNT, 30th SEPTEMBER, 1910.

	£	s.	d.	£	s.	d.		£	s.	d.
To Printing and Reporting Proceedings				78	0	2	By Entrance Fees, 13 members at £2 2s.	27	6	0
Annual Dinner				3	6	2	Sale of Proceedings	0	5	0
General Expenses—							Interest on Deposit, Savings Bank of N.S.W.	0	8	2
Rent of Rooms	75	0	0				Sale of Certificate	0	10	6
Secretary's Salary	52	0	0				Trip to Barren Jack Reservoir	0	5	6
Stamps	20	12	2				Members' Subscriptions—			
General Printing	18	2	3				For Half-Year end, Mar. 31, '10	165	12	9
Stationery	5	8	6				For Half-Year end, Sep. 30, '10	181	2	6
Insurance Premiums	1	13	6							346 15 3
Delivery Volumes Proceedings	2	8	3							
Advertising General Meetings	4	9	0							
Hire of Lantern, General Meetings	5	0	0							
Bank Charges for Current Account	0	10	0							
Sydney University Engineering Society contribution towards printing a paper on "The Distribution of Power in a Double-ended Screw Steamer"	5	0	0							
Exchange on Cheques	0	0	6							
Sundries	2	8	0							
				192	12	2				
Subscriptions paid in advance prior to Session 1909-1910	11	6	0							
Less paid during Session	10	5	3							
				1	0	9				
Subscriptions written off during year				1	6	3				
Capital Account				99	4	11				
				<u>£375</u>	<u>10</u>	<u>5</u>				
								<u>£375</u>	<u>10</u>	<u>5</u>

5th October, 1910.

Audited and found correct,  
G. BOHLER,  
HENRY SHAW.