

Engineering Association of New South Wales.

ANNUAL REPORT OF COUNCIL

AND

BALANCE SHEET

FOR THE

YEAR ENDING 30th SEPTEMBER, 1908.

Your Council beg to present to you the Thirty-eighth Annual Report for the year ending 30th September, 1908, showing the progress and work of the Association for the past year. During the Session just closed, the following twenty-eight gentlemen were elected members of the Association, as follows:—

Member	Mr.	M. T. N. Bluck.
„	„	J. W. Kidd.
„	„	C. G. Petrie.
„	„	P. J. Taylor.
„	„	J. T. Wishart.
„	„	A. E. S. Cook.
„	„	George Hawkes.
„	„	R. V. Edwards.
„	„	D. Chalmers.
„	„	A. J. Fischer.
„	„	C. H. Relph.
„	„	A. F. Hirschel.
„	„	G. A. Julius.
„	„	D. Lawrance.
„	„	M. B. Halligan.
„	„	Thos. R. Ions.
„	„	J. J. B. Scott.

Student	Mr.	P. E. Boulton.
„	„	A. R. Tivendale.
„	„	B. Dowling.
„	„	A. J. Lea.
„	„	R. K. Oliver.
„	„	A. Plowman.
„	„	R. C. Thomas.
„	„	J. B. Holroyde.
„	„	D. H. Hill.
„	„	G. M. Drinkwater.
„	„	J. G. Macartney.

And the following resignations were accepted, viz. :—

Mr.	S. M. Brown.
„	G. Massey.
„	B. Stanway.
„	W. G. West.

Whilst the following gentleman ceased to be a member :—

Mr.	E. M. Grant.
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Your Council has to record with deep regret the loss by death of the following member :—

Mr.	W. H. Nisbet.
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The total number of members of the several grades is now 200, as compared with 178 at the close of last Session.

During the year 11 meetings of the Council have been held, the attendance at which was as follows:—

James Shirra, President	Attended 11 meetings.
H. Adamson, Vice-President	„ 5 „
Edwd. J. Erskine, Vice-President.....	„ 6 „
John Sands, Hon. Treasurer	„ 5 „
H. V. Ahrbecker, Hon. Sec. and Editor	„ 10 „
T. Brown, Councillor	„ 7 „
A. Christie, Councillor	„ 5 „
J. Fairweather, Councillor	„ 7 „

A. H. Friend, Councillor	„	10	„
W. H. German, Councillor	„	7	„
R. Grant, Councillor	„	5	„
James Kidd, Councillor	„	7	„
James Macartney, Councillor	„	6	„
R. Steel, Councillor	„	9	„
Russell Sinclair, <i>ex-officio</i> Member, Past President	„	7	„

LIFE MEMBERSHIP.

The Association, to place on record their appreciation of the loyal services of Mr. Henry V. Ahrbecker as the Honorary Secretary and Editor, made him a life member of the Association, and as a further mark of their appreciation made him a presentation, suitably engraved, as a memento of the occasion.

PRIZES TO STUDENTS.

As last Session, in order to encourage students in the preparation of papers, your Council decided to offer two prizes of five guineas and two guineas respectively, for the two best papers on subjects connected with Mechanical Engineering and Naval Architecture, conditions being that the papers be submitted in a sealed envelope under a *nom de plume*. The Committee appointed by the Council to deal with the papers awarded the prizes as follows:—

First Prize: Mr. Luke R. Muras, junr., “Modern Steel Roofs.”

Second Prize: Mr. Thomas Freeman, “Triple Effet and Sugar Boiling.”

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 65 members—have been held, at which the following papers were read and discussed:—

- Oct. 10: Paper on "Economy of Fuel," by Mr. J. W. Bragg.
- March 12: The Annual Address, delivered by the President, Mr. James Shirra.
- April 9: Paper on "Notes on the Application of Mechanical or Accelerated Draught to Steam Boilers, to increase their efficiency and steaming capacity," by Mr. Hector Kidd, M.I.C.E., M.I.-Mech.E.
- Paper on "A Comparison of the Strengths of Main Compression Members on Three Notable Bridges," by Mr. Norman Selfe, M.I.C.E., M.I.-Mech.E.
- May 14: Discussion on Mr. Hector Kidd's paper on "Notes on the Application of Mechanical or Accelerated Draught to Steam Boilers, to increase their efficiency and steaming capacity."
- June 11: Paper on "Description of a Molasses Burning Furnace," by Mr. W. H. German.
- July 9: Paper on "The Wharves, Quays, and Shipping of Port Jackson—Past, Present, and Prospective," by Mr. Norman Selfe, M.I.C.E., M.I.-Mech.E.
- Aug. 13: Paper on "The Technical College in its relation to the Apprentice," by Mr. J. W. Turner.
- Discussion on Mr. Norman Selfe's paper on "The Wharves, Quays, and Shipping of Port Jackson—Past, Present, and Prospective."
- Sept. 10: Discussion on Mr. J. W. Turner's paper on "The Technical College in its relation to the Apprentice."

STUDENTS' SECTION.

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

- Oct. 29: Paper on "Auxiliary Power on Sailing Vessels," by Mr. K. S. Sinclair.
- March 17: Discussion on last year's Prize Paper.
- April 28: Paper on "Australian Timbers and Shipbuilding," by Mr. K. S. Sinclair."
- May 19: Paper on "Notes on the Design and Lining Out of Two Special Steam Pumps," by Mr. Hector Kidd, junr.
- June 16: Paper on "The Steam Engine Indicator," by Mr. G. W. F. Findlay.
- July 21: Paper on "The Westinghouse Air Brake," by Mr. A. D. J. Forster.
- Aug. 18: Paper on "The Tin-making Plant at the Pyrmont Refinery," by Mr. C. A. Warden.
- Sept. 15: Paper on "High Speed Steam Engines," by Mr. B. Dowling.

EXCURSIONS.

Oct. 18: Eskbank Ironworks, Lithgow.

This was a joint excursion by the Engineering Section of the Royal Society and other bodies interested in the iron manufacture, besides our Association. The very modern hoisting, blowing, and other machinery was seen in operation, and the cast-iron being run off from the blast furnace into pigs. The rolling mills were visited, and bars and sheets seen made. The Cobar Company's electrolytic copper refining works at Lithgow were also inspected. Altogether, a very enjoyable and instructive day was spent.

Jan. 25: Visit to Darling Island, to inspect 70-ton "Shay-Geared Locomotive," erected by Messrs. Gibson, Battle and Co., Limited.

This interesting engine was under steam, and showed its capacity for taking sharp curves in the Railway-yard very well.

June 1: Harbour Trip to Colonel John Denny.

Your Council invited a few of our leading citizens connected with the shipping industry and some of the members interested in steamships and marine engineering, to a trip down the Harbour, with Colonel Denny, the Government steam yacht "Premier" having been put at its disposal for the afternoon. The new lifeboat at Watson's Bay was seen and Middle Harbour visited, where our guest's health was drunk, and he suitably responded. Colonel Denny was presented with a set of our volumes of Proceedings.

June 13: Visit "Daily Telegraph" Offices, King Street.

A large number of members attended to see this up-to-date installation of high-class printing machinery. The linotype and the electric motor driving of the various machines were much admired.

ANNUAL DINNER.

This was held at Baumann's Cafè on the 15th 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 SEPTEMBER 30TH, 1908.

	£	s.	d.	£	s.	d.		£	s.	d.
To Balance Bank of N. S. Wales										
October 1st, 1907	50	2	6							
„ Balance Savings Bank of N.S.W.,										
October 1st, 1907	92	5	2							
„ Cash in hand, October 1st, 1907	2	9	9							
				144	17	5				
„ Subscriptions				297	11	7				
„ Entrance Fees, 16 members £2 2s.				33	12	0				
„ Binding Proceedings				0	1	3				
„ Sale of Proceedings				0	2	0				
„ Sale of Certificates				1	19	6				
„ Exchange on Cheque				0	0	6				
„ Refund of Duty Stamps on unused										
Cheques				0	5	2				
„ Refund of Postages, &c., on Harbour										
Excursion				0	12	10				
„ Interest on Deposit at Savings Bank										
of N.S.W. to December 31st, 1907				1	12	6				
„ Life Membership, Mr. Ahrbecker				21	0	0				
„ Annual Dinner				24	3	0				
				£525	17	9				
By Printing and Reporting Proceedings								219	10	0
„ Rent of Rooms								75	0	0
„ Secretary's Salary								52	0	0
„ Stamps, Postage, and Duty								24	5	3
„ General Printing								19	13	9
„ Stationery								8	11	3
„ Insurance Premiums								1	13	6
„ Delivery of Volumes of Proceedings								2	0	3
„ Advertising General Meetings								2	15	0
„ Cleaning Rooms								1	1	0
„ Bank Charge for Current Account								0	10	0
„ Exchange on Cheques								0	1	6
„ Sundries								0	11	9
„ Life Membership, Mr. Ahrbecker								21	0	0
„ Presentation to Mr. Ahrbecker								16	0	0
„ Printing 500 Copies of Paper for Mr.										
Bragg								2	16	0
„ New Writing Table								2	9	0
„ Students' Prizes								7	7	0
„ Annual Dinner								28	12	0
„ Balance at Bank of New South Wales							26	18	5	
„ Balance at Savings Bank of N.S.W.							78	17	8	
„ Cash in hand							4	4	2	
								110	0	3
Less unrepresented Cheques								69	19	9
								40	0	6
				£525	17	9		£525	17	9

Audited and found correct.

September 29th, 1908.

HENRY J. VALE }
R. R. KING } Auditors.

REVENUE ACCOUNT, 30th SEPTEMBER 1908.

	£	s.	d.	£	s.	d.
To Printing and Reporting Proceedings ..				102	6	3
„ Students' Prizes				7	7	0
„ Annual Dinner				4	9	0
„ Members' Subscriptions, paid in advance				7	17	6
„ Members' Subscriptions, written off during year				5	10	3
„ Presentation to Mr. Ahrbecker on being a Life Member of the Association				16	0	0
„ General Expenses—						
„ Rent of Rooms	75	0	0			
„ Secretary's Salary	52	0	0			
„ Stamps, Postage, and Duty	23	9	3			
„ General Printing	14	6	3			
„ Stationery	8	9	3			
„ Insurance Premiums	1	13	6			
„ Delivery of Volumes of Proceedings	2	0	3			
„ Advertising General Meetings	2	15	0			
„ Cleaning Rooms	1	1	0			
„ Bank Charges for Current Account	0	10	0			
„ Exchange on Cheques	0	1	0			
„ Sundries	0	11	9			
				181	17	3
„ Capital Account				39	0	4
				<u>£364</u>	<u>7</u>	<u>7</u>

	£	s.	d.	£	s.	d.
By Entrance Fees—						
17 Members at £2 2s				35	14	0
„ Sale of Proceedings				0	2	9
„ Interest on Deposit at the Bank of New South Wales				1	12	6
„ Members' Subscriptions—						
Half-year ending March 31, 1908 ..	158	11	0			
Half-year ending Sept. 30, 1908 ..	162	4	6			
				<u>320</u>	<u>15</u>	<u>6</u>
„ Members' Subscriptions paid in advance				6	3	7
				<u>£364</u>	<u>7</u>	<u>7</u>

Audited and found correct.

September 29th, 1908.

HENRY J. VALE }
R. R. KING } AUDITORS.