

ENGINEERING ASSOCIATION
of New South Wales

Annual Report of Council and Balance Sheet

FOR THE

YEAR ENDED 30th SEPTEMBER, 1913.

Your Council beg to present to you the Forty-third Annual Report for the year ending 30th September, 1913, showing the progress and work of the Association for the past year.

During the Session just closed the following gentlemen were elected Members of the Association:—

Members—Commander George H. Bromwich, Messrs. Ernest Bale, Richard C. Cliff, Charles C. Dudley, William Edmonds, Percy A. Fildes, Arthur J. Hart, Francis Joseph Healy, Henry A. S. Holliday, Morgan J. Johns, Bernard W. Jones, John Lawson, Telford S. Martin, Hector Orams, Jack Payne, Archibald N. Sinclair, John Sonnerdale, James Vicars, Robert Hugh Walker.

Student Associate—Mr. George Burrell Game.

Students—Messrs. Stuart C. Campbell, John Withers, Basil H. McClure, Gilbert D. Perry, William E. Pike, George Bill, Sydney J. McAuliffe.

And the following resignations were accepted, viz.:—

Members—Messrs. R. Borland, A. E. S. Cook, E. L. Eastgate, N. W. McIntosh, A. C. Robbins, A. H. Royce, R. J. Vincent, E. J. Williams.

Associates—Messrs. W. V. Buzzacot, M. L. Stanley.

Students—Messrs. H. D. Hill, S. J. Kidd.

Whilst the names of the following gentlemen have been erased from the list of members, in terms of Section V., No. 5, of the Rules and By-laws of the Association:—

Members—Messrs. T. Raw, J. J. B. Scott, I. C. S. Zlotkowski, J. H. Hodge, D. Cameron, H. Brown.

Student—Mr. C. A. Warden.

Your Council have to report, with regret, the loss by death of Mr. W. D. Cruickshank, who was five times President of the Association, and was one of its most prominent members during its earlier history.

The total number of members of the several grades is now 252, as compared with 245 at the close of last season. During the year twelve meetings of the Council have been held, the attendance at which was follows:—

Mr. G. A. Julius, President.....	Attended 11 meetings
„ Walter Reeks, Vice-President.	„ 9 „
Prof. Barraclough, Vice-President	„ 8 „
Mr. C. J. Holroyd, Hon. Treas. . . .	„ 6 „
„ D. F. J. Harricks, Hon. Sec. and Editor.....	„ 12 „
„ J. W. Bragg, Councillor.....	„ 10 „
„ A. H. Friend, Councillor.....	„ 11 „
„ W. H. Grieve, Councillor.....	„ 8 „
„ Andrew Christie, Councillor..	„ 1 „
„ James Macartney, Councillor.	„ 7 „
„ J. McNamara, Councillor.....	„ 11 „
„ James Shirra, Councillor.....	„ 8 „
„ Robert Steel, Councillor.....	„ 7 „
„ William Sinclair, Councillor..	„ 12 „

PRIZES TO STUDENTS.

In order to encourage Student members in the preparation of papers, your Council decided to offer two prizes of five guineas and two guineas, respectively, for the best two papers read before Student Meetings during the Session.

The Committee appointed by the Council to judge the papers awarded the prizes as follows:—

First Prize, Mr. E. F. Campbell, for his paper on
“Notes on Lubrication.”

Second Prize, to be divided by Messrs. R. S. Moore and W. E. Pike, for their papers on “Some Notes on Case-hardening” and “Some Notes on Boiler Fuels,” respectively.

They also wish to record their appreciation of the general excellence of the papers.

PAPERS.

Your Council desires to express their thanks to the various members who have contributed papers during the Session, and to Mr. Bartholomew for his very interesting lecture on "Wireless Telegraphy." The practice of delivering proofs of the papers to members before being read at the meetings was carried out with but a few unavoidable exceptions, and as the Council believe that the change has been helpful to the discussions on the papers, it is their intention to continue the practice

During the year, 8 General Meetings, with an average attendance of 70 members, have been held, at which the following papers have been read and discussed:—

1912.—Oct. 1st: Discussion on Mr. Duncan Moffat's Paper on "The Overttype or High Superheat Steam Engine."

1913.—March 13th: The Annual Address by the President, Mr. G. A. Julius, B.Sc., M.E.

April 10th: Paper on "The Alignment of Machinery," illustrated with lantern slides, by Mr. William Sinclair.

May 8th: Paper on "Auto-electrolysis," illustrated with lantern slides, by Mr. James McNamara.

June 12th: Paper on "The Commercial Motor Vehicle," by Mr. Eric F. Boulton.

July 10th: Paper on "Autogenous Welds," illustrated with lantern slides and diagrams by Prof. S. H. Barraclough and Mr. H. A. Rorke.

Aug. 14th: Lecture on "Wireless Telegraphy," illustrated with lantern slides, by Mr. C. Bartholomew.

Sept. 11th: Paper on "Re-inforced Concrete Construction," illustrated with lantern slides, by Mr. Arthur J. Hart, Asse. M.I.C.E.

EXCURSIONS.

February 27th, 1913.—Visit to the Sydney University Engineering School.

By the courtesy of Professor Barraclough, the members of the Association were afforded an opportunity of inspecting the Engineering Laboratory and Workshops of the University. A very interesting evening was spent, Professor Barraclough having mapped out an itinerary for visiting the various sections of the Laboratory, in which tests and exhibitions of the plant were carried out, so that members might see the different appliances at work.

June 28th, 1913.—Visit to the "Burrenjuck Reservoir."

At the invitation of Mr. Bates, member, a visit was paid to the Burrenjuck Dam and Reservoir. A fuller description, accompanied by illustrations, will be printed in the Proceedings.

The Council desire to place on record their thanks to Messrs. L. A. B. Wade and H. H. Dare for their assistance towards making the inspection a successful one, and to Mr. Bates, representing the contractors, for his suggestion and for conducting the party over the works.

P. N. RUSSELL BEQUEST.

Your Council have given a good deal of consideration to the question of how the income from this bequest could best be applied, but they have not a definite proposition to put before you yet.

LIBRARY.

Matters relating to the management of the Library have been the subject of enquiry by a sub-committee, and certain of its recommendations for better housing and cataloguing have been approved. A further suggestion that a part of the income from the P. N. Russell bequest might be used for the purpose of improving the Library is now under discussion.

THE OFFICIAL JOURNAL.

Your Council have approved of the suggestion of the Institute of Architects that their Journal, "The Salon," should also become the official Journal of our Association. No part of the cost or responsibility of publishing "The Salon" is to be borne by the Association, and your Council considered that by co-operating with the Institute of Architects in this matter much could be done

towards bringing the two professions into the closer relationship which is desirable. A copy of "The Salon" will be posted to members every month.

ANNUAL DINNER.

This was held on Thursday, October 24th, '12. There was a very large attendance, and a very enjoyable evening was spent.

STUDENTS' SECTION.

The following papers have been read and discussed at the General Meetings of the Student Members held in the Library of the Association during Session:—

1912.—Oct. 14th: "Some Notes on the Definition of Horse Power," by Mr. J. Hamilton.

1913.—March 18th: "The Design of Cylinders for Internal Combustion Engines as applied to Automobile Practice," by Mr. T. M. Baylis.

1913.—April 15th: "Tramcar Controllers," by Mr. J. L. Wright.

1913.—May 20th: "Some Notes on Lubrication," by Mr. E. F. Campbell.

1913.—Aug. 19th: "Notes on Boiler Fuels," by Mr. W. E. Pike.

1913.—Sep. 16th: "Some Notes on Case-hardening," by Mr. R. S. Moore.

The average attendance at these meetings has been disappointingly low, and the Committee of the Students' Section has given a considerable amount of consideration to the question of creating more interest generally in the Section; they feel that the Section would receive much encouragement if the meetings were attended by some of the full members of the Association, and your Council certainly think that the papers read by the members of the Students' Section are such that would undoubtedly interest the members.

ACCOUNT OF RECEIPTS AND EXPENDITURE FOR THE YEAR ENDING 30th SEPTEMBER, 1913.

1912—October 1st.—			1913—September 30th.—				
	£	s. d.	£	s. d.			
To Balance at Bank New South Wales	158	19 5			By Printing & Reporting Proceedings	326	0 3
„ City Bank of Sydney Fixed Deposit	3000	0 0			„ Annual Dinner	41	7 3
„ Savings Bank of New South Wales	200	0 0			„ Trip to Burrenjuck	205	14 2
„ Cash in Hand	4	12 2			„ Students' Prizes	7	7 0
			3363	11 7	„ Rent of Rooms	75	0 0
1913—September 30th.—					„ Secretary's Salary	80	0 0
To Members' Subscriptions			305	3 3	„ Acting Secretary's Salary ..	28	10 0
„ Annual Dinner			25	12 6	„ Stamps	21	10 6
„ Entrance Fees, 14 Members at £2 2s.			29	8 0	„ General Printing	25	14 3
„ Trip to Burrenjuck			181	8 8	„ Stationery	1	13 0
„ Norman Selfe Memorial Fund			2	2 0	„ Delivery of Volumes XXVI. & XXVII.	3	18 9
„ City Bank of Sydney, 12 months' Interest to April 6th, on Fixed Deposit ..			120	0 0	„ Hire of Lantern for General Meetings	5	0 0
„ Savings Bank of New South Wales—Amount Withdrawn and Deposited to Current A/c. Bank New South Wales			50	0 0	„ Bank Charge Current A/c. ..	0	10 0
„ Exchange on Cheque			0	0 6	„ Advertising General Meetings	0	12 0
					„ Rent of Library Students' Meeting	0	10 6
					„ Sundries	5	3 6
					„ Bank of New South Wales—Amount withdrawn from Savings Bank	50	0 0
					„ Balance—		
					City Bank of Sydney		
					Fixed Deposit ..	3000	0 0
					Savings Bank of New South Wales	150	0 0
					Bank of New South Wales		
					Current A/c.	44	7 7
					Cash in Hand	4	7 9
						3198	15 4
			£4077	6 6		£4077	6 6

October 1st, 1913.

Audited and found correct,

HENRY SHAW.
R. R. KING.

REVENUE ACCOUNT, 30th SEPTEMBER, 1913.

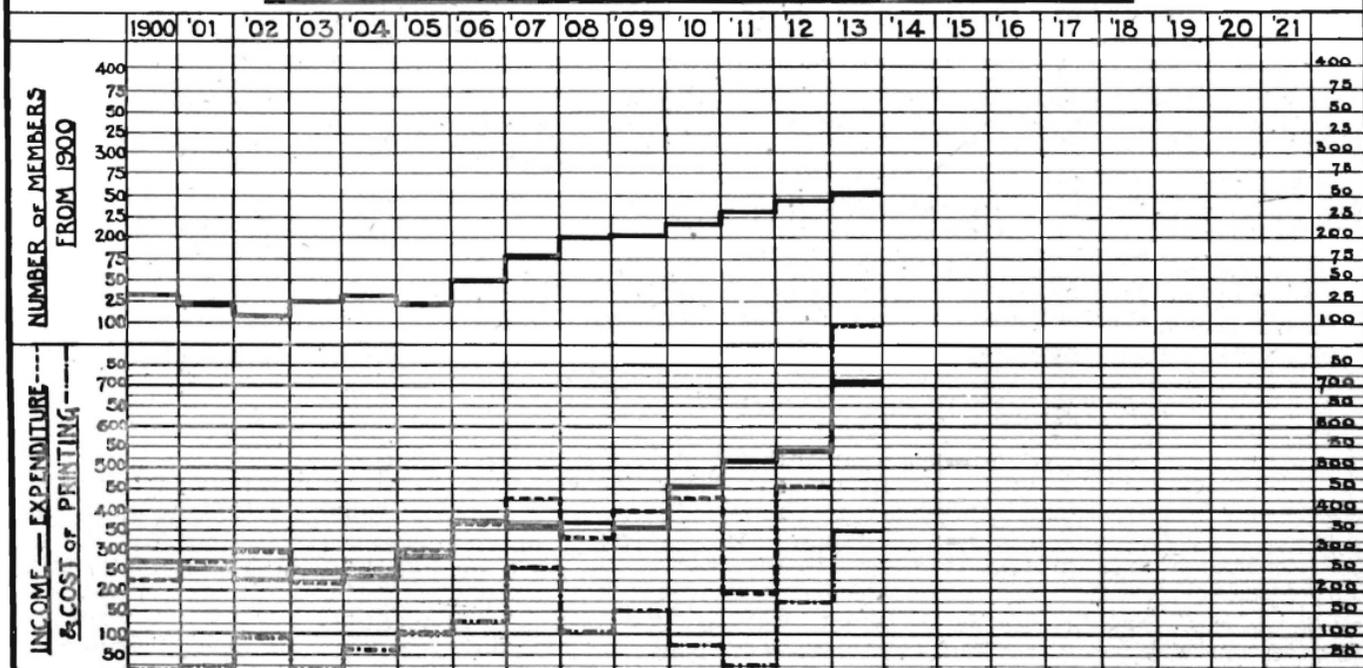
1913—September 30th.—	£	s.	d.	£	s.	d.	1913—September 30th.—	£	s.	d.	£	s.	d.
To Printing & Reporting Proceedings				326	0	3	By Entrance Fees, 19 Members, at £2 2s.				39	18	0
„ Annual Dinner				15	14	9	„ City Bank of Sydney—				120	0	0
„ Burrenjack Trip				17	15	6	Interest on Fixed Deposit						
„ Students' Prizes				7	7	0	„ Members' Subscriptions—						
„ Members' Subscriptions, paid prior to 30th September, 1912				3	3	0	Paid in Advance During Year Ending 30th September, 1913				4	12	0
„ General Expenses—							„ Members' Subscriptions—						
Rent of Rooms	75	0	0				Half-year Ending March 31st, 1913	197	2	9			
Secretary's Salary	80	0	0				Half-year Ending September 30th, 1913	218	2	9			
Acting Secretary's Salary	28	10	0								415	5	6
Stamps	21	10	6				„ Capital Account				96	12	3
General Printing	25	14	3										
Stationery	1	13	0										
Delivery of Volumes XXVI. & XXVII.	3	18	9										
Hire of Lantern for General Meetings	5	0	0										
Bank Charge, Current A/c.	0	10	0										
Advertising General Meetings	0	12	0										
Rent for Library for Students' Meeting	0	10	6										
Sundries	5	3	0										
				248	2	0							
„ Subscriptions Written off				58	5	3							
				£676	7	9					£676	7	9

October 1st, 1913.

Audited and found correct,

HENRY SHAW.
R. R. KING,

ENGINEERING ASSOCIATION OF N. S. W.



THE VARIATIONS IN THE EXPENDITURE ARE DUE TO THE IMPOSSIBILITY OF ALLOTING THE COST OF PRINTING CORRECTLY FOR EACH YEAR. THIS IS DUE TO THE UNAVOIDABLE DELAYS THAT HAVE OCCURRED IN THE PUBLICATION OF THE VOLUMES.