

# ANNUAL REPORT OF COUNCIL

AND

## BALANCE SHEET

FOR THE

YEAR ENDING SEPTEMBER 30TH, 1893

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YOUR Council, in presenting to you the Twenty-Third Annual Report for the year ending September 30th, 1893, have pleasure in pointing out that in spite of the continued depression the number of members on the books shows but a small difference from that of last year—the total number being one hundred and sixty.

During the session six members and one student have been elected.

It is with deep regret that your Council have to record the death of the late Lieut.-Colonel Cracknell, Superintendent of Telegraphs, and a member of this Association.

**BALANCE SHEET.**—An examination of the Balance Sheet attached will show that very little attention has been paid by members to the repeated application for payment of their subscriptions; and, as was foreshadowed in the last Annual Report, this neglect necessitated the obtaining of an overdraft from the bank in order to meet the expenses of publishing Volume VII. This overdraft, together with the interest (amounting to one hundred and sixty-five pounds five shillings and sixpence), has since been liquidated from the Society's funds placed at fixed deposit.

ARREARS.—Your Council desires to draw attention to the large amount of arrears outstanding, amounting to two hundred and seventy-eight pounds thirteen shillings, and strongly impress upon members the necessity of punctual payment of subscriptions, without which it is impossible to carry on the affairs of the Association in a satisfactory manner, and they trust that this appeal will not be treated in the same manner as those previously made, but will receive the early attention it deserves.

NEW ROOMS.—On account of the expiration, and the inability to obtain an extension of the lease of the Society's Rooms, at 7 O'Connell Street, it necessitated the renting of other premises. After considerable difficulty in obtaining suitable accommodation, your Council, in conjunction with the Steamship Owners' Association and Employers' Union, decided to accept the offer of The Assets Realization Company for a lease of their Rooms, at Union Chambers, No. 70 Pitt Street, which have been found in every way to be suitable, and an improvement on the old rooms.

BANK SUSPENSION.—By the suspension of payment of the E. S. and A. C. Bank, the Association's funds were locked up, and have since been invested by the bank in debentures, etc. A fresh account has been opened with the Bank of New South Wales.

OPENING OF LIBRARY.—At the adjourned meeting held on November 10th, 1892, it was announced that the Council had decided to open the Society's Library on two nights per week for the convenience of members. Effect was given to this on March 6th, 1893, and an attendant was engaged; but, after three months' trial, your Council, owing to the small attendance of members, decided to close the rooms.

CONGRESS OF ENGINEERS.—In October, a letter was received from the American Society of Civil Engineers of New York, inviting the members of the Association's presence and

co-operation at the World's Columbian Congress of Engineers, Chicago. The offer was accepted by Messrs. H. Kidd, A. M. Howarth, H. B. Howe, and W. Shellshear, which gentlemen were appointed by the Council to represent your Association.

Invitations were also received from the Engineers' Club of Philadelphia, Committee on Information and Courtesy of American Society of Civil Engineers, and others, for which the Council tender their best thanks.

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

During the session ten meetings, with an average attendance of thirty-four members, have been held, at which the following papers were read and discussed :—

At the October 13th Meeting.—Paper by Mr. P. Diamond, entitled "Some Notes on Dynamo Driving by Compound Engines."

November 10th.—Discussion on same.

March 9th.—The President's Annual Address was delivered.

April 13th.—Paper by Mr. A. M. Howarth, entitled "Some Notes on the Design of Railway Fish Joints." Illustrated.  
Discussion on same.

May 11th.—Paper by Mr. James Nangle, entitled "Some Notes on the Ornamental Treatment of Bricks and Iron in New South Wales."  
Discussion on same.

June 8th.—Paper by Mr. Norman Selfe, on "The Relative Position of the Architect, Engineer, and Builder in Modern Works."  
Discussion on same.

June 22nd.—Discussion on same.

July 13th.—Discussion on same.

August 10th.—Paper by M. R. Morse, on "Railway Brakes."  
Illustrated.

September 14th.—Paper by Mr. Thos. Irons, on “Cable Tramway Machinery.” Illustrated.

Discussion on Mr. Morse’s paper, “Railway Brakes.”

DONATIONS.—The Council beg to acknowledge with thanks the following donations: From Mr. A. D. Nelson, series of Photographs illustrating Cable Tramway Machinery Manufactured by the Walker Manufacturing Company, Ohio. From Mr. G. Higgins, Photograph of Von Schmidt Suction Dredge “Groper.” From Mr. L. Hargrave, Photograph of Flying Machines.

RESIGNATION OF LIBRARIAN.—The Council regret to announce the resignation of Mr. L. Hargrave as Librarian and Member of Council, on account of his leaving Sydney, and wish to express their thanks for the able services he has always rendered.

ANNUAL RE-UNION.—On October 15th, the Annual Re-union of the Association was held at Clifton Gardens, Chowder Bay, which was largely attended by members and their friends. The weather and general arrangements being everything that could be desired, an enjoyable day was spent.

EXCURSIONS.—At the invitation of Mr. John Sands, a large number of members visited Messrs. Zollner’s Galvanised Iron Works, on November 15th, and were hospitably received and shown the various processes in operation by the proprietors, Messrs. John Sands and S. Zollner. The visit was most instructive and interesting to the members.

On January 7th, the Council received a most courteous invitation from Mr. Justin McSweeney (contractor for a portion of the Sewerage Outfall Works, at Arncliffe) to a complimentary banquet tendered to the Engineers of the Sewerage Construction Branch to celebrate the completion of the first section of the Western Suburbs’ Sewerage Scheme. After inspecting the works, an adjournment was made to the residence of Mr. McSweeney, where a very pleasant evening was spent.

On December 10th, by the courtesy of Messrs. Backhouse and Laidley, a large number of members inspected the new Lyceum Theatre and the stage machinery.

ANNUAL VOLUME.—At the first meeting of the session, held on October 13th, Volume VII. of the Association's Proceedings for the year 1891-2 was placed in the hands of members. The Council beg to express their best thanks to our Hon. Editor, Mr. H. V. Ahrbecker, for his untiring energy and successful efforts in editing the volume, which is a credit to himself and the Association.

The Council are pleased to state that during the past session, as will be seen by the list of donations, there has been a considerable increase in the number of exchanges of the Association's Proceedings, and valuable additions to the library, for which they beg to tender their sincere thanks.

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# ENGINEERING ASSOCIATION OF NEW SOUTH WALES.

ACCOUNTS OF RECEIPTS AND EXPENDITURE FOR THE YEAR ENDING SEPTEMBER 30TH, 1893.

DR.	RECEIPTS.			EXPENDITURE.	CR.
		£	s. d.	£	s. d.
1892—Oct. 1.					
To Balance in Bank ... ..		68	7 6	By Rent of Rooms ... ..	61 2 0
„ Cash, Stamps, and Post Cards in hand ... ..		8	10 10	„ Share of Moving Expenses ... ..	7 18 10
„ Entrance Fees—			76 18 4	„ Printing, Engraving, and Reporting Proceedings ... ..	272 1 0
6 New Members at £2 2s. ... ..		12	12 0	„ General Printing ... ..	23 19 1
1 Student at £1 1s. ... ..		1	1 0	„ Periodicals ... ..	8 1 0
			13 13 0	„ Secretary's Allowance ... ..	40 0 0
„ Annual Subscriptions ... ..			232 2 6	„ Library ... ..	7 13 6
„ „ „ in advance ... ..			1 6 3	„ Sundries ... ..	6 7 5
„ „ Re-union Arrears, 1890 ... ..			6 0	„ Petty Cash ... ..	30 9 1
„ „ „ 1892 ... ..		107	16 0	„ Insurance ... ..	2 1 0
Less paid in advance ... ..		6	5 0	Less paid by Petty Cash ... ..	7 0
			101 11 0		1 14 0
„ Donation ... ..			1 1 0	„ Annual Re-union, 1892 ... ..	100 3 10
„ Rent of Rooms ... ..			23 18 0	„ Interest on Overdraft ... ..	3 2 9
„ Interest on Fixed Deposit ... ..			3 10 4	„ Exchange on Cheques ... ..	4 0
„ Part of Fixed Deposit ... ..			182 2 9	„ Cash at Bankers, E. S. & A. Bank ... ..	3 17 8
„ Sale of Proceedings ... ..			5 0	„ „ „ N. S. W. Bank ... ..	47 4 3
				„ Cash in hand ... ..	2 15 9
					53 17 8
			<u>£616 14 2</u>		<u>£616 14 2</u>

Audited and found correct,

JAMES ELDER,  
JAS. O. CALLENDER, } AUDITORS.