

Engineering Association of New South Wales.

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# ANNUAL REPORT OF COUNCIL

AND

## BALANCE SHEET

FOR THE

YEAR ENDING SEPTEMBER 30TH, 1896.

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YOUR Council, in presenting to you the Twenty-Sixth Annual Report for the year ending September 30th, 1896, have great pleasure in announcing that, although several members' names have been removed from the Books by death, resignations, etc., the number now remaining shows an increase over that of last year—the total number on the roll being one hundred and forty-six.

During the Session twelve members have been elected.

It is with deep regret that your Council have to place on record the death, on the 18th September, of the late Mr. E. O. Moriarty, for many years Engineer-in-Chief of the Harbours and Rivers Department of New South Wales, and one of the oldest members of the Association.

### BALANCE SHEET.

An examination of the Balance Sheet attached will show that the financial position of the Association is very satisfactory, there being now a Credit Balance in hand of One hundred and ten pounds, three shillings and threepence (£110 3s. 3d.).

## ARREARS.

The amount of subscriptions to date is **Two hundred and seventy-two pounds, thirteen shillings and ninepence** (£272 13s. 9d.), and your Council must again urge upon members the necessity of giving more attention to the punctual payment of their dues, to enable the Society to publish its Proceedings, and thereby maintain the exchange of Transactions with kindred institutions.

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 forty-five members, have been held, at which the following Papers were read and discussed:—

At the October 12th Meeting.—Discussion on Mr. A. M. Howarth's Paper on "A Proposed Sub-aqueous Viaduct across Sydney Harbour, from Dawes Battery to Milson's Point."

March 12th.—President's Annual Address.

April 9th.—Paper by Mr. Hector Kidd, "A Description of the Impounding Reservoir, Condensing Apparatus and Cooling Tower for the Water Supply at the Childers Sugar Mill, Queensland,"

May 14th.—Discussion on above.

June 11th.—Paper by Mr. J. B. Henson on "Cook's River: Its Condition and Destiny."

August 13th.—Discussion on Mr. Henson's Paper.

Paper by Mr. A. E. Cutler on "Monier Structures."

Paper by Mr. Wm. B. Dick on "The Thistle Milking Machine."

September 10th.—Paper by Mr. Harry Franks on "The Mergenthaler Linotype Machine."

## ALTERATIONS OF RULES AND BY-LAWS.

Your Council beg to announce that, after careful consideration, they decided to make certain alterations to the Rules and By-laws of the Association. These were submitted to the

members at the General Meetings held on the 13th August and 10th September, and were, with certain amendments, agreed to.

#### CERTIFICATES OF MEMBERSHIP.

In compliance with the request of a large number of members, your Council decided to issue Certificates of Membership similar to those of kindred institutions. These are now obtainable on application to the Secretary. The first Certificate issued was presented to Wm. D. Cruickshank, Esq. (one of the founders of the Association), at the General Meeting held on September 10th, as a mark of recognition of that gentleman's untiring and invaluable services rendered to this institution.

#### DONATIONS.

The Council beg to acknowledge with thanks the following donations:—

From John Laing, Esq., the original manuscript of the first Paper, dated September 12th, 1870, read at the formation of this Association on the 24th day of same month.

From D. Harries, Esq., enlarged framed photograph of the group of members, taken on the occasion of their visit to the Botany Water Works, prior to dismantling the machinery.

#### SMOKE CONCERT.

On May 22nd, the Second Annual Smoke Concert was held at Aarons' Exchange Hotel, and proved a most unqualified success. There was a very large attendance of members and their friends, and a thoroughly enjoyable evening was spent. Your Council desire to thank the various artists who assisted in attaining this end.

#### EXHIBITION.

At the General Meeting held on August 13th your Council submitted a proposal to hold, in conjunction with the Electric Club, an Engineering and Electrical Exhibition during the middle of the year 1897, which was unanimously agreed to. By the courtesy of His Worship, the Mayor of Sydney (Isaac E. Ives, Esq.) and the City Council, the use of the Exhibition Building in Prince Alfred Park has been obtained, free of

charge, for a period of three months. Prospectuses, giving full particulars, will be issued in due course to members, and your hearty co-operation is earnestly requested in furthering the interest of this undertaking, and thereby insuring its success as an educational medium.

## LIFE MEMBER.

Your Council, in consideration of the valuable services rendered the Association by Mr. James S. Fitzmaurice, decided on March 12th to elect him a Life Member of the Association.

## ANNUAL VOLUMES.

It is with very great pleasure that your Council have to announce that, through the untiring energy of our Hon. Editor, Mr. H. V. Ahrbecker, Volumes IX. and X. will be published during the course of the next few weeks.

## EXCURSIONS.

On October 29th, 1895, by the courtesy of John Sands, Esq., members were afforded an opportunity of witnessing some interesting experiments at Messrs. Zollner's Iron Works, Kent Street, in the testing of galvanized iron pipes used by the Water and Sewerage Board for ventilating shafts. They met with a hospitable reception, and spent a pleasant afternoon.

METROPOLITAN COAL CO.'S MINE.—On May 9th, by the invitation of D. A. W. Robertson, Esq. (Mine Manager), a large number of members availed themselves of an opportunity to inspect the Metropolitan Coal Co.'s Mine at Helensburgh, and were escorted over the various workings, which are of the most modern character, by that gentleman and his staff. After the inspection, which proved most interesting, was over, an adjournment was made to the office, where refreshments were partaken of, and members then returned to town, having passed an enjoyable afternoon.

**BOTANY WATER WORKS.**—On the 15th August a most courteous invitation from D. Harries, Esq., to inspect the old Botany Water Works prior to dismantling the machinery, which had been purchased by him, was accepted, and a large number of members availed themselves of the opportunity. The inspection of this Historical Pumping Plant was very interesting, and to commemorate the occasion the group of members was photographed, after which the members partook of Mr. Harries' hospitality.

#### EXCHANGES OF PROCEEDINGS.

The Council are pleased to state that during the past year, as will be seen by the appended list, the number of exchanges of Proceedings with kindred institutions is still on the increase, and they beg to tender their best thanks to the various Societies who have reciprocated.

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