

ANNUAL REPORT.

THE ENGINEERING ASSOCIATION

OF  
NEW SOUTH WALES.

SESSION 1886-87.

MINUTES OF PROCEEDINGS,

ANNUAL GENERAL MEETING,

21ST OCTOBER, 1886.

WALTER SHELLSHEAR, PRESIDENT, in the Chair.

THE following candidates were balloted for and duly elected as

**MEMBERS:**

G. STRACHAN.

W. J. ADAMS.

R. HARRIS.

A. D. MARSHALL.

**ASSOCIATE:**

S. HORDERN.

The SECRETARY read the Annual Report of the Council and the Balance Sheet for the year ending 30th September, 1886, as follows:—

“The Council have the pleasure of presenting to the members on this occasion of the 16th Anniversary of the Association the following Annual Report for the past year:—

“The total number of members of all classes on the roll of the Association on the 30th September was 159, as compared with 140 at the end of the previous year. During the past year 22 names have been added to the Society, and three names have been withdrawn by resignation, which leaves a net gain of 19 members,

comprising 143 corporate members, 8 students, and 8 honorary members, so that it may fairly be considered that the Association continues to increase both in numbers and usefulness.

“The accounts for the past year having been examined by the duly appointed auditors, are now submitted for the information of members. The expenses of working a small Association such as ours, are of necessity heavy; but as the usefulness of the Society depends upon the publication and circulation of its proceedings among its members and others, it would be impossible to reduce the expenditure without seriously curtailing the utility of the Association. A resolution was moved, and carried unanimously at two successive general meetings, to alter Section V., Clause 1 of the Rules and By-laws so as to read, that “Each member shall pay *two guineas*, each associate two guineas, and each student one half-guinea per annum.” The Council would express its recognition of the unanimity which actuated the members when the resolution to increase their annual subscription to two guineas was carried, by which act the financial difficulties which have hitherto beset the Association will be largely removed, and the legitimate expenditure kept within the limits of the revenue.

“By the statement of accounts attached, it will be found that the income from all sources up to the 30th September amounted to £326 15s. 9d., while the expenditure (for the year) has been £516 16s. 7d., showing that it has been necessary to incur an overdraft to meet the current expenses, the amount of which will have to be withdrawn from the Society’s reserve funds.

“Endeavours have been made from time to time to secure suitable meeting rooms in a convenient position, and at a lower rental than that at present paid, and so to some extent reduce the expenditure, but after the inspection of many rooms which have been under offer to the Association, the Council have been unable, so far, to attain their object, and so have determined to remain in occupation of the present rooms.

“The Council have very great pleasure in acknowledging the useful labours of the various members who have contributed

papers during the past year, and consider it a matter for congratulation that a larger number of papers have been presented to the Association than in any previous year.

“Sixteen general meetings have been held during the year, with an average attendance of 30 members per meeting, and the following is a list of papers read and discussed :—

“In December, 1885, two papers were read by C. Van de Velde on the ‘Metallurgy of Copper,’ and on ‘Bread-making Machinery.’

“In January, by A. L. Leahy, on ‘Simultaneous Telegraphic and Telephonic Communication.’

“In February, by J. M. Smail, on ‘Healthy Dwellings.’

“In March, by Norman Selfe, on ‘Compressed Air and its Applications,’ which was discussed at an adjourned meeting.

“In April, by W. Shellshear, on ‘Breakwaters and Training Jetties,’ which was also discussed at an adjourned meeting.

“Also in April, by C. Wagemann, a non-member, on ‘Concentrated Solutions of Soda for Generating Steam.’

“In May, by Angus Mackay, on the ‘Mechanics of Agriculture.’ Also at the same meeting a paper by Henry Selfe on ‘Colonial-built Harbour Steamers.’

“In June, by F. Bergin, on the ‘Metallic Arch.’

“In July, by F. T. Bagshawe, on the ‘Beth Process of Ice-making.’

“In August, by W. S. Bailey, on ‘Economy in Steam Navigation.’

“And in September, by A. C. Mountain, on ‘Notes on Portland Cement,’ which was further discussed at an adjourned meeting.

“The Exhibition recently held by the Association in the Exhibition Building at Prince Alfred Park has been a matter of considerable public interest, and it is satisfactory to know that although the financial results are not equal to those of the preceding show held in 1883, there is a balance on the right side of the books. When the various accounts in connection with the matter

are all finally settled, the Executive Committee will present their report, and whatever balance remains will be transferred to the Association funds.

“The Library of the Association is not in such a satisfactory condition as might be desired, and although several important and valuable periodicals and volumes have been added during the year, there is yet room for many new standard works. It is to be hoped that the new Council will be able during the ensuing year to bestow some attention to this matter, and it is confidently anticipated, now that the proceedings are in print and about to be published, that it will lead to an interchange of volumes with some of the leading scientific societies of the world. The preparation of the Society's annual volume (which has been a work of no small labour), is an important step in the progress of the Association, and the thanks of the Association are due to the Honorary Secretary and Editor (Mr. Gustave Fischer) for the large amount of time he has spent in preparing the volume for publication.

# ENGINEERING ASSOCIATION OF NEW SOUTH WALES.

Dr.

Account of Expenditure and Receipts for the Year ending 30th September, 1886.

Cr.

EXPENDITURE.				RECEIPTS.									
				£	s.	d.							
To Rent of Room ... ..	...	...	...	153	3	4	By Entrance Fees—	£	s.	d.	£	s.	d.
„ Printing and Engraving Proceedings ... ..	...	...	...	160	8	0	21 Members at £2 2s. ... ..	44	2	0	45	3	0
„ General Printing and Binding ... ..	...	...	...	24	11	6	1 Student at £1 1s. ... ..	1	1	0	143	2	9
„ Periodicals ... ..	...	...	...	16	15	6	„ Annual Subscriptions ... ..						
„ Petty Cash, including postage, stationery, advertising, and insurance ... ..	...	...	...	27	9	9	„ Annual Re-union, 1884 ... ..	9	12	6	97	14	0
„ Annual Re-union ... ..	...	...	...	91	0	6	„ Do. do. 1885 ... ..	88	1	6	11	0	0
„ Secretary's Allowance ... ..	...	...	...	25	0	0	„ Rent of Rooms ... ..				19	0	0
„ Gold and Silver Medals ... ..	...	...	...	6	6	0	„ Sale of Pamphlets ... ..				11	1	0
„ New Cupboards ... ..	...	...	...	12	0	0	„ Excursions ... ..				0	15	0
„ Exchange on Cheques ... ..	...	...	...	0	2	0	„ Interest on Fixed Deposit ... ..				10	0	0
							Total Receipts ... ..				326	15	9
							Balance being excess of Expenditure over Receipts carried down ... ..				190	0	10
Total Expenditure... ..				£516	16	7					£516	16	7
				£	s.	d.	By Balance 30th September, 1885 ... ..	£	s.	d.	138	1	5
To Balance brought down ... ..	...	...	...	190	0	10	„ Bank Overdraft ... ..				51	19	5
				£190	0	10					£190	0	10

Audited and certified by JAMES ELDER, }  
J. B. HENSON, } AUDITORS.

The Report and Balance Sheet were unanimously adopted.

The ballot for the election of officers and members of Council for the Session 1885-86 resulted as follows:—

PRESIDENT :

A. C. MOUNTAIN.

VICE-PRESIDENT :

G. A. KEY.

HON. SECRETARY :

GUSTAVE FISCHER.

HON. TREASURER :

JOHN SANDS.

OTHER MEMBERS OF COUNCIL :

WALTER SHELLSHEAR.      NORMAN SELFE.

ROBERT POLLOCK.          J. RICHMOND.

H. W. KERLE.                A. D. NELSON.

After passing an unanimous vote of thanks to the retiring officers, the meeting terminated.