

Engineering Association of New South Wales

ANNUAL REPORT OF COUNCIL

AND

BALANCE SHEET

FOR THE

YEAR ENDING 30th SEPTEMBER, 1907.

YOUR Council beg to present to you the 37th Annual Report for the year ending 30th September, 1907, showing the progress and work of the Association for the past year. During the Session just closed the following thirty-eight gentlemen were elected members of the Association, as follows:—

Member Mr. E. J. Hopkins

” ” H. J. Davys

” ” N. C. Marr

” ” H. A. Membrey

” ” A. McCubbin

” ” H. Mainwaring

” ” E. W. Marriott

” ” A. B. Scorer

” ” E. C. Steere

” ” W. H. Grieve

” ” Alexr. Cullen

” ” J. P. Hutchison

” ” J. W. Balfour

” ” Chas. Bogenrieder

” ” W. J. Simpson

” ” E. M. Grant

” ” A. G. Hall

” ” Richd. Wildridge

” ” E. J. Gardiner

| | |
|---------|--------------------|
| Student | Mr. R. S. Lloyd |
| " | " A. O. Burrows |
| " | " L. R. Muras |
| " | " C. C. Nielsen |
| " | " M. McI. Nielsen |
| " | " S. M. Brown |
| " | " H. G. Dickey |
| " | " Thos. Freeman |
| " | " F. D. Hunter |
| " | " H. C. G. Kidd |
| " | " K. S. Sinclair |
| " | " W. R. M. Smith |
| " | " G. N. Tregarthen |
| " | " A. D. J. Forster |
| " | " J. W. Bell |
| " | " S. J. Kidd |
| " | " C. A. Warden |
| " | " D. T. Drake |
| " | " P. R. King |

And the following resignation was accepted, viz :—

Mr. A. W. Shepherd

Whilst the following gentlemen ceased to be members :—

Mr. J. Arnott

" W. B. Dick

" J. H. Northrop

" H. J. Davys

Your Council have to record with deep regret the loss by death of the following members :—

Mr. R. W. Finlayson

" T. J. Granger

" D. Salmond

" R. M. Scott

The total number of members of the several grades is now 178 as compared with 149 at the close of last Session.

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

| | | | |
|---|----------|------------------------|----------|
| Russell Sinclair, President, | attended | 11 | meetings |
| James Shirra, Vice-President | „ | 9 | „ |
| H. Adamson | „ | 6 | „ |
| John Sands, Hon. Treasurer | „ | (absent by permission) | |
| H. V. Ahrbecker, Hon. Sec. and Editor | | 11 | meetings |
| G. Boulton, Councillor | „ | 5 | „ |
| T. Brown | „ | 8 | „ |
| A. Christie | „ | 2 | „ |
| E. J. Erskine | „ | 8 | „ |
| J. Fairweather | „ | 10 | „ |
| R. Grant | „ | 5 | „ |
| James Kidd | „ | 8 | „ |
| R. R. King | „ | 8 | „ |
| William Marr | „ | 8 | „ |
| W. H. German, <i>ex-officio</i> M'ber, Past Pres. | | 6 | „ |

BALANCE SHEET.

From the Balance Sheet it will be seen that the Association is in a very satisfactory position, as there is a substantial credit balance after payment of the outstanding liability for the printing of the last of the back volumes and the volume for the current year, which brings the printing up to date.

NEW ROOMS.

During the year the Royal Society decided to reconstruct the Lecture Hall and the other rooms in connection therewith, in consequence of this two general meetings of the Association had to be held in Vickery's Chambers, Pitt-street., and your Council desire to thank the members for bearing with the inconvenience patiently. Since resuming our meetings in the new Lecture Hall, the greater comfort due to improved lighting and ventilation have been highly appreciated.

Your Council had an opportunity of obtaining a lease of two of the new rooms in lieu of the room originally held as a Council Room, and being desirous of obtaining more room for the accomodation of our valuable library, and making both it and the magazines and periodicals more accessible to members and students generally. The opportunity of securing these larger and better rooms was taken advantage of, though at a slight increased rental. Your Council has been pleased to notice the use made by members and students of these advantages, and express their desire that an even more liberal use will be made by members of the Library Room.

PROCEEDINGS.

It is with great pleasure that your Council are able to place on record that the three remaining back volumes Nos. XV., XVI., and XVII. have been edited and printed during the year, and will be issued to members at an early date together with volume for current year.

PRIZES TO STUDENTS.

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 sealed envelope under a "nom de plume." The Committee appointed by the Council to deal with the papers awarded the prizes as follows:— 1st. prize, Mr. G. W. F. Findlay, "Improving the Efficiency of the Steam Engine," 2nd. prize, Mr. R. S. Lloyd, "The Steam Turbine," and owing to the excellence of the paper by Mr. S. M. Brown on "Gas Producers" a special prize of one guinea was awarded to him. Your Council feel gratified at the number of papers submitted, and hope for an even better response next session.

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

October 11th—Topical discussion on “Corrosion of Metals.”

March 14th—The Annual Address, delivered by the President (Mr. Russell Sinclair).

April 11th—Paper on “Machinery of Double Ended Ferry Steamer,” by Mr. Russell Sinclair.

Report of Test Trials of Ferry Steamer “Kookooburra,” by Mr. James Shirra.

May 9th—Discussion on Mr. Russell Sinclair’s paper on “Machinery for Double Ended Ferry Steamer.”

June 13th—Discussion on Professor Warren’s paper on “Reinforced Concrete Constructions.”

July 11th—Paper by Mr. W. H. Grieve on “Steam Turbines.”

August 8th—Discussion on above.

Further data of results from “Double Ended Ferry Steamer with altered Propellers,” by Mr. Russell Sinclair.

September 12th—Reading of Student’s Prize Papers, by the Authors.

STUDENTS’ LECTURES.

The increase in the number of Students being sufficient to warrant your Council in making special arrangements for the delivery of Lectures to them, it was arranged that three meetings should be held during the Session for Students, at which Lectures were delivered, viz:—

June 27th, 1907—Lecture by Mr. R. Sinclair, on “Mechanical Refrigerating Machinery.”

July 18th, 1907—Lecture by Mr. James Shirra, on “Marine Boilers and the rules for their Working Pressure.”

August 29, 1907—Lecture by Mr. E. J. Erskine, on “Some Notes on Electrical Machinery.”

The Lectures were very successful, there being an average attendance of about 30.

Your Council decided in order to allow members generally to have the advantage of perusing the Lectures, that they be printed and issued in pamphlet form.

EXCURSIONS.

November 17—Visit to Cataract Dam.—By the invitation of the Honourable the Minister for Works, an opportunity was afforded members of visiting and inspecting the important Engineering Work being carried out in the construction of the Cataract Dam. There was a very large attendance, and the visit proved very interesting.

December 15—A visit was paid to Messrs. Zollner and Co.'s Works, 30 Druitt-street, to inspect the Watkin's Mechanical Woodworking and Pattern-making Machine, which was of great interest

March 23rd—Trial trips "S.S. Kookooburra."—By the courtesy of the Directors of the Sydney Ferries Limited, this steamer was placed at the disposal of the Association for the purpose of carrying out a series of progressive trials, and the results obtained have already been published in the proceedings.

August 17—Visit to Glaciarium.—At the invitation of Frank Coxon, Esq. and the Directors of the Glaciarium Company, an opportunity was afforded members of inspecting their plant and Skating Rink on this date, which was much appreciated by a large number of members.

ANNUAL DINNER.

This was held at Baumann's Café on the 2nd 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, 1907.

| | £ | s. | d. | | £ | s. | d. |
|---|-----|----|----|------|------|----|----|
| To Balance Bank of N.S.W., | | | | | | | |
| October 1st, 1906 | £27 | 5 | 11 | | | | |
| „ Balance Savings Bank, | | | | | | | |
| October 1st, 1906 | 88 | 1 | 4 | | | | |
| „ Cash in Hand | 3 | 8 | 7 | | | | |
| | | | | 118 | 15 | 10 | |
| „ Subscriptions | | | | 279 | 9 | 9 | |
| „ Entrance Fees, 21 Members at £2 2s. | | | | 44 | 2 | 0 | |
| „ Sale of Proceedings | | | | 3 | 17 | 0 | |
| „ Sale of Certificates | | | | 1 | 9 | 0 | |
| „ Interest on Deposit at Savings Bank of | | | | | | | |
| New South Wales | | | | 4 | 3 | 10 | |
| „ Exchange on Cheque | | | | 0 | 1 | 0 | |
| „ Annual Dinner | | | | 26 | 5 | 0 | |
| | | | | £478 | 3 | 5 | |
| | | | | | | | |
| By Printing and Reporting Proceedings | | | | | 118 | 14 | 4 |
| „ Rent of Rooms | | | | | 67 | 10 | 0 |
| „ Secretary's Salary | | | | | 40 | 0 | 0 |
| „ Stamps (Postage and Duty) | | | | | 25 | 5 | 11 |
| „ General Printing | | | | | 14 | 15 | 11 |
| „ Stationery | | | | | 4 | 0 | 11 |
| „ Insurance | | | | | 1 | 13 | 6 |
| „ Removal of Furniture and Library to new rooms | | | | | 4 | 11 | 6 |
| „ Cleaning Room | | | | | 2 | 2 | 0 |
| „ New Lock and Keys | | | | | 1 | 4 | 0 |
| „ Delivery of Volumes of Proceedings | | | | | 1 | 11 | 6 |
| „ Framing two Certificates | | | | | 8 | 0 | 0 |
| „ Linoleum, New Rooms | | | | | 7 | 15 | 6 |
| „ Window Blinds and Rollers, New Rooms | | | | | 2 | 0 | 6 |
| „ Students' Prizes | | | | | 8 | 8 | 0 |
| „ Sundries | | | | | 4 | 10 | 4 |
| „ Annual Dinner | | | | | 28 | 14 | 1 |
| „ Balance, Bank of N.S.W., | £50 | 2 | 6 | | | | |
| „ „ Savings Bank | 92 | 5 | 2 | | | | |
| „ Cash in Hand | 2 | 9 | 9 | | | | |
| | | | | | 144 | 17 | 5 |
| | | | | | £478 | 3 | 5 |

Audited and found correct.

HENRY JOHN VALE, }
RICHARD R. KING, } AUDITORS.

Oct. 2, 1907.