

THE ENGINEERING ASSOCIATION

OF

NEW SOUTH WALES

Established 1870.

Incorporated 1884.

SESSION 1915-1916.

PART I.

MINUTES OF PROCEEDINGS

OF THE ANNUAL GENERAL MEETING, HELD AT THE
ROYAL SOCIETY ROOMS, 5 ELIZABETH STREET, SYDNEY,
ON THURSDAY, 21ST OCTOBER, 1915.

Present.—Professor S. H. E. Barraclough, in the chair,
and about 70 members.

Notice.—The notice convening the meeting was taken
as read.

Minutes.—The minutes of the previous meeting were
read and confirmed.

Report for year.—The Hon. Secretary read the report
of the Council for the year.

Accounts.—The Hon. Treasurer made a statement as
to the financial position of the Association, pointing out
the satisfactory result of the year's financial operations.
It was resolved that the report and balance sheet be
adopted.

Election of Officers and Council for Session 1915-16.—
The President read the certificate of the scrutineers ap-
pointed to conduct the ballot:—

President

Mr. J. W. BRAGG.

Vice-Presidents

Mr. D. F. J. HARRICKS.

Mr. A. F. SAUNDERS.

Hon. Treasurer

Mr. ALEX. STOBO.*

Hon. Sec. and Editor

Mr. J. McNAMARA.

Councillors

Mr. P. A. FILDES.

Mr. W. SINCLAIR.

Mr. W. REEKS.

Mr. H. L. THOMPSON.

Mr. G. A. JULIUS.

Com. G. H. BROMWICH.

Mr. A. W. TOURNEY HINDE

Mr. A. J. HART.

Mr. J. G. McEWIN.

Ex-officio Member: Professor S. H. E. BARRACLOUGH.

*Resigned. Mr. B. W. Jones, elected to Council.

Mr. H. L. Thompson, Treasurer.

Presidential Address.—The retiring President then read his address, and at the conclusion asked Mr. Bragg to occupy the President's chair.

Mr. Bragg proposed a vote of thanks to Professor Barraclough for his valuable address, the vote of thanks also to express the appreciation of the members of the valuable time and services which Professor Barraclough had given to the Association. The motion was seconded by Mr. Harricks, and supported by Mr. Tourney Hinde (who suggested that the Association should arrange for the publication of the address as widely as possible), and was carried with acclamation.

Professor Barraclough acknowledged the vote of thanks.

Mr. Bragg, on behalf of the newly-elected Council, thanked the members for the confidence shown in electing them to their present positions.

The meeting then terminated.

(Signed) J. W. BRAGG.

Minutes of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 9th March, 1916.

Present.—The President, Mr. J. W. Bragg, occupied the chair, and about 40 members were present.

Notice.—The notice convening the meeting was taken as read.

Minutes.—The minutes of the Annual General Meeting were read and confirmed.

Ballot for New Members.—Members: Mr. J. W. Mackie, Manager Ropeway Department, Gibson, Battle & Co., Ltd., Kent Street, Sydney; Mr. A. J. Debenham, Civil Engineer, Sydney Harbour Trust. Associate Member: Mr. C. G. Calman, Engineer of Wm. Adams & Co., Ltd., 175 Clarence Street, Sydney.

The above having been duly nominated and approved by the Council, were balloted for and unanimously elected.

Munitions.—The President announced that nothing further could be done regarding the proposed munitions factory until word was received from the Premier.

Paper.—The President called upon Mr. Poole to read his paper, entitled “The Bulk Handling of Grain.”

The discussion was opened by Mr. A. Hart, who proposed a vote of thanks to Mr. Poole for his very interesting paper. He was followed by Mr. Hector Kidd, who seconded the motion. The other speakers were Messrs. Tournay Hinde and Burton, and the President.

Mr. Poole, in acknowledging the vote of thanks, replied to the various points raised.

(Signed) D. F. J. HARRICKS, Vice-President.

Minutes of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 13th April, 1916.

Present.—The Vice-President, Mr. D. F. J. Harricks, occupied the chair, and about 35 members were present.

Notice.—The notice convening the meeting was taken as read.

Minutes.—The minutes of the previous meeting were read and confirmed.

Ballot for New Members.—Member: Albert Charles Nicholson, Naval Civil Engineer, Garden Island, Sydney. Associate Member: Arthur Harold Perritt, Electrical Engineer, British-Australian Tobacco Co., Kensington.

The above having been duly nominated and approved by the Council, were balloted for and unanimously elected.

Presentation of Students' Prizes.—The Vice-President announced that the prize of £5/5/- presented to the Students' Section had been awarded by the adjudicators to Mr. J. W. Lees, for his paper on “Elastic and Vulcanite Grinding Wheels.”

Announcements.—The Vice-President announced the death of Mr. Robert Pollock, the oldest member of the Association, and referred to Mr. Pollock's powerful and useful influence in the Association.

It was announced that, on account of his liability to be frequently absent from the State, the Hon. Treasurer, Mr. Alex. Stobo, had found it necessary to resign from the position, and the vacancy had been filled by the Council by the appointment of Mr. H. L. Thompson as Hon. Treasurer.

Munitions.—It was announced that the Association's offers of assistance in regard to munitions could not be availed of at present by the authorities.

Paper.—The Vice-President called upon Mr. Tourney Hinde to read his paper, entitled "Notes on Some Experiments on the Flow of Air in Lead Blast Furnaces."

The discussion was opened by Mr. Wm. Sinclair, who proposed a hearty vote of thanks to Mr. Tourney Hinde for his interesting paper. He was followed by Mr. Poole, who seconded the motion, and the Vice-President.

Mr. Tourney Hinde, in acknowledging the vote of thanks, replied to the various points raised.

(Signed) J. W. BRAGG.

Minutes of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 11th May, 1916.

Present.—The President, Mr. J. W. Bragg, occupied the chair, and about 35 members were present.

Notice.—The notice convening the meeting was taken as read.

Minutes.—The minutes of the previous meeting were read and confirmed.

Ballot for New Member.—Mr. William Ritchie Morris, having been duly nominated and approved by the Council as a Student Member, was balloted for and unanimously elected.

Paper.—The President called upon Mr. J. W. Mackie to read his paper, entitled "Aerial Ropeways."

The discussion was opened by Mr. A. J. Debenham, who proposed a hearty vote of thanks to Mr. Mackie for his interesting paper. He was followed by Mr. McEwin, who seconded the resolution.

The other speakers were Messrs. Poole, Sinclair, Harricks, Oram, Tourney Hinde, Julius, and the President.

Mr. Mackie, in acknowledging the vote of thanks, replied to the various points raised.

(Signed) D. F. J. HARRICKS, Vice-President.

Minutes of General Meeting, held at Olympia Theatre, Darlinghurst, on Thursday, 8th June, 1916.

Present.—The President, Mr. J. W. Bragg, occupied the chair, and about 50 members and friends were present.

The President introduced the lecturer, Mr. C. Wilkin, and welcomed the visitors.

Lecture.—Mr. Wilkin then delivered a lecture on the "History and Principle of the Brennan Third Rail Device," which was illustrated by cinematograph pictures of the preliminary tests at Messrs. W. Thornley & Sons' yards, and of the official tests at Tocumwal, New South Wales.

At the conclusion of Mr. Wilkin's lecture, the Hon. Mr. Hoyle, Minister for Railways, explained the position of the Government in the matter, and the immediate necessity for some system of unification of gauges.

A vote of thanks was proposed to the proprietors of the theatre and the Union Theatres, Ltd., and to Mr. Waite, for the trouble they had taken in connection with the meeting, and was carried by acclamation.

(Signed) D. F. J. HARRICKS, Vice-President.

Minutes of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 13th July, 1916.

Present.—The Vice-President, Mr. D. F. J. Harricks, occupied the chair, and about 30 members and friends were present.

Minutes.—The minutes of the General Meetings held on May 11th and June 8th respectively were read and confirmed.

Ballot for New Members.—Student: Victor Kenniff, David Gould Poyitt, Archie F. G. Stafford, Henry Roy Coulson. Graduate: Alfred Charles Armstrong. Associate Member: Frederick Thomas Paisley. Members: William G. R. Snellgrove, Seldon Milne Mitchell.

The above having been duly nominated and approved by the Council, were balloted for and unanimously elected.

New Councillor.—The Vice-President announced that the Council had appointed Mr. B. W. Jones as a member of the Council, in place of Mr. A. Stobo, resigned.

Paper.—The Vice-President then called upon Mr. Sinclair to read his paper, entitled, "The Colonial Type Boiler, Land, and Marine."

The discussion was opened by Mr. Reeks, who proposed a hearty vote of thanks to Mr. Sinclair for his interesting paper. He was followed by Mr. Tournay Hinde, who seconded the resolution. The other speakers were Mr. Shirra, Mr. Hasemer, and the Vice-President.

In acknowledging the vote of thanks, Mr. Sinclair replied to the various points raised.

(Signed) J. W. BRAGG.

Minutes of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 10th August, 1916.

Present.—The President, Mr. J. W. Bragg, occupied the chair, and about 30 members were present.

Minutes.—The minutes of the previous meeting were read and confirmed.

Announcements.—Miners' Corps Fund Concert: The President referred to the circular letter which had been sent out in connection with the Miners' Corps Comfort Fund Concert, and stated that the Council looks to all members to take a personal interest in this concert.

Election of Members to the Association.—The President notified that on account of the new rules, and the desire of the Council to maintain a high standard of membership, it would be as well if members of the Association, when proposing new members, should have the applications made out for the grade of Associate member, rather than that of member, and if, after consideration by the Council, it is decided that the candidate is qualified for full membership, he will be notified to that effect.

Paper.—The President called upon Mr. McEwin to read his paper on "Lubrication."

The discussion on the paper was opened by Mr. Tournay Hinde, who proposed a hearty vote of thanks to Mr. McEwin for his interesting paper. He was followed by Mr. Julius, who seconded the motion, other speakers being Mr. Harricks and the President.

In acknowledging the vote of thanks, Mr. McEwin referred to the various points raised.

(Signed) J. W. BRAGG.

Minute of General Meeting, held at the Royal Society Rooms, 5 Elizabeth Street, Sydney, on Thursday, 14th September, 1916.

Present.—The President, Mr. J. W. Bragg, occupied the chair, and about 40 members were present.

Minutes.—The minutes of the previous meeting were read and confirmed.

Ballot for New Members.—Student: K. V. Sinclair. Associate Members: H. J. Bartlett, T. G. Bennett, A. R. Williams.

The above, having been duly nominated and approved by the Council, were balloted for and unanimously elected.

Scrutineers for Election of New Council.—Messrs. G. W. F. Findlay and W. B. Holland were proposed as Scrutineers for the election of the new Council, and unanimously elected.

Paper.—The President called upon Mr. Bremner to read his paper on the "Commercial Manufacture of Oxygen."

The discussion was opened by Mr. Harricks, who proposed a hearty vote of thanks to Mr. Bremner for his interesting paper. He was followed by Mr. Tournay Hinde, who seconded the resolution, the other speakers being Messrs. Poole, Gale, McNamara, Howarth, and the President.

In acknowledging the vote of thanks, Mr. Bremner replied to the various points raised.

(Signed) J. W. BRAGG.