

THE ENGINEERING ASSOCIATION

OF

NEW SOUTH WALES.

Established 1870.

Incorporated 1884.

SESSION 1912-1913.

PART I.

MINUTES OF PROCEEDINGS

OF THE ANNUAL GENERAL MEETING, HELD AT THE
SOCIETY'S ROOMS, 5 ELIZABETH STREET, SYDNEY,
ON THURSDAY, THE 10TH OCTOBER, 1912.

Present.—The President, Mr. G. A. Julius, in the chair,
and about 50 members.

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

Ballot for New Member.—Member—Mr. John Sonner-
dale, 3 and 5 Bridge-street, Petersham, having been duly
nominated and approved by Council, was balloted for and
unanimously elected.

Allocation of Prizes for Students' Competitive Papers.
—The President, Mr. G. A. Julius, announced that three
papers had been received from the Student Members in
connection with the Students' Competitive Papers, and
that the Council had decided on the report presented by
the Committee appointed to deal with the papers, to award
the prizes as follows:—

First Prize.—Mr. G. N. Tregarthen, £5 5s. for his paper
on "Economiser Notes."

Second Prize.—Mr. W. R. Medway Smith, £2 2s. for his
paper on "Experiences with some of the Valves on the
Ships' Sides."

As both prize winners were absent from the State, the
amount of their prizes would be remitted them in due
course.

ANNUAL REPORT OF COUNCIL AND BALANCE SHEET.

On the motion of the President, Mr. G. A. Julius, seconded by Mr. Walter Reeks, the Annual Report of Council and Balance Sheet were adopted.

Announcement of result of ballot for election of officers and Council for the ensuing session.

The President, Mr. G. A. Julius, announced the result of the ballot as follows:—

President: Mr. G. A. Julius (re-elected).

Vice-Presidents: Mr. Walter Reeks (re-elected), Professor S. H. Barraclough.

Hon. Treasurer: Mr. C. J. Holroyde.

Hon. Secretary and Editor: Mr. D. F. J. Harricks.

Members of Council: Mr. J. W. Bragg, Mr. Andrew Christie, Mr. A. H. Friend, Mr. W. H. Grieve, Mr. James Macartney, Mr. Jas. McNamara, Mr. James Shirra, Mr. William Sinclair, Mr. Robert Steel.

The President, Mr. G. A. Julius, and the Senior Vice-President, Mr. Walter Reeks, thanked the members of the Association for the honor conferred on them by their re-election.

Mr. Edward J. Erskine said the thanks of the members of the Association were due to Mr. Julius for the time and interest he was devoting to the Society, and the sacrifice he was making in accepting a further term of office.

Discussion on Mr. G. Duncan-Moffat's paper on "The Overtyping 'High Super-heat' Steam Engine".—The discussion was opened by Mr. D. F. J. Harricks, followed by Mr. William Sinclair, Mr. James Shirra, Mr. Forbes Mackay, Mr. H. C. A. Eggers, and the President, Mr. G. A. Julius.

Mr. G. Duncan-Moffat replied to the various points raised.

The meeting then terminated.

(Signed) WALTER REEKS, Vice-President.

OPENING MEETING OF 43rd SESSION.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, on Thursday, the 13th March, 1913:—

Present.—The Senior Vice-President, Mr. Walter Reeks, in the chair, and about 60 members.

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

Ballot for New Members.—Members—Mr. Henry Alston Stanley Holliday, Colonial Sugar Refining Co., Ltd., O'Connell-street, Sydney; Mr. Morgan J. Johns, Mount Morgan Gold Mining Co., Mount Morgan, Queensland; Mr. Telford Stevenson Martin, 284 Castlereagh-street, Sydney, having been duly nominated and approved by Council, were balloted for and unanimously elected.

Presidential Address by Mr. G. A. Julius.—The Senior Vice-President, Mr. Walter Reeks, in the absence of the President, Mr. G. A. Julius, then delivered the latter's Presidential Address. This proved to be of a highly interesting character, as it touched upon various matters of absorbing interest, and more particularly dealt with the question of the Training of the Engineering Apprentice.

On the motion of Mr. James Shirra, seconded by Mr. William Sinclair, that a very hearty vote of thanks be accorded Mr. Julius for his instructive and helpful address. This was carried by acclamation.

The meeting then terminated.

Signed WALTER REEKS, Vice-President.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, the 10th April, 1913:—

Present.—The Senior Vice-President, Mr. W. Reeks, in the chair, and about 60 members.

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

Ballot for New Member.—Archibald N. Sinclair, having been duly nominated and approved by Council, was balloted for and unanimously elected.

Paper on "The Alignment of Machinery," illustrated with lantern slides, by Mr. William Sinclair.—Paper read and lantern slides explained by Mr. Sinclair.

Mr. R. King, in opening the discussion, proposed that a hearty vote of thanks be accorded Mr. Sinclair for his paper, which was seconded by Mr. W. R. Wright, followed by Mr. P. F. Allan, Mr. D. Chalmers, Mr. R. Sykes, and the Chairman, Mr. W. Reeks.

Mr. W. Sinclair then replied to the various points raised.

The meeting then terminated.

Signed WALTER REEKS, Acting President.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, the 8th May, 1913:—

Present.—The President, Mr. G. A. Julius, in the chair, and about 65 members.

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

Ballot for New Members.—Member—Arthur John Hart, Civil Engineer, Pendennis Chambers, 375 George-street Sydney; Robert Hugh Walker, Mechanical Engineer, 16 Spring-street, Sydney; Student Associate—George Burrell Game, Engineering Draftsman, 82 Pitt-street, Sydney; Student—George Bill, Student, The University, Sydney, having been nominated and approved by Council, were balloted for and unanimously elected.

Paper on "Auto-Electrolysis and its Relation to the Corrosion of Iron and Steel," illustrated with lantern slides, by Mr. James McNamara.—Paper read and lantern slides explained by Mr. McNamara.

Mr. A. J. Hart, in opening the discussion, proposed that a very hearty vote of thanks be accorded Mr. McNamara for his very excellent paper, followed by Mr. James Shirra, who seconded the motion of thanks, Mr. W. Sinclair, Mr. R. Sykes, and Mr. J. L. Wright.

The President put the motion to the meeting, and it was carried by acclamation.

Mr. McNamara then replied to the various points raised in the discussion.

The meeting then terminated.

Signed G. A. JULIUS, President.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, 12th June, 1913.

Present.—The President, Mr. G. A. Julius, in the chair, and about 50 members.

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

Ballot for New Members.—Member—Mr. Wm. Edmonds, Mechanical Engineer, c/o C.S.R. Co., Ltd., Pyrmont; Student—Mr. S. J. McAuliffe, c/o Messrs. G. & C. Hoskins, Wattle-street, Ultimo; Student—Mr. W. E. Pike, The University, Sydney, having been duly nominated and approved by Council, were balloted for and unanimously elected.

Paper on "The Commercial Use of Motors," by Mr. Eric F. Boulton.—Paper read by Mr. Boulton.

Mr. Saunders, in opening the discussion, proposed a very hearty vote of thanks be accorded Mr. Boulton for his excellent paper, followed by Mr. W. H. Grieve, who seconded the motion, Mr. McIntosh, Mr. McNeil, Mr. Holland, and Mr. Chapman.

The President put the motion to the meeting, and it was carried by acclamation.

Mr. Boulton acknowledged the vote of thanks and replied to the various points raised in the discussion.

The meeting then terminated.

Signed G. A. JULIUS, President.

10th July, 1913.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, 10th July, 1913.

Present.—The President, Mr. G. A. Julius, in the chair, and about 60 members.

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

Ballot for New Member.—Mr. John Lawson, Inspecting Engineer, Boiler Insurance Department, c/o Queensland Insurance Co., Ltd., Sydney, having been duly nominated and approved by Council, was balloted for and unanimously elected.

Paper on "The Strength of Autogenous (Oxy-Acetylene) Welds and of Welded Drums," in three parts, by Professor S. H. Barraclough and Mr. H. A. Rorke, illustrated with lantern slides.—Paper read by Professor Barraclough.

Mr. Shirra, in opening the discussion, proposed a very hearty vote of thanks be accorded Professor Barraclough and Mr. Rorke for their excellent paper, followed by Mr. Sinclair, who seconded the motion, Mr. McEwin, and the President.

The President put the motion to the meeting, and it was carried by acclamation.

Prof. Barraclough acknowledged the vote of thanks on behalf of Mr. Rorke and himself, and replied to the various points raised in the discussion.

The meeting then terminated.

Signed G. A. JULIUS, President.

14th August, 1913.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, the 14th August, 1913:—

Present.—The President, Mr. G. A. Julius, in the chair, and about 70 members.

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

Ballot for New Members.—Member—Commander Geo. Herbert Bromwich, General Manager Garden Island, Sydney; Ernest Bale, Naval Civil Engineer for N.S.W., Garden Island, Sydney; Francis Joseph Healy, Engineer, 11 Burns-street, Darling Harbour, Sydney; Hector Oram, Draftsman, Railway Construction Branch, Department of Public Works, Sydney; Richard Charles Cliff, Consulting Engineer, 4 Castlereagh-street, Sydney; Jack Payne, Engine Works Manager, Government Dockyard, Cockatoo Island, Sydney; Student—Gilbert D. Perry, Student, Technical College, Sydney; Basil H. McClure, Student, Technical College, Sydney, having been duly nominated and approved by Council were balloted for and unanimously elected.

Paper on "Wireless Telegraphy," by Mr. C. P. Bartholomew, illustrated with lantern slides.—Paper read by Mr. Bartholomew.

Mr. Walter Reeks, in opening the discussion, proposed a very hearty vote of thanks be accorded Mr. Bartholomew for his excellent paper, followed by Mr. McNamara, who seconded the motion, and Mr. Brain.

The President put the motion to the meeting, and it was carried by acclamation.

Mr. Bartholomew briefly acknowledged the vote of thanks.

The meeting then terminated.

Signed WALTER REEKS, Acting President.

11th September, 1913.

Minutes of the General Meeting held at the Society's Rooms, 5 Elizabeth-street, Sydney, on Thursday, 11th September, 1913:—

Present.—The Senior Vice-President, Mr. Reeks, in the chair, and about 70 members.

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

Smoke Concert.—It was resolved that a Smoke Concert be held this year.

Ballot for New Members.—Member—Mr. James Vicars, Challis House, Sydney; Mr. Charles C. Dudley, Commonwealth Naval Dockyard, Cockatoo Island; Mr. Bernard W. Jones, 535 Kent-street, Sydney; Mr. Percy Arthur Fildes, Department of Public Works, Sydney; Student—Mr. Stuart C. Campbell, c/o Y.M.C.A., Pitt-street, Sydney; Mr. John Withers, Granville, having been duly nominated and approved by Council, were balloted for and unanimously elected.

Paper on "Re-inforced Concrete," by Mr. A. J. Hart, illustrated with lantern slides.—Paper read by Mr. Hart.

Mr. Vicars proposed that a very hearty vote of thanks be accorded Mr. Hart for his interesting paper, seconded by Mr. Grieve, followed by Messrs. Nangle, Buchanan, Harricks, Power and others, and carried unanimously.

Mr. Hart replied to the various points raised.

The meeting then terminated.

Signed G. A. JULIUS, President.

9th September, 1913.