

SESSION



1919-20

President: LORD WEIR OF EASTWOOD.

---

---

## Minutes of Proceedings

AT THE

# Annual Meeting

*ON FRIDAY, MARCH 26th, 1920, at 6.30 p.m.*

CHAIRMAN: THE PRESIDENT.

The PRESIDENT: To-night I am going to be very brief, not to occupy much of your time as we have a great deal of business to get through, but I want to say how glad I am to be able to come down to-night to preside at the annual meeting. We are about to review the activities of the past Session and your Chairman of Council and managing directors will give you an account of their stewardship for the year. The Report about to be read is so full and so detailed that I am not going to anticipate it in any way, except to say that it is my conviction that in many ways the year has been one of great prosperity for the Institute; we have had a large addition to the membership and many excellent papers have been read. This, I am sure, is owing to the capable work and self sacrificing efforts of your Office Bearers and Council. Without further delay we will take the business of the evening.

Mr. O. B. RICHARDSON: I have pleasure in proposing Messrs. F. A. Corns and H. E. Newton to perform the duties of Scrutineers.

Mr. HARGREAVES seconded and the appointment was agreed to.

Lord WEIR: I will now ask the Hon. Secretary to deal with the Report.

## Annual Report.

### SESSION 1919-20.

THE progressive advancement of the Institute has been maintained during the past Session; the following summary indicates to members at home and abroad the various details which have engaged our attention.

THE MEMBERSHIP has been steadily increasing in the proportion undernoted. We have recorded with sympathetic regrets many of our members who have passed away, some due to enemy action.

MEMBERSHIP.	Jan. 31, 1919.	Transfers		Elected.	Died.	Re- signed.	Ad- dresses wanted.	Jan. 31, 1920.
		from	to					
Past Presidents (Non-Members), Hon. Vice-Presidents and Hon. Members .. ..	14	—	—	—	—	—	—	14
Members .. ..	1,587	—	13	257	21	1	108	1,727
Associate Members ..	111	10	9	32	1	—	12	129
Associates .. ..	55	7	2	12	1	—	12	49
Graduates .. ..	54	7	—	12	—	—	8	51
Companions .. ..	81	—	—	8	1	—	6	82
Totals .. ..	1,902	24	24	321	24	1	146 §	2,052

§ Omitted from net total till again in communication.

Our President manifested great interest in the Institute's work and called a meeting of Council in order to discuss the various details and become more closely associated with these. A report of the meeting was published in our June issue. It was with pleasure that we received the consent of Lord Weir to continue in office as President for another year.



THE PAPERS AND LECTURES delivered during the Session were as per the following programme:—

DATE 1919.	SUBJECT.	AUTHOR.	CHAIRMAN.
Feb. 18th..	Education & Training of Engineers .. .. .	PROF. A. P. M. FLEMING	A. BOYLE (Vice-President).
Feb. 24th..	Winning and Preparation of Coal .. .. .	J. H. ANDERSON (Member)	A. BOYLE (Vice-President).
Mar. 4th..	Transport and Handling of Coal	J. H. ANDERSON (Member)	B. P. FIELDEN. (Chairman of Council).
Mar. 18th..	Evolution in Propulsion of the Modern Super - Submersible Torpedo Boat.... ..	Capt. N. H. WOOD, R.A.F. (Member)	A. BOYLE (Vice-President),
April 15th..	Evolution in Propulsion of the Modern Super - Submersible Torpedo Boat (Part II.) ..	Capt. N. H. WOOD, R.A.F. (Member)	J. ADAMSON (Hon. Sec.)
May 5th ..	The Marine Air Pump as a Power Factor .. .. .	H. W. WALKER (Member)	B. P. FIELDEN (Chairman of Council).
May 13th..	Gearing as Applied to the Marine Steam Turbine .. .. .	J. HOUSTON (Member)	B. P. FIELDEN (Chairman of Council).
† Sept. 30th	The History of the Steamship ..	JOHN HOUSTON (Member)	JOHN CLARK (Member)
† Oct. 7th..	The Development of the Internal Combustion Engine .. ..	CHAS. BAXTER (Member)	J. SHANKS (Vice-President).
† Oct. 14th	Special Form of Ship Keel Structure providing a Clear Fore and Aft Passage .. .. .	E. F. SPANNER (Member)	B. P. FIELDEN (Chairman of Council).
† Oct. 18th	The Electrification of Ships ..	CAPT. DURTNALL R.A.F. (Member)	A. BOYLE (Vice-President).
Oct. 28th ..	The Circulation of Water in Boilers .. .. .	A. E. JORDAN (Member)	B. P. FIELDEN (Chairman of Council).
Nov, 5th ..	Boiler Heating Surface.. ..	G. J. WELLS (Member)	JAS. SHANKS (Vice President).
Nov. 18th..	Discussion on "Special Form of Ship's Keel to give a Clear Fore and Aft Passage" ..	A. J. SPANNER (Member)	B. P. FIELDEN (Chairman of Council).
Dec. 2nd ..	Presidential Address .. ..	LORD WEIR OF EASTWOOD.	
Dec. 9th ..	Discussion on "Electrification of Ships" .. .. .	Capt. DURTNALL, R.A.F. (Member)	A. BOYLE Vice-President).

† Read at the Shipping and Engineering Exhibition, Olympia.

DATE	SUBJECT.	AUTHOR.	CHAIRMAN.
1919.			
Dec. 16th ..	Discussion on "Special Form of Ship's Keel to give a Clear Fore and Aft Passage"	E. F. SPANNER (Member)	B. P. FIELDEN (Chairman of Council).
Dec. 23rd ..	Notes on Solid Fuel for Diesel Engines, and Discussion on Mr. Baxter's Paper .. ..	D. P. PEEL (Member)	B. P. FIELDEN (Chairman of Council).
1920.			
Jan. 6th ..	"Oil from Well to Consumer"	J. H. WILLIAMS	G. J. WELLS (Member of Council).
Jan. 27th ..	Discussion on the above.. ..		G. J. WELLS (Member of Council).

The abnormal costs in connection with the printing are still disturbing elements towards maintaining the important link as strong as possible by means of our monthly issues, with our membership at home and abroad and evidence shows that our efforts in this direction have been appreciated. The advertising pages have been increased and are still being added to as a means of placing before the members and friends the specialities of firms more or less associated with marine engineering. The financial assistance due to this section of our issues helps towards the cost of upkeep.

THE LIBRARY AND READING ROOM have been made good use of to a growing extent. The additions and donations received with thanks to the donors are as follows:—

#### ADDITIONS TO LIBRARY, SESSION 1920.

SUBJECT.	PRESENTED BY
17 Bound Vols. of The Shipbuilder (1 to 13) .. .. .	J. W. Richardson (Vice-President)
Transactions of the Institution of Mechanical Engineers, Oct. to Dec. 1918 .. .. .	The Council
The Journal of the Institute of Metals (Vol. 21) .. .. .	The Council
Handbook of Ship Calculations, etc. (Chas. H. Hughes) .. .. .	
Harwich Naval Forces (E. F. Knight)	S. H. Terry (Member)
More Sea Fights of the Great War, by W. L. Wyllie, R.A., O. Owen and W. D. Kirkpatrick .. .. .	S. H. Terry (Member)