

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

SESSION



1897-8.

PROGRAMME OF NINTH ANNUAL MEETING

AT
58 ROMFORD ROAD, STRATFORD, E.,
FRIDAY, APRIL 15th, 1898.

CHAIRMAN: MR. S. C. SAGE (*Chairman of Council*).

The CHAIRMAN.

Appointment of Scrutineers—

Proposer, Mr. F. COOPER (*Member*).

Secunder, Mr. J. R. RUTHVEN (*Member*).

The Annual Report—

Mr. JAS. ADAMSON (*Hon. Secretary*).

Mr. GEO. SLOGGETT

(*Hon. Sec. Bristol Channel Centre*).

Mr. JOHN GRIFFITHS

(*Hon. Sec. Southampton Centre*).

Financial Statement—

Mr. F. W. SHOREY (*Hon. Treasurer*).

Adoption of Reports—

Proposer, Mr. J. G. HAWTHORN

(*Member*).

Secunder, Mr. C. NOBLE (*Member*).

Vote of Thanks to the Retiring President,

J. Fortescue Flannery, Esq., M.P.—

Proposer, Alderman G. W. KIDD

(*Member*).

Secunder, Mr. T. F. AUKLAND

(*Companion*).

Response—The PRESIDENT.

Vote of Thanks to Office Bearers and

Council—

Proposer, Mr. J. E. ELMSLIE (*Member*).

Secunder, Mr. Jas. Y. LOWE (*Member*).

Response, The HON. SECRETARY.

Vote of Thanks to the Auditors—

Proposer, Mr. A. CAMPBELL (*Member*).

Secunder, Mr. BASIL JOY

(*Associate Member*).

Response, Messrs. REDMAN and
JOHNSTON.

Vote of Thanks to the Hon. Solicitor—

Proposer, Mr. F. W. SHOREY

(*Hon. Treasurer*).

Secunder, Mr. A. SCOBIE (*Member*).

Response, Mr. J. NEELY.

Report of Scrutineers—

Messrs. A. H. MATHER and W.

MCLAREN (*Members*).

Vote of Thanks to Scrutineers—

Proposer, Mr. A. B. BULL (*Member*).

Secunder, Mr. H. C. WILSON (*Member*).

Response, Messrs. MATHER and
MCLAREN.

Appointment of Auditors—

Proposer, Mr. N. K. MCLEAN (*Member*).

Secunder, Mr. JAS. GIRVIN (*Member*).

Vote of Thanks to Chairman—

Proposer, Mr. GEO. INGLIS (*Member*).

Secunder, Mr. H. C. WILSON

(*Member*).

Response, The CHAIRMAN.

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

SESSION



1897-8.

President—J. FORTESCUE FLANNERY, ESQ., M.P.

The ANNUAL MEETING of the Institute of Marine Engineers was held at the Institute premises on Friday evening, April 15, 1898. In the unavoidable absence of the President the chair was occupied by Mr. S. C. Sage.

After a few preliminary remarks by the Chairman, the appointment of Scrutineers to examine the voting papers and report the result to the Meeting was moved by Mr. F. Cooper (Member), and seconded by Mr. J. R. Ruthven (Member). The resolution covering the appointment of Messrs. W. McLaren (Member) and A. H. Mather (Member) was approved and carried. The Scrutineers then retired to prepare their statement. The Annual Reports and Financial Statements were then submitted as follows :

ANNUAL REPORT, 1897-8.

Another year, with its record of change and discovery, has passed away ; another volume of the *Transactions* of the Institute of Marine Engineers has been closed, its pages containing expressions of thoughts and experience which go to assist in the work of national progress ; and, in presenting the Ninth

Annual Report, the office-bearers and Council have to congratulate the members on the result of the year's proceedings.

MEMBERSHIP.—During the year we have lost by death several prominent members whose connection with the Institute in its inner life was of great value and help to its progress, as will be seen from the following list :

A. W. ANDERSON (Member), late Superintendent Engineer of the National Line of steamers in London, who died in June, 1897, at Forest Gate, Essex.

J. E. BARR, in the service of the Union Steamship Co. for about fifteen years, latterly Chief Engineer, ss. *Moor*, died at Southampton, October, 1897.

P. M. BLACK (Member), formerly an Engineer in the service of the P. & O. Co., but latterly engaged on shore in Greenock, where he died October, 1897.

C. J. CHISHOLM (Associate), Engineer in the service of the P. & O. Co., Second Engineer of the *Aden*, in which steamer he was lost off Socotra in June, 1897.

D. J. BRAND (Member), a former Vice-President, who was engaged in business as partner in the firm of Brand, Dryburgh & Co., Engineers, in Queensland, died suddenly at Townsville in October, 1897.

H. IVES (Member), connected with the firm of Messrs. Blundell Bros., who died suddenly at the works in August, 1897, while occupied in his duties.

A. D. PATERSON (Member), Consulting Engineer, died at Walthamstow in September, 1897.

G. PRICE (Member), who died at Cardiff in August, 1897.

J. C. RAVEN (Member), more immediately connected with the Bristol Channel Centre, died at Cardiff in September, 1897.

JOHN STEWART (Vice-President), for many years the active senior partner and founder of the firm of Messrs. John Stewart & Son, Blackwall Iron Works, but lately retired, died at Brighton, October, 1897.

ARCHIBALD THOMSON (Vice-President), Consulting Engineer, took a warm interest in the work of the Institute from its early days, and was well known and esteemed; died September, 1897.

JOHN THOMSON (Companion), partner in the firm of Messrs. A. & J. Thomson, Coppersmiths, who before the Institute was formed was eager to help in its formation, and rendered great service in the initial stages; died October, 1897.

JOHN H. THOMSON (Vice-President), one of the initiators of the plan which resulted in the formation of the Institute, faithful and earnest in working, devoting himself to its interests in an eminent degree as Member of Council and of Committee; he served as Chairman of Council with great acceptance; died suddenly January 23, 1898.

Since the above was written we have to record the loss of another member, connected with the Bristol Channel Centre, J. M. NISBET (brother of Mr. Nisbet, the novelist), who died at Cardiff, March 30, after a long illness, amid the regrets of a large number of members.

The death by drowning at Adelaide on March 30 of HUGH EAGLESOM (Member), Chief Engineer, *India* (British India Co.), of which intimation has been received by cablegram; and the death on April 1 of

DAVID MEIKLEREID (Member), Superintendent-Engineer China Mutual Steam Navigation Co., have also been recorded with very great regret.

To the relatives and friends of those who have thus been called away our sympathies go forth anew as we place their names on record.

A legacy of £100 was received from the estate of the late J. STEPHENS (Member), who died last session.

In addition to the thirteen removals by death, to January 31, thirteen members resigned, and seventy-seven were removed from the roll. References made last year to the lack on the part of members of notifying any change of address, also of allowing subscriptions to fall into arrears, have proved productive of great improvement, especially as to the latter—a considerable amount of arrears having been received; yet there are many members whose papers have been returned from the addresses given as “not known.” The Council has thus been compelled to remove from the roll a large number of names (seventy-seven) of those who have failed to respond to the notices issued to them.

The membership roll was added to by 55 during the year ending January 31, 1898, at which date it stood at 983, as follows :

	Totals	Elected	Deaths	Resig- nations	Re- movals
Members... ..	732	41	11	13	60
Associate Members	66	4	—	—	7
Associates	72	2	1	—	8
Graduates	65	3	—	—	2
Companions	48	5	1	—	—
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
At Jan. 31, 1898	983	55	13	13	77

The addition to the membership has not been so great as in former years; the previous session showed an addition to the roll of 113.

PROPERTY.—The Institute buildings and freehold property have been kept in repair during the year, but no alterations or renewals of any note have been made. A few presentations have been made to the museum by members. These have been duly acknowledged.

PAPERS AND DISCUSSIONS.—The ordinary meetings have been held on the second and fourth Monday of each month during the session, in the course of which six papers have been read and discussed; these have been printed and are being issued to members. A visit was paid to the Electric Welding Co.'s Works, Pimlico, as a result of a paper read the previous Session on Electric Welding by Mr. Sidney F. Walker (Member). The Denny medal was awarded by the Council to Mr. Frank Cooper (Member), for his paper on "Engineers and the Royal Naval Reserve" (Session 1896-97).

TRANSACTIONS.—As usual the papers for the previous Session have been bound up in uniform style for members desirous of keeping the proceedings in volume form year by year for convenient reference. Seventy-one volumes have been bound and disposed of during the Session, and orders are still being executed for Vol. VIII and previous volumes.

EDUCATIONAL.—Classes for Mathematics and Electricity as well as for Drawing have been carried on during the Session, but the result has been disappointing in respect to the attendances. The classes have been carried on under great disadvantage—one element contributing to the bad attendance has been the unhappy dislocation of business by reason of the labour troubles, and the irregular and late hours imposed upon many to cope with necessary work in limited time.

READING ROOM AND LIBRARY.—The Reading Room and Library have been kept open for the use of

members; several contributions of books have been made, and the Reading Room has been well supplied with technical literature.

PRESS CUTTINGS.—The scrap-book for notices and cuttings of special interest has been added to considerably during the Session. Members are invited to forward articles which are likely to be of service for reference and for the general good.

RECREATION.—The social events of the year were held as usual with satisfactory results; the annual dinner in June, the special meeting to inaugurate the reopening of the educational classes in October, and the *conversazione* in December. Detailed reports of these have been already published.

A special feature in connection with the Annual Dinner this Session was the presence of the Premier of New Zealand, the Hon. R. J. Seddon—made all the more interesting in that it was his first public appearance in London on the occasion of his visit to the Centre from the circumference of Greater Britain to take part in the celebration of Her Majesty's Jubilee.

On behalf of the Marine Engineers of New Zealand, Mr. Seddon presented to our President at the Dinner a neat gold badge, signifying associateship with the Colonial Institute of Marine Engineers, an act of grace and courtesy well fitted to signify our mutual relationship in respect to our training and our country. The sentiment which prompted the act we fully reciprocate, and have great pleasure in recording it in our proceedings.

The year has been marred by the much-to-be-regretted misinterpretation of the labour market readings and the subsequent desolation entailed. The lessons taught to the whole community at home, and

our industrial competitors abroad, are plain and clear. No attempt should be made to sunder two elements which ought by all means to be combined in the interests of national prosperity—the strength to work and the power to pay; it is the duty of all to endeavour by all means to foster and encourage, as well as to exercise, the graces of courtesy and justice between man and man, whether employer or employed.

The honour of Knighthood conferred upon the Engineer-in-Chief of the Navy, Sir A. John Durston, K.C.B., has been a matter of congratulation to the Institute. The honour of LL.D., just conferred on the President-elect, John Inglis, Esq., by the Glasgow University, is also a matter of congratulation.

In closing this Report the hope is expressed that members will, as opportunity offers, do what they can to urge forward the progress of the Institute in its usefulness and prosperity, taking a warm interest in its proceedings, giving their counsel and support in the direction of the highest good. On behalf of the office-bearers and Council,

JAS. ADAMSON,

Hon. Secretary.

In the absence of Mr. Geo. Sloggett, Hon. Secretary of the Bristol Channel Centre, who desired to express regret that other duties elsewhere prevented his attendance at the Meeting, the following report received from the Centre was submitted.



MEETINGS HELD

DATE		NO. OF PAPER	SUBJECT
1897.			
March	8	—	Discussion on the Engines and Boilers (Charge-men) Bill
Do.	12	—	Annual Meeting
Do.	22	67	Oil Burners as Used on the River Volga
Do.	27	—	Visit to the Electric Welding Works, re S. F. Walker's Paper of Last Session on Electric Welding
April	12	67	Discussion on Oil Burners as Used on the River Volga
Do.	26	68	Shipbuilding, Ancient and Modern
May	10	—	Discussion on Shipbuilding, Ancient and Modern...
June	2	—	Annual Dinner... ..
October	7	—	Opening Meeting. Educational Classes
Do.	11	69	"The Turbo Motor" and the "Turbinia"
Do.	25	69	Discussion on the Turbo Motor and the Turbinia...
November	8	70	Centrifugal Fans as Applied to Marine Uses
Do.	22	70	Discussion on Fans as Applied to Marine Uses
December	3	—	Annual Conversazione and President's Address
Do.	13	71	Pipe Arrangements on Board Steamships
Do.	20	71	Discussion on Pipe Arrangements on Board Steamships
1898.			
January	10	72	On Certain Defects found in Propeller Shafts
Do.	31	72	Discussion on Certain Defects found in Propeller Shafts

DURING SESSION 1897-8.

AUTHOR	CHAIRMAN	WHERE HELD
... ..	Mr. S. C. Sage (Member of Council)	58 Romford Road, E.
... ..	Mr. Geo. W. Kidd (Vice-President)	Do.
Mr. G. B. FROOM (Member)	Mr. T. F. Aukland (Companion)	Do.
... ..	... ..	Pimlico
Mr. G. B. FROOM (Member)	Mr. T. F. Aukland (Companion)	58 Romford Road, E.
Mr. M. W. AISBITT (Member)	Mr. J. Fortescue Flannery (President)	Do.
Mr. M. W. AISBITT (Member)	Mr. J. Fortescue Flannery (President)	Do.
... ..	Mr. J. Fortescue Flannery (President)	Holborn Restaurant
... ..	Mr. J. Fortescue Flannery (President)	58 Romford Road
Hon. C. A. PARSONS (Member)	Mr. J. Fortescue Flannery (President)	Do.
Hon. C. A. PARSONS (Member)	Mr. J. M. Gray (Vice-President)	Do.
Rev. G. M. CAPELL	Mr. J. Fortescue Flannery (President)	Do.
Rev. G. M. CAPELL	Mr. T. F. Aukland (Companion)	Do.
... ..	Mr. J. Fortescue Flannery (President)	Town Hall, Stratford
Mr. W. McLAREN (Member)	Mr. T. F. Aukland (Companion)	58 Romford Road
Mr. W. McLAREN (Member)	Mr. J. Fortescue Flannery (President)	Do.
Mr. M. W. AISBITT (Member)	Mr. J. H. Thomson (Vice-President)	Do.
Mr. M. W. AISBITT (Member)	Mr. Jas. Adamson (Hon. Secretary)	Do.

BRISTOL CHANNEL CENTRE

President—PROFESSOR A. C. ELLIOTT, D.Sc.

ANNUAL REPORT.

SESSION 1897-8.

The display made in a Report may not always seem a guarantee that the work done has been substantial and lasting. Though the meetings and gatherings have been numerous, it may be suggested that some might have been omitted, as far as usefulness is concerned. During this session more meetings have been held by the Bristol Channel Centre than in any previous one, and the social gatherings have also been plentiful, but every one has served a useful purpose.

The Committee have worked unanimously and with one object, and the result has been proportional to the work done, for more genuine progress has been made in this than in any single year hitherto. The membership is increasing, and is likely to do so more rapidly. Greater public interest is also being taken in the affairs of the Centre.

The inaugural address of the President (Professor Elliott) was a contribution of much interest.

Of the papers read at the meetings, four were written by members of the Centre, viz., "Ship-

building, Ancient and Modern," and "Certain Defects in Propeller Shafts," both by Mr. M. W. Aisbitt; "Native Ironworkers in South West Africa, and Modern Engineering in the Far East,"* by Mr. J. M. Nisbet, and "Paddle Wheels," by Mr. A. E. Mills.†

A Smoking Concert was held at the beginning of the year, and the Annual Dinner in the autumn. The latter was very successful. The three following summer excursions form not the least interesting and useful part of the year's record :

(1) A Channel cruise to Porlock and Minehead, with a paper by Mr. J. F. Walliker on "Some Impressions of the Spithead Naval Review."

(2) Visit to Melingriffith Tin Works, Pentyrch Mine Pits and Castell Coch. Paper by Mr. S. W. Allen on "Objects of Interest in the District."

(3) Visit to the Vale of Glamorgan Railway at the kind invitation of Archibald Hood, Esq., C.E., J.P., Chairman of the Company. Paper by Sir James Szlumper, C.E., Engineer of the line, on "A Description of the Line and District."

Separate reports are furnished of these gatherings, all of which were most successful.

The Centre has suffered a loss in the death of Mr. J. C. Raven, one of its oldest members.

Some additions have been made to the number of the Office Bearers and the Committee, and the result

* This paper is not the property of the Institute, but by special request is being published in a magazine, as the widow of the Author, whose recent death is referred to in the Institute Report, is receiving benefit therefrom.—J. A.

† Session 1898-9.

of the annual election was as follows: President, Professor A. C. Elliott, D.Sc.; Vice-Presidents, Mr. D. Gibson, Mr. T. W. Wailes, Mr. J. F. Walliker; Representative to Council, Mr. M. W. Aisbitt; Honorary Treasurer, Mr. A. E. Smithson; Honorary Secretary, Mr. George Sloggett; Committee, Mr. J. Chellew, Mr. T. G. Reed, Mr. W. Scott, Mr. W. Simpson, Mr. H. G. Symonds, Mr. R. Williamson.

All of the Committee have worked hard, and used every effort to promote the interests of the Institute.

By the courtesy of the Council the meetings continue to be held in the University College, Cardiff.

GEORGE SLOGGETT,

Honorary Secretary Bristol Channel Centre.



INSTITUTE OF MARINE ENGINEERS.
INCORPORATED.

BRISTOL CHANNEL CENTRE.

DATE	BUSINESS	AUTHOR	CHAIRMAN	WHERE HELD
1897				
Mar. 15	General Meeting, Nominations for Annual Election	... ..	Prof. A. C. Elliott, D.Sc. ...	University College, Cardiff.
" 17	Paper, "Shipbuilding, Ancient and Modern"	Mr. M. W. Aisbitt...	" "	" "
" 31	Discussion on ditto	... ..	Mr. D. Gibson ...	" "
April 3	Smoking Concert ...	... ..	Prof. A. C. Elliott, D.Sc. ...	Royal Hotel, Cardiff.
July 17	Channel Cruise to Porlock and Minehead. Paper, "Some Impressions of the Spithead Naval Review"	Mr. J. F. Walliker	" "	Porlock.
Sept. 18	Visit to Melingriffith Tin Works, Pentyrch, and Castell Coch. Paper, "Objects of Interest visited"	Mr. S. W. Allen ...	" "	Castell Coch.
" 25	Visit to the Vale of Glamorgan Railway. Paper, "Description of the Line and District"	Sir Jas. Szlumper ...	" "	Rhoose.
Oct. 16	Seventh Annual Dinner ...	... ..	" "	Royal Hotel, Cardiff.
Dec. 10	President's Inaugural Address ...	Prof. A. C. Elliott, D.Sc.	" "	University Coll., Cardiff.
" 22	Paper, "Certain Defects in Propeller Shafts"	Mr. M. W. Aisbitt...	Mr. T. W. Wailes ...	" "
1898				
Jan. 12	Discussion on ditto	... ..	Prof. A. C. Elliott, D.Sc. ...	" "
" 26	Paper, "Pipe Arrangements"	Mr. Wm. McLaren	" "	" "
Feb. 9*	Paper, "Native Ironworkers in South-West Africa, and Modern Engineering in the Far East"	Mr. J. M. Nisbet ...	" "	" "
" 23*	Paper, "Paddle Wheels"	Mr. A. E. Mills ...	" "	" "

* Session 1898-9.

INSTITUTE OF MARINE ENGINEERS
INCORPORATED.
SOUTHAMPTON CENTRE.

SESSION 1897-8.

ANNUAL REPORT.*

During the year just concluded the meetings have been held regularly in the Society's Rooms, where the various papers were read and discussed; the one by the Hon. C. A. Parsons being especially interesting to the members present, and the discussion thereon long and instructive.

The Library has been added to as opportunity offered, and the scientific books proved most useful for purposes of reference. The treasurer of this fund having still a balance in hand, it is proposed to still further increase the number of volumes at an early date.

The numerous duties of Mr. R. Mackintosh preventing him from retaining the office of Hon. Treasurer, Mr. C. W. Murray has been elected to that position.

The Society's Rooms have been kept open each evening during the Session for the convenience of members as a house of call, and the second Tuesday of each month, at 8 P.M., has been reserved for the reading of the various papers.

JNO. GRIFFITHS,
Hon. Local Secretary.

* Received subsequently.

THE INSTITUTE OF MARINE ENGINEERS. (SESSION 1897-8.)

BALANCE SHEET, JANUARY 31st, 1898.

Liabilities.		£	s.	d.
To Sundry Creditors		154	17	1
„ Denny Gold Medal, and Interest to date ...		261	13	4
„ Subscriptions in advance for Session 1898-9		112	9	4
„ Revenue Account—				
	£ s. d.			
Balance February 1st, 1897... 1,664	2 10 ¹ / ₂			
Add Excess of Income 1897-8... 355	8 1 ¹ / ₂	2,019	11	0
		£2,548	10	9

Assets.		£	s.	d.
By Cash at Bank		179	3	4
„ Cash in hand		0	17	10
„ Consols 2 ³ / ₄ % £300 @ 112 ¹ / ₂ (Cost) ...		336	7	6
„ Freehold of Institute Buildings, 58 Romford Road, at cost, with extension ...		1,500	0	0
„ Furniture, &c., at Institute—				
	£ s. d.			
Balance Feb. 1st, 1897... 277	19 2			
Additions	10 18 0			
	288 17 2			
Less Depreciation 5%...	14 8 10	274	8	4
„ Additions, Alterations and Repairs to Institute—				
	£ s. d.			
Balance 1/2/97	234 4 10			
Additions	50 19 6			
	285 4 4			
Less Depreciation 10%	28 10 5	256	13	11
„ Insurance unexpired		0	19	10
		£2,548	10	9

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We have examined the above Balance Sheet and compared it with the Books and Vouchers, and certify it to agree therewith.

WALTER W. FEAST & CO.,
St. George's House,
6 & 8 Eastcheap, London, E.C.

March 1st, 1898.

ACCOUNT.

January 31st, 1898.

Cr.

				£	s.	d.	£	s.	d.	
By Entrance Fees:										
Members	...	...	...	43	1	0			
Associate Members	...	...	...	2	5	0			
Associates	...	...	...	2	5	0			
Graduates	...	...	...	1	10	0			
Companions	...	...	...	5	0	0	54	1	0
„ Subscriptions:										
Members	...	...	...	858	17	10			
Associate Members	...	...	...	53	16	3			
Associates	...	...	...	28	7	6			
Graduates	...	...	...	10	18	1			
Companions	...	...	...	33	6	9			
				985	6	5				
Less Subscriptions in advance:										
Members	...	104	16	3						
Associate Members	...	2	1	3						
Associates	...	2	5	10						
Graduates	...	1	7	6						
Companions	...	1	18	6	112	9	4	872	17	1
„ General Revenue:										
Sale of Bye-Laws	...	...	...	0	2	1			
Receipts Billiard Table	...	...	...	5	1	6	5	3	7
„ Transaction Section:										
Sale of Bound Volumes, less										
Expenses	...	...	...				12	4	0
„ Donations: Library							0	10	0	
„ Recreation Section:										
Sale Dinner Tickets	...	...	...	73	19	0			
„ Conversazione	...	...	...	116	4	3			
Donation Dinner	...	...	...	92	0	0	282	3	3
„ Dividends on Consols							1	19	11	
„ Interest on Deposit Account							1	0	1	
„ Legacy:										
Estate of the late J. Stephens	...						100	0	0	

£1,329 18 11

Mr. JNO. GRIFFITHS (Hon. Secretary, Southampton Centre) desired to express regret that he was unable to attend and report verbally on the work of the Centre. The official report it was stated would be forwarded in time for inclusion in the Transactions of the Session.

Mr. F. W. SHOREY (Hon. Treasurer), in submitting the balance sheet, called attention to the amount of arrears recovered, due to the special discussion which had taken place on the subject. To this and to the receipt of £100 as a legacy from a deceased member (Mr. J. Stephens) were attributable the large amount of £355 as a balance in favour of receipts over expenditure.

Mr. BASIL JOY (Associate Member) expressed the view that the balance sheet might be made more clear, and he considered that the Chartered Accountants should include in their preparation of the balance sheet a report on the general financial condition of the Institute. He thought that the legacy referred to should not be included in the Revenue Account but be treated as a separate asset.

Mr. Alderman G. W. KIDD (Vice-President) considered that the financial statement should be made as clear as possible, and that the legacy should not go into the general fund as an ordinary source of income, and no doubt this had been considered and arranged for.

Mr. F. W. SHOREY stated that £300 had been invested in Consols. This included the legacy which had been considered as a special amount outside the ordinary income, in the same way as the late Dr. Denny's gift of £250, except that the legacy had no condition attached to its use, while the latter had (the Denny Medal). It was further urged that members should express their

opinions or ask questions on any of the reports or financial statements, as it was desired to make everything clear to the membership.

Mr. J. G. HAWTHORN (Member) then proposed the adoption of the reports for printing in the Transactions, including the report expected from the Southampton Centre. He considered that the annual report and financial statement showed a very healthy condition. He remarked on the number of deaths which had occurred, and made feeling comments on the subject, in the course of which he made reference to the late John H. Thomson, as one who had been pre-eminent and unselfish in his devotion to the work of the Institute, ever ready to help, ever cheery and hopeful; he would be greatly missed from the Council and from the various meetings, at which he was one of the most regular attenders. His whole heart and soul were in the work of the Institute, and but for the labours of such men as their deceased friend this Institute would not be in the flourishing condition in which it stood to-day. While, however, the reports furnished this cause for regret, they had on the other hand to congratulate themselves on the progress of the Institute and on the work that it had done. In the course of the year there had been read at the Institute some most entertaining and valuable papers, some of them contributed by men of position in the world of science, and the Institute was especially fortunate in obtaining the paper by the Hon. Mr. Parsons, which dealt with a great revolution in marine engineering. The members would note also the number of papers that had been contributed by the Bristol Channel Centre. The whole Institute benefited by the papers that were read and by the discussions and criticisms upon them. Mr. Hawthorn urged on the attention of members the privilege of attending the ordinary meetings to hear the papers and take part in the discussions, and testified to the pleasure and benefit he had himself derived.

Mr. C. NOBLE (Member) seconded the resolution, which was approved and passed.

Alderman G. W. KIDD (Vice-President) proposed a vote of thanks to the retiring President, and said it was with great pleasure that he proposed a hearty vote of thanks to Mr. Fortescue Flannery, M.P., the retiring President, for his services during the past year. This Institute had had many presidents—men of great scientific attainments or of great commercial standing, but none of them had done more work, or tried to do more work, or had given more time to the business of the Institute than the President of the past year. He had always made a point of attending, if possible, whenever his attendance was required, and Mr. Kidd made special reference to the able address delivered by Mr. Flannery before the West Ham Corporation authorities in support of the suggestions of the Institute for including marine engineering in the subjects of instruction at the new technical college now in course of erection in the district.

Mr. T. F. AUKLAND (Companion) seconded, dwelling especially on the frequent personal attendance given by Mr. Flannery at the meetings of the Institute, and that in spite of the many other duties devolving upon him.

The vote of thanks was duly passed with acclamation.

Reply received from the President :

“DEAR MR. ADAMSON,

“Thanks for your letter conveying to me the resolution of thanks which the General Meeting of the Institution of Marine Engineers

was good enough to pass in regard to my fulfilling the office of President.

“I need not say that such a resolution is very gratifying to me, and is an ample reward for the fulfilment of the duties of the high post to which the Institution was good enough to elect me.

“I can look back upon my year of office with pride and satisfaction in the belief that the Institution made substantial progress during that year, and in the full confidence that it has a great national future before it to the lasting benefit of the brethren in the profession, and to the extensive support and development of scientific progress as applied to marine construction.

“Believe me,

“Yours very faithfully,

“FORTESCUE FLANNERY.”

Mr. J. E. ELMSLIE (Member) proposed a vote of thanks to the Office Bearers and Members of Council for the services they had rendered to the Institute during the past season. A large part of the success of this Institute was due to the manner in which its affairs had been managed by the Council for the time being. The reports just presented and the progress made during the last year showed that the present Council had well continued the work of their predecessors. He was sure they all felt that the Council had been composed of men who had their hearts thoroughly in their work, and that a large amount of time and hard work had been given to the affairs of the Institute by already busy men. He knew that the self-denying services rendered by the Office Bearers and Members of Council were appreciated, and he had much pleasure in proposing the vote of thanks.

Mr. J. Y. LOWE (Member) seconded the resolution, which was adopted, and responded to by the Hon. Secretary, who endorsed the sentiments expressed regarding Mr. J. H. Thomson, whose loss to the Institute was great, but to many members who enjoyed a closer fellowship with him it was also a personal loss. He thanked the meeting on behalf of the Office Bearers and Council, and joined with Mr. Hawthorn in hoping that the meetings held on the second and fourth Monday of each month during the Session would be fully taken advantage of by Members, as the larger the attendance the more valuable the discussion, thus enhancing also the value of the papers contributed for the general good. The Office Bearers and Members of Council appreciated the resolution which had just been passed, and trusted that the same kind remarks which had been made on the present occasion would be made to their successors at the end of the coming year.

Mr. A. CAMPBELL (Member) proposed, and Mr. BASIL JOY (Member) seconded, a vote of thanks to the auditors, Messrs. J. B. Johnston (Member) and J. F. Redman (Member), for the services they had rendered during the past Session.

Mr. J. B. JOHNSTON responded, and said he was glad to render any assistance in his power.

Mr. F. W. SHOREY proposed, and Mr. A. SCOBIE seconded, a vote of thanks to the honorary solicitor, Mr. John Neely, who had been good enough during the Session to give opinion in regard to certain matters on which he was consulted.

The vote was cordially passed.

Mr. HAWTHORN suggested that he thought it desirable to keep in view the idea of arranging visits to places of interest and works or factories in the neighbour-

hood, and to make this a special feature of the coming Session.

This suggestion was remitted to the new Council to deal with.

The Scrutineers were then called upon to declare the result of their labours in connection with the voting papers. Mr. MATHER reported as follows :

President : JOHN INGLIS, Esq., LL.D.

Honorary Treasurer : MR. F. W. SHOREY.

Honorary Secretary : MR. JAMES ADAMSON.

Members of Council :

MR. J. R. RUTHVEN.	|	MR. JOHN ADAMSON.
" S. C. SAGE.	|	" J. T. SMITH.
" W. I. TAYLOR.	|	" A. G. CRICHTON.
" J. G. HAWTHORN.	|	" J. BIGMORE.
	MR. C. NOBLE.	

Honorary Minute Secretary : MR. C. G. NEWBY.

A vote of thanks to the Scrutineers, proposed by Mr. A. B. BULL (Member), and seconded by Mr. H. C. WILSON (Member), was passed and responded to by Mr. W. McLAREN.

Mr. N. K. McLEAN proposed that Messrs. T. F. Aukland (Companion) and J. B. Johnston (Member) be appointed auditors for the new Session; the proposal was seconded by Mr. JAS. GIRVIN (Member), and carried.

A vote of thanks, proposed to the Chairman by Mr. GEO. INGLIS (Member), and seconded by Mr. H. C. WILSON (Member), was duly passed and briefly acknowledged, after which the meeting terminated.

