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INSTITUTE OF MARINE ENGINEERS
INCORPORATED.

SESSION



1925-26.

President : LORD INVERFORTH, P.C.



15 SEP 1926

VOLUME XXXVII.

THIRTY-SEVENTH ANNUAL REPORT
AND FINANCIAL STATEMENT

MINUTES OF PROCEEDINGS AT

THE ANNUAL MEETING

Held on Friday, April 9th, 1926, at 6.30 p.m., in the Institute
Premises, the Minories, Tower Hill, London, E. 1.

ADDITIONS TO LIBRARY AND PROPERTY.

LIST OF MEMBERS.

PAPERS READ AND DISCUSSIONS HELD DURING THE SESSION
FEBRUARY 1ST, 1925, TO 31ST JANUARY, 1926.

CONTRIBUTIONS BY CORRESPONDENCE.

ARTICLES OF INTEREST.

NOTES.

Edited by The Hon. Secretary.

INSTITUTE OF MARINE ENGINEERS. INCORPORATED.

Patron: HIS MAJESTY THE KING.

SESSION 1925-26.

President: LORD INVERFORTH, P.C.

Hon. Treasurer: ALFRED ROBERTSON. *Hon. Secretary:* JAS. ADAMSON.

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† E. W. HARVEY.	† W. E. MCCONNELL.	* J. SHANKS.	
† J. B. HARVEY.	† A. H. MATHER.	* G. J. WELLS.	
† Elected 1924.	* Elected 1923.	† Elected 1925.	

Conveners of Committees.

Awards—JAS. ADAMSON.	Library and Reading Room—J. NICOL, J. THOM.
Finance—CHAIRMAN OF COUNCIL.	Social Events—A. ROBERTSON.
Issue of Transactions } and Advertisements } A. H. MATHER.	Property—CHAIRMAN OF COUNCIL.
Junior Section { J. HAWTHORN. { J. H. GRAVES.	Membership—H. G. DIXON.
Papers & Lectures—W. E. MCCONNELL.	“Titanic” Engineering Staff Memorial Fund—JAS. ADAMSON.

Representatives.

The Merchant Shipping Advisory Committee, JAS. SHANKS.

British Marine Engine and Boiler Design and Construction Committee—
B. P. FIELDEN, J. McLAREN.

Corrosion Research Committee, Institute of Metals—JAS. M. DEWAR.

Engineering School Training—JAS. ADAMSON.

Heat Engine Trials Committee—

JAS. CARNAGHAN, B. P. FIELDEN, A. E. SEATON, G. J. WELLS.

British Engineering Standards Association :—

Standardisation of Gearing—A. E. CRIGHTON.

Petroleum Products for Engineering—J. L. CHALONER.

Screw Threads ;—FRANK COOPER.

Marine Oil Engine Trials Committee—B. P. FIELDEN, S. B. FREEMAN.

Royal Naval Reserve—B. P. FIELDEN.

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Hull Area :—G. W. BUCKWELL.	Belfast :—F. A. REBBECK, J.P.
Cardiff Area :—ROBT. WILLIAMSON, J.P., C.B.E.	Royal Navy :—Eng.-Rear-Ad. W. M. WHAYMAN, C.B., C.B.E.
Newcastle Area :—SUMMERS HUNTER, junr., Engr.-Lieut.-Com. J. O. MORGAN, R.N.R.	Merchant Navy :—Eng.-Com. P. A. N. ADAMSON, R.D., R.N.R., JOHN GALE (P. & O.), G. ARTHUR (Shaw, Savill & Albion Co.)
Manchester Area :—ALEX. P. TRAILL, Wh. Ex.	Antwerp :—Chev. H. J. P. BÉLIARD.
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Greenock :—JAS. BROWN, C.B.E.	Bombay :—H. B. SPIERS.
	Sydney :—A. C. HERON.
	Melbourne :—A. E. BATTLE.
	Wellington, New Zealand :—D. K. BLAIR.
	New York :—A. W. MURRAY.
	Buenos Ayres :—P. J. ADIE.
	Nagasaki :—D. F. ROBERTSON.
	Shanghai :—J. S. MCGAVIN,
	Hong Kong :—Eng.-Lieut.-Com. F. W. JAMES, R.D., R.N.R.
	Singapore :—W. MELLOR.
	Durban :—JOHN STEWART.

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

Patron: HIS MAJESTY THE KING.

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President: LORD INVERFORTH, P.C.

VOLUME XXXVII.

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INSTITUTE OF MARINE ENGINEERS
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SESSION



1925-26.

PRESIDENT :

THE RIGHT HON. LORD INVERFORTH, P.C.

PROGRAMME OF THE PROCEEDINGS

AT THE

ANNUAL MEETING

HELD IN THE PREMISES OF THE INSTITUTE,

THE MINORIES, TOWER HILL,
LONDON, E.,

On FRIDAY, APRIL 9th, 1926.

At 6.30 p.m.

INSTITUTE OF MARINE ENGINEERS.
INCORPORATED 1889.

Programme of the
Thirty-Seventh Annual Meeting

ON FRIDAY, APRIL 9TH, 1926,

At 6.30 p.m.

Chairman: THE PRESIDENT.

Introductory—THE CHAIRMAN.

Scrutineers Appointed—

Proposer, Mr. A. TOUGH.

Secunder, Mr. W. J. M. BRETT.

Scrutineers—

MESSES. A. E. WHITESIDE and T. A. CROMPTON.

Annual Report—

THE HON. SECRETARY.

Financial Statement—

THE HON. TREASURER.

Adoption of Reports—

Proposer, Mr. W. McLAREN.

Secunder, Mr. F. J. MAYOR.

Presentation of Awards—

The Denny Gold Medal to
Capt. P. T. BROWN, M.C.,
Member.

Institute Silver Medal to

J. McLAGAN.

Awards have been forwarded to
Student Graduates who gained
highest marks at the Examination:—

M. WATERS, Mathematics, M.
WATERS, Theor. Mech., M.
WATERS, Heat, and Heat Eng.
H. R. TYRRELL, Mach. Const.
and Drawing, H. R. TYRRELL,
Applied Mech., J. R. LEASK,
Engish Comp., M. WATERS,
Elect. Engineering.

Awards for Essays have been for-
warded to W. NICHOLSON, Grad-
uate, H. R. TYRRELL, J. R.
MORGAN, A. BROWN, Student
Graduates.

Vote of thanks to the President—

Proposer, Mr. R. S. KENNEDY.

Secunder, Mr. J. McLAREN.

Vote of thanks to Office Bearers and
Council—

Proposer, Capt. P. T. BROWN, M.C.

Secunder, Mr. A. JOBLING.

Reply, Mr. F. M. TIMPSON (Chairman
of Council).

Vote of thanks to Hon. Auditors and

Appointment for 1926-27—

Proposer, Mr. D. GREER.

Secunder, Mr. T. WRIGHT.

Hon. Auditors—MESSES. F. M. TIMPSON
and J. B. HARVEY.

Report of Scrutineers—

MESSES. A. E. WHITESIDE and T. A.
CROMPTON.

Vote of thanks to Scrutineers—

Proposer, Mr. J. CLARK.

Secunder, Mr. A. H. MATHER.

Suggestions—

Tea and Coffee served in the Library.

INSTITUTE OF MARINE ENGINEERS
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SESSION



1925-26.

President: LORD INVERFORTH, P.C.

Minutes of Proceedings

AT THE

Annual Meeting

APRIL 9th, 1926.

CHAIRMAN: THE PRESIDENT.

THE CHAIRMAN: Gentlemen, I propose to open the meeting by proceeding immediately with the business on the agenda, and will call for nominations of two scrutineers to deal with the voting papers.

MR. A. TOUGH: I propose Messrs. A. E. Whiteside and T. A. Crompton.

MR. W. J. N. BRETT: I have pleasure in seconding this proposal. (Carried unanimously).

THE CHAIRMAN: I will now ask the Honorary Secretary to read the Annual Report.

Annual Report.

On reviewing the work of the past year it is satisfactory to record progressive advancement in the various sections.

The undernoted tabulated statement of the membership roll shows the increases in the different grades, also the losses due to resignations and deaths:—

MEMBERSHIP.	Jan. 31st 1925.	Transfers		Elected.	Resigned.	Lapsed.	Died.	Out of Touch. *	Total Jan. 31st, 1926.
		from	to						
Past Presidents (Not Members)	12	—	—	1	—	—	—	—	13
Hon. Members ..	3								3
Members	2,265	—	18	150	30	96	31	118	2,276
Companions ..	90	—	—	4	2	1	6	1	85
Associate Members	215	15	8	32	1	17	1	21	221
Associates	132	9	8	7	3	6	—	8	129
Student Graduates	43	1	—	7	—	—	—	3	49
Graduates	123	9	—	20	1	4	—	4	129
Totals ..	2,883	34	34	221	37	+123	37	*155	2,905

* Included in the totals.

† Including those 3 years or more in arrears who have not replied to letters.

Those who are noted under the heading “out of touch,” will be found in the printed list and marked “address wanted,” and special attention is invited to such so that members who may have an opportunity of obtaining information regarding any of them, may report it.

The resignations have been mainly due to circumstances arising from the condition of industrial work and from financial considerations. Many have probably got out of touch and lapsed, due to these causes prevailing.

On recording the deaths which have occurred, our sympathy towards the relatives and friends of the departed is rekindled.

Papers—Sixteen papers have been read during the session, 14 in our Lecture Hall on Tuesday evenings at 6.30, and 2 in the Hall at the Engineering and Shipping Exhibition, Olympia. Joint meetings were also held at Westminster to discuss reports on the Marine Oil Engine Trials and Heat Engine Trials.

The dates of the various meetings with titles of the Papers read are as follows:—

DATE 1925.	SUBJECT.	AUTHOR.	CHAIRMAN.
Feb. 3rd. ..	Boiler Feed Water Treatment ..	W. B. LEWIS and G. S. IRVING	F. M. TIMPSON.
.. 10th. ..	Presidential Address, 1924/25 ..	Sir W. S. ABELL, K. B. E.	
.. 13th. ..	Conversazione		Sir W. S. ABELL, K. B. E.
Mar. 3rd. ..	Fuel Economy	E. W. L. NICOL, Member	B. P. FIELDEN.
.. 17th ..	Motor Passenger Liners	A. C. HARDY, B.Sc. (Assoc. M.)	HON. SECRETARY.
.. 20th ..	2nd Report of Marine Oil Engine Trials	REPRESENTATIVE COMMITTEE	INST. MECH. ENG.
.. 25th ..	Report on Heat Engine Trials ..	REPRESENTATIVE COMMITTEE	INST. CIVIL ENG.
.. 27th ..	Annual Meeting, Session, 1924/5..		SIR W. S. ABELL, K. B. E.
April 7th ..	Steering of Ships Part I	M. M. PARKER, M.Sc.	F. M. TIMPSON.
.. 7th Part II	CAPT. P. T. BROWN, M.C., M.	F. M. TIMPSON.
May 6th ..	Report on Heat Engine Trials ..	REPRESENTATIVE COMMITTEE	INS. CIVIL ENG.
Sept 29th ..	Recent Development in Marine Pro- pelling Machinery	A. J. NICHOLSON, J. CARNAGHAN. B.Sc.	
Oct. 10th ..	Juniors' Social Gathering		
.. 13th ..	Metallic Corrosion	W. S. PATTERSON, M.Sc.	R. S. KENNEDY.
.. 14th ..	Heat Engine Trials	REPRESENTATIVE COMMITTEE	INS. CIVIL ENG.
.. 20th ..	President's Address	LORD INVERFORTH, P.C.	
.. 30th ..	Annual Dinner		LORD INVERFORTH, P.C.
Nov. 10th..	Construction of Ships to Minimise Collision Risks	E. F. SPANNER (Member)	R. S. KENNEDY.
.. 14th ..	Juniors' Social Gathering		
.. 23rd ..	Shipping and Engineering Exhibi- tion Opened at Olympia		
.. 24th ..	Internal Combustion Boiler	OSCAR BRUNLER	F. M. TIMPSON.
.. 27th ..	Invitation Lunch for Oversea Mem- bers at the S. & E. Exhibition		H. S. HELE-SHAW, D.Sc.
.. 27th ..	Salvage Operations (Olympia) ..	SIR FRED W. YOUNG	R. S. KENNEDY.
Dec. 1st ..	Motor Ship Progress in 1925 (Olympia)	A. C. HARDY, B.Sc. (Assoc. Mem.)	R. S. KENNEDY.
.. 8th ..	Pulverised Fuel Firing	E. KILBURN SCOTT	G. J. WELLS.
.. 12th ..	Juniors' Social Gathering		
.. 15th ..	The Scott Still Engine	A. J. SIM	HON. SECRETARY.
.. 22nd ..	Fuel Injection	CECIL HUGHES (Assoc. Mem.)	HON. SECRETARY.
1926.			
Jan. 8th ..	3rd Report Marine Oil Engine Trials	REPRESENTATIVE COMMITTEE	INST. MECH. ENGS.
.. 12th ..	Lubrication	STANLEY E. BOWREY, B.Sc.	HON. SECRETARY.
.. 19th ..	Poetry and the Engineer.. ..	W. BLANK, C.B.E.	SIR J. F. FLANNERY, BART.
.. 26th ..	The Flettner Rudder	F. A. BEST	F. M. TIMPSON.

The Papers and Discussions are being printed in the monthly issues as nearly as possible in the sequence of dates to suit the convenience of the authors.

The Transactions are issued monthly to all on the Roll, containing Papers and Discussions, contributions from members, and notes on matters of interest, culled from various sources, Reviews of Books added to the Library, and list of members elected each month.

Bound Volumes containing the last year's issues have been sent as usual to various libraries, kindred Institutions in terms of exchange, and to members whose orders have been received. Several members have regularly returned their monthly issues at the end of each year to have them bound in uniform style, in half leather with gilt lettering and an embossed Institute crest, for 7/- per vol., including postage of the volume.

The Denny Gold Medal for the best paper read by a member during Session 1924-5 has been awarded to Capt. P. T. Brown, M.C., for his Paper on "A Note on the Air Supply for large Motor Vessels."

The Institute Silver Medal for the best Paper read by a non-member, has been awarded to Mr. J. Maclagan for his Paper on "The Sliding Cylinder Double-acting Two-cycle Diesel Engine."

The medals have been prepared and are now ready for presentation.

The Library and Reading Room have been added to by the supply of new books and magazines. It is satisfactory that the usefulness of both are extending and their value appreciated by visiting members. Many members who have been home on leave from abroad have called in transit to view the premises and have been warmly welcomed.

The oil painting of Henry Maudslay, in the Lecture Hall, which was presented by Sir J. F. Flannery, Past President, has been "flaking" from time to time, and expert advice has been taken on the subject with the object of renovating and preserving it from further deterioration.

The Billiard Room has an attraction for visitors. The Premises have been kept in an efficient state.

The London Shipping Orchestra meet for practice in the Lecture Hall on Monday evenings, the Institute of Metals,

London Section, on occasional Thursday evenings, and the Engineer Surveyors' Association on Saturday evening once a month in the Library.

The basement of the premises is still let to tenants.

The Junior Section has had Social Gatherings once a month on Saturday evenings, and these have proved very successful.

The staff of the General Steam Navigation Co. held a Social Gathering in our premises on January 24th.

Awards.—The Examination for Student Graduates under the set regulations and questions, was held in April, 1925, at Aberdeen, in Robert Gordon College; at London, in our Premises, and at Newcastle, in the Rutherford College, with the following results. Prizes were awarded to those who gained highest marks in each subject. Books or instruments for choice:—

Theoretical Mechanics, M. Waters,	21	passed,	2	failed to pass in all.
Heat and Heat Engines, M. Waters,	23	„	—	„ „
Machine Construction and Drawing,				
H. R. Tyrrell	18	„	5	„ „
Applied Mechanics, H. R. Tyrrell ...	19	„	4	„ „
Mathematics, M. Waters	19	„	4	„ „
English Composition, J. R. Leask ...	19	„	4	„ „
Electrical Engineering, M. Waters ...	21	„	2	„ „

The following passed the minimum marks in all subjects: T. H. Baxter, A. Brown, J. Bormond, H. Hunter, W. McLelland, A. Noble, A. Storm, H. R. Tyrrell and M. Waters.

Certificates were awarded to those who gained a high per cent. of marks in certain subjects, as well as to those who passed in all.

The Lloyd's Register Scholarship Examination was held at Aberdeen, Cardiff, Crewe, Falkirk, Greenock and West Hattlepool, under the set Regulations and Questions. The two candidates, J. T. McIntyre, Falkirk, and J. R. Morgan, Cardiff, who gained 1st and 2nd highest marks, were afterwards interviewed by representatives of Lloyd's Register of Shipping and of the Institute, and J. T. McIntyre was awarded the scholarship, 1925-8; he is now attending classes in connection with Glasgow University. The other holders of the scholarship are R. A. Batey, 1923-6, Newcastle, who afterwards won a Whitworth prize and the National Diploma for Engineering. He passed the Intermediate Examination then gained the Mather

Prize of £40 and passed the Final Examination for B.Sc. T. H. Helling, 1924-7, Cardiff, passed the Intermediate and Final Examination for B.Sc. He spent the recess in France to study the language.

Four Essays have been received in the following order of dates, they were read and carefully considered by the Committee, each member recording his opinion as to the merit of each one:—

“ Superheating in Marine Practice,” by “ Coluba,”
Arthur Brown, Student Graduate.

“ The Construction of a Three-throw Crank-Shaft,” by
“ Entropy ”—W. Nicholson, Graduate.

“ Auxiliary Machinery,” by “ Pollux ”—J. R. Morgan.

“ Oil Fuel Burning on Steamers,” by “ A Rev. ”—H. R.
Tyrrell, Student Graduate.

Books or instruments were awarded to the writers.

The Titanic Engineering Staff Memorial Fund has been administered by the Committee to render help to widows and orphans of Marine Engineers so far as the amount available admitted, after the claims of the Orphanages and Hospitals were met.

In the Royal Merchant Seaman's Orphanage School there are over 70 children of Marine Engineers, one of them being a child of a deceased member, who is well reported of, the name is Anthony R. Sheehan, aged 12.

In the Royal Caledonian Orphanage School, Bushey, there are three children of deceased members, who are well reported on. There were 8 children of Marine Engineers in the Orphanage Schools, one however—son of one of our deceased members—has been taken charge of by an aunt. The mother is serving as stewardess on a ship. The school has been visited and the children seen.

The Royal Scottish Corporation renders assistance to those of Scotch Nationality resident in London, and relatives of such requiring aid. Any cases thus assisted are kept in touch with by visitors. A widow of one of our members who has two young children to support, besides having two in the Caledonian School, is assisted by a grant.

We have no special cases in the Wanstead Infant Orphanage or in the Poplar Hospital at present.

The Council considered it would be well to have an application form for issue to members who know of cases requiring help from the Titanic Engineering Staff Memorial Fund, so that particulars might be entered and the form returned for the consideration of the Committee. A form was prepared and printed copies are now available for issue.

The Memorial Fund was initiated with a view to use it to assist the widows and orphans or dependents of Marine Engineers, irrespective of membership of the Institute.

The amount received during the year has been made up from the following sources:—Capital Stock Dividends, £83 18s. 7d. and £7 8s. 1d. to be Credited; Donations, £31 3s.; Institute Gift, £50.

Gifts of £2 2s. were sent to 15 widows of Marine Engineers, at the end of the year as a small help to them and their children.

REPRESENTATIVE COMMITTEES.

The Royal Sanitary Congress was held in Edinburgh, 1925, and as usual the Institute was represented on the occasion, as per the September issue.

The Shipping and Engineering Exhibition was opened at Olympia on November 23rd, by the Right Hon. W. C. Bridgeman, M.P., First Lord of the Admiralty, and closed on December 5th. We had two Papers read in the Exhibition Hall, and our members from oversea were invited by the organisers to lunch with the Council; subsequently they were invited to a dinner, the date of which suited several unable to attend the former function.

MARINE OIL ENGINE TRIALS COMMITTEE.—Memorandum of activities during the year from March, 1925, to March, 1926. Reports Presented: Second Report on T.S.M.V. *Dolius* (Scott-Still engines), was presented at meetings at the Institution of Mechanical Engineers on 20th, 26th and 27th March, 1925, in London, Glasgow and Liverpool respectively, and at the Spring Meeting of the Institution of Naval Architects on 2nd April, 1925.

Third Report on M.V. *Pacific Trader* (Doxford engine), was presented at meetings at the Institution of Mechanical Engineers on 8th and 14th January, 1926, in London and Liverpool respectively.

Reports to Come: Fourth Report on M.V. *British Aviator* (Fullagar engine), is nearly completed and is intended to be

presented at a meeting at the Institution of Mechanical Engineers, London, when circumstances admit.

Fifth Report on T.S.M.V. *Lithgow's Contract No. 759* (Werkspoor engines). The sea trials of the vessel were completed on 17th and 18th December, 1925. The Report has not yet been systematically commenced but is intended to be read on some date in November, 1926.

Merchant Shipping Advisory Committee.—During the past year several important matters have been submitted by the Board of Trade to the Committee for advice and recommendations, and all have been dealt with in a very complete manner. The report of the committee on the carriage of timber cargoes is published and contains much interesting and valuable information.

Heat Engine Trials Committee.—The Committee appointed to prepare codes for tabulating the results of heat engine trials has had to deplore during the past year the death of their Chairman, Captain R. Riall Sankey, C.B., C.B.E., R.E. (ret.). Mr. W. H. Patchell has been appointed to succeed him.

The work of the Sub-Committees and Panels has made good progress, and a number of Joint Meetings were held during the past year at which the codes and accompanying explanatory notes were discussed. The comments and criticisms made orally or received in writing in connection with these meetings have received the careful consideration of the Committee, alterations to the codes and notes having been made where these appeared necessary.

It is expected to publish early in the spring an interim report agreed to provisionally by the Committee. This report will be widely circulated and every opportunity will be given for any further suggestions to be made. The Committee's final report will be published towards the end of the present year, after any such suggestions have received consideration.

The Institute of Metals: Corrosion Research.—In accordance with the reorganisation which took place last year, the Committee has continued the technical work connected with condenser tube corrosion. This work has been carried out at the Royal School of Mines, where apparatus has been arranged for tests on a much larger scale than previously. So far, the results confirm many of the small scale experiments, but a number of interesting new points have been observed. Useful information has been collected on the relative behaviour of dif-

ferent types of condenser tubes, and also on the effects of certain types of coating. A number of practical difficulties have arisen in connection with the working of the larger apparatus. These are being dealt with by a special Sub-Committee appointed for the purpose.

The main investigation during the past year has been a study of the influence of iron compounds on corrosive action and scale formation. Interesting observations have been made which appear to have a practical bearing on certain causes of condenser tube corrosion. Useful information has been collected on the formation of scales resistant to corrosion, but much remains to be done in this direction. An investigation of the practical conditions which produce local pitting has given a number of interesting results. The information, however, is not yet complete.

During the year a number of cases of corrosion have been examined, and valuable practical information has been collected. The preparation of a revised edition of the pamphlet entitled "Notes on the Corrosion and Protection of Condenser Tubes" was completed, and the pamphlet was published during the year.

British Engineering Standards Association: Petroleum Products for Engineering.—All specifications for the various products having been issued with a view to obtain suggestions from all interested in the subject, the Committee did not find it necessary to deal with any other matter pending a revision of the issued specifications which is to be taken in hand in the near future.

Screw Threads Section.—The discussions have been largely devoted to the matter of the sizes across flats of hexagon and square bolts and nuts. It is felt that these dimensions could with safety and with economic advantage be reduced. Experiments have been conducted at the National Physical Laboratory, and these show that the sizes across the flats as also the depth of the head and of the nut could be considerably reduced with perfect safety until the nut flats presented insufficient surface to the spanner. Nuts of one size under standard and even of two sizes under standard stood the tests. In some cases the bolt broke, in others the jaws of the spanner opened, and again the corners of the nut gave way, but in no case did the failure occur owing to the lack of bearing surface in the threads or on the face of the nut. Were it possible to use ring spanners or

box spanners in every case, there would have been no hesitation in recommending a reduction of sizes across the flats all round. With good fitting spanners and hard material the tests showed that considerable reductions could safely be made, but no definite recommendations are yet put forward.

Education Department, London County Council.—In connection with the Poplar School of Navigation and Engineering, a special course of study was started during the year to prepare engineers for the Board of Trade examination. The workshop and testing apparatus within the school building afford facilities to students to exercise their minds by practical demonstrations. Classes are held both for day and evening students.

The school was founded 21 years ago and was opened by Sir Wm. H. White, a Past President of the Institute.

The Bow Central School embraces general education classes mainly for the commercial side. Examinations are held under the auspices of the Chamber of Commerce and certificates granted. Some of the pupils enter industrial works and become apprentices, attending technical classes in the evening

ENGINEER OFFICERS OF THE ROYAL NAVY.—References were made in our December and January issues as to the proposed alterations in the Admiralty regulations which would detrimentally affect the Engineer officers by reducing the status which we, conjointly with the North-East Coast Institution of Engineers and Shipbuilders, were instrumental in advocating, and bringing before the Admiralty by deputation, backed by members of Parliament. The result was satisfactory to all concerned and agreed to harmoniously in 1914.

A deputation in January, 1926, endeavoured to obtain the consent of the Admiralty to withdraw the proposed alterations, as they affected the status of the Engineer officers, but the reply was unsatisfactory to the Deputation, as will be seen from the copy of the letter which follows.

In order to call the special attention of the Vice-Presidents and Members of Council to the reply and the arrangement made for another meeting of the Deputation, the following note was issued and subsequently a letter embodying the views expressed was sent to the Deputation in time for copies to reach each of the Representatives.

THE INSTITUTE OF MARINE ENGINEERS.

85/88, THE MINORIES,

LONDON, E.1.

3rd March, 1926.

Status of Engineer Officers in the Royal Navy as affected by Fleet Order 3241/25, dated 20th November, 1925.

The immediate opinion of Vice-Presidents and Members of Council is desired, to be placed before a representative meeting of the deputation to be held on March 9th regarding the following reply received by the representative deputation which met and placed a protest before the Admiralty *re* the reduction in the status of the R.N. Engineers. (See our December, 1925 Transactions, Notes, pages 497-499; January, 1926 Transactions, Notes, pages 618-619, and Annual Report Session 1914-15, pages XLIII-XLV., which gives the result of our action conjointly with the North-East Coast Institution of Engineers and Shipbuilders).

Will you kindly give the subject your attention.

JAMES ADAMSON,

Honorary Secretary.

[Copy of Admiralty letter above-mentioned.]

ADMIRALTY,

WHITEHALL, S.W.1.

26th Feb. 1926.

DEAR SIR,

I am desired by the First Lord to state that he has, in consultation with his colleagues on the Board of Admiralty, given very full and careful consideration to the representations advanced by the Institutions which took part in the deputation which he received on the 14th January, both on that occasion and in the subsequent memorandum dated 21st January, which was forwarded to him.

Mr. Bridgeman has come to the conclusion that no real grounds for grievance have arisen as the consequence of the Admiralty Fleet Order Number 3241 issued in November, 1925,

and he is confident that experience will convince the Engineer Officers of the Royal Navy that there was nothing in that Order derogatory to their position.

Yours faithfully,

(Signed) T. FRY,
Private Secretary.

*The Secretary of the Deputation appointed to
interview the Lords of the Admiralty re the
Status of the Engineers of the Royal Navy.*

DEAR SIR,

The reply received by the Deputation has been considered carefully by the Vice-Presidents and Members of Council of the Institute of Marine Engineers whose experience of sea-going life and whose knowledge of the responsibilities of Engineer Officers in the Merchant Navy, and incidentally in the Royal Navy, justifies our united convictions that the whole circumstances have not been considered by the Admiralty from the best view point in the interests of the Empire, and there is no justification for the alteration proposed in the status of the Engineer Officers which was clearly set forth and testified when the subject was dealt with in 1914, since when the course of action taken has been fully justified and is even now more manifest as a wise one.

The following observations are worthy of special note:—

“Mr. Bridgeman’s reply was inevitable. He had doubtless consulted the Sea Lords and acted on their opinion. What engineers would like to know is whether the Engineer-in-Chief’s opinion on the subject was considered equally with that of the Sea Lords. The usually employed platitude that it is fully recognised that the engineers are indispensable is quite beside the point. The cooks are also absolutely indispensable. The matter is not a new one, and must have been fully considered by Admiral Lord Jellicoe and Admiral Lord Fisher. It is fully realised in engineering and shipbuilding circles that Admiral Jellicoe appreciated the material side of his profession, and Admiral Fisher’s reputation as an engineering critic is too well known to need any explanations from us. Both these authorities concurred in the advisability of giving the engineers an improved status in the Navy.

The recent Fleet Order has been interpreted outside Naval circles, and, we believe, in Naval circles as well, as taking away the advance which was given to the engineers by the predecessors of the present Rulers of the Navy. Unfortunately there has been imported into this question a lot of emotion where reason only is necessary. Engineers do not desire to command ships or fleets in action. What they do ask is that they have full control of their own department, that they sign their own reports, and that such an absurdity as not being permitted to speak on a public occasion where an executive officer (possibly of junior rank) is also present, and all such-like foolishness should be done away with.

The feeling between the deck and the engine room has improved very much in past years, but this improvement is due to the greater equalisation of the status in the ships of the deck and engine room officers."

"The letter from the Admiralty on behalf of Mr. Bridgeman, First Lord of the Admiralty, considers there is no real ground for grievance, but he appears to ignore the fact that executive rank is being taken away from the Engineer Officer, which must more or less affect his status among the rank and file, and I can only repeat what I have previously stated, that this is a most serious and retrograde step, and to say the least of it is unfortunate in the interests of the Service.

I can only state here that I strongly support the actions of a deputation which, I am sure, would be in the interests of the Engineer Officer, and wish them every success."

"I consider the First Lord's letter as unsatisfactory and suggest that we use all influence available to maintain the position of the R.N. Engineers in accordance with our earlier efforts on their behalf."

The foregoing are quoted from views expressed by Vice-Presidents and Members of Council, and endorsed unanimously by all.

Yours faithfully,

JAMES ADAMSON,

Honorary Secretary.

The Deputation met on March 9th, and after reconsidering the whole question, decided to protest against the tone of the reply received and to take steps to invite the attention of all

concerned to the attitude assumed by the Admiralty, in order to arouse public opinion and Members of Parliament, as well as Engineers, so that the status of the Royal Naval Engineers should be maintained.

The CHAIRMAN: I will next call upon the Honorary Treasurer to read the Financial Report and Statement.

The HON. TREASURER: As is customary at this meeting, I propose to read the Auditors' Report, which you will find is very exhaustive and covers practically all the comparative figures between the accounts now submitted and those of last year.

To the Members,

1st April, 1926.

THE INSTITUTE OF MARINE ENGINEERS.

85/88, THE MINORIES.

TOWER HILL, E.1.

GENTLEMEN,

We have to report that we have examined and checked the Accounts of your Institute for the year ended 31st January, 1926.

2. The Revenue Account shows a profit of £796 15s. 2d. as compared with £1,021 13s. last year, a decrease of £224 17s. 10d.

3. The Gross Revenue for the year is £5,038 9s. 5d., a decrease of £148 7s. 6d., made up as follows:—

	Decrease. £ s. d.	Increase. £ s. d.
Subscriptions	307 9 6	
Entrance Fees	22 2 6	
Donation	5 0 0	
Transactions	37 18 1	
Advertisements		185 18 4
Interest		43 4 3
Hire of Hall	5 4 0	
Billiard Room Receipts		3 7
	<hr/>	<hr/>
	377 14 1	229 6 7
Deduct Increase	229 6 7	
Decrease as above	<hr/>	<hr/>
	£148 7 6	

4. The expenses charged to Revenue Account amount to £4,241 14s. 3d., as compared with £4,165 3s. 11d. a year ago, an increase of £76 10s. 4d., made up as follows:—

	Decrease. £ s. d.	Increase. £ s. d.
General Expenses		41 10 0
Rent, Rates and Taxes		2 5 1
House Account		31 10 11
Repairs and Redecoration of Institute	87 8 11	
Insurance	1 6	
Printing, Papers and Discussions, etc ...		120 4 8
Transactions Section	33 3 0	
Library Account		4 7 3
Depreciation	1 19 1	
Billiard Room Expenses	15 1	
	<hr/>	<hr/>
	123 7 7	199 17 11
Deduct Decrease		123 7 7
Increase as above		<hr/>
		£76 10 4

5. The sum of the decrease of £148 7s. 6d. in Revenue and increase of £76 10s. 4d. in Expenses, accounts for £224 17s. 10d. as mentioned above.

The decrease in Revenue is due chiefly to a decrease in Subscriptions, but this is partly off-set by an increase in Advertisements and Investment Income.

The increase in Expenditure is chiefly due to the Printing of Transactions, which is to some extent accounted for by the increased number of pages of advertisements. Expenditure on Repairs during the year has been small and the comparative statement shows a considerable reduction under this head.

6. *Internal Combustion Engines Publication Account.*—The total outlay has been recovered and there is a surplus of £58 18s. 1d. without taking into account a number of unsold copies on hand. This surplus has been carried forward.

7. *Oil Engine Trials Committee Reports.*—The balance of total cost after crediting sales is £51 2s. 2d. There is a number of unsold copies on hand this balance has been carried forward.

8. The total expenditure on the City Premises, including the Premium paid on Royal Exchange Assurance Company's Sinking Fund Policy for £10,000 amounts to £15,160 17s. 1d. A further policy to secure the repayment of £1,000 in 2012 has been taken out during the year. The Five Sinking Fund Policies taken out up to 31st January, 1926, amount to £15,000.

9. The Investments are taken at the value as at 31st January, 1919, except those purchased since. These are taken at cost price.

10. We have verified the Investments and the Bank Balances and have inspected the Title Deeds. We have obtained all the information and explanations we have required. In our opinion the Balance Sheet of your Institute has been properly drawn up so as to exhibit a true and correct view of the Institute's affairs according to the best of our information and the explanations given us and as shown by the Books of the Institute.

Yours truly,

WEST & DRAKE,

Chartered Accountants.

The balance on the Revenue Account this year shows a reduction of £224 17s. 10d., being only £796 15s. 2d. against a figure last year of £1,021 13s. This is entirely due to the fact that the income from subscriptions and entrance fees shows a decrease of £329 12s. This decrease again seems to be accounted for by the fact that last year a considerable amount was collected from membership arrears and does not indicate a reduction in membership.

The total membership actually stands at 22 more than last year and your Council would be very pleased to see a great increase in the number of members during the coming year.

I may say that in compiling the list of members all those who have lapsed through non-payment of subscriptions, through being more than three years in arrear, have been deleted.

Nothing has been received this year on account of life subscriptions, and the balance on this account stands at £10 8s. 9d., after having debited the account with £74 13s. 4d., the pre-

mium for a Sinking Fund Policy of £1,000 which will expire in the year 2012. It may interest members to know that they can compound their subscriptions for Life Membership for a lump sum payment of Twenty Guineas.

The balance on Revenue Account would not have been so high had it not been for the fact that considerable increased income has been obtained through our advertisements and this shows a satisfactory increase of £185 18s. 4d.

You will note the cost of printing papers and discussions is £1,575 4s. 10d., an increase of £120 4s. 8d. This item, however, in the past, has always included the cost of wrappers and postage which in itself amounts to £327 14s. 8d., which is included in the figure I have mentioned of £1,575 4s. 10d. You will note from the first item that the cost of printing the advertisements is shown as a separate item, and if you deduct £154 from the receipts due to advertisements, this item shows us a substantial balance of £672 4s. 4d.

The advertisements are still in the hands of Messrs. T. G. Scott and Son, Ltd., 63, Ludgate Hill, E.C.4, and any member wishing to take advantage of the Transactions as an advertising medium is advised to apply to them for space.

We are indebted to the generosity of our President for the sum of £100, which has been invested in 5% War Loan, and is shown in the accounts as the Lord Inverforth Award.

During the year under review only £9 3s. 2d. has been spent on repairs to the property. The Council have, however, under consideration at the present time the Architect's report covering necessary external and internal repairs and decorations, the cost of which will have to be met during the coming year, and this figure is certain to be a substantial amount. We now obtain the Architect's report on the condition of the building and the repairs necessary, every three years, this procedure being the one most favoured by the Council.

The comparative table showing the main items of Income and Expenditure since 1918 was given in last year's Report and has proved of considerable interest. I therefore propose, with your sanction, that this should be re-inserted in the Proceedings for this evening, with an additional column showing the principal items of Receipts and Expenditure for the year 1925-26.

A similar table will be printed in connection with the Titanic Fund, as was done last year.

It is gratifying to note that the cost of the Internal Combustion Engine Book has been more than covered and shows a surplus of £58 18s. 1d., and there were 451 copies remaining to be sold at the date to which these accounts are prepared.

The amount standing on Deposit Account as at 31st January, 1926, was £1,000. It has since been increased to £1,500 and I am glad to say that the bank have agreed to pay us interest at the rate of 4% per annum on the condition that this money is not withdrawn from Deposit Account in less than six months from the date the arrangement was made.

The Capital Account of the Institute now stands at £19,558 4s. 9d. This figure is arrived at after taking the value of these premises at cost price and is considerably below the actual value at the present time.

On the Asset side of the Capital Account the Auditors have kept the value of the City premises as at cost, viz.: £14,650 0s. 5d., and have also shown the figure for the purchase of the first £10,000 Leasehold Indemnity Policy as at cost, viz.: £510 16s. 8d. This, however, has been increased by subsequent policies bringing the total figure for this item to £815 7s. 11d. Strictly speaking the figure of £14,650 0s. 5d. should be decreased each year and the figure of £815 7s. 11d. increased each year, as the surrender values of these policies are increasing annually. They consider, however, that it makes practically no difference to our Balance Sheet and consequently they have allowed the figures to remain in the Balance Sheet as shown from year to year.

It is difficult to give exact accounts for the Social Events as the *Conversazione* is held immediately after the close of the financial year, as was the case last year. This account, however, shows a nett increase on that of last year of £57 15s. This does not necessarily mean that there has been a profit made on this account as the accounts for the last *Conversazione* have not yet been completed.

The Council have decided that in future subscriptions will continue to become due on 1st January and they have further decided that the accounting period for the year shall also be taken as at the 31st December. This will mean that during the coming year our accounts will be prepared as for 11 months and not 12. By doing this we shall be conforming to our

By-laws as regards the date at which subscriptions become due. Will members please take note of this.

Referring to the Titanic Engineering Staff Memorial Fund, I stated in my report last year that the Council had decided to place a sum of £50 from the General Account of the Institute to the credit account of the Titanic Fund, and to transfer a further sum of £100 to the Capital Account of the Titanic Fund and purchase £100 of 4½% Conversion Loan. These two sums, totalling £150, have been debited against the balance standing to the Revenue Account last year of £1,021 13s. 0d. I thought it advisable to mention this as these items are not specifically shown as such in the present Balance Sheet.

The amount paid out in Donations, Subscriptions and Grants this year totals £172 9s. 8d. and is in excess of anything which has previously been debited. This has been possible through the donation which the Institute made to this Fund of £50 in last year's accounts.

The total Investments under this Fund now stand at £2,348 10s. 8d. less £7 13s. 3d. Cash at Bank and in hand.

I shall be pleased to answer any questions which members may wish to put concerning the accounts.

Mr. W. McLAREN: In rising to move the adoption of the reports, I may say that they represent a great amount of work which is a credit to the officers of the Institute. In passing, I would like to refer to the number of members who have become out of touch with the Institute. I would like to know whether, included in those who have lapsed and have been deleted from the roll, there are any old members who have done their share of the work in the early days. If so, I think that some provision should be made for them, by which they might be retained on the roll as free members. The cost, I presume, would be inconsiderable.

I think the Council is to be congratulated on the accounts, especially for printing and advertisements. I may call attention to the large number of meetings which have been held, which is also very creditable. It has been satisfactory to see the young members coming forward at the meetings and taking part in the discussions. I note with satisfaction that the educational side of the Institute's work, *i.e.*, in the junior section, is

* It may be remembered that the foundation of the Institute was laid on 1st February, 1889, when the first paper was read at a meeting held in hired premises.—J.A.

gaining ground. The work of the various Committees on which we are represented is also highly creditable.

I have much pleasure in proposing the adoption of the reports.

Mr. F. J. MAYOR: I am sure that all members will be gratified on hearing that the Institute has made such steady progress during the past year, especially when we consider the bad times and the bad state of trade, particularly in connection with shipping. I certainly think we may congratulate ourselves, I also think there are signs that these bad times are passing, and although progress may be slow I think it is none the less sure, and that it may be permanent. I consider that we have had a most interesting series of papers during the Session, more especially with regard to the oil engine. We have recently had a paper on high pressure steam practice. In my opinion steam is going to put up a great effort to maintain the supremacy which it has held during the past 100 years.

I think the remarks in the Secretary's report with regard to the status of Naval Engineers are very important and worthy of support.

We deplore the loss of many of our old members; at the same time we welcome the new members and trust that they will come forward with new ideas, to our mutual benefit.

I have much pleasure in seconding the proposal that the reports be adopted.

Mr. A. H. MATHER: May I make just one suggestion in connection with the Honorary Treasurer's remarks, following his report, where he refers to the cost of printing the advertisements. At present the word "Printing" appears, followed by "Papers and Discussions." The next line reads "Advertisements," which appears as a separate item. I think the intention is to show the cost of printing the advertisements. As it stands at present it looks as though £154 is the cost of obtaining those advertisements instead of the cost of printing. I suggest that the word "Advertisement" be shown as a sub-heading under printing similar to "Papers and Discussions."

The CHAIRMAN: Before I put the formal adoption of these reports to the meeting, are there any members who would like to ask any questions or make any suggestions concerning them.

With regard to Mr. McLaren's suggestion concerning old members who may be compelled to resign owing to adverse circumstances, I may say that it is customary for the Council

to extend the privilege of non-paying membership in such cases if it is desired, provided the member in question has paid 20 years' subscriptions.

The Honorary Treasurer will make the alteration suggested by Mr. Mather.

With regard to the Honorary Treasurer's analysis, is it the wish of the meeting that those figures be included in the report of the proceedings? (Agreed.)

I will now ask whether it is your wish that the reports be adopted. (Carried unanimously.)

The next item on the agenda is the presentation of awards. I understand that Captain P. T. Brown is present, and I will therefore call upon him to receive the Denny Gold Medal for his paper entitled "A Note upon the Air Supply for large Motor Vessels."

As Mr. J. C. Maclagan is unable to be present to-night the Institute Silver Medal will be forwarded to him with our congratulations.

The awards for essays and for successes in the Student Graduates' examination have been sent to the candidates whose names are given in the report.

Mr. R. S. KENNEDY: It is my pleasing duty to-night to propose a very hearty vote of thanks to Lord Inverforth for having so ably presided over us during the past year. It is usual that this duty, which is one of the most important of the evening, is entrusted to one of our Vice-Presidents; on this occasion Mr. George Adams, who had been chosen, has wired us to-day to say that he regrets that he is unable to return to London in time for the meeting, so I have to do the best I can to express our thanks to our retiring President.

You are all familiar with Lord Inverforth's career throughout which two of his outstanding characteristics have been demonstrated, namely integrity and stability. He started his career in a bank, subsequently he founded and developed the "Bank Line," and is now a director of one of the leading banks of the "Big Five." He has taken a great interest in our affairs; presided at our Annual Dinner, and the special efforts he made in order to arrive home from America in time for the Conversation were particularly appreciated by us all. (Applause.)

His presidential address dealt with the propulsion of ships from the economic standpoint, and I think you will agree that there is no one living who is more qualified to deal with such

matters. As a shipowner he has been associated with all methods of propulsion, sail, steam and we all know about the Diesel-engined vessels of the Bank Line. Lord Inverforth is a great advocate of the internal combustion engine, and he certainly has the courage of his convictions. On the occasion of his Presidential address he began by referring to the roll of distinguished men who preceded him; I trust that he will accept our assurance that he is a very worthy member of that distinguished company. We appreciate highly his generous gift to form the Inverforth Award, but we hope he will not rely entirely on that as a reminder of his association with the Institute, but that he will be with us whenever he can spare the time. (Applause.)

Mr. J. McLAREN: It is my pleasure to support Mr. Kennedy's proposal. I think this Institute stands foremost in being fortunate in having Lord Inverforth as a President. His name is a household word. I do not think there is anyone connected with shipping to whom the name of Andrew Weir is not thoroughly familiar; his name and reputation are world-wide. Although he has been from the outset of his career concerned primarily with the financial side of shipping, yet he has seen a great deal of the other, the technical side, for example when superintendents have presented big bills for repairs, etc., and I understand that he has always treated them with the greatest patience. To-day the engineer is faced with many problems, due to changes in the types of machinery, and is at his wits' end to know what is the best. In these difficult circumstances Lord Inverforth has given his engineers great encouragement and assistance. Not only in this direction are his high qualities and achievements to be recorded, but he has done most noble work as a Britisher during the war. He is not what we call up to date, because he does not work eight hours a day—he works more like sixteen hours a day, and that goes a long way to explain why he is where he is. He is certainly an example to those who are agitating for a shorter working day. I hope that after his year of office expires we may still apply to him for advice and guidance. I have much pleasure in seconding this vote of thanks.

The CHAIRMAN: I am indeed very grateful to you, but I hardly realise what I have done to deserve such a cordial vote of thanks, for, after all, the work has been very pleasant and easy owing to the assistance I have received. It is a great pleasure to me to have been your President for a year, as I

have always been keenly interested in engineering. From the early days of steam we have made steady progress step by step, and now we have, as I predicted to you, an engine which is not going back. If I had to make my Presidential address again I would from the shipowner's point of view make the same assertion, and probably in stronger terms. The internal combustion engine is the engine of the future for long distance trades, and I am not sure for the short distance trades it will also be ultimately the cheapest engine to operate. The improvement in the personnel is very noticeable in the new Diesel-engined vessels; they command young engineers of the best class, and that is a great asset to the shipowner.

To-night marks another milestone in the annals of the Institute of Marine Engineers—the 37th milestone—and from what I have seen of your records and the people connected with the Institute I feel you have a right to be proud of your Institute. I am satisfied that the Institute will be carried on as successfully in the future as in the past, besides it is a world-wide Institution which will continue to bind together its members overseas with those at home by the strong ties of mutual interest in the advancement of your profession. Its publications are esteemed not only by engineers but by all classes of the community, from Prime Ministers downwards. My year of office has been full of interest and pleasure to me, and if you will allow me I should like to come and visit you whenever time and opportunity permit.

Capt. P. T. BROWN, M.C.: My pleasant duty to-night is to propose a vote of thanks to the Office Bearers and Council for their good work of the past year.

Their task is a difficult one, inasmuch as they come into personal contact with so few of our members, scattered as they are throughout the ports and seas of the world.

The means of communication is the monthly Transactions. They are always interesting, always improving and provide progressive assistance in the problems of to-day and to-morrow.

The gentlemen who serve on the various Technical Committees are performing a great service to engineering science and to the credit of our Institute. We owe a great debt to them for the sacrifice they make in giving their leisure time to what might be termed a busman's holiday.

The encouragement offered to the junior section is an outstanding feature of the work of our Institute. Anyone who has

been a lecturer, conducted examinations or marked papers knows how arduous is such work and you will all agree that to the gentlemen who deal with this section of our activities a special word of thanks is due.

I would also mention those gentlemen who administer the Benevolent Fund of the Institute for a very special word of appreciation is their due.

In each and every direction our Council and Committee have done excellent work and I have great pleasure in proposing this vote of thanks.

Mr. A. JOBLING: I have pleasure in seconding the vote of thanks so ably proposed by Capt. Brown to the Office Bearers and Council for the manner in which they have carried out their arduous duties.

Mr. F. M. TIMPSON (Chairman of Council): On behalf of the Office Bearers and Council, I beg to thank you for your vote of thanks. From my experience over a number of years the Council and Office Bearers do take a real interest in the work of the Institute, and it is surprising how well the meetings are attended, seeing how busy most of those members are. We much appreciate that the work done is satisfactory to the members, and I repeat the President's hope that the Institute will continue to go ahead and flourish, and that the Council Meetings will be as well attended as in the past.

Mr. D. GREER: I have pleasure in proposing a vote of thanks to the Honorary Auditors, Messrs. Timpson and Harvey, and further in proposing that they be re-appointed in this capacity for the coming year.

Mr. T. WRIGHT: I have great pleasure in seconding this vote of thanks to the Honorary Auditors and the proposal that they be re-elected. It has always struck me that when our members give their time, as the Honorary Auditors have done, to the various duties of the Institute they not only help the Institute but they help to raise the status of the engineer in general.

The CHAIRMAN: Is it your pleasure that Messrs. Timpson and Harvey be re-appointed as Honorary Auditors for the coming Session? (Carried unanimously.)

I will now call upon the Scrutineers to announce the results of the voting.

Mr. T. A. CROMPTON: Mr. Whiteside and I have examined the voting papers, and the list of Officers and Members of Council elected is as follows:—

President: Lord Kylsant of Carmarthen, G.C.M.G.

Vice-Presidents: London: Messrs. R. Balfour, T. Carlton, O.B.E., Sir J. Kennal, J. Shanks, J. H. Silley, O.B.E., F. M. Timpson, G. J. Wells. Liverpool: S. B. Freeman, C.B.E. Newcastle: Summers Hunter, junr. Glasgow: J. Howden Hume. Royal Navy: Eng. Rear-Admiral W. M. Whyman, C.B., C.B.E. Merchant Navy: J. D. Smith. British Columbia: W. G. Winterburn. Calcutta: R. A. Murdoch. Wellington: D. K. Blair. Nagasaki: D. F. Robertson. Shanghai: J. S. McGavin.

Hon. Treasurer: A. Robertson. *Hon. Secretary*: Jas. Adamson.

Members of Council: Messrs. J. Carnaghan, J. Clark, W. E. Farenden, R. M. Gillies, J. J. McKenzie.

Mr. J. CLARK: I am asked to move a vote of thanks to the Scrutineers for their work. I think they deserve special sympathy and appreciation because they have to be out of the room and miss much of the interesting proceedings.

Mr. A. H. MATHER: I quite agree with Mr. Clark's remarks regarding the disabilities of the Scrutineers' duties, and have much pleasure in seconding the vote of thanks to them.

The CHAIRMAN: I have to ask members present whether there are any suggestions they would like to put forward.—As there are none, the business of this meeting is concluded, and we now adjourn to the Library for light refreshments before dispersing.

A vote of thanks to the President for having so ably officiated as Chairman of the meeting was proposed by Mr. J. McLaren and carried with enthusiasm.

TABLE A.

	1918	1919	1920	1921	1922*	1923	1924	1925	1926
Receipts from Subscriptions	£ s. d. 1,469 17 6	£ s. d. 1,545 14 3	£ s. d. 1,716 0 5	£ s. d. 1,870 19 11	£ s. d. 3,121 17 1	£ s. d. 2,713 1 6	£ s. d. 3,365 1 11	£ s. d. 3,640 15 4	£ s. d. 3,333 5 10
Entrance Fees ..	113 19 11	198 8 5	316 6 0	331 18 0	393 5 0	386 14 6	345 2 6	355 12 6	333 10 0
Advertisements ..	147 3 0	433 0 3	472 1 3	623 19 4	623 3 3	616 5 2	562 16 4	640 6 0	826 4 4
Total Income ..	1,779 10 6	2,374 9 1	2,802 10 7	3,254 9 7	4,591 18 11	4,207 18 9	4,755 1 5	5,186 16 11	5,038 9 5
General Ex. A/c.	472 4 8½	593 10 10	669 18 4	620 12 11	1,018 11 3	1,151 14 6	1,258 12 2	1,291 16 1	1,333 6 1
Rent, Rates and Taxes	549 18 11	572 13 0	536 6 3	663 2 3	790 14 1	715 12 9	671 5 10	621 14 10	623 19 11
House A/c. ..	188 8 4½	171 7 7½	202 0 10	206 17 3	225 16 0	228 12 5	240 2 7	263 7 11	294 18 10
Repairs and Redecorations	7 11 6	63 16 11	137 1 6	48 7 4	40 5 6	173 1 2	268 18 2	96 12 1	9 3 2
Transactions ..	470 11 3	875 17 10	1,181 4 9	1,184 0 2	1,608 10 2	1,301 17 6	1,810 9 2	1,609 0 2	1,729 4 10
Sundry Creditors	199 19 8	90 8 8	525 17 4	305 18 11	377 13 5	443 3 10	785 6 7	279 7 0	479 0 8
Capital A/c. ..	17,073 12 9½	16,606 3 7	16,308 4 7	16,573 10 2	17,156 10 2	17,671 6 1	17,887 9 7	18,909 2 7	19,558 4 9
Balance on Revenue A/c. (Debit)	59 19 2½	22 1 2½	140 8 7 (Debit).	265 5 7	583 0 0	454 12 1	216 3 6	1,021 13 0	796 15 2

* Subscriptions raised 50 %.

Dr.	LIABILITIES.	£ s. d.	£ s. d.
To Sundry Creditors			479 0 8
„ Subscriptions in advance			399 14 2
„ Life Subscriptions to be invested—			
Balance at 31st January, 1925		85 2 1	
<i>Less</i> premium to secure £1,000..		74 13 4	10 8 9
„ Denny Gold Medal Fund—			
At 31st January, 1925		250 0 0	
<i>Add</i> Interest		10 0 0	
	£ s. d.	260 0 0	
<i>Less</i> Award made	10 7 6		
Deduct charge to Revenue A/c ..	7 6		
		10 0 0	250 0 0
„ Sir Archibald Denny Award—			
At 31st January, 1925		108 19 9	
<i>Add</i> Interest		5 0 0	
		113 19 9	
<i>Less</i> Award made		4 1 7	109 18 2
„ Stephens Legacy Fund—			
At 31st January, 1925		109 18 10	
<i>Add</i> Interest		2 10 0	112 8 10
„ John I. Jacobs Memorial Award—			
At 31st January, 1925		132 3 7	
<i>Add</i> Interest		5 0 0	
		137 3 7	
<i>Less</i> Award made		4 3 8	133 0 4
„ D. F. Robertson Award—			
At 31st January, 1925		104 1 7	
<i>Add</i> Interest		4 0 0	
		108 1 7	
<i>Less</i> Award and Expenses		6 10 0	101 11 7
„ Murdoch Legacy—			
At 31st January, 1925		65 1 6	
<i>Add</i> Interest		2 10 0	
		67 11 6	
<i>Less</i> Award made		2 3 0	65 8 6
„ Lord Inverforth Award		100 0 0	
<i>Add</i> Interest		2 10 0	102 10 0
„ Internal Combustion Engine—			
Net Sales during year		212 6 7	
Balance of Cost at 31st January, 1925, & Expenditure during year		153 8 6	58 18 1
„ Social Events Account			149 4 2
„ Capital Account—			
At 31st January, 1925		18,909 2 7	
Deduct Donation to Titanic Fund .. 50 0 0			
Deduct Donation to Titanic Fund (Capital Account) 97 13 0			
		147 13 0	
		18,761 9 7	
<i>Add</i> Balance of Revenue A/c for year to 31st Jan., 1926..		796 15 2	19,558 4 9
			<u>£21,530 8 0</u>

31st JANUARY, 1926.

Cr.

ASSETS.	£ s. d.	£ s. d.
By Cash at Bank and in hand—		
On Deposit	1,000 0 0	
,, Current Account	770 0 0	
,, Social Events Account	220 16 8	
,, In hand	11 16 0	
	2,002 12 8	
,, Sundry Debtors—		
Advertisements	244 12 0	
Rent, Charges, etc.	34 2 11	
	278 14 11	
,, Investment—		
Three £5 Nat. War Bonds, 1927, at cost	15 0 0	
£2,500 4% War Loan at cost	2,536 13 0	
	2,551 13 0	
,, Investment—J. I. Jacobs Award—		
£200 2½% Consols		119 0 0
,, Investment—Lord Inverforth Award—		
£100 5% War Loan 1929/47 at cost		100 5 6
,, City Premises, at cost		14,650 0 5
,, City Premises Redemption—		
Single Payment to Royal Ex- change Assurance Company, to secure the repayment in 2011 of £10,000		
Ditto in 2012 of £2,000*		
Ditto in 2012 of £1,000*		
Ditto in 2012 of £1,000*		
Ditto in .. of £1,000*		
	£15,000	510 16 8
*Premiums Paid out of Life Sub- scriptions.		
,, Furniture—		
Balance, 31st January, 1925	793 5 2	
Additions during year	10 10 0	
	803 18 2	
Less Depreciation at 5%	40 3 11	
	763 14 3	
,, Electric Fittings, Lamps & Light- ing Apparatus, Bells, &c., throughout the City Premises—at 31st January, 1925	148 11 4	
Less Depreciation	7 8 7	
	141 2 9	
,, Books in Library—		302 2 0
,, Oil Engine Trials, Committee Re- ports Account—		
Cost of Purchase	55 0 0	
Net Sales	3 17 10	
	51 2 2	
,, Rates, etc., in advance—		59 3 8
		£21,530 8 0

REVENUE

Dr.

1st February, 1925 to

To General Expenses :	£ s. d.	£ s. d.
Bank Charges	2 12 5	
Postages and Telegrams	70 16 1	
Engrossing Certificates	9 19 0	
Student Graduates' Examination Expenses	5 5 0	
Stationery and General Printing	87 3 6	
Staff Salaries	1,056 4 3	
Chartered Accountants	42 0 0	
Telephone	18 13 11	
Subscription for Model of SS. Simla	26 5 0	
Sundries	14 6 11	
	<hr/>	1,333 6 1
.. Rent, Rates and Taxes :		
Ground Rent, Land Tax and Tithe	118 0 6	
Rates	308 16 4	
Gas and Electricity	45 11 3	
Water	35 4 10	
Income Tax, Sch. A.	114 1 0	
" " " D.	2 6 0	
	<hr/>	623 19 11
.. House Account :		
Caretaker's Wages	201 8 6	
" Uniform	5 17 6	
Coal and Coke	33 18 10	
Sundries	37 15 0	
Window Cleaning	10 14 0	
Health and Unemployment Insurance	5 5 0	
	<hr/>	294 18 10
.. Repairs		9 3 2
.. Insurance		30 2 9
.. Printing—Papers and Discussions	1,575 4 10	
.. " Advertisements	154 0 0	
	<hr/>	1,729 4 10
.. Transactions Section Bound Volumes		69 11 3
.. Interest :		
Denny Gold Medal	10 0 0	
Denny Award	5 0 0	
D. F. Robertson Award	4 0 0	
Stephens Legacy	2 10 0	
Murdoch Legacy	2 10 0	
	<hr/>	24 0 0
.. Library Account		70 18 0
.. Depreciation :		
Furniture	40 3 11	
Electric Fittings	7 8 7	
	<hr/>	47 12 6
.. Sundry Awards:		
Silver Medal	16 6	
Denny Gold Medal (Cost in excess of £10)	7 6	
	<hr/>	1 4 0
.. Billiard Room Expenses:		7 12 11
.. Balance, carried to Balance Sheet		796 15 2
		<hr/> <hr/>
		£5,038 9 5

ACCOUNT.

31st January, 1926.

Cr.

		£	s.	d.	£	s.	d.
By Subscriptions:							
Members	3,302	17	5			
Associate Members	203	18	10			
Associates	78	7	7			
Graduates	39	13	8			
Companions	108	2	6			
		<hr/>					
		£3,733	0	0			
,, Less Subscriptions paid in Advance—		£	s.	d.			
Members	348	15	2			
Associate Members	33	19	10			
Associates	9	0	0			
Graduates	4	2	11			
Companions	3	16	3			
		<hr/>					
		399	14	2			
					3,333	5	10
,, Entrance Fees				333	10	0
,, Transactions Section				29	5	5
,, Advertisements				826	4	4
,, Rent Receivable:							
Basement				300	0	0
,, Charges to Tenant for Heating and Cleaning				49	0	0
,, Interest:							
War Loan	100	15	0			
Deposit	14	19	3			
		<hr/>					
					115	14	3
,, Hire of Hall				49	6	0
,, Billiard Room Receipts				2	3	7

£5,038 9 5

" TITANIC " ENGINEERING STAFF MEMORIAL (BENEVOLENT) FUND.

Dr.

BALANCE SHEET AT 31st JANUARY, 1926.

Cr.

LIABILITIES.		£ s. d.		£ s. d.	ASSETS		£ s. d.		£ s. d.
To Capital Account :—					By Investments :—				
Balance, 31st January, 1925* ..	2,243	4	2		£1,937 London, Midland and				
Add Special Donations from In-					Scottish Rly. 4% Preference				
stitute of Marine Engineers					Stock, as valued 31st January,			1,564	2 6
to purchase £100 4½% Con-					1926				
version Stock 1940/44	97	13	0		£500 New South Wales 4% Stock			426	17 6
				2,340	17	2			
„ Revenue Account :—					as valued 31st January, 1926				
Balance, 31st January, 1925* ..	6	16	11		£150 5% War Loan 1929/47, as			152	4 1
Add Income in excess of Expen-					valued 31st January, 1926				
diture for the year to 31st					£100 4½% Conversion Stock,			100	0 1
January, 1926	16	4			1940/44, as valued 31st Jan-				
				7	13	3			
* The Balance of £2,250 1s. 1d. at 31st January, 1925,					£100 4½% Conversion Stock,			97	13 0
has been divided into these two accounts.					1940 44 at Cost				
					„ Cash at Bank and in hand ..			197	13 1
								7	13 3
								£2,348 10 5	

111:XXX

REVENUE ACCOUNT FOR THE YEAR ENDED 31st JANUARY, 1926.

£ s. d.			£ s. d.		
To Donations and Subscriptions :—			By Donations	31	3 0
„ Royal Merchant Seamen's Orphanage	85	5 0	„ Donation from Institute	50	0 0
„ Royal Caledonian School	15	15 0	„ Interest and Dividends	91	6 8
„ Royal Scottish Corporation	4	4 0			
„ Royal Infant Orphanage, Wanstead	4	4 0			
„ Poplar Hospital	2	2 0			
„ Grants to Widows	58	14 0			
„ Audit Fee	1	1 0			
„ Cheque Book		8 4			
„ Balance carried to Balance Sheet		16 4			
	£172 9 8			£172 9 8	

LIBRARY ACCOUNT.

DR.	£ s. d.	CR.
1926.		£ s. d.
Jan. 31. To Reading Room Expenses	59 17 11	
,, Books purchased	17 4 1	
	£77 2 0	
		1926.
		Jan. 31. By Donations
		,, Sales
		,, Revenue Account
		£77 2 0

SOCIAL EVENTS ACCOUNT.

DR.	£ s. d.	CR.
1926.		£ s. d.
Jan. 31 To Expenditure	826 11 10	
,, Balance carried forward	149 4 2	
	£975 16 0	
		1925.
		Jan. 31 By Balance brought forward
		1926.
		Jan. 31 ,, Receipts
		£975 16 0

TABLE B.

"TITANIC" FUND.	1918	1919	1920	1921	1922	1923	1924	1925	1926
Revenue Interest	£ s. d. 76 6 4	£ s. d. 73 7 11	£ s. d. 96 11 10	£ s. d. 70 2 11	£ s. d. 68 5 0	£ s. d. 73 0 8	£ s. d. 79 1 10	£ s. d. 83 17 9	£ s. d. 91 6 8
Donations ..	41 1 0	15 2 0	24 6 3	6 2 1	39 10 6	28 17 5	30 9 1	20 6 5	31 3 0
Income Tax recovered	43 6 4	—	—	46 17 6	39 16 8	—	66 1 3	24 3 8	—
Total Receipts..	160 13 8	88 9 11	120 18 1	123 2 6	147 12 2	101 18 1	175 12 2	128 7 10	172 9 8
„ „ (without donations)	119 12 8	73 7 11	96 11 10	117 0 5	108 1 8	73 0 8	145 3 1	108 1 5	141 6 8
Expenditure ..	110 13 0	132 10 3	132 16 0	157 1 4	154 11 0	146 0 10	150 7 0	144 1 0	171 13 4
Investments ..	2,499 0 6	1,807 10 0	1,807 10 0	1,807 10 0	1,894 9 6	1,892 6 0	1,910 13 6	2,243 4 2	2,340 17 2
Cash and Deposit A/c.. ..	142 12 1	102 2 9	93 9 0	63 9 6	57 11 8	15 12 2	22 10 1	6 16 11	7 13 3

OBITUARY.

S. C. SAGE (M. 144), who died 20th February, 1925, was one of the early workers in the upbuilding of the Institute. His attendance at the meetings was regular and he contributed two papers to the Transactions: "Water-tight Bulkhead Doors," December 8th, 1891, and "Training of Young Marine Engineers," January 23rd, 1893. He served as a member of Council

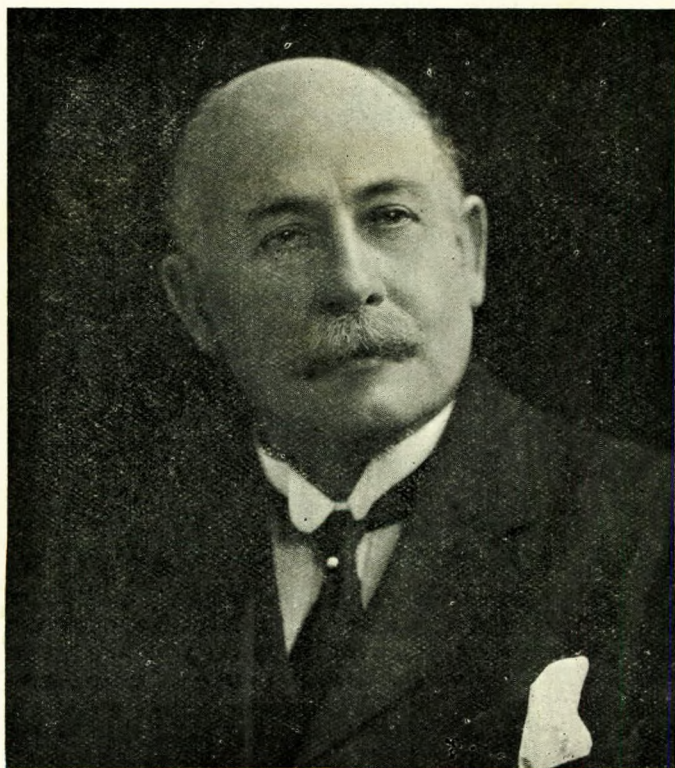


with intervening sessions from 1890 to 1904, when he removed to Surrey. He was born at Greenwich in 1846, and educated at Park House School. Served his apprenticeship at Northfleet Dry Dockyard. He afterwards served at Hull with C. D. Holmes and Co., and Humphreys and Pearson. His sea service was spent in the Thos. Wilson, Sons and Co., and Bailey and Leatham Steamers. He served as foreman with Gilher and Cooper, Hull, and then as Asst. Supt. Engineer to Bailey and Leatham. Subsequently he was foreman to the Northumberland

Graving Docks, Millwall, and in 1875 he was Chief Engineer for two years, trading in the East. On his return he joined his father in Consulting Engineering practice till 1890, when he joined Captain Williams in partnership.

D. HULME (M. 1381), who died on July 4th, 1925, served his apprenticeship with Geo. Forrester and Co., Liverpool, and after about nine years sea experience, obtaining in due course his 1st class certificate and serving as Chief Engineer, he was appointed manager in the works of Caird and Rayner, Commercial Road, London, and continued to serve in the works for about 25 years till he retired. He was elected a member of the Institute in 1899, and attended the meetings frequently at Stratford, he was a Member of Council 1902-1910, with the usual intervals.

THOMAS DREWRY (M. 173), who died on November 1st, 1925, was born at Cleethorpes, 8th January, 1859; educated at Ham-



berstone (Lincs) Grammar School. His apprenticeship was served with the Manchester, Sheffield and Lincolnshire Railway, Marine Department. He joined Thos. Wilson, Sons and Co., of Hull, serving in the SS. *Sorrento* and *Marengo* as 4th, 3rd and 2nd Engineer. He joined the P. and O. Co. in 1882 and served in the following ships:—SS. *Khiva*, *Kashgar*, *Zambesi*, *Hydaspes*, *Ballaarat*, *Nizam*, *Ravenna*, *Teheran*, *Rohilla*, and *Manila*, being promoted to Chief Engineer in October, 1887. In 1897 he was appointed to the shore staff, and in 1903 succeeded Mr. Robert Leslie as manager of the P. and O. Works, Royal Albert Dock, which appointment he held until the works were closed on 31st December, 1917, at which date he retired from the service of the P. and O.S.N. Co. He served as a Member of Council during 1904-5. During the war he served as a Private in the London Volunteer Rifles. He was inspector in the department of Aircraft Production, and was transferred to the Ministry of Shipping as a technical adviser until February, 1919. He then started as a consulting engineer and continued in practice until a few weeks before his death, which followed a serious operation at the London Hospital. One of his sons, Lieut. George L. Drewry, V.C., received honourable distinction during his war service; he was accidentally killed when in charge of one of H.M. ships near Scapa Flow, and a stained glass window was placed in All Saints' Church, Forest Gate, to his memory.

ROBERT BALLANTYNE (C. 1186), who died 9th October, 1925, was elected a Companion in 1895, when serving as London representative of Messrs. J. Stewart and Clydesdale Co., he afterwards transferred to Glasgow. The name of the firm was changed some years ago to Stewart and Lloyds, and Robert Ballantyne was subsequently appointed a Director.

PERCY BILLINGTON, R.N.R. (M. 1364), who died November, 1925, was born at Goole, 1875, and educated at Christ Church College, London. He served his apprenticeship in the Railway Works, Brighton, and in the Marine Department Works, at Newhaven. In 1885 he went to sea in the Cross Channel Service, receiving promotion to chief in November, 1904, in one of the Newhaven-Caen steamers. In 1912 he was transferred to the *Sussex* on the Newhaven-Dieppe service, his further service was in the *Arundal*, *Brighton* and *Dieppe*. During the war he served in the *Brighton* while on her valuable and dangerous running; in 1917 he was appointed Inspecting Engineer under the

Admiralty, to deal with repairs and overhaul. In 1919 he was appointed Chief Engineer of the *Paris*, and in March, 1924, Asst. Supt. Engr. at Newhaven. In August he had an attack of typhoid fever and was taken to the isolation hospital.

ROBT. A. BISHOP, R.N.R. (M. 2912), who died at Lagos on March 31st, 1925, was born at Southampton, 1884, and served his apprenticeship in the L. and S.W. Railway Works, and after further experience, joined one of the Company's ships as 3rd engineer in 1906, subsequently he was promoted to Chief. In 1912 he joined a ship bound for the North and South American Coast, and on his return he was appointed to Lord Brassey's yacht *Ezarina*. In 1914 he joined the oil tanker *Hermione* voyaging to Texas and Bermuda. At the outbreak of the war he joined the Dover Patrol and obtained a commission. In 1919 he joined the Nigerian Marine and went to Lagos.

J. S. BLACKETT (M. 2310). (See January issue).

AITKEN BROWN (C. 1297), who died suddenly by accident 18th July, 1925, served his apprenticeship in the Brass and Copper-smith Dept. of the P. and O. Works, and was afterwards foreman with A. and J. Thomson, Custom House, Victoria Dock. After the death of John H. Thomson in 1898, he joined with J. Grisdale (C. 1304—who died in 1919) and carried on the works.

EDWARD B. CAIRD (M. 359), who died on 31st August, 1925, was born in 1848, his father was Edward Caird of Dundee and Finnart, Dunbartonshire. He was educated at a Proprietary School, Dundee, at the Grange, Edinburgh, then went to Glasgow University and Caius College, Cambridge. He served his engineering apprenticeship with Caird and Co., Greenock, and afterwards joined in partnership with Jas. Howden, Scotland Street Works, Glasgow. In 1887, he left Glasgow and started the firm of Caird and Rayner, Commercial Road, London, to make evaporators, distilling plant, etc. The work he initiated is carried on by his sons and partner.

FRED. J. CARTER, M.B.E. (M. 3573), who died December 12th, 1925, was born in 1872. Educated at Robert Cameron Quaker School and Hendon School, Sunderland. He started work in the clerical and drawing department of Wigham, Richardson and Co. In April, 1887, he began his apprenticeship in John Dickinson and Sons Works, Sunderland, and continued there till April, 1893, when he went to sea in a ship built

by the firm. He continued to serve as appointed by the Company. In 1911 he joined John Stewart and Sons Repair Works, London, and in the following year he was appointed Asst. Supt. at Dover by the S.E. and C. Railway Co., subsequently he was promoted to the higher grade and served as Marine Supt. Engineer from 1921 till his death.

ALFRED COX (C. 4946), who died April 13th, 1925, was associated with the Cardiff Channel Dry Docks and Pontoon Co., and became secretary and general manager of the Company.

A. N. CROSS (M. 322), who died 8th April, 1925, was born at Torquay in 1848, and served his apprenticeship in works at Birmingham, then went to sea on a voyage to America in 1868. On his return he went to Newcastle for more experience in the engine works. He returned to sea and was engaged on coasters for a time, then joined the *Marino*, trading to the East, for Gladstone and Cornforth, of West Hartlepool, and also served in other steamers sailing on Eastern waters. He afterwards joined the service of Gray and Co., West Hartlepool, and was appointed as Guarantee Engineer, sailing in this capacity in several steamers built by the firm. He was Chief Engineer of the *Missouri*, built in 1897, for the Atlantic Transport Line and remained as Chief. When Captain H. Murrel was in the *Missouri* and went to the rescue of the 700 on board the *Danmark*, which foundered in mid-ocean, Mr. Cross was Chief Engineer, and for his heroic conduct on that occasion he was awarded a medal and gold watch and chain, which is now worn by his son with high esteem for his father*. After putting further service in the Atlantic Transport Line he was appointed Superintendent in New York. When the *Mohagan* went ashore on the Manacle Rocks on the Cornish Coast, his eldest son was lost. This sad blow[†] was followed by another, when the *Caradoc*, a sailing ship, was lost with his youngest son, serving as an apprentice on board. These unhappy events decided him to return to London, where for a time he served as Assistant Superintendent to the Atlantic Transport Line, with occasional voyages as Chief Engineer, and when Chief Engineer of the *Minneapolis* the rescue of the crew from the *Volturmo* occurred. He retired in 1913, but took occasional voyages to America.

W. R. CUMMINS (M. 1965), who died May 27th, 1925, was born in London, 1863, and served his apprenticeship with

* A Painting entitled "Every Soul was Saved" was made by the marine artist Thos. Henmy, and the figure of Mr. Cross was prominent on the canvas.

Wigham, Richardson and Co.; he made one voyage to sea and afterwards served as draughtsman with Robert Napier and Son, and then with Gourley Bros. for several years. He was keenly interested in the internal combustion engine, and read a paper on the subject of auxiliaries at Stratford, in January, 1912. He had a patent and formed a company in connection with the manufacture of his type of construction—The Cummins Syndicate, Glasgow.

N. T. DANIEL (M. 1090), who died at Cardiff, 25th February, 1925, served his apprenticeship with the G.W. Railway, Marine Department, and with Russell and Co., Weymouth. After 10 years experience at sea with gradual promotion to Chief, he settled at Cardiff as a Surveyor. He was elected a member of the Institute in March, 1896.

F. C. DINGLE (M. 973), who died December 16th, 1925, was born at Southampton, December 27th, 1866, educated at a private school, then served his apprenticeship in the works of the L. and S.W. Railway Co., Marine Department. He went to sea in the Channel steamers for a time and afterwards joined the service of the R.M.S.P. Co., gradually being promoted to Chief Engineer. His last steamer was the *Arcadian*, the luxurious vessel of the Company, fitted for summer and winter cruises. He was retired somewhat early, due to ear trouble in 1925. He went to sea in 1888.

JOHN E. ELMSLIE (M. 690). (See August issue).

R. H. FLEMING, R.D., R.N.R. (M. 2572), died April, 1925, at the age of 67. He served his apprenticeship with the Cork Steam Packet Co. In 1881 he joined the White Star Line, serving in the works at Liverpool for about a year, and then went to sea as 6th Engineer, *Britannic*; he was promoted to senior 3rd of the *Teutonic*, and was on duty on board when the Jubilee Review was held in 1889 at Spithead. His further service was in the *Bevic*, *Nomadic*, *Medic* and *Arabic*. He was re-appointed to the *Teutonic*, thence to the *Majestic* and afterwards to the *Laurentic*. In December, 1914, he joined the *Britannic*, serving in 1914 as hospital ship, and sunk under disgraceful conditions during the war. His next appointment was to stand by the *Justicia* in Belfast, and after several voyages in her he retired in 1917. He then became representative at Southampton for the Beldam Packing and Rubber Co.

J. S. GORDON (M. 2259), who died 24th July, 1925. He was born in 1874 and served his apprenticeship with Blackwood and Gordon, Glasgow. He went to sea in 1895, and after obtaining

his chief's certificate he joined the Austrian-America S.S. Co., Trieste, and gradually received promotion to Chief. He was then appointed Asst. Supt. Engineer and afterwards to the higher office of Superintendent at Trieste. He was presented with a diploma and medal for meritorious service at a fire on board the SS. *Gottfried Schenker*. When the war call sounded, he returned to the homeland and was appointed a Surveyor to Lloyd's Register; latterly he was specially associated with refrigeration and received the appointment of Senior Surveyor of the Refrigeration Department. He gave a Paper on the "Stowage of Refrigerated Cargo" at the Refrigeration Congress in 1925. He contracted a cold in April and pneumonia followed, resulting in death.

H. A. GRIFFITHS, Major, R.E. (M. 3042), died in January, 1925, in Australia, where he went after serving for some time with Messrs. Beliard and Crighton, Antwerp. He served his apprenticeship with Cochran and Co., Birkenhead, and went to sea about 1898, and joined the Ellerman Bucknall Line, gaining promotion to Chief Engineer, a position he had held for eight years up to September, 1915.

W. F. G. HARDING, Engr.-Lieut., R.I.M. (M. 3139), who died on August 10th, 1925, in hospital, Bombay, was on his way back to India, after home leave, when he became ill with appendicitis on board the *Genova* between Aden and Bombay. A wireless message was sent, and on reaching the hospital he was operated upon, but afterwards succumbed. He was born in 1898 and held an extra first-class certificate, which he obtained during his leave time in 1925.

ARTHUR HETHERINGTON (M. 3875), who died in August, 1925, served his apprenticeship with Robt. Stephenson and Co., Newcastle, and after some further experience went to sea for about sixteen years, obtaining gradual promotion and his chief's certificate. He was appointed Asst. Supt. Engineer to the Eagle Oil Transport Co., at Newcastle.

A. R. HISLOP (C. 2351), who died at Wellington, New Zealand, on December 3rd, 1925, was for many years secretary of the New Zealand section of the Australasian Institute of Marine Engineers, and devoted to the work. He came to London on a visit with Sir Joseph Ward, who was present at our annual meeting, when Lord Pirrie presided. He was also in London in 1924, and visited our premises with other friends from New Zealand. He carried on business in Wellington, representing engineering firms, and his son is now continuing it.

WM. H. J. JONES (M. 4382), was drowned in Lagos Harbour, due to a collision between the *Akabo* and the *Hercules*. The Nigerian Consulate is dealing with the matter, as the widow is left with three children, resident in Southampton. To relieve her immediate necessities a gift was sent to her from the Titanic Engineering Staff Memorial Fund. He served his apprenticeship with Higginson and Co., Liverpool and went to sea after some further experience. He obtained his 2nd and 1st certificates and had been at sea for about 14 years. He joined the Nigerian Marine and was in the service when the unfortunate disaster occurred.

ALEX MC B. KERR (M. 4777) died in November, 1924, after returning from a voyage to Australia arranged with a view to recuperate his health after illness in India. He came on to London, and after a short period, spent quietly under treatment, he passed away. He served his apprenticeship with Rankin and Blackmore, Greenock. He joined the B.I.S.N. Co., and served at sea for about 11 years in the various grades to Chief and was appointed Supt. Engineer in Calcutta.

DONALD MACNAUGHTON (M. 3626), whose death occurred due to an accident in the engine room of the M.V. *Dalgoma*, in India, 30th Oct., 1925, had been in the service of the B.I.S.N. Co., for about 15 years. He served his apprenticeship partly with McOnie, Harvey and Co., and completed with Muir and Houston, Glasgow. He then went to sea in the B.I. Co. as 5th Engineer, *Lindula*, in July, 1905, and was gradually promoted after obtaining his certificates. He passed the examination for chief in November, 1910. He served for a time as Asst. Engineer at the Mazagon Dock, Bombay, where repairs and overhauling work is carried out. He leaves a widow and four young children resident in Stirlingshire. In appreciation of his personality the engineers are erecting a memorial over his grave.

H. J. MEEKING (C. 2967), who died on December 26th, 1925, was engaged commercially as an export merchant. He was born and educated in London; served as a clerk, and gradually settled into business on his own. He was a Freeman of the City of London.

THOS. NEAVE (M. 2511) died suddenly at Colwyn Bay, on November 1st, 1925, when home on leave from China. He served his apprenticeship with J. Smith and Sons, Phoenix Foundry, Newcastle-on-Tyne, and after further service with Palmer and Co., Jarrow, for about 10 years, he went to sea for a year, then

obtained an appointment as Engineer-Manager with the Hong-Kong and Whampoo Dock Co., from whose service he was on home leave when he died.

J. McNEIL (M. 3293), who died very suddenly on May 3rd, 1925, served his apprenticeship with the Caledon Shipbuilding and Engineering Co., Dundee, and after about 11 years sea experience, from junior to chief, obtaining his extra 1st certificate, he started a school for Marine Engineers at East Ham, and carried it on successfully for many years. It has been taken over by his assistant.

HARRY NUTTALL, J.P., F.R.G.S. (C. 2288), who died 25th September, 1925, was born at Manchester and educated at Owen's College. He was trained for commercial life and became an import and export merchant. In 1905 he was President of the Manchester Chamber of Commerce, and the following year he was elected Member of Parliament for Stretford, and held the position for many years. He was elected a Companion in 1909.

THOS. NEISH (M. 1690), who died December, 1925, served his apprenticeship with Robt. Steele and Co., Greenock, and was afterwards with D. J. Dunlop and Co., Port Glasgow. He went to sea in 1889, and was serving as Chief Engineer of the *Tuscarora* in 1903, when he was elected a member.

F. NICHOLS (M. 207) died in July, 1922, of which notice was only recently received.

WM. PATON (M. 225), who died on 12th September, 1925, was a retired Chief Engineer in the P. and O. Co. He was Chief Engineer of the *Arabia* when retired in April, 1915. His widow is living at Ilford. He served his apprenticeship with Neilson and Co., Hyde Park Loco. Works, Glasgow, and A. Napier and Sons. He went to sea for two years in the State Line, then joined the P. & O. in 1861.

HUGH RENNIE (M. 539). (See December issue).

W. J. Mc C. RAE (A.M. 5330), who died in hospital, Bombay, from dysentery, August 4th, 1925, served his apprenticeship with Hawthorn and Co., Leith, and after some further experience, went to sea in the Ellerman City Line. He had obtained his 2nd class certificate and was preparing for his 1st class, having been at sea for about five years.

J. C. RUSSELL (M. 2520), who died April, 1925, as a result of an accident when he was knocked down in the street, was born in London and served his apprenticeship in the Glengall

Iron Works. He went to sea and served in the various grades to Chief Engineer in the Aberdeen Star Line. He was Chief Engineer in the *Themistocles* and the *Diogenes*. His son was placed in the Royal Caledonian School, but was afterwards adopted by an aunt.

ROBERT T. RUTHERFORD (M. 2810), was born at Bamburgh (Northumberland) and died at Newcastle-on-Tyne, November 21st, 1925, aged 52 years. He was educated at Sunderland High School, and served his apprenticeship with Black, Hawthorn and Co., Ltd., Gateshead-on-Tyne. He afterwards attended Armstrong College, and gained distinction in naval architecture and mathematics. He served as junior and rose to Chief Engineer of the oil tank steamer *Arras* and then was transferred to the *Surram*. He obtained the extra chief engineer's certificate and was appointed Superintendent Engineer by Robert Eeles and Co., Newcastle-on-Tyne. He was afterwards appointed Marine Superintendent for the London and Northern Steamship Co. (Messrs. Pymon Bros., Ltd., Managers), and under his supervision a large fleet of modern steamers was constructed and maintained, until the disposal of the fleet in 1916. In his youth he was a good all-round athlete, and played Rugby for his college and county, and was an oarsman of some repute; he was a member of the Tyne Amateur Rowing Club. He took a great interest in sport, was a member, also a vice-president of the Cardiff Rowing Club for many years.

J. F. SHALE (M. 2491), who died 13th July, 1924, in Brisbane, Queensland, was born in 1852, and served his apprenticeship with Chas. Taylor, Birmingham, then went to sea and after 17 years' service obtained an appointment as Assist. Engr. Surveyor at Brisbane. Notice of his death has only been recently received.

A. W. SEABROOK (M. 282), who died some time ago and intimation was not received until recently, from a visitor.

WALTER SHEEHAN (M. 2193), who died on December 4th, 1924, was born at Manchester. Educated at Jesuit College, Cape Town, S.A., and served his apprenticeship with an engineering firm in East London, S.A., gaining further experience in the Glengall Iron Works, Millwall. He went to sea in 1899, obtaining his 2nd Engineer's certificate on 16th February, 1901, and his Chief's on 16th June, 1906. He served at sea in the following steamers: *Ivyati*, *Intombi*, *Inanda*, *Mooltan*, *Peshawer*, *Palermo*, *Barraboul*, *Castlebar*, *St. Augustine Abbey*, *Pinta Gravina*, and his last vessel the *Glenshave*, in which he

was 2nd Engineer when he became ill and was afterwards taken to hospital. He left a widow and five children to mourn his loss. One boy now 11½, Anthony Richard, is in the Royal Merchant Seamen's Orphanage.

BEN. H. TAYLOR (M. 3053), who died in hospital, Cardiff, June 30th, 1925, was born at Liverpool, 1883. Educated at Ripley and served his apprenticeship with T. Downie and Co., Liverpool, and with H. C. Grayson and Co. He went to sea as fourth of the *Celtic Princess* in 1904, and on obtaining his 1st certificate in 1906 he was 3rd Engineer of the *Baron* and then had a shore appointment for a time. In 1910 he went to sea again as 3rd Engineer in the *Dacre Castle*, ultimately rising to Chief and sailing in several vessels of the Co. In 1917 he was appointed Asst. Supt. Engineer at Liverpool. He returned to the sea in the *Inkurn*, then in the *Millgate*, from which ship he was landed at Cardiff suffering from pneumonia.

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ESSAY ON THE 3-THROW CRANK SHAFT—PAGE 879, APRIL.

Owing to the possible hold-up of the progressive work of the nation, the usual sets of proofs were dispensed with and part of the issue was despatched with uncorrected errors in the printing of the formula, which was quite clear and distinct in the M.S. The errors were noted on receipt of the first copy and a Correction Slip was enclosed with later issue, posted as soon as circumstances admitted.

The formula used by the writer of the essay is:—

$$S = \sqrt[3]{\frac{C \times P \times D^3}{3f}}$$

The formula quoted was altered in 1923 to the following:—

$$d = \sqrt[3]{\frac{D^2 \times S \times P}{f(r+2)}} \quad \begin{array}{l} d \text{ is diam of Intermediate Shaft in inches.} \\ D \text{ is diam. of L.P. Cylinder.} \\ S \text{ is Stroke of Piston in inches.} \\ P \text{ is Boiler Pressure in lbs. per sq. in.} \end{array}$$

r is the ratio of the swept volume of the L.P. Cylinder or Cylinders to that of the H.P. Cylinder or Cylinders.

f is a co-efficient given in the published Board of Trade table and has two values for each type of engine depending upon the nature of the service of the ship.

3 cranks at 120° { Sea-going Certificated Ships $r = 2150$.
Coasting & Inland Sea-going Ships $r = 2400$.

Election of Members.

List of those elected at Council Meeting on May 17th, 1926 :—

Members.

- James Baillie, 915, Yoker Road, Yoker, Glasgow.
Henry Arthur Edmond, *c/o* Perim Oil Co., Perim Island.
Thomas Edward Jackson, Asst. Govt. Marine Surveyor's Office,
3rd Floor, Post Office, Hongkong.
William Wilson MacDonald, China Navigation Co., *c/o*
Butterfield and Swire, Hongkong.
Charles Scobie MacLean, 667, 77th Street, Brooklyn, N.Y.
Roger Nugent, West Gate, Clonmel, Ireland.
William Thomas Robertson, 12, Harrington Street, Port
Chalmers, New Zealand.
Edwin Rowland Stephens, Highcliffe, 120, Swinderby Road,
Wembley, Middlesex.
Basil Mewburn Williams, 30, Holbrook Avenue, Rugby.
Frederick George Neill, 32, Wessex Gardens, Golders Green,
N.W.11.

Companions.

- Gudtorm Einar Johannessen, 10, Rue de la Bourse, Antwerp.
William Edward Watson, 100, Grange Drive, Winchmore Hill,
N.21.

Associate-Members.

- James Cattnach, 68, Chamberlain Road, Jordanhill, Glasgow.
John Dixon Wheatcroft, 54, Junction Road, Lower Edmonton,
W.9.

Transferred from Associate Member to Member.

- J. Fraser Smith, 16, Chestnut Row, Aberdeen.

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

Founded February, 1889.

Incorporated, July, 1889.

Patron: HIS MAJESTY THE KING.

Session 1925-1926.

President:

RT. HON. LORD INVERFORTH, P.C.

Past Presidents:

- *1889-90 ASPLAN BELDAM.
- *1890-1 GEO. W. MANUEL, R.N.R.
- *1891-2 PETER DENNY, LL.D.
- *1892-3 RT. HON. LORD KELVIN, G.C.V.O., LL.D., F.R.S.
- *1893-4 SIR W. H. WHITE, K.C.B., LL.D., F.R.S.
- *1894-5 SIR THOMAS SUTHERLAND, G.C.M.G.
- *1895-6 ENG. VICE-ADMIRAL SIR A. J. DURSTON, K.C.B., R.N.
- *1896-7 SIR EDWYN SANDYS DAWES, K.C.M.G.
- 1897-8 SIR J. FORTESCUE FLANNERY, BART., M.P.
- *1898-9 JOHN INGLIS, LL.D.
- 1899-00 THE RIGHT HON. LORD INCHCAPE, G.C.M.G., K.C.S.I., K.C.I.E.
- *1900-1 COLONEL J. M. DENNY.
- *1901-2 JOHN CORRY, J.P.
- *1902-3 D. J. DUNLOP.
- *1903-4 SIR JOHN GUNN, KT.
- 1904-5 THE HON. SIR CHARLES A. PARSONS, K.C.B.
- 1905-6 LORD BEARSTED OF MAIDSTONE.
- *1906-7 VISCOUNT PIRRIE, K.P., P.C.
- 1907-8 SIR JAS. KNOTT, J.P.
- 1908-9 JAS. DENNY, J.P.
- *1909-10 JAS. DIXON (died July, 1909).
- 1909-10 JAS. DENNY (from August, 1909).
- *1910-11 SIR DAVID GILL, K.C.B., F.R.S., D.Sc.
- 1911-12 THE MOST HON. THE MARQUIS OF GRAHAM, C.B., C.V.O.
- 1912-13 SUMMERS HUNTER, C.B.E.
- *1913-14 SIR THOS. L. DEVITT.
- 1914-15-16 SIR ARCH. DENNY, BART, LL.D.
- 1916-17 SIR JAS. MILLS, K.C.M.G.
- 1917-18 CAPTAIN R. H. GREEN, R.D.C.
- 1918-19 J. T. MILTON, D.Sc.
- 1919-20 LORD WEIR OF EASTWOOD, P.C.
- 1920-21 LORD WEIR OF EASTWOOD, P.C.
- 1921-22 LORD MACLAY OF GLASGOW.
- 1922-23 ENGR. VICE-ADMIRAL SIR GEORGE G. GOODWIN, K.C.B., LL.D.
- 1923-24 VISCOUNT CURZON, M.P.
- 1924-25 SIR WESTCOTT S. ABELL, K.B.E.

Hon. Members:

ENGR. VICE-ADMIRAL SIR GEO. G. GOODWIN, K.C.B., LL.D.

ENGR. VICE-ADMIRAL SIR HENRY J. ORAM, K.C.B.

Hon. Vice-President:

SIR JOSEPH G. WARD (Ex-Premier of New Zealand).

Hon. Solicitor:

MR. WILLIAM E. ARCHER, 51, Fenchurch Street, E.C.3.

* Deceased.

MEMBERS.

MADE UP TO DATE OF PUBLICATION, JUNE 8TH, 1926.

NO.	NAME.	ADDRESS.
3095	Abell, Sir Westcott S., K.B.E.	Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.3.
5482	Aburrow, Arthur E.	64, Fairlawn Grove, Chiswick Park, London, W.4.
4641	Acton, Henry	13, Brunswick Square, Kirkdale, Liverpool
5529	Adam, Howard D.	Oakcroft, Chalk Hill Road, Wemb- ley Park, Middlesex
1408	Adams, Geo. (Vice-President)	Strathblane, Forest Glade, Leyton- stone. N.E.
2792	Adamson, A. J.	Colonial House, Water Street, Liverpool
4482	Adamson, Charles	155, Tudor Avenue, Bolton.
1	* Adamson, James (Hon. Secretary)	St. Quivox, Hayes, Middlesex
2742	Adamson, P. A. N. Engr.-Comdr., R.D., R.N.R., ret. (Vice-President)	"Sunnydene," Winchester Road, Bassett, Southampton
1625	Adamson, W. W.	"Glenfruin," Osterley Road, Osterley Park. Middlesex
2533	Addyman, F. T. Engr.-Lieut.-Comdr., R.N.	14, Chestnut Road, Peverell, Plymouth
2232	Adie, P. J. (Vice-President)	25 de Mayo No. 158, Buenos Ayres, Argentine
3610	Agar, Wm. E.	11, West Croft Square, Ravenscourt Park, W.6.
1301	Agate, C.	"Merok," Westbourne Avenue, Emsworth, Hants.
4732	Agius, Saviour	29, Southchurch Road, East Ham, E.6.
4849	Aitken, David M.	"Ewhurst," Aldenham Avenue, Radlett, Herts.
1806	Aitken, J.	"Ewhurst," Aldenham Avenue, Radlett, Herts.
443	† Aitken, J. K.	
3402	Aitken, Wm. Boag Engr. Lieut., R.N., ret.	32, Newmarket Road, Norwich
2485	Aitken-Quack, E.	c/o Cardiff Channel Dry Dock and Pontoon Co., Ltd., Mount Stuart Square, Cardiff

* Life Member by Election.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5200	Alcock, Frederick John	11, Victoria Road, St. Budeaux, Plymouth, Devon
3926	Alcorn, John	97, Carmichael Place, Langside, Glasgow
408	Alder, W. G. B.	35, Rue General van Merlin, Antwerp
3889	Alderson, Thos. C.	<i>c/o</i> Eagle Oil Transport Co. Ltd., 16, Finsbury Circus, E.C.2.
4579	Aldridge, A. W.	Clyde House, 51, Romford Road, Stratford. E.15
3279	Alexander, George	Marine Engineers' Institute, Shanghai
4781	Alexander, James Young	Engineer Surveyor of Ships, Marine Department, Auckland, New Zealand.
4749	Alexander, Thomas Robertson	27, Graeme Road, Enfield, Middle- sex
4736	Allan, George J.	"Rockmount," Station Road, Shrivehampton, near Bristol
3719	Allan, David	"Grasmere," Orsett Road, Grays
2989	Allan, James	8, Crosby Road, Forest Gate, London, E.
2999	Allan, John	"Cranford," 100, Colney Hatch Lane, Muswell Hill, N.10.
2142	Allan, Robt., Sen.	B.I. Engineers' Club, Calcutta
2573	Allen, Chas. S.	Holt's Wharf, Pootung, Shanghai
4004	Allen, Geo. H.	21. Landguard Road. Southampton
4002	Allen, Jas., O.B.E. <small>Engr. Lt.-Comdr., S.R., R.N.</small>	"Acacia," Denbigh Road, Houns- low, Middlesex
3215	Allen, James	<i>c/o</i> Tank Storage & Carriage Co., 7, Gracechurch Street, London, E.C.
3146	Allen, Richard Wm., C.B.E.	Queen's Engineering Works, Bed- ford
3464	Allen, S. C. V.	"Olinka," Tuffley Avenue, Gloucester
5101	Allison, Robert	12, Wegge Straat, Merxem, Antwerp

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3550	Ambler, Thos.	109, Hope Street, Glasgow
2261	Andeen, John	32, Alexandra Terrace, Byculla, Bombay
4442	Anderson, Alex- ander Douglas	<i>c/o</i> The United Scottish Herring Drifter Insurance Co., Ltd., 2, Rose Street, Peterhead
4703	Anderson, Ernest Harold	46, Wellington Road, Charlton, S.E.7
5162	Anderson, James	Lebon, 8, Garven Road, Stevens- ton, Ayrshire
1197	Anderson, J. C.	Abbotts Hill, Speen, Princes Ris- borough, Bucks.
2901	Anderson, John	S.S. <i>Hsin Peking</i> , <i>c/o</i> Messrs. Butterfield and Swire, Shanghai
5355	Anderson, John H.	18, South Street, Abershirder, Banffshire
3212	Anderson, John H.	Purfleet Pier, Purfleet, Essex
2402	† Anderson, Robt. W	
4139	Anderson, Ronald M. J.	41, Bonnington Crescent, Sher- wood, Nottingham
2150	Anderson, T. J.	Cotton Exchange Buildings, Gal- veston, Texas
4251	Anderson, Wm.	Inspector of Machinery and Sur- veyor of Ships, Box 193, Timaru, N. Zealand
4023	Andrews, Henry Toms	1, Penrhoel, Skewen, Glam., S. Wales
4081	Andrews, Robt. Geo.	10, Kimberley Ave., Seven Kings, Ilford
3981	Anfilogoff, Nicholas A.	Lathol House, Thames Haven, Essex
351	Annal, John	Lascar Works, Hounslow, Middle- sex
2185	Annear, R. Lee, B.Sc.	68, Rothwell Road, Gosforth, Newcastle-on-Tyne
4321	Anning, William Bennett	<i>c/o</i> General Accident Assurance Corporation, Ltd., General Build- ings, High Street, Perth

† Address wanted.

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NO.	NAME.	ADDRESS.
3892	Appelbe, J. F.	38, Auckland Avenue, Cottingham Road, Hull
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4957	Ardill, William	<i>c/o</i> Messrs. Sturtevant Engineering Co., Ltd., 147, Queen Victoria Street, London, E.C.4.
5524	Aris, George F.	13, Western Hill, Sunderland, Co. Durham
4759	Arkley, Albert Edward John	7, Wall End Road, East Ham, E.6
2833	Arnison, Geo. N.	<i>c/o</i> Mr. Letman, 25, Cross Ways, Maricott Royal, near Queensferry, Chester
4897	Arnold, Albert George	18, Walton Village, Liverpool
1882	Arthur, G. (Vice-President)	10, Forest Glade, Leytonstone, E.11
2973	Ash, Charles N.	23, Billiter Street, London, E.C.3
3718	Ashby, George Hy.	71, Hatherley Gardens, East Ham, E.6.
5327	Ashley, James R.	10, Shepherd Cross Street, Bolton
2237	Ashton, H. H.	The Bungalow, Tram Road, Folkestone
4190	Ashton, Robt. N.	17, Rosebery Avenue, Egremont, Cheshire
4997	Ashworth, Sydney	Ulleswater, Daresbury Road, Wallasey, Cheshire
4368	Athey, William Thomas	N.E. Railway, Mechanical Engineer's Dept., Alfred Street, Hull
5272	Atkinson, Ralph	24, North View, Heaton, Newcastle-on-Tyne
2942	Atkins, Andrew	4, Trefoil Road, Wandsworth, S.W.18
785	Atkins, G. W.	Palmers Lodge, Elstree, Herts
2689	Atkins, G. W.	63, Warren Road, Leyton, N.E.

MEMBERS.

NO.	NAME.	ADDRESS.
4866	Atkinson, Arthur	7, Appian Way, Sheriff Hill, Gateshead-on-Tyne
5268	Atkinson, Harold	18, Victoria Road, Barrow-in-Furness
3355	Atkinson, H. E.	101, Guilford Street, Grimsby
4893	Atkinson, Richard	24, Chapel Street, Liverpool
5299	Aubin, John Wm.	22, Park Road, Bonnyrigg, Midlothian
3048	†Austin, Grenville C.	
3354	Austin, John	14, Adelaide Terrace, Waterloo, Liverpool
2855	Ayliffe, R. A. B.	Moreno 280, Temperley, F.C.S., Prov. de Buenos Aires
3956	Bailey, John T.	Estacao Geradora, c. da'Viscondessa, Lisbon
2723	†Bailey, W. E.	
3924	Bailey, William	3, Lymington Road, Wallasey, Cheshire.
5544	Baillie, James	915 Yoker Road, Yoker, Glasgow
4011	†Baillie, Robt.	
3700	Bain, Colin W.	Supt. Engineer, The Victoria Mills Co., Cawnpore, India
4876	Bain, Ronald Callander	H.M.S. <i>Ramillies</i> , Atlantic Fleet, c/o G.P.O., London
2439	Engr.-Lieut., R.N.R. Baker, J. Ross	40, Victoria Park Road, West Cardiff
31	Baker, W. H.	"Rosedene," Pennyacre Road, Teignmouth, South Devon
4778	Balbirnie, Robert	36, Leyland Road, Lee, London, S.E.12
364	Balfour, R.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3.
3167	Balfour, William	50, Clarendon Gardens, Ilford, Essex

† Address wanted.

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1589	Bales, K. C.	"Edesholm," 23, Norland Road, Addiscombe, Croydon
5344	Ball, Sydney	C.S. <i>Mirror</i> , The Eastern Telegraph Co., Ltd., Suez, Egypt
2551	†Ball, Wm. R.	
3746	Balharrie, David L.	68, Foyle Road, Blackheath, S.E.
4325	Ballardie, George de Caynoth	Villa Ballardie, Molossana, Genova, Italy
982	Balsillie, W.	9, Queen's Gardens, St. Andrews, Fife
5095	Bangs, Albert Ed.	15, Peldan Avenue, Richmond, Surrey
4721	Barbour, Archibald	"Bridge House," Whiston Street, London, E.2.
3810	Barbour, Peter	18, Marlborough Road, Newport, Mon.
3706	Barclay, Chas. F.	153, Melrose Avenue, Wimbledon Park, S.W.
4836	†Barclay, Clifford	
2287	Barclay, Jas.	46, Stanwell Road, Penarth
3621	Barclay, Wm.	No. 14 Mazagon Dock Terrace, Bombay
4114	Barclay, Robt.	c/o Butterfield and Swire, Hong Kong
2636	Barker, R. J. B.	c/o R. A. Hughes, Esq., 36, Manestys Lane, Liverpool
3560	Barlow, Robt. C.	c/o B.I. Engineers' Club, P.O. Box 296, Calcutta
752	Barnes, C. W.	154, Upper Clapton Road, E.5.
5507	Barnetson, George Reid	34, Madeira Street, Leith, Scotland
4514	Barnett, Charles B.	Fern Cottage, Fernhill Heath, near Worcester
4614	Barnicoat, Alfred Hay	1816, E. 29th Street, Baltimore, Maryland, U.S.A.
5405	Barr, Hugh	12, Kelburne Drive, Paisley, N.B.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2786	Barr, Duncan	104, Hermon Hill, South Woodford, Essex
2809	Barr, Robt.	c/o Irrawaddy Flotilla Co., Ltd., 153, St. Vincent Street, Glasgow
2239	Barrett, A. J.	Lloyd's Register of Shipping, Dock Chambers, Barry Dock, Glamorgan
2022	Barrie, Jas.	25, Kensington Gdns., Ilford, Essex
40	Barringer, H.	78, Gracechurch Street, E.C.
3138	Barron, Garratt	54, Clarence Avenue, Ilford, Essex
4860	Barron, George William	71, Singleton Avenue, Birkenhead
3731	Barron, Wm. N.	175, Clarence Street, Sydney, N.S.W.
1303	Bartle, G. W.	27A, Mile End Road, E.1.
2483	Baseley, R. B.	Colonial Engineer for the Falk- lands, Port Stanley, Falkland Islands
3109	Batchelor, Rayley O.	c/o Lloyd's Register of Shipping, Russo-Asiatic Bank Building, 51b, Yamaschita-Cho, Yokohama
1195	Battle, A. E. (Vice-President).	Engineer & Ship Surveyor in Chief, Commonwealth Navigation Ser- vice, Chelford House, 150, Flinders Lane, Melbourne
3011	Bayley, William	55, Congreve Road, Eltham, S.E.9.
4107	Bayliss, Wilfrid	73, Sedgely Road West, Tipton, Staffs
3261	Baxter, Charles	Cleveland House, Bradford Road, Shipley, Yorks.
4257	Beatty, Matthew B.	168, All Souls Avenue, Harlesden, N.W.10.
4099	Beatty, Norman S. (Capt.)	Busch House, Isleworth, Middlesex
4330	Beaufort - Green- wood, W. E. (Capt., R.A.F.)	South Lodge, Worth, Sussex
2744	Beckett, Francis O.	187, Thorold Road, Ilford, Essex
2891	Bedgood, E. C. S.	"Haworth," Sandy Road, Renfrew

MEMBERS.

NO.	NAME.	ADDRESS.
4920	Begley, Alfred John	Messrs. Jardine, Matheson and Co., Ltd., Shanghai, China
5153	Belcher, Thomas F.	Shell House, Birzebuggia, Malta
1846	Beldam, E. A.	St. Chads, St. Mary's Road, Ditton Hill, Surrey
2379	Béliard, H. J. P., Major (Vice-President) Chevalier d'Honneur, Ordre de Leopold, D.S.O.	83, Rue Lamoriniere, Antwerp
3749	Bell, Frank P.	57, Bishopsgate, E.C.2.
3964	Bell, Fredk. H.	92, Buller Road, Thornton Heath, Surrey
4398	Bell, H. L. R.	2, William Street, Southampton.
5274	Bell, Herbert Y.	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
4025	Bell, Robt.	67, York Road, Ilford, Essex
4816	Bell, Robert (Eng. Lieut.-Comdr., S.R., R.N.)	73, Drury Buildings, Water Street, Liverpool
4608	Bell, William R.	"Prinlaws," 30, Second Avenue, Willoughby, Sydney, N.S.W.
4913	Bence, William	"Kenmont," 39, Melbourne Road, Island Bay, Wellington, New Zealand
1424	Bendall, W. J.	16, Brookland Terrace, Swansea
1313	Bendell, E.	53A, Oswald Street, Glasgow
3922	Bennett, Jas. Hy.	Fairfield, 1, Broomhall Road, Sheffield
5227	Bennett, Tom A.	Watendlath, Baring Road, Grove Park, Lee, S.E.12
4760	Bennett, Wm. F.	26, Manchester Road, Chorlton- cum-Hardy, Manchester
5469	Berry, Alfred	15, Granville Road, Upper Park- stone, Dorset
5134	Best, William R.	31, Kensington Gardens, Ilford, Essex
3365	Beveridge, J. R. B.Sc.	c/o Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
2088	†Bewers, D. C.	

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4854	Bewick, Thomas Victor	36, Cambridge Street, Grangetown, Cardiff
3793	Bickerton, Stanley	Stansfield, Hook Road, Goole, Yorks
5470	Bird, Henry Chas.	C.S. <i>Lady Denison Pender</i> , c/o Eastern Telegraph Co., Ltd., Zanzibar
3927	Birrell, Andrew K.	262, Meigs Street, Rochester, New York, U.S.A.
4136	Bishop, Henry	Lloyd's Register of Shipping, 5, Rue Bolanachi, Alexandria, Egypt
4130	Bisset, Robt.	c/o The Metropolitan-Vickers Elec- trical Co., Ltd. (Marine Dept.), Trafford Park, Manchester
2812	Bissett, David	Association of Engineers, Singa- pore
2110	Black, John C.	Monarch SS. Co., 45, West Nile Street, Glasgow
1330	Black, W. J. (Engr. Capt., R.N., ret.)	"Scotcairn," Rawdon, near Leeds
3033	Black, Peter Mac- Gillivray	24, Cromwell Road, Stretford, Manchester
5030	Black, Robert John	20, Chepstow Crescent, Kensington, W.11.
2138	Blackburn, Arthur	"Blundellsands," Grand Drive, Leigh-on-Sea, Essex
644	Blackett, Joseph	16, Philpot Lane, E.C.
2571	Blackett, T. R.	33, St. Mildred Road, Lee, S.E.
2574	Blackie, R. G. (Engr.-Lieut. Comdr., S.R., R.N.)	Carthew, Uplands Road, Bourne- mouth
4830	Blackith, Frederick	Trinity House Chambers, Trinity House Lane, Hull
5527	Blackler, George	Blakemore, Totnes, S. Devon
3416	Blacklock, Thomas, O.B.E., A.S.M.	70, Glasslyn Road, Crouch End, N.1.
2913	Blackmore, Insley (Engr.-Lieut.-Comdr., S.R., R.N.)	Board of Trade Surveyor's Office, 79, Mark Lane, London, E.C.3

MEMBERS.

NO.	NAME.	ADDRESS.
1609	Blair, D. K. (Vice-President)	<i>c/o</i> Blair, Reed and Co., Box 941, Wellington, N.Z.
3070	Blair, Donald	12, Highburgh Road, Downahill, Glasgow
3122	Blair, Thos. Allan	67, Henniker Gardens, East Ham, E.6.
2389	Blake, Alf. Basil, B.Sc. (Engr. Lt., R.N., ret.)	7, Devonshire Place, Upper Wim- pole Street, London, W.1.
2388	Blake, F. J. (Vice-President) R.D., R.N.R.	<i>c/o</i> White Star Line, Southampton
2927	Blane, Henry C.	28, Hereford Road, Wavertree, Liverpool
3287	Blevin, Wilfrid N.	3, Vaughan Road, New Brighton, Cheshire
3730	Blight, James H.	2, Clarendon Gardens, Ilford, Essex
1353	Boak, W.	270, Mansion House Chambers, London, E.C.4.
5130	Boardman, James Henry	6, Khartoum Road, Ilford Lane, Ilford, Essex
2648	Boath, David D.	Lansdowne Jute Mills, Dakhindari, Belgatchia P.O., Calcutta
727	Bond, H. T.	"The Nook," Medina Road, Grays, Essex
3529	Bonsor, Hy. N.	4, Mecklenburgh Square, London, W.C.1
3588	Bottari, Guido	Lloyd's Register of Shipping, Messina
3622	Border, Samuel	Garden Reach Workshops, Calcutta
3685	Bowden, Arthur C.	<i>c/o</i> E. R. Calthrop's Aerial Patents, Ltd., 423 and 423A, Edgware Road, Paddington, W.2
3275	Bowden, Stanley H.	54, Spencer Road, Dartmouth Park, N.W.5
4281	Bowden, Jas. Ken- nedy	"Oakdene," Mearns Road, Clark- ston, Glasgow
3037	Bowman, Jos. M.	The Laurels, Trealaw, Rhondda, Glam.
5328	Bowman, George R.	<i>c/o</i> Turner, Morrison & Co., Ltd., 4, Council House Street, Calcutta

MEMBERS.

NO.	NAME.	ADDRESS.
1342	Boyd, A.	"Palermo," Sandridge Road, St. Albans, Herts.
3558	Boyd, Arch. E.	67, Claremont Road, Sefton Park, Liverpool
3723	Boyd, Arthur J.	19, Hartington Road, Grove Park, Chiswick
3579	Boyd, John Spencer	221, Tower Building, Water Street, Liverpool
5358	Boyes, Fredk. M.	Naldera, Cromer Road, Chadwell Heath, Essex
4973	Boyes, Richard	24, Empress Road, Wallasey, Cheshire
5115	Boyes, William J.	Naldera, Cromer Road, Chadwell Heath, Essex
1300	Boyle, Alexr. (Vice-President)	"Cartsburn," 18, Northwick Park Road, Harrow
2365	Boyle, A. H., D.S.C. Engr. Lt.-Comdr., R.N., ret.	Lloyd's Register of Shipping, 31-32, Oxford Street, Southampton
2306	Boyle, J. D.	29, Cranbrooke Drive, Maryhill, Glasgow
4819	Boyes, Arthur	c/o Messrs. Aldous, Ltd., Brightlingsea, Essex
4174	Brabender, Geo. A.	17, Stevenson Drive, Shawlands, Glasgow
5185	Brace, Arthur	49, Gwyddon Road, Abercarn, Monmouthshire
4073	Bradbury, Arthur W.	Gresford Lodge, Teddington, Middlesex
3941	Braddock, Henry A. Engr. Capt., R.A.F.	Waterworks Office, Lord Street, Rochdale
3683	Bramah, David C.B.E.	76, Ashgrove Road, Seven Kings, Essex
1849	Brand, J. C., Engr. Comdr., R.A.N.	Naval Department, Australia House, Strand, W.C.2
1978	Brawley, W. T.	"Bykano," Barton Court Road, New Milton, Hants.
2475	Bray, C. M. Engr. Lieut., R.N., ret.	8, Priory Avenue, Hastings

MEMBERS.

NO.	NAME.	ADDRESS.
2627	Brayfield, T. H. G.	<i>c/o</i> Carmichael & Clarke, 3, Queen's Buildings, Hongkong
5111	Brecknell, James E.	94, Gorsefield Road, Prenton, Birkenhead
4741	Bressey, Sidney F.	"Maywood," Woodford New Road, Woodford Green, Essex
4704	†Brett, Ernest E. B.	"Hazelmere," 246, Victoria Road, Romford, Essex
446	Brett, W. J. N.	
2793	Brettell, W. G.	Colonial House, Water Street, Liverpool
5313	Brewster, Joseph G.	85, Eglinton Hill, Shooters Hill, London, S.E.18
4768	Brimblecombe, W. R.	40, Milton Street, South Shields
1925	Brock, Walter	Leabank, Dumbarton
3917	Brodie, Neil C., senr.	Oakley House, Smithton, Tasmania
3245	Brodrick, Harry	37, Wellington Street, Hull
4682	Brodrick, Percy H.	
5203	Bromley, Arthur A.	64, Manor Farm Road, Bitterne Park, Southampton
3521	†Bronsdon, H. J.	70, Fenchurch Street, E.C.3.
3729	Brookman, C. H.	
4039	Brookes, Francis Geo.	"Sunnycroft," Rhyd-y-penna Road, Llanishen, Cardiff
5196	Brooks, Edwin Ed.	The Peninsular Tobacco Co., Ltd., Monghyr, E.I.R., India
2910	Brooks, John Joseph	Municipal Electricity Department, Shanghai, China
5338	Brooks, Joseph J.	Department of Mechanical Engineering, University of Cape Town, South Africa
2660	†Brotherton, E.	The Anchorage, Tynedale Avenue, Monkseaton, Northumberland
4705	Brown, Andrew J.	

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5000	Brown, Arthur Richard	54, New Broad Street, London, E.C.2.
3735	Brown, David	15, George Street, Cellardyke, Fife
4071	Brown, Edw. <small>Engr. Lt.-Comdr., R.N., ret.</small>	Surveyor of Ships, Marine Dept., Wellington, N.Z.
5480	Brown, George W.	3, Park Street, North Shore, Black- pool
4839	Brown, Godfrey	Engineering Department, Royal Mail Steam Packet Co., Royal Mail House, Moorgate, E.C.2
2067	†Brown, Herbert	
4300	Brown, Herbert H.	<i>c/o</i> P.W.D., Johore Bahru, Malay States
2010	Brown, J., C.B.E. <small>(Vice-President)</small>	Messrs. Scott's Shipbuilding and Eng. Co., Ltd., Greenock
3979	†Brown, Jas. Ander- son	
2044	Brown, J. M.	117, Cranbrook Road, Ilford, Essex
5280	Brown, Leslie C.	13, Lakehouse Road, Wanstead, London, E.11.
166	Brown, L. M.	571, Green Lanes, Goodmayes, Essex
5089	Brown, Moses Seed	3, John Street, Paisley, Scotland
2236	Brown, P. T., M.C. Capt., R.A.R.O.	Lloyd's Register of Shipping, Prudential Buildings, George Street, Plymouth
5459	Brown, Robert F.	5, Queensgate Street, Hull
5230	Brown, Sydney W.	61, Windmill Hill, Enfield, Middx.
4286	Brown, Wm. Graham	25, Abbotsford Road, Goodmayes, Essex
4988	Brown, William Thompson <small>Engr.-Lieut. Comdr., R.D., R.N.R.)</small>	24, Redcliffe Gardens, Ilford, Essex
4994	Browne, Charles Harold	Newholm, Grange Avenue, Cheadle Road, Cheadle Hulme, Cheshire
4739	Browning, Bertram John	523, Gloucester Road, Horfield, Bristol

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
133	Bruce, Robert	Gresham House, Old Broad Street, E.C.2.
2354	Bruce, W. J. Willett, (O.B.E., R.D., M.Eng.) (Engr. Capt., R.N.R., ret.) (Vice-President)	Oceanic Chambers, Canada Branch Dock No. 1, Liverpool
2696	Brundrit, Jos.	6, Oriel Chambers, Water Street, Liverpool
3330	Buchan, J.R., O.B.E. (Engr. Lt.-Comdr., R.N., ret.)	Palatine Buildings, Knowsley Street, Bolton
4292	Buchanan, Gilbert	c/o Butterfield and Swire, Ltd., Hong Kong
4243	Buchanan, Hector D.	c/o Lloyd's Register of Shipping, Meikai Building, No. 32, Akashi Machi, Kobe, Japan
2302	Buchanan, J. Miller	Lloyd's Register of Shipping, 449/ 451, Bourse, Philadelphia, U.S.A.
3336	Buchanan, Thos.	c/o John A. Bremner & Co., 136, Wellington Street, Glasgow
4556	Buck, Alfred E. (Commd. Engr., R.N.)	H.M.S. <i>Dahlia</i> , Sheerness
224	Buckwell, G. W. (Vice-President)	Board of Trade Surveyor's Office, Market Place, Hull
4458	Bugden, A. George	"Rosemont," Downside Road, Sutton
4526	Bugg, Harold W.	11, Rue de Genes, Antwerp
3307	†Bullen, Harold	
3228	Bullen, Thos. H.	47, Kimberley Road, Penylan, Cardiff
2189	Bülow, V.C., R.D.	Lloyd's Register of Shipping, Hertzia, Packhusplatsen, 2, Gothenburg, Sweden
4812	Buntain, Alex.	8, Sandringham Terrace, Esplanade, Greenock
5465	Buntin, James	Municipality, Penang, S.S.
2882	Burbage-Clark, R.	Thames Chambers, Beer Lane, Great Tower Street, E.C.3.
3060	†Burdick, A. G	

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3789	†Burdick, S. J.	
3778	†Burgess, Edmund	
1562	Burghardt, John	Antwerp Water Works Co., Ltd., Waelhem, Belgium
3304	Burdis, Addison S. (Lieut., R.E.)	50, Brookdale Road, Sefton Park, Liverpool
4088	Burns, Wm. Millett	68, Henniker Gardens, East Ham, E.6
4683	Burton, Clarence	14, Abbey Court, Gerritsen Beach, Brooklyn, New York, U.S.A.
4803	Buscombe, Wm. E. (Engr. Lt.-Comdr., S.R., R.N.)	Sheffield House, Sheffield Street, Kingsway, W.C.2.
5297	Bussell, Edward N.	14, Syr Davids Avenue, Canton, Cardiff
3586	Butcher, Alexr. C.	Navigation Department, Sydney, N.S.W.
4887	Butler, Robert Louis	32, Holland Road, Liscard, Cheshire
2853	Butson, Cecil W.	<i>c/o</i> Messrs. Nielsen & Malcolm, Dubail Building, Rue Dubail, Hankow, China
3165	Butler, William	<i>c/o</i> Lloyd's Register of Shipping, 97 & 98, Scottish Provident Buildings, Donegall Square. West, Belfast
4804	Buxton, Joseph	25, Swallow Lane, Calcutta, India
4303	Cable, Roy	P.O. Box 286, Wellington, New Zealand
4497	Caird, Matthew Nimmo	Messrs. Caird and Rayner, Ltd., 777, Commercial Road, Lime- house, E.
882	*Caird, P. T.	Greenock, Scotland
2264	Cairns, J. S.	<i>c/o</i> Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
4474	Calcaterra, L. J.	60/63, Sda. Zerafa, Marsa, Malta
1972	Calderwood, W.	83, Hampton Road, Forest Gate, E.7

† Address wanted

* Life Member.

MEMBERS.

NO.	NAME.	ADDRESS.
5381	Caldwell, Arch.	"City Line," 75, Bothwell Street, Glasgow
5058	Callon, Thomas	13, Marsden Street, Barrow-in- Furness
175	Camilleri, A.	"Yeddo," 31, Victoria Terrace, Kiema, Malta
3368	Cameron, Fergus	48, Aire Street, Goole, Yorks.
2815	Cameron, Jas. D.	<i>c/o</i> Orient S. Nav. Co., Ltd., 3, Fenchurch Avenue, London, E.C.3
5184	Cameron, James H.	<i>c/o</i> Marine Engineers' Institute, Shanghai, China
3481	Cameron, Alexr.	<i>c/o</i> Turner, Morrison & Co., Ltd., P.O. Box No. 68, 6, Lyons Range, Calcutta
4085	Cameron, A. J.	7, Hatherley Gardens, East Ham, E.6.
3491	Cameron, D. P., M.B.E.	Davaar, 60, University Road, High- field, Southampton
4412	Cameron, James S.	33, The Drive, Ilford, Essex
4336	Cameron, J. Watt	<i>c/o</i> Asiatic Petroleum Co., Tientsin, China
3486	Cameron, R. V.	<i>c/o</i> Butterfield and Swire, Shanghai
3068	Campbell, Alexr.	Liebig's Extract of Meat Co., Fray Bentos, Uruguay
3853	Campbell, Alexr.	<i>c/o</i> China Navigation Co., Shanghai, China
2195	Campbell, Angus	<i>c/o</i> Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
2839	Campbell, D.	Marine Engineers' Institute, Shanghai
3815	Campbell, James W.	37, Forest Drive East, Leytonstone, E.11.
4805	Campbell, John P.	36, Muswell Avenue, Muswell Hill, N.10.
3277	Campbell, R. S.	<i>c/o</i> Parson's Optical Glass Co., Little Chester, Derby
4607	Campey, L. J.	31, Casslec Road, Catford, S.E.6.

MEMBERS.

NO.	NAME.	ADDRESS.
4421	Campkin, W. E.	<i>c/o</i> The Noel Ship's Insulation Co., 7, Land of Green Ginger, Hull
2196	Canham, Frank	<i>c/o</i> Morrison, 27, Bank Street, Greenock
4620	Cann, E. H. H.	20, Howrah Road, Salkia, India
4548	Cargill, Fredk. J.	47, Robart's Road, Anfield, Liver- pool
4377	Cargin, Matthew	69, Lamb Street, Walker, New- castle-on-Tyne
3227	Carlton, Thos., O.B.E. (Vice-President).	Consultative Branch, Mercantile Marine Dept., Board of Trade, 68, Victoria Street, S.W.1.
1674	Carmichael, H. F.	Ardsheal, Broadwater, Worthing
3101	Carnaghan, James (Vice-President).	Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.3
4825	Carnie, John D.	<i>c/o</i> Marine Engineers' Institute, Shanghai, China
4858	Carter, Alfred	15, Harrington Street, Liverpool
4195	Carter, Alf. E.	89, Portway, West Ham, E.
4189	Cartwright, Alf. Birks	<i>c/o</i> Robert Eeles and Co., Neville Chambers, 42, Westgate Road, Newcastle-on-Tyne
5415	Cartwright, Edward Lill	251, George Street, Sydney, N.S.W.
4615	Carwood, V. T. L.	147, Hollydale Road, Peckham, S.E.15.
BEED	Casebourne, Dargan	78, Gracechurch Street, E.C.3
3618	Casebourne, S. D.	5, Castle Street, Liverpool
2060	Catt, Frank V.	32, Victoria Terrace, Shima, Malta
2212	Chalmers, William	266, Blackness Road, Dundee
4480	Chaloner, John L.	John Le Boutillier, Ltd., 57, Bishopsgate, E.C.2.
4027	Chanter, R. H.	"Torquay," 32, Fladgate Road, Leytonstone, E.11.
4494	Chapman, Wm. F.	"Conway," Singlewell Road, Gravesend
4120	Charnock, J. E.	Little Hey, Pirbright, Surrey
2247	Chater, Francis A. O.B.E. (Engr. Capt., R.N., ret.)	97, Palmerston Road, Flat 1, Southsea, Hants.
4177		

MEMBERS.

NO.	NAME	ADDRESS.
4569	Cheesewright, S. E.	Commonwealth Navigation Service, Sydney, N.S.W.
3736	Cheetham, Arthur	Amberley, 37, Park Road, Rugby
3520	Cherry, Thos. R.	"Ardnagrena," Dunmore East, Co. Waterford, Ireland
5509	Chew, James W.	Exton House, Queen Street, Bris- bane, Queensland
2563	Chisholm, W. J. A.	22, Chatsworth Street, Sunderland
3935	Christian, Chas.	2, Edenpark Road, Prenton, Birken- head
4078	Christie, H. H. V.	Mount Stuart Dry Docks, Cardiff
3737	Church, Walter J.	Hill House, Grand Drive, Raynes Park, S.W.20
5154	Churcher, William Roy Milton	Queens House, Kingsway, London, W.C.2.
1263	Clapham, W.	61, Duckworth Lane, Girdlington, Bradford, Yorks
5229	Clark, George	Hartlepool Engine Works, Hartle- pool
1672	Clark, J. (Vice-President).	"Innellan," 38, Seagry Road, Wanstead, E.11
2690	Clark, John	19A, Enfield Road, Napier, N.Z.
4827	Clark, Robert	c/o Crosby Valve & Engineering Co., Ltd., 41/42, Foley Street, W.1.
3098	Clark, Robert B.	17, Hylton Street, North Shields
3929	†Clark, Thomas	
1857	Clarke, R. T.	c/o Engineers' Dept., 122, Leaden- hall Street, E.C.3
5428	Clarkson, Thomas	4/5, Queen Anne's Chambers. Westminster, S.W.1.
2276	Cleator, Chas. K.	Chichester Lodge, Devonshire Road, South Lambeth, S.W.8
139	Cleghorn, G.	135, Osborne Road, Forest Gate, E.
4984	Clench, Edward Claude Shake- speare	Aster Engineering Co. (1913) Ltd., Wembley

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2753	Cloudsley, Alexr.	<i>c/o</i> Irrawaddy Flotilla Co., Ltd., Post Box No. 129, Rangoon, India
4201	Clow, Henry	198, Albert Road, Jarrow-on-Tyne, Co. Durham
2976	Coates, Edward	23, Birchwood Place, Logie, Dundee, Scotland
4012	Cochrane, David	<i>c/o</i> The Rising Sun Petroleum Co., Ltd., Tsurumi, Yokohama, Japan
4513	Cockburn, Alex. C.	29, Amphill Road, Fulwood Park, Liverpool
5309	Cockburn, Andrew	"Hendersyde," Witton Road, Southampton
2465	Cole, George V.	Rose Villas, Broadbridge Heath, Horsham, Surrey
4324	Coleman, C.	54, Fort Road, Newhaven, Sussex
4604	Coleman, John C.	"Algoma," Ormiston Park, Knock, Belfast
3619	Coles, Frank	"Windrush," Oak Tree Road, Tilehurst, Berks
4601	Colinese, S. G.	30, Recreation Road, Colchester, Essex
4290	Collings, Fredk.	147, Claremont Road, Forest Gate, E.7.
560	Collings, J. W.	60, Coombe Rd., Croydon, Surrey
4064	Collingwood, J. C.	567 81st Street, Brooklyn, New York
4140	†Collins, John E. T.	
5308	Collins, William	Miskin Street, Toowoney, near Brisbane, Queensland, Australia
5044	Collins, William Henry	366, South Boulevard, Hull
3046	Collinson, Digby L. H.	<i>c/o</i> Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3.
	(Engr. Lieut.-Comdr., R.N., ret.)	
4649	Colpitts, Wm. H.	58, South John Street, Liverpool

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3106	Common, George Octavius	<i>c/o</i> Lloyd's Register of Shipping, Via della Borsa, Trieste
1666	Connell, C.	Port-na-haven, Bridgend, Isle of Islay
5488	Connell, Robert G.	108, Dundrennan Road, Glasgow
3223	Constantine, Robert	"Kenilworth," Cefn Coed Road, Roath Lake, East Cardiff
4487	Combes, J.	Engineering Dept., The Norwich Union Fire Insurance Soc., Ltd., City Square, Leeds
3480	Compton, William	68, Broad Street, New York, U.S.A.
2217	Cook, John Foden	23, Elsmere Avenue, Aigburth Road, Liverpool
3530	Cook, Sam. Ed.	"Elmdene," Standard Road, Bexley Heath, Kent
1108	Cooke, Alfred	36, Argyle Road, Ilford, Essex
3015	Cooke, Alfred Lewis	"Hampstead," Station Road, Ship- lake-on-Thames
171	Cooper, F., (Ch. Engr., R.D., R.N.R., ret.)	"Lochnagar," The Avenue, Worcester Park, Surrey
3914	Cooper, Jas.	Cotheridge Lodge, Ware, Herts
4841	Cooper, Norman Roy	<i>c/o</i> Messrs. Cooper & Greig, Ltd., Britannia Works, East Dock Street, Dundee
5247	Copeland, John	47, Belgrave Road, Wanstead, London, E.11.
3099	Copeman, William H.	Lloyd's Register of Shipping, Bank Chambers, 2, Freeman Street, Grimsby
1902	Copeman, W. C. J.	Wellsbank, 4, Granville Road, Ilford, Essex
4059	Copp, Lionel T.	26, Belmont Road, Portswood, Southampton
3835	Coppinger, C. W.	48, Tresillian Road, Brockley, S.E.
3977	Cordingley, John (Engr. Lieut., S.R., R.N.)	"The Moorings," 52, Hazelhurst Brow, Daisy Hill, Bradford
4108	Cormack, James	15, Restall Avenue, S.W.2

MEMBERS.

NO.	NAME.	ADDRESS.
4285	Cormack, Wm.	111, David Street, Grimsby
3477	† Corr, Daniel Jos.	
2176	Cornish, H. P.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
3341	Corns, Francis A.	<i>c/o</i> Wilton's Engineering & Slip- way Co., Rotterdam
5125	Corsie, William	"The Wenallt," Chalk Hill Road, Wembley Park, Middlesex
2634	Costigan, R.	23, Stormont Street, North Shields
3528	Coulthard, R. C. (Engr. Lieut.-Comdr., S.R., R.N., ret.)	64, Tavistock Road, West Jesmond, Newcastle-on-Tyne
5239	Cowell, Edward M.	20, Windsor Terrace, Fleetwood
2549	Cowie, William	<i>c/o</i> Lloyd's Register of Shipping, 127, Ramsden Square, Barrow-in- Furness
3367	Cox, Gerald O.B.E.	The Croft, Gyllyngvase Road, Fal- mouth
4092	Cox, Leonard C.	35, Pelham Road, Gravesend, Kent
2382	Crabb, Thos.	Tringwood Grange, Chesham, Bucks.
4105	Cragg, Robt. Gris- dale	Thorncliffe, New Longton, Pres- ton, Lancs.
3273	Craig, John A	S.S. <i>Taikoo Wan Yi</i> , Messrs. Butterfield & Swire, Hong Kong
2146	Craig, Robt. Keith	Gosses Farm, Birchgrove, East Grinstead, Sussex
1874	Craig, William J. (Lieut., R.E.)	10, Civil Lines, Cawnpore, India
4	*† Craig, W J.	
4668	Cram, Peter Jack	27, Daresbury Road, Liscard, Wallasey, Cheshire
5138	Cran, Alexander M.	11, Welham Road, Streatham, London, S.W.16.
4654	Crawford, A., Jnr.	China Navigation Company, <i>c/o</i> Messrs. Butterfield & Swire, Hong Kong
3796	Crawford, G. A.	22, Culmington Road, Ealing. W.
3147	Crawford, John	Erskine Villa, Alloa, Scotland

* Life Member.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5284	Crawford, Robert	<i>c/o</i> Lloyd's Register of Shipping, 10, Sagarimatsu, Nagasaki, Japan
4995	Crawford, William John	123, High Street, Dunedin, New Zealand
2050	Crennell, E. A.	62, Bayswater Road, West Jes- mond, Newcastle-on-Tyne
3391	Crewe, Henry E.	"Moorland," Albany Road, Doug- las, I. of Man
949	Crichlow, W. G.	60, Norfolk Road, Seven Kings, Essex
3583	Crichton, James, B.SC., M.E.	14, St. Mary Axe, London, E.C.3
3158	Crighton, Arthur Edw. (Member of Council).	6, Riverdale Gardens, Twickenham Park, Middlesex
1623	Crighton, J., O.B.E.	Lloyd's Register of Shipping, Place Alfred-Petyt, Dunkerque (Nord), France
4465	Crighton, John	Hume Lodge, Tavistock Road, South Woodford, E.18.
2087	Crockart, A.	18, Malm Street, Hull
4810	Crombie, W. A. E.	1, Westwood Park, Forest Hill, S.E.23.
2101	Crompton, Frank	White Chimneys, Alderton Hill, Loughton, Essex
1790	Crompton, T. A.	29, Clarendon Gardens, Ilford, Essex
2531	Cromwell, O.	92, Wanstead Park Avenue, Manor Park, E.
4945	Crooks, John Richard	Middle Farm, Walkington, near Beverley, Yorks
4686	Crookston, D. D.	16/17, Devonshire Square, London, E.C.2.
5163	Crosbie, John A.	Wilton Hill, Hawrik, Scotland
2921	Crosbie, Walter S.	Marine Engineers' Institute, Shanghai
2701	Crosby-Jones, F.	10, Everton Road, Croydon
4834	Cross, Rene	50, University Road, Highfield, Southampton

MEMBERS.

NO.	NAME.	ADDRESS.
2527	Crow, Lewis	3, The Exchange, Mount Stuart Square, Cardiff
4179	Cruickshank, Arthur H.	<i>c/o</i> Government Transport Dept., Accra, Gold Coast Colony
3510	Cruickshank, G. W.	126, London Road, Wembley, Middlesex
4697	Cubey, Norman	21, Bowland Terrace, Blaydon-on-Tyne, Durham
3644	Cumming, A. Geo.	12, Carlyon Street, Sunderland
4080	Cumming, Malcolm	Old Well House, Winlaton, Co. Durham
4022	Curling, Bernard C.	27, Warrington Road, Harrow
3075	Curnow, W. I.	151, Henniker Gardens, East Ham, E.6.
4550	†Currie, Peter M.	
5523	Curtis, Arnold J.	301, High Street, Sheerness
5443	Daglish, James, junr.	8, Shottfield Avenue, East Sheen, London, S.W.14.
3930	D'Agorne, A. J.	1, Clarence Road, Manor Park, E.
3263	Dale, Leonard D.S.	11, Doris Road, Sparkhill, Birmingham
2062	Dalton, R. H.	<i>c/o</i> H. Hopkinson and Co., Ltd., Imperial House, Kingsway, W.C.
4701	Daly, David	7, Landscape Terrace, Glasheen Road, Cork, Ireland
4637	Dalziel, David	11, Albert Mansions, South Lambeth Road, S.W.8.
1909	Dalziel, James	East Tivald, Lochmaben, Dumfriesshire
4244	Daniels, Chas. Ed.	"Ivydene," Drumchapel, Nr. Glasgow
3290	Daniels, Leslie A.	14, St. German's Place, Blackheath, S.E.
3893	Darroch, Arch.	13, Gloucester Road, Bootle, Liverpool

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2581	Dashper, E. H.	2, Westridge Road, Portswood, Southampton
3525	Davey, John	Lloyd's Register of Shipping, 14, Cross-shore Street, Greenock
2284	David, John	3, Pier Head Chambers, Bute St., Cardiff
4437	Davidson, Alex.	Seaforth Cottage, Charlestown, Fifeshire, Scotland
5306	Davidson,	<i>c/o</i> Beira Boating Co., Ltd., Beira, Portuguese East Africa
	Alexander	
3708	Davidson, J. H.	24, Cameron Street, Stonehaven, Kincardineshire
4681	Davie, William A.	60, Castle Street, Banff, Scotland
5244	Davies, Brinley C.	8, Park Road, Barry, Glam.
4655	Davies, David John	17, Newry Fawr, Holyhead
3603	Davies, Eric	Eastern Engineering Works, Ltd., 25B, Avenue Edward VII., Shanghai, China
4363	Davies, Frank B.	28, Victoria Street, S.W.1
5341	Davies, George A.	St. Bede, 83, Woodland Road, Barry Dock, Glam.
4341	Davies, Harold	"Ancona," Allensbank Road, Heath, Cardiff
2248	Davies, Walter	72, Middlesbro' Road, South Bank, Yorks
3755	Davies, Walter M.	75, Navarino Road, Hackney, N.
3968	Davis, Fredk. Jas.	Marine Staff, Eastern Telegraph Co., Electra House, Moorgate, E.C.2.
3084	Davis, Lewis	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
	Conford	
4996	Davison, Edgar	1, Office Street, Easington Colliery, Co. Durham
	Thirlwell	
5440	Davison, John G.	Chief Electrical Engineer, Municipal Electric Power Station, Mafeking, S. Africa
4863	Davison, Robert	26, John Williamson Street, South Shields

MEMBERS.

NO.	NAME.	ADDRESS.
5399	Davy, Arthur C. M. Lieut. (E.), R.C.N.	<i>c/o</i> Bank of Montreal, 9, Waterloo Place, Pall Mall, S.W.1.
1658	Daw, H. M. W.	Board of Trade Office, Glasgow
4380	Daykin, John D.	19, Carleton Street, Nelson, Lancashire
5298	Deacon, Alexander	"Kilmuir," Prenton Lane, Lower Prenton, Birkenhead
2283	Deacon, Harold O.	Hogerty Hill, Lunghurst Road, Woldingham, Surrey
2216	Dearden, H. G.	<i>c/o</i> The Commonwealth Dominion Line, Ltd., 9 and 11, Fenchurch Avenue, London, E.C.3
5484	Defty, Henry M.	9, Azalea Terrace South, Sunderland
5056	Delaney, Joseph Robert	28, Cornwall Avenue, Jordanhill, Glasgow, W.
5004	deLautour, Francis	P.O. Box 1156, Wellington, N.Z.
1913	DeMeo, Giovanni B.	Via XX Settembre 41, Genoa, Italy
4306	Dench, Chas. J.	<i>c/o</i> The Hooghly Docking and Engineering Co., Ltd., 6, Howrah Road, Salkia, Howrah, India
658	*Denny, James (Past President).	Engine Works, Dumbarton
4192	Denton, Herbert C.	5, Waverley Road, Bournemouth, Hants
4399	Depauw, J. J.	17, Rue de la Giroflée, Antwerp
4802	Derans, Oscar	Villa Gransäter, Trollhättan, Sweden
3252	Derry, George P.	"Deneholme," Fronks Road, Dovercourt, Essex
3398	Devlin, J. P.	<i>c/o</i> Messrs. Foster, Hain & Co., Ltd., Bute Docks, Cardiff
4510	Devlin, John S.	178, Boulevard Chave, Marseilles, France
2859	Dewar, James M. (Vice President)	1, Charing Cross, London, S.W.1.
2745	Dewar, Peter	1063, Sauchiehall Street, Glasgow

* Life Member.

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MEMBERS.

NO.	NAME.	ADDRESS.
1167	Dewrance, Sir J., K.B.E.	165, Great Dover Street, S.E.
1540	Dibb, W. J. (Engr. Lt.-Comdr., R.D., R.N.R.)	Chichester Lodge, Devonshire Road, S. Lambeth, S.W.8.
1517	Dick, J. B.	21, Terrace Road, Upton Manor, E.13.
4416	Dickinson, Alfred	74, Selwyn Road, Upton Manor, E.13
4571	Dickinson, Ernest	1, Elvey Street, Wakefield, Yorks
3119	Dickinson, Jas. B.	Rowanlea, Castle Terrace, Berwick- on-Tweed
1893	Dickinson, John T.	1, St. Austell Road, Lewisham, S.E.13
2739	Dickinson, W. F.	57, Birchdale Road, Forest Gate, E.7.
4335	Dickson, John S.	393, Romford Road, Forest Gate, E.7.
3806	Dixce, T. H. C.	516, Lea Bridge Road, Leyton, Essex
4159	Dixon, Herman G. (Member of Council)	Board of Trade, 79, Mark Lane, E.C.3
3686	Dodgson, Robt. C.	100, Dundrennan Road, Langside, Glasgow, S.2.
5522	Doeg, Allan Hunter	37, Leicester Road, Wanstead, E.11.
2025	Doherty, P. S.	Messrs. Naxos Abrasives and Sup- plies, Ltd., 1, Brixton Road, S.W.9.
1914	Doig, E. J.	c/o Messrs. Walkers, Ltd., Mary- borough, Queensland
5519	Doig, Michael	China Navigation Co., Ltd., c/o Messrs. Butterfield & Swire, Hongkong, China
2968	Dommett, W. E. (Capt., R.A.F.)	14, Cranes Park, Surbiton, Surrey
5414	Donald, Archie L.	S.S. <i>Eston</i> , c/o Messrs. P. & O. S.N. Co., Ltd., Export Freight Dept., 122, Leadenhall Street, E.C.3.

MEMBERS.

NO.	NAME.	ADDRESS.
4910	Donald, Gilbert	88, General Graham Street, Sunderland
4026	Donald, Leslie McL.	7, Trossachs Road, East Dulwich, S.E.
3400	Donald, Peter	13, Victoria Road, Grangemouth
5425	Donald, Samuel T.	88, Dresden Road, London, N.19.
1960	Donald, W.	Rockholm, Kames, Kyles of Bute
4044	Donald, Wm. Cawson	6, St. George's Road, Cranbrook Rise, Ilford, Essex
1597	Donaldson, D.	1, Lloyd's Avenue, E.C.3
5546	Donaldson, James	7, Manville Road, Wallasey, Cheshire
4862	Donaldson, Thomas Davey	Montrose, Queens Parade, Grimsby
3787	Doonan, John	30, St. Charles Sq., North Kensington, W.10
5234	Dorey, Stanley F., M.Sc., Wh.Ex. (Engr. Lieut.-Comdr., S.R., R.N.)	<i>c/o</i> Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.3.
2997	Douglas, Coventry P.	"Riverside," York Road, Rosebank, C.P., South Africa
3258	Douglas, Jas. Robert (Member of Council)	590, High Road, Leytonstone, E.11
5418	Douglas, Walter P.	Singapore Slipway & Eng. Co., Ltd., Tanjong Rhoo, Singapore
4589	Douglas, W. A. R.	6, Bridge Street, Sydney, N.S.W.
3343	Doust, Fredk. G.	52, Parrock Street, Gravesend, Kent
1240	Doust, R.	57, Kent Road, Gravesend, Kent
3925	Downey, Rich. S.	27, Maple Road, Leytonstone, N.E.
1957	Downie, Fairbairn, Major, C.B.E.	National Liberal Club, Whitehall place, S.W.1.
5221	Downie, Robert M.	3, Linkskill Place, North Shields
4542	Downing, A. R.	7, Brunswick Place, Aberdeen
3286	Downing, Montague	The West Midland Sugar Co., Ltd., Foley Park, Kidderminster
3828	Downs, John	68, Hillier Road, Wandsworth Common, S.W.11.
3089	Downton, John Alexr.	40, West India Dock Road, London, E.

MEMBERS.

NO.	NAME.	ADDRESS.
3978	Doxford, Ernest R.	6, North View, Kells Lane, Low Fell, Durham
3161	Drake, Thomas	<i>c/o</i> Royal Mail Steam Packet Co., Engineering Department, R.M.S.P. Buildings, Southampton
4467	Drake, Wm. Edw.	Marine Dept., G.W.R., Fishguard
4650	Drew, Harold	98, Baring Street, South Shields
4205	Drew, Wilfrid H.	4, Sherbourne Road, Blackpool
1881	Drewry, H. K. (Engr. Lieut., R.N., ret.)	<i>c/o</i> Buck & Hickman, Ltd., 62, Market Street, Manchester
4193	Dring, Charles	14, St. Andrew's Terrace, Sunderland
2900	Driver, Wm. A.	16, St. Vincent St., South Shields
5508	Drummond, Roy Macgregor	4, Criffel Avenue, Streatham Hill, S.W.2.
2215	Ducoster, Francis	Corso Vittorio Emanuele No. 665, Naples, Italy
2795	Duff, John B., B.Sc.	87, Shrewsbury Road North, Birkenhead
2794	Duff, Peter	Messrs. J. Gordon Alison and Co., Ltd., Birkenhead
4304	Duffus, Jas. Harold	Chief Engineer, <i>c/o</i> Bombay and Persia Steam Nav. Co., Bombay, India
4227	Dugdale, James	1, Manor Road, Canton, Cardiff
1992	Dumbell, Wm. T.	12, St. John's Place, Waterloo, Liverpool
3471	Dumont, Arthur	Supt. Mech. Engineer, Marine Dept., Apartado 150, Tampico, Tams, Mexico
1217	Dunbar, A.	Prince's Wharf, S. Melbourne, Australia
4878	Duncan, James Harry	24, Melbourne Road, Ilford, Essex
5217	Duncan, Robert D.	25, Mayfair Avenue, Ilford, Essex
2242	Duncan, R. N.	<i>c/o</i> R. N. Duncan and Co., Rua Visconde do Rio Branco No. 20, Santos, Brazil

MEMBERS.

NO.	NAME.	ADDRESS.
4052	Dundas, Stuart	Botesdale, Diss, Suffolk
4779	Dunipace, Bruce	Red Star Line, Antwerp
4829	Dunkerley, Herbert	Trinity House Chambers, Trinity House Lane, Hull
4966	Dunlop, James Fulton	Slipway Engineer, Port Swettenham, F.M.S.
1198	Dunlop, John	2, Willan Road, Eccles, Lancashire
3593	Dunlop, John	23, Matai Road, Hataitai, Wellington.
2717	Dunlop, Thos.	228, Mitcham Lane, Streatham, S.W.16.
2872	Dunn, Fred. W.	15, Elmfield Road, Balham, London, S.W.17
2951	Dunn, John	59, Park Grove, Hull
2726	Dunn, Robt. J.	21, Quebec Road, Ilford, Essex
3997	Dunning, John (Engr. Comdr., R.D., R.N.R., ret.)	52, Norfolk Road, Seven Kings, Essex.
4879	Dupont, Edgard	56, rue Robert Mols, Antwerp, Belgium
3651	Dutton, Alf. E.	5, Wellesley Avenue, Hull
3797	Duxon, Fredk. C.	c/o Douglas Steamship Co., Ltd., Hong Kong
2476	Dye, C.	Rose Cottage, Northwold, Stoke Ferry, Norfolk
2175	Dykes, John	Lloyd's Register of Shipping, Tower Buildings, Liverpool
5270	Eadie, John A.	44, College Road, Whalley Range, Manchester
4401	Eagle, George Frederick	162, Uttoxeter New Road, Derby
4468	Eaglesome, A. W.	"Strathcona," 34, Finchley Way, Church End, Finchley, N.3.
2318	Earnshaw, V. R.	Manager of Workshops, Post and Telegraph Dept., Pipitea Point, Wellington, N.Z.
1884	Earnshaw, Wm. (Engr. Lt. Comdr., R.N., ret.)	4, St. Mary Axe, E.C.3

MEMBERS.

NO.	NAME.	ADDRESS.
4478	Earp, William L.	96, Albacore Crescent, Lewisham, S.E.13
2208	Easthope, James	Rock View, Padstow
4688	Easthope, Robt. J.	Lloyd's Register of Shipping, 8, Rue de la Republique, Marseilles
294	†Edgar, Geo., Snr.	Messrs. Port Talbot Graving Dock and S.S. Co., Dry Docks, Port Talbot, S. Wales
2001	Edgar, Geo., Jr.	
4671	†Edmond, John T.	<i>c/o</i> A. Ormerod, Esq., Carlton House, Clifton Drive, Lytham, Lancs.
3419	Edwards, Edward	
5029	†Edwards, Edmund Thomas	
4411	Edwards, Fred	75, Romilly Road, Canton, Cardiff
5391	Edwards, Frank H.	155, Wrotham Road, Gravesend, Kent
5179	Edwards, Geo. R.	"Engadine," Little Switzerland, Douglas, I.O.M.
5197	Eidlitz, Cornel	Adria S.S. Co., Fiume
2759	Elderton, Alfred J. (Engr. Lt.-Comdr., S.R., R.N.)	222, St. Vincent's Road, Dartford, Kent
3320	Eley, Chas. V.	10, Cambridge Crescent, Edgbaston, Birmingham
5120	†Elliott, Edward W., D.S.C.	
1228	Elliot, John	166, Newport Road, Cardiff
5424	Elliott, D. B.	55, Everard Street, Barry Dock, Glam.
536	Elliott, R., B.sc.	Woodleigh, Thorold Road, Bitterne Park, Southampton
4776	Ellis, George R. (Engr.-Lieut., R.N., ret.)	19, Meadow Way Green, Letchworth, Herts.
4609	Ellis, Joseph H.	37, Ulundi Road, Blackheath, London, S.E.3
26	Ellis, T. H.	8, Northanger Road, Streatham Common, S.W.16.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2977	Ellis, Wm. E.	<i>c/o</i> The Alexander Shipping Co., Ltd., 4, St. Mary Axe, E.C.3
4667	Ellison, John M. (Major, R.E., Res. of Officers)	Holme Wood, Cockermouth
4447	†Ellison, Joseph	
4578	Embleton, M. H.	S.S. <i>Australia</i> , B.I.S.N. Co., <i>c/o</i> Gray, Dawes and Co., Royal Albert Dock, E.
4360	†Emmens, John	
4986	Erskine, James Campbell	<i>c/o</i> Greenlees & Co., Endeavour House, Macquarie Place, Sydney, N.S.W.
2073	Esplen, Jas. J.	22, Billiter Street, London, E.C.3.
2425	Esplin, W. J.	54, Calder Street, St. Kilda, Dunedin, New Zealand
3916	Essenhig, R.	1, Colin Street, Wigan Lane, Wigan, Lancs.
3315	Evans, Albert R.	5, Clive Place, Penarth, Glam.
3599	Evans, Alf. Ed.	8, Wordsworth Avenue, Cardiff
5419	Evans, Arthur M.	81, Needham Road, Edge Lane, Liverpool
3482	Evans, E. Reg., (Lieut., M.B.E., R.F.A.)	<i>c/o</i> Harbour Board, Singapore
2659	Evans, Daniel E. (Major, D.S.O., R.E.)	121, Eagle Street, Brisbane, Queensland
4924	Evans, Daniel Richard	99, Dale Street, Lancaster
1737	Evans, E. H.	5, Binnie Street, Gourock
1748	Evans, F. S.	18, Palace Grove, Bromley, Kent
5214	Evans, Harold B.	18, Little Green Lanes, Erdington, Birmingham
5286	Evans, Herbert N.	3, Grove Mansions, Wallasey, Cheshire
3074	Evans, Idwal W. J.	59, Alexandra Road, Canton. Cardiff
1653	Evans, J. H.	53, Boyne Road, Lewisham, S.E.
3386	Evans, W. A. C.	"Chelston," Bishops Road, Whit- church, Cardiff

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5360	Evans, William W.	Glandur, Portdinorwic, North Wales
4684	Everard, Alfred M.	1, Darwen Villas, London Road, Greenhithe, Kent
5119	Eves, Robert (Capt.)	Public Works Department, Johore, Malay Peninsular
3682	Ewing, Alexr.	c/o Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.3
4857	Fairbairn, William (Engr.-Lt., R.N.R.)	Mazagon Dock, Bombay, India
4033	Fairgrieve, James	Asiatic Petroleum Co.'s Installation, Hankow, China
1717	Falcon, J.	The Oaks, Hermon Hill, Wanstead, Essex
555	Farenden, W. E. (Member of Council)	Kilsby, Berrylands Road, Surbiton, Surrey
4191	Farquhar, Alexr.	The Superintendent of Machinery, Karachi Port Trust, Manora, Sind, India
4208	Farquharson, Alex.	24, Rosebery Street, Aberdeen
2299	Farquharson, D. C.	3, Bedford Terrace, Joppa, Edinburgh
4983	Feathers, James	46, Beaconsfield Road, Seaforth, Liverpool
4014	Ferguson, Douglas	58, Bushey Avenue, South Woodford, E.18.
4922	Ferguson, Hamilton	c/o James Rigby, Esq., 5, Scot-holme Avenue, Hyson Green, Nottingham
3687	Ferguson, Hugh M.	54, Randolph Gardens, Broomhill, Partick, Glasgow
3911	Ferguson, Jas. A.	28, Ashbourne Road, Aigburth, Liverpool
3163	Ferguson, R. Heaton	Khedivial Mail S.S. Co., Ltd., Alexandria, Egypt
5471	Fidje, Nils Agnar	6, Grey Street, Newcastle-on-Tyne

MEMBERS.

NO.	NAME.	ADDRESS.
2713	Fielden, B. P. (Vice-President)	4, Cavendish Gardens, Ilford, Essex
3969	Filshie, James	Witney Green, Hyde Street, Yarraville, Victoria, Australia
4663	Finch, James	46, Norfolk Avenue, London, N.15.
1906	†Findlay, Alex.	
2502	Findlay, John T.	1, Carrington Avenue, Cottingham, Hull
3243	Finney, Edw. Bowie	"Bunbury," St. James Avenue, Gravesend
4451	Finney, John B.	60, Fauldshead Road, Renfrew, Scotland
3406	Fisher, Wm. E.	81, Shore Street, Gourock, Scotland
2000	Fitch, J. R. M.	Lawford Iron Works, Manningtree
4198	Fitzgerald, Geo. S.	S.S. <i>Modasa</i> , B.I.S.N. Co., <i>c/o</i> Gray, Dawes & Co., R.A. Docks, London, E.
1188	Fitzgerald, J. C.	17, Manor Crescent, Cardwell Bay, Gourock, Scotland
3108	Fitzgerald, Percy	Sandbank, Ings Road, Hull
4239	Fitzpatrick, G. A.	H.M.T.S. <i>Alert</i> , Admiralty Harbour, Dover
3963	Flaherty, John J.	"Cobden," Greymouth, New Zealand
1908	Flanagan, Matthew	<i>c/o</i> Miss Allison, 2, Caird Drive, Partick Hill, Glasgow
422	*Flannery, Sir J. F., Bart., M.P. (Past President).	9, Fenchurch Street, E.C.3
3869	Fleet, Herbert A.	Melcher's Buildings, Tientsin, North China
4935	Fleming, Alexander	37, Montpelier Gardens, East Ham, E.6
5321	Flenley, Arthur	164, Anfield Road, Liverpool
3738	Fletcher, H. E.	21, Northwood Road, Forest Hill, S.E.23.
4989	Flint, Ernest Arthur	48, Howard Road, Upminster, Essex

† Address wanted.

* Life Member by Election.

MEMBERS.

NO.	NAME.	ADDRESS.
2079	Flower, C. A.	<i>c/o</i> Messrs. Houlder Bros. & Co., Ltd., 146, Leadenhall Street, London, E.C.3
4745	Floyd, Peter	Forwood, Pencisely Road, Cardiff
3605	Forbes, Neil S.	Randolph Villa, Manor Crescent W., Gourrock, Scotland
2308	Ford, A. F.	Port Trust, Aden
509	Ford, William	Glendorgal, Malford Grove, South Woodford, Essex
2704	Forrest, H. R.	Engineering Dept., Norwich Union Fire Insurance Soc., Ltd., 20-22, Lincolns Inn Fields, W.C.2
4307	Forrest, James D.	<i>c/o</i> Butterfield & Swire, Shanghai
4626	Forrest, William	71, Rochdale Road, Plumstead, S.E.18.
4134	Forshaw, Robt.	C.S. <i>Marie Louise MacKay</i> , <i>c/o</i> Commercial Cable Co., Wormwood Street, London
3082	Forster, Herbert C.	Lloyd's Register of Shipping, 18½, Regent Quay, Aberdeen
4564	Forster, Wm. E.	<i>c/o</i> Howard Smith, Ltd., 33, Cornhill, E.C.3
4036	Forsyth, J. T.	<i>c/o</i> A. W. Smart, Esq., 2, Stuart Street, Cardiff
3473	Forsyth, Reg. J.	110, Caledon Road, East Ham, E.6.
5432	Foster, Eldred C.	4, Bellevue Park, Cork, Ireland
2681	Foster, Thos.	C.P.R. Steamer <i>Princess Marguerite</i> , Victoria, B.C.
3065	†Fotheringham, J.	
5248	Fountain, L. B.	Standard Transportation Co., 26, Broadway, New York, U.S.A.
2254	Fowler, W. P. (Engr. Lt.-Comdr. R.N., ret.)	Bureau Veritas, Milburn House, Newcastle-on-Tyne
3773	Fowler, John G. P.	14, Westal Parade, South Shields
2816	Fowling, Charles	Lloyd's Register of Shipping, Paseo de Colon No. 11, Barcelona, Spain

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3868	Fowling, Frank	Asst. Mechanical Supt., Metropolitan Water Board, Lea Bridge
3199	†Fox, Chas. W.	
2094	Fox, Leonard M.	47, Hazlewell Road, Putney, S.W.
4524	Francis, R. F.	2, The Bayle Parade, Folkestone
2622	Frank, A. E.	Elton, Granville Avenue, West Hartlepool
4383	Franklin, Geo. H.	38, Audley Gardens, Seven Kings, Essex
4154	Fraser, Sidney	21A, Welfield Place, Prince's Park, Liverpool
3135	Fraser, William	Chirnside, Houston, Renfrewshire
4378	Fraser, Wm. H.	Lloyd's Register of Shipping, Collingwood Building, Newcastle-on-Tyne
4795	Freeman, Jacob George	154, Bishopsgate, E.C.2
2883	Freeman, Sterry B., c.B.E.	Messrs. Alfred Holt & Co., India Buildings, Liverpool
2309	(Vice-President) French, Harold H.	c/o Messrs. Turner, Morrison & Co., P.O. Box 68, Calcutta
1679	French, J. H.	91, Fillebrook Road, Leytonstone, E.11.
4735	Frew, David	c/o Lago Oil Transportation Co., Aruba, Dutch West Indies
3018	Frogley, John A.	80, Gough Street, Poplar, London, E.
3007	Froude, Walter H.	5437, Vine Street, Kerrisdale, P.O., Vancouver, B.C.
3883	Fry, Thos. Geo.	449, Bourse Building, Philadelphia, U.S.A.
4680	Furlong, H. L. J.	Imperial Lighthouse Service, Colombo, Ceylon
3629	Furneaux, W. R.	9, Breamore Road, Seven Kings, Essex
3831	Funnell, Albert J.	"Cathay," Newhaven, Sussex
3232	Fyfe, Chas. L.	39, Park Road, South Wanstead, London, E.

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5126	Gahan, R. E.	7/2, Morninpore Lane, Alipore, Calcutta
5222	Gahan, Robert J.	Paksey, E.B. Railway, Bengal, India
4169	Gair, George	38, Blythswood Road, Goodmayes, Essex
5446	Galbraith, William	B.I. Engineers' Club, Box 296, Calcutta
458	Gale, J. (Vice-President)	36, St. Andrew's Square, Surbiton, Surrey
437	Gale, W.	"Thicketts," Roffes Lane, Chaldon, near Caterham, Surrey
3848	Gallagher, J. A. C	77, Foyle Road, Blackheath, S.E.
5228	Galloway, W. J.	The British Imperial Oil Co. (N.Z.) Ltd., Wellington, New Zealand
5436	Galt, Walter Alex.	163, Fillebrook Road, Leytonstone, E.11.
2712	Gammon, R. W.	54, Chester Road, Katherine Road, Forest Gate, E.7
1896	Gander, Jas. S.	23, Anchor Terrace, Southwark Bridge Road, S.E.1
5337	Gardiner, Charles	776, Barking Road, Plaistow, E.13.
3412	Gardner, A. J.	"Belmont," 9, Bertha Street, Treforest, Glam.
2987	Gardner, Wilfrid A.	35, Granville Avenue, West Hartlepool
5241	Garlick, John B.	8, Mulberry Place, Edinburgh
3222	Garnett, Herbert Alan	Lloyd's Register of Shipping, 31, Oxford Street, Southampton
2395	Garnham, W. T	c/o Sociedad Explotadora de Tierra del Fuego, Frigorifico, Bories, Punta Arenas, Chile
4245	Garratt, Ernest A., D.B.E.	Director, Jacobs Barringer and Garratt, Ltd., 78, Gracechurch Street, E.C.3
4770	Gascoyne, R. E.	29, Abinger Road, Bedford Park, W.4.

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4902	Gaskin, George Henry	<i>c/o</i> B. Dunipace, Esq., SS. <i>Zeeland</i> , <i>c/o</i> White Star Line, Southamp- ton
1064 2961	Gatheridge, T. R. Geach, George E.	29, Waterloo Gardens, Cardiff 56, Vernham Road, Plumstead, S.E.18
4051	Gearing, Herbt. E.	<i>c/o</i> Messrs. Rutherford, Ltd., P.O. Box 1075, Cape Town
3799	Gearon, Colin F.	Public Works Dept., Belize, British Honduras
3923	Geddes, D. M.	"Oakhill Holme," Oakhill, Stoke- on-Trent
3254	Geen, George Henry	"Avoca," Brynmill Crescent, Swansea
3647 4696	Gemmell, David Gentle, Alexander	7, Sackville Gardens, Ilford, Essex 30, Durham Road, Manor Park, E.12.
4533	George, Herbert	77, Carlisle Road, Hove, Sussex
4424	Georgeson, Peter S. A.	<i>c/o</i> Straits S.S. Co., Ltd., Singa- pore, S.S.
1416	Gerard, Thomas	28, Claremont Road, Forest Gate, E.7
3295	Gibbs, R. J.	23, Vaughan Gardens, Ilford, Essex
4639	Gibson, Alfred T.	24, Park Road, Manor Park, E.12
4499	Gibson, A. Wm.	22, Gladstone Street, Hull
3485	Gibson, Hugh	4, Cyril Crescent, Cardiff
2761	Gibson, J. H. O.B.E., M.Eng.	3, Central Buildings, Westminster, S.W.1.
5060	Gibson, John	13, Clifton Gardens, Goole, York- shire
3467	Gibson, Thos. M.	4, Earl Road, Penarth, Glam.
1372	Gilbert, C. H.	Carisbrooke, Sidcup, Kent
5164	Gilbert, Henry C.	82, Station Street, Barry Dock, Glam.
4593	Gilbert, Herbert R.	94, New Street, Brightlingsea, Essex
2410	Gilby, Hy.	Lloyd's Register of Shipping, Lancaster Chambers, 17, Wind Street, Swansea

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3841	†Gilchrist, James	
3107	Gill, Jas. H. Wainwright C.B.E. (Major, R.E.)	33, Earl's Court Gardens, London, S.W.5.
4186	Gillam, James	14, Boswall Terrace, Edinburgh
4185	Gillam, W., junr.	22, Ryehill Terrace, Leith, Scotland
5421	Gillanders, George	18, Beech-Hill Road, Eltham, S.E.
3704	Gillespy, Geo. T.	International Building, Kingsway, W.C.2.
3494	Gillies, R. McP.	78, Gracechurch Street, London, E.C.3
3123	Gillespie, Alexr.R.	Calle Patria 1769, Montevideo, Uruguay
3292	Gilmour, Crawford A.	92, Sudbourne Road, Brixton Hill, S.W.
5113	Girdlestone, H. H.	<i>c/o</i> Mackinnon, McKenzie & Co., Strand Road, Calcutta
501	Girdwood, Adam	39, Kilmaurs Road, Edinburgh,
451	Girdwood, J. F.	41, West Relugas Road, Edinburgh
4358	Gladstone, Joseph	66, Oxford Street, Whitley Bay, near Newcastle-on-Tyne
1104	†Glassford, H.	
4172	Glavin, John F.	1, Lough Villas, Cork, Ireland
3975	Glavin, Thos.	1, Park View, Queenstown, Co. Cork
3426	Glentworth, Harry	8, East Parade, Goole
2767	Goddard, J. Alan	No. 1, The Wyk House, Sandy Lane, Hampton Wick
5314	Godfrey, W. H.	<i>c/o</i> Miss Simpson, 15, Rosemount Terrace, Highfield, Keighley
4711	Goode, Charles E.	682, Barking Road, Plaistow, E.13.
4348	Goodsir, David	10, Lonsdale Gardens, Eastern Avenue, Ilford
5103	Goodyear, Sydney Samuel	65, Brighton Road, Newhaven, Sussex
3582	Gordon, Sam G.	4, Lloyd's Avenue, E.C.3.
2938	Gordon, Wm.	90, Clapham Road, Lowestoft

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4520	Gordon-Luhrs, H. (Lt.-Col., C.M.G.)	52, Moorside, Fenham, Newcastle-on-Tyne
3118	Gordon-Minchin, William	Lloyd's Register of Shipping, Commercial Bank Buildings, 14, Cross-shore Street, Greenock
4746	Gould, George P.	48, Beechwood Avenue, Thornton Heath, Surrey
4835	Goulding, John Shallcross	Southolme, Coronation Drive, Great Crosby, Lancashire
3894	Gourlay, Geo. C.	30B, Evelyn Road, Wimbledon, S.W.19
4797	Gow, William	"Netherton," New Deer, Aberdeenshire
4638	Graham, Alex.	Tigh na Bruaich, Keppel Harbour, Singapore
4308	Graham, A. R.	<i>c/o</i> John White, Boyd & Co., Marine Surveyors, 224, St. Vincent Street, Glasgow
2200	Graham, A. T.	"The Croft," 79, Tressillian Road, Brockley, S.E.4
3547	Graham, Jas.	Mines Office, Kuala Lumpur, F.M.S.
2630	Graham, Jas. W.	"Westwood," Haydon Bridge, Northumberland
3039	Graham, John	Atherholt House, 159, West Park View, South Shields
3642	Graham, Joshua	Board of Trade Surveyor's Office, Custom House Buildings, Dundee
4822	Graham, Neil	Compania Carbonera de las Palmas, Apartado 101, Las Palmas, Grand Canary
1337	Graham, W. A. (Engr. Comdr., O.B.E., R.N.R.)	"West Cliff," Woolston, Southampton
2684	Grant, Andrew	"Moidart," 5, Hadfield Street, Georgetown, British Guiana
3404	Grant, C. F.	"Fairholme," 83, Old Park Ridings, Grange Park, N.21
4403	Grant, Geo. D.	<i>c/o</i> Jardine Matheson & Co., Shanghai, China

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2251	Grant, John	55, Victoria Road, Stechford, Birmingham
2315	†Grant, John G.	
3772	Grant, Stephen	93, Burges Road, East Ham, E.6.
2788	Gray, Geo. Macfarlane	Board of Trade Office, 37, Eden Quay, Dublin
4422	Gray, Hubert	3, Cresswell Buildings, Pembroke Dock, Pembrokeshire
5493	Gray, John	<i>c/o</i> Messrs. Esplen, Swainston & Wilson, Ltd., 25 de Mayo 489, Buenos Aires
4299	Gray, John	11, Ezra Road, Shanghai
2911	Grearson, Bernard W.	"Ruberslaw," Millpark Avenue, Hornchurch, Essex
2525	Grearson, J. T.	"Ruberslaw," Millpark Avenue, Hornchurch, Essex
1395	Green, E. W. O.B.E.	Blackwall Yard, London, E.
3511	Green, Thomas	145, Broomhill Drive, Partick, Glasgow
5420	Greenhill, Ernest S.	52, Gordon Street, Hull
4964	Greenlees, Alexander McPhee, O.B.E., M.C.	<i>c/o</i> Messrs. Greenlees & Co., Endeavour House, Macquarie Place, Sydney, N.S.W.
4570	Greenwood, Robert	41, Napier Street West, Oldham
5	Greer, D.	55, Leyspring Rd., Leytonstone, E.
5472	Gregory, Scott	R.M.S.P. Co.'s Officers' Club, Southampton
3881	Greig, Chas. M.	12, Egham Street, Canton, Cardiff
3285	Greig, Jas. A.	201, Central Park Road, East Ham, E.6
2691	Greig, Kenneth E.	Cornhill, Quarry Bay, Hong-Kong
2545	Grieve, C. J. K.	Post Box No. 20, Kuala Lumpur, Federated Malay States
3728	Grier, Robt. Bruce	23, Belmont Park, Lewisham, S.E.13

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5502	Griffin, Norbert J.	St. Helens Court, Great St. Helens, E.C.3.
4600	Griffiths, S. W. H.	64, Brook Road, Bootle, Lancs.
4970	Grinyer, Herbert John	<i>c/o</i> Royal Mail Steam Packet Co., 57, Moorgate, E.C.2
5340	Groundwater, Wm. Major.	Selwyn West Heath House, London, S.E.2.
4450	Grubb, Harry	1, Belle Vue Terrace, Penarth, Glam.
2127	Grubb, J. R.	19, Park Place, Elie, Fife
5464	Grundy, Samuel F.	148, Eccles Old Road, Pendleton, near Manchester
4628	†Guild, John S.	
3450	Gullett, Thos. Ed.	66, Peverell Park Road, Plymouth
3500	Gunner, R. L.	7 T do Caes do Tojo 1° Conde Barao, Lisbon
4038	Gunston, Robt. W.	Board of Trade Surveyor's Office, Hull
2275	Haigh, W.	<i>c/o</i> Institute of Marine Engineers, 85, Minories, E.1.
980	Hale, C. W. (Ch. Eng. R.N.R., ret.).	2, Wick Elms, Devizes, Wilts.
3132	Halket, J. Pitcairn, Junr.	30, Westcombe Park Road, Black- heath, S.E.3
253	Halket, J. P.	Glengall Iron Works, Millwall, E.
3653	Hall-Brown, A.	Babcock House, Farringdon Street, E.C.
5235	Hall, Arthur	27, Grove Terrace, Teddington, Middlesex
3531	Hall, Henry R.	4, Alliance Avenue, Hull
2392	Hall, J. Cochar	P.O. Box 768, Durban, South Africa
3449	Hall, John Percy	Lye House, Bricket Wood, Herts.
2865	Hall, Robt.	Harbour Office, Hong Kong
4584	Hall, Sydney	88, Albert Road, Ilford, Essex
5366	Hall, Thomas	41, Kensington Road, Middles- brough

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3174	Hall, Wm. Victor	<i>c/o</i> John McLaren, Esq., 71, Leadenhall Street, London, E.C.3
3905	Hamilton, Herbert	162, Wallasey Road, Liscard, Cheshire
3954	Hamilton, Wm.	26, Mosley Street, Newcastle-on-Tyne
2598	Hammond, John C.	Marine House, Saltburn-by-Sea, Yorks
4272	Hamilton, J. M. Pirrie	13, Waldegrave Road, Ealing, W.5
4151	Hamlyn, Wm. T.	<i>c/o</i> Dr. Haig, 88, Dalston Lane, E.8
2931	Hanick, John	High Street, Forfar, Scotland
5144	Hanover, Joseph	135, Alma Street, West Hartlepool, Durham.
4030	Hansen, Leighton B.	Superintendent Engineer, The British Imperial Oil Co., Ltd., Alliance Buildings, 96, St. George's Terrace, Perth, W.A.
3895	Harborne, Herbert	81, Cromwell Road, Grimsby
3087	Harbottle, Joseph	Burnaby Lodge, Ryton-on-Tyne
4274	Hardie, Alexr. Strachan	The Bungalow, Central Stores Depot, 464, National Projectile Factory, Caton Road, Lancaster
4512	Hardie, Arthur	38, Reddons Road, Beckenham, Kent
3124	Harding, Arthur J.	Chief Engineer, S.S. <i>British Chancellor</i> , <i>c/o</i> British Tanker Co., Ltd., Britannic House, Finsbury Circus, E.C.2.
1911	Hardy, William	Roseville, Newry, Ireland
3703	Hargreaves, Harry	9, Sherfield Road, Grays, Essex
5085	Harker, Arthur	9, Fenchurch Street, E.C.3
3211	Harman, George John	<i>c/o</i> The Engineers' Club, 39, Coventry Street, London, W.1.
4337	Harper, James W.	<i>c/o</i> Eagle Oil Transport Co., Ltd., 16, Finsbury Circus, E.C.2
4492	Harper, John Wm.	141, Downton Avenue, Streatham Hill, S.W.2.

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2494	Harold, H. F. (Engr. Comdr., R.N.)	Sandy Lodge Way, Northwood, Middlesex
4679	Harris, Colin H.	147, Queen Victoria Street, E.C.4.
3454	Harris, David Jas.	"Caledonia," Waltham Avenue, Holyhead
3469	Harris, S. McG.	62, Chatsworth Avenue, Orrell Park, Liverpool
4618	Harris, Wm. T.	"Zennor," Baroness Place, Penarth, Glam.
2906	Harrison, A. J.	"Ellerker," 149, Sheen Lane, S.W.14
3950	Hart, Norman	Kingsbury House, King Street, St. James', S.W.1
3266	Harte, Herbert	64, Holland Park Avenue, London, N.W.11.
5070	Hartley, Frank Ridgard	42 Poplar Road, Oxtou, Birkenhead
3606	Hartridge, H. J.	190-81st Street, Brooklyn, N.Y., U.S.A.
3763	Harvey, Ernest W. (Member of Council)	Messrs. Furness, Withy & Co., Ltd., Furness House, Leadenhall Street, E.C.3.
1983	Harvey, F.	62, Vernham Road, Woolwich, S.E.18.
2624	Harvey, Fredk.	13, Park Avenue, North Shields
3072	Harvey, John B. (Member of Council)	43, Endsleigh Gardens, Ilford, Essex
337	Haslam, Sir A. S., Kt.	Breadsall Priory, Derby
4260	Hastings, J. Bartle	7A, Southcliff Terrace, The Avenue, Southampton
2108	Hawthorn, Jas. E.	"Toledo," 30, Blakehall Crescent, Wanstead, E.11
6	Hawthorn, J. G. (Member of Council)	"Toledo," 30, Blakehall Crescent, Wanstead, E.11.
4585	Hayhurst, T. W.	143, Cairo Street, Sunderland
2953	Hayles, William	"Redlands," Chepton Road, New- port, Mon.

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NO.	NAME.	ADDRESS.
695	Haynes, F. G., O.B.E., R.D. (Engr. Comdr., R.N.R., ret.)	Fort Johnston, Lake Nyasa, Nyasaland, Africa
5258	Hayward, Sid. G.	School House, Ricardo Street, Poplar, E.14
3870	Heasley, M. E.	20, Cecil Road, Prenton, Birkenhead
2223	Heck, John S.	Lloyd's Register of Shipping, 17, Battery Place, New York, U.S.A.
3176	Heck, Wm. Dennis, B.SC.	<i>c/o</i> Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
2924	Hegg, Thos. John	98, Osborne Road, Forest Gate, E.7
4908	Helm, Harold	82, Sandhurst Street, Aigburth, Liverpool
4678	Helyer, Rodney L.	14, Halesworth Road, Lewisham, S.E.13
4309	Hemingway, T. P.	64, Rupert Street, Subiaco, West Australia
4952	Hemmings, Sidney Dawes	34, Beechwood Road, Swansea
3574	Henderson, Hy. Esdon	"Duneira," Dowhills Road, Blundellsands, near Liverpool
2811	Henderson, James	Chief Inspector, Machinery Department, Brisbane, Queensland
3201	Henderson, Joseph	P.O. Box 805, Johannesburg, S. Africa
1495	Henderson, W.	37, Romilly Road, Cardiff
2057	Henderson, Wm. (Engr.-Lieut., R.N.R.)	"Garnock," Dawlish Road, Wallasey, Cheshire
4791	Henderson, Wm. G. N.	Upton House, 64, Stanhope Road, South Shields
2560	Henry, J. W.	8, Llanbleddian Gardens, Cardiff
5510	Herald, Hugh McKay Stewart	2nd Avenue, Wilston, Brisbane, Queensland, Australia
5481	Hern, William	"Eaglehurst," 1361, Stratford Road, Hall Green, Birmingham
2202	Heron, A. C. (Vice-President).	Lloyd's Register of Shipping, 251, George Street, Sydney, N.S.W.

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NO.	NAME.	ADDRESS.
3066	Heron, George	Government Surveyor of Ships Office, Penang, S.S.
4794	Heslop, Francis	61, Bute Street, Cardiff
4440	Hetherington, T.	9, Guildford Street, Sunderland
5451	Hibbert, William Edward	14, Croftdown Road, Highgate, N.W.5.
5165	Hicks, William F.	Finger Post Cottage, Liverpool Road, Aughton, near Ormskirk, Lancs.
3673	Hiddleston, Sam.	<i>c/o</i> A. Besse, Crater, Aden, Arabia
1193	Higgins, A.	21, Orchard Street, Portman Square, W.
1256	Highet, Wm. (Sen. Engr., R.D., R.N.R.)	2, Station Road, Craigendoran, Scotland
3351	Hill, Arthur K.	2, Northland Drive, Scotstoun, Glasgow
3125	Hill, James B.	12, Cranmore Way, Muswell Hill, N.
3504	Hill, Percy J.	19, Russell Avenue, Wood Green, N.22
3268	Hill, Thomas Hy.	14, Percy Street, Ibrox, Glasgow
3103	Hill, Wm. Cowan	Engineers' Institute, Singapore
5212	Hincheliffe, W.	Ellerman Engine Works, Holme Street, Liverpool
2626	Hindman G. H., D.S.C.	<i>c/o</i> Grindley & Co., 54, Parliament Street, S.W.1
1900	Hoar, H. S. (Engr. Lt.-Comdr., R.I.M.) (Engr. Comdr., R.D., C.B.E., R.N.R., ret.)	Chirton, Dudlow Lane, Wavertree, Liverpool
4762	Hoare, Horace J.	70, Old Broad Street, E.C.2
5345	Hobson, William	119, Wilton Road, Southampton
3224	Hodge, John Richard	Pentire Cottage, Lonsdale Road, Dorking, Surrey
4079	Hodge, Levo (Engr. Lt., R.N.)	<i>c/o</i> Messrs. Vickers, Ltd., Barrow- in-Furness
5348	Hodgins, Thomas	Prospect House, Polbathic, Corn- wall
5005	Hodgson, Frederick Charles (Lieut., R.A.N.)	<i>c/o</i> Naval Representative, Australia House, Strand, London, W.C.2.

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4498	Hodgson, W. H.	175, North Road, Wallsend-on-Tyne
4233	Hodson, Fredk. Jas.	2, Bay View, Newhaven, Sussex
4050	†Hogg, Archibald	
2840	Hogg, James	85, Colebrooke Road, St. Michael's, Liverpool
3512	Holland, Jas. E.	51, Malefant Street, Cathays, Cardiff
4452	Hollingsworth, J.	5, Roxburgh Street, Sunderland
3801	Hollingum, J. H.	2, Myrtle Villas, Grays, Essex
2583	Hollins, G. O. (Engr. Lieut. Comdr., D.S.C., R.N., ret.)	7, Pretoria Terrace, St. John's, I. of Man
228	Holman, H. W.	"Furlong," Topsham, Devon
3659	Holmes, C. E.	Superintendent Engineer, Indo-China Steam Navigation Co., Ltd., c/o Messrs. Jardine, Matheson & Co., Ltd., Hongkong
4310	Holmes, Islay	86, Dundrennan Road, Langside, Glasgow
2089	Holt, Chas., D.S.C.	56, Coburg Street, Gateshead
4094	Hooley, Benjamin	Woodbine Villas, 394, High Street, Winsford, Cheshire
5457	Hooper, Harold W.	20, Bromley Road, New Brighton, Cheshire
4413	Horsburgh, W. M.	52, Temple Road, Prenton, Birkenhead
5323	Horsfield, George William	63, Homecroft Road, Sydenham, S.E.26
1803	Horsnell, T.	47, Galveston Rd., East Putney, S.W.
371	Houfe, W. W.	"Dunoolti," Parkfield Road, Worthing W., Sussex
4714	Hough, Edwin R.	6, Lloyd's Avenue, E.C.3.
3077	Houldin, Hiram R.	19, Hurstwood Road, Golders Green, N.
3102	Houston, John	Lloyd's Register of Shipping, Exchange Building, Sprott Road, Ballard Estate, Bombay

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1785	Houston, P. T.	57, Gracechurch Street, E.C.
3272	Houston, Robert	P.O. Box 68, Asiatic S.N. Co., Ltd., Calcutta
3036	Houston, Wm. C.	10, Belgrave Road, Ilford, Essex
2092	Hovenden, F.	"Brissac," Grange Road, Deal
1858	How, H. G.	"Chellowdene," Kingston Road, Romford, Essex
3616	Howard, G. F.	26, Herring Market, Lowestoft
1854	Howe, H. L.	30, Lake House Road, Wanstead, Essex
1283	Howell, W. S.	47, Cowley Road, Ilford, Essex
5379	Howells, Herbert Reid	c/o Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3.
1379	Howie, Jas.	8, Eleanor Road, Stratford, E.15.
2350	Hudson, C. J.	Lloyd's Register of Shipping, Chesapeake and Ohio Railroad, Terminal Building, Newport News, Virginia, U.S.A.
2400	Hudson, Chas.	11, Sydenham Avenue, Sydenham, S.E.26.
1338	Hudson, G. W. (Engr. Rear-Adml., C.B., ret.)	9, Whitwell Road, Southsea, Hants.
2643	Hudson, Henry	30, Conway Road, Southgate, London, N.14
2169	Hughes, Chas. R. (Engr., R.N.R.).	Lloyd's Register of Shipping, Vodickova Ulice, 39 IV., Prague II.
4702	Hughes, Edw. M.	Consulting Engineer, Scottish House, Newcastle, N.S.W., Australia
4694	Hughes, Stanley C.	26, Mycenae Road, Westcombe Park, Blackheath, S.E.3.
1786	Hughes, Thomas	Solway, Buarth Rd., Aberystwyth
2453	Hulbert, Walter	21, Gladstone Avenue, East Ham, E.6.
2992	†Hull, Mark	
4658	Hulme, Percy N.,	8, Clanricarde Gardens, London, W.2.

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NO.	NAME.	ADDRESS.
3534	Humbert, Herbert	12, Stamford Mansions, Oldhill Street, N.16
5263	†Hume, D. W.	
2356	Hume, J. Howden (Vice-President).	195, Scotland Street, Glasgow
3587	Humphreys, H. S. (Engr. Lt.-Comdr., R.N., ret.)	49, Kent Road, Gravesend
3388	†Hunter, Alf. Sam.	
4954	Hunter, Andrew MacFarlane (Engr. Lieut., R.N.R.)	Mines Office, Seremban, Negri Sembilan, F.M.S.
3876	Hunter, Chas. N.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
1596	Hunter, E. L.	1, Sunnyside, West Hill, Gravesend, Kent
4719	Hunter, Fredk. A.	10, Park View Gardens, Hendon, N.W.
2709	Hunter, H. (Engr. Lt.-Comdr., R.N., ret.)	1, Manor Terrace, Tynemouth
5526	Hunter, John A.	Market Place, Inverurie, Aberdeenshire
1800	Hunter, J. Y.	Temora, West Cults, Aberdeen, Scotland
3314	Hunter, Peter	29, Cleveland Avenue, Chiswick, W.4
2879	Hunter, Peter H. (Engr.-Lieut. Comdr., R.N.R.)	"The Anchorage," Millport, Bute-shire
2642	Hunter, Robt.	Messrs. Macdonald & Hunter, P.O. Box No. 54, Princes Building, Hong-Kong, China
2240	Hunter, Summers C.B.E. (Past President).	Northumberland Engine Works Wallsend-on-Tyne
2710	Hunter, Summers, Junr. (Vice-President).	N.E. Marine Engineering Co., Ltd., Wallsend-on-Tyne
3751	Hunter, Wm.	8, Lorne Street, Ibrox, Glasgow
4445	Hunter, Wm. P. (Vice-President)	Robert Gordon's Technical College, Aberdeen

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4656	†Husk, Stanley C.	
5276	Hutcheson, G. M.	Harbour Dept., Bangkok, Siam
4673	†Hutchison, Martin	
1694	Hutchings, Henry	12, Lockyer Street, Plymouth
3764	Hutchinson, George H. M.	27, Park Avenue, Hull
3680	Hutson, Frank E.	72, Broadfield Road, Hither Green, S.E.
3383	Hutton, Joseph V.	H.M. Training Establishment, Shotley, Suffolk
5041	Hutton, Robert	The Moorings, Parkfield Road, Ickenham, Middlesex
1937	Hutton, S.	<i>c/o</i> British India Steam Navigation Co., Bombay
4194	Ibbetson, Willie W. S., B.Sc.	8, Clitheroe Road, Stockwell, S.W.9.
3844	Imrie, Jas. M.	60, Highbury Grove, Highbury, N.5
5127	Imrie, William	"Tassagh," Cranmore Park, Belfast
2070	†Ingersoll, C. T.	
5305	Inglis, John H.	Mines Office, Perak, F.M.S.
2736	Inglis, Peter	2727 Notre Dame East, Maison- neuve, Montreal, Canada
5513	Ingram, Harry J.	<i>c/o</i> Messrs. Alexander Duckham & Co., Ltd., 6, Broad Street Place, E.C.2.
2059	Inman, James	Toureen Terrace, Passage West, Co. Cork, Ireland
3424	Inson, Wm. Henry	104, Merchants Exchange, Docks, Cardiff
4948	Instone, William Cleft	Ash Vale, Surrey
2290	Irving, John	Alclyde, 44, Victory Avenue, Gretna Green, Dumfriesshire
1713	Irwin, E. B., M.B.E.	72, Lower Thames Street, E.C.3
4226	Isaacs, George	18, Phoebeth Street, Brockley S.E.4

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3634	Isaac, Gilbert J.	Board of Trade Surveyor's Office, Cardiff
2205	Isakson, Albert K.N.O., K.V.O.	Lloyd's Register of Shipping, Sur- veyor's Office, Stockholm
4246	Ives, Bernard J.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
5329	Jack, Hamilton P.	Suction Dredger <i>Kalu</i> , Chief En- gineer's Office, B.B.R. Scheme, Old Custom House Yard, Bombay
1918	Jack, Joseph	Villa Estrella, North Avenue, Gos- forth, Newcastle-on-Tyne
4753	Jack, M. McM.	91, Greenock Road, Paisley, Scotland
3776	Jackman, A. B.	Mountain Ash, Wavertree Road, South Woodford, Essex
5205	Jackman, Aubrey Bridge, Junr.	"Glenardran," Crianlarich, Perth- shire, Scotland
3460	Jackman, A. E.	<i>c/o</i> Messrs. Pritchard & Jackman, 90-91, Queen Street, London, E.C.4
2903	Jackson, D. H.	"Fairwarp," Deaconshill Road, Boreham Wood, Elstree, Herts
2536	Jackson, Jas. P.	15, Avenue Van der Neste, Antwerp
5147	Jackson, L. E.	"Fernleigh," Sea View Road, Wallasey, Cheshire
3600	Jacobs, Geo. Jas.	43, Jersey Road, Ilford Lane, Ilford, Essex
4773	Jacobs, Wm. F.	86, Aberdour Road, Goodmayes, Essex
4381	Jacobsen, Robt. H.	353, Allison Street, Crosshill, Glasgow
3187	†Jaggs, Henry G.	
5303	James, Frank S.	85, Church Road, Horfield, Bristol
1687	James, F. W., R.D. (Engr. Lt.-Comdr., R.N.R., ret.) (Vice-President).	<i>c/o</i> Messrs. Butterfield & Swire. Hong-Kong, China
3513	James, Walter G.	22, Sandrock Road, Lewisham, S.E.13

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4346	Jamieson, Alexr. Anderson	China Navigation Co., Ltd., Shanghai, China
3766	Jamieson, A. G. (Engr. Lieut., R.N., ret.)	"Madras," Manor Road, Preston, Paignton, Devon
4432	Jamieson, J. B.	c/o Cochran & Co. (Annan), Ltd., 7c Lower Belgrave Street, S.W.1
2682	Jamieson, John	53, Carolside Avenue, Clarkston, Glasgow
4178	Janes, Geo. A. (Cd. Engr., R.N.,)	Stanley Villa, Winterfield, Paulton, near Bristol
5516	Jaques, Wilfred A.	91, Brownlow Road, Horwich, Lancs.
3624	Jardine, Robt. S.	Mazagon Dock, Bombay
1425	Jarvis, T. H.	Chief Engineer, ss. <i>Mashobra</i> , B.I.S.N. Co., Ltd., Royal Albert Docks, E.
2535	Jeffery, E. J. (Engr. Lieut., R.N., ret.)	35, Derby Road, North End, Portsmouth
5370	Jeffery, Vivian G. T.	Hotel Furstenhof, Bochum, Germany
4240	Jenkin, Kirk A.	62, Inkerman Road, Woolston, Southampton
4074	Jenkins, David	111, Maidstone Road, New Southgate, N.11
4793	Jenkins, Lewis Wilfred	4, Friars Road, Stow Hill, Newport, Mon.
5292	Jennings, W. M.	18, St. Swithins Lane, London, E.C.4.
1977	Jobling, A., F.R.A.S.	25, Blenheim Avenue, Valentines Park, Ilford, Essex
3213	Johns, Thos. J. R.	Marine Surveyor's Office, Chinese Maritime Customs, Dairen, South Manchuria
4818	Johnson, Gerald S.	17, Langdon Park Road, Highgate, N.6.
5019	Johnson, Jeffery Lee	3, Langley Crescent, Wanstead, E.11
5187	Johnson, Lionel S.	10, Gladstone Place, Leith Links, Edinburgh

MEMBERS.

NO.	NAME.	ADDRESS.
4414	Johnson, M. C. H. M. (Engr.-Capt., R.N., ret.)	Waltham House, Garrison Lane, Felixstowe
1463	Johnson, T. Allan, J.P.	"Elton," 37, Tydfil Place, Roath Park, Cardiff
4632	Johnston, William	15, Braemore Road, Seven Kings, Essex
4646	Johnstone, Wm. E.	16, Maple Crescent, Swansea
2203	Jones, Arthur L.	"Rathescar," Greenbank Drive, Sefton Park, Liverpool
2168	Jones, A. P., M.B.E.	8, Rue de la République, Mar- seilles, France
5404	Jones, Eric Silva	63, Norbury Avenue, Thornton Heath
5114	Jones, Evan	35, Northgate Street, Aberystwyth
3514	Jones, Ewart	"The Boltons," 63, Ravensbourne Road, Catford, S.E.
1688	Jones, F. M. (Engr. R.N.R.).	"Oakdale," Carlton Road South, Weymouth
2554	Jones, G. Llovd	Walcot, Station Road, Esher
4210	Jones, Herbert G.	126, Boundaries Road, Balham, S.W.
4508	†Jones, John B.	
4546	Jones, Owen R., (Comdr. Engr., R.N.R.)	22, Alderley Terrace, Holyhead
5398	Jones, Paul C.	c/o S.A. des Huileries du Congo Belge, Kinshasa, Congo Belge, Central Africa
4880	Jones, Richard Fennessy	74, Elm Grove Road, Barnes, S.W.
4799	Jones, Robert	Russell House, 454, Flinders Street, Melbourne, Victoria, Australia
2075	Jones, Thos. G.	1, King Street, Rochester, Kent
2131	Jones, Walter C.	"Hillsview," The Mount, New Malden, Surrey
4158	Jones, Wm. L.	29, Chichele Road, Cricklewood, N.W.

† Address wanted.

MEMBERS.

NO.	NAME	ADDRESS.
2963	Jong, John de	c/o Messrs. Buck and Hickman, Ltd., 2-4, Whitechapel Road, London, E.
2391	Jordan, A. E.	17. Battery Place, New York, U.S.A.
3405	Jordan, Alf. E.	Brunswick House, Redriff Road, Surrey Dock, S.E.16
4235	Jordan, Frank Slater	"Ravensbourne," Perry Vale, Forest Hill, S.E.
5492	Kahrs, Otto	Kronprinsensgate 9, Kristiania, Norway
2499	Kav. Wm. B (Engr.-Lieut., R.N., ret.)	116, Westborough Road, Westcliff-on-Sea, Essex
4800	Kearney, Gregory	54, Montague Road, North End, Portsmouth
3677	Keens, Alberto	144, Sheriff Street, West Hartlepool
5372	Keith, Hugh	Kaimhill, Bridge of Weir, Renfrewshire, Scotland
5037	Keith, John Thomas	7, Foyle Road, Blackheath, S.E.3
5011	Kellett, Wilfrid	5, Sheldon Road, Cricklewood, N.W.2.
2936	Kelly, Cyril	284, Perth Road, Ilford
2013	Kelly, J. R.	"Clypston," Woodburn Road, Douglas, I.O.M.
3226	Kelt, Peter McL. (Engr. Comdr., R.N. R.N.R., ret.)	17, Cavendish Gardens, Ilford, Essex
2289	Kemnal, Sir Jas. (Vice-President)	Kemnal Manor, Chislehurst, Kent
5295	Kennedy, O. D.	40. Melrose Avenue, Norbury, London, S.W.16
5177	Kennedy, R. L.	58, Westoe Parade, South Shields
1234	Kennedy, R. S. (Vice-Chairman of Council).	Glengall Iron Works, Millwall, E.14
4376	Kent, John C. R.	Maggiore, Wenallt Road, Rhiwbina, Cardiff

MEMBERS.

NO.	NAME.	ADDRESS.
3111	Kent, Samuel N.	<i>c/o</i> Prince Line, Furness House, Leadenhall Street, E.C.3.
3325	Kenwright, Geo.	Lochryan, Balgrayhill Road, Glasgow
5496	Kerr, Robert	30, Roman Road, South Shields
2192	Kerr, W.	2, Rue Racine, Nantes, France
4974	Kerr, William	15, Stanley Terrace, Quarry Bay, Hong Kong
5183	Kerr, William	China Navigation Co., <i>c/o</i> Butter- field and Swire, Shanghai, China
4728	Key, John Henry	"Claremont," St. Andrew's Road, Enfield, Middlesex
3834	Kidby, E. W. B. (Major, O.B.E., R.E.)	48, Walters Road, Swansea
2821	Kilpatrick, David	Aberhill, Challis Avenue, Turra- murra, N.S.W.
4095	Kimber, Walter	<i>c/o</i> Lloyd's Register of Shipping, No. 9, Aura, Kaigan-Dori, Naga- saki, Japan
2051	King, B. N.	37, Linwood Road, Bournemouth
3265	King, John F.	Oakdene, Blackrock Road, Cork, Ireland
2548	King, J. Foster	14, Blythswood Square, Glasgow
4351	Kinghorn, John R. C.B.E.	Dunedin, Banchory, Kincardine- shire
2890	Kinghorn, Thos.	<i>c/o</i> Court Line, Leadenhall Street, London, E.C.3
5275	Kinley, John R.	17, Philpot Lane, London, E.C.3
3851	Kinning, A. C. C. R.D.	Kingsley Bank, Raven Meols Lane, Formby, Lancs.
2873	Kinsman, H. C.	<i>c/o</i> Association of Engineers, Singa- pore, S.S.
3197	Kirk, Ernest	Marine Engineers' Institute, Shang- hai
3645	Kirkaldy, Wm. H.	"Melville," Bede Street, Sunder- land
4867	Kirkham, John A.	213, Southcoates Lane, Hull
3527	Kirkham, Samuel	"Kelvinside," Ormskirk Road, Aintree, Liverpool

MEMBERS.

NO.	NAME.	ADDRESS.
4223	Kitching, Geo. W.	1, Lime Street Square, E.C.3
4444	Klee, Fred H. M.	110, Aln Street, Hebburn-on-Tyne
2019	Klugé, Thos. E.	13, Curzon Street, London, W.1
4089	Knight, George	2, Stuart Street, Cardiff
2980	Knight, J. M.	"Craiglyn," Milford Haven
2937	Knox, Harry B.	c/o Mansfield & Co., Ltd., Singapore
4582	Kohno, Tsunehachi	c/o Kawasaki Kisen Kaisha, Ltd., 1, Broadway, New York
5199	Korostovetz, Cyril	118, Beechcroft Road, Wandsworth Common, London, S.W.17
2750	Kverndal, B.	72, Jerningham Road, New Cross, S.E.
3209	Kverndal, Olaf G.	72, Jerningham Road, New Cross, S.E.
2618	† Kyle, A. R. (Engr. Lieut.-Comdr., R.N. ret.)	
5003	Kyle, Haslett Thomas	50, Cambridge Road, Seaforth, Liverpool
2121	Laing, Geo. A.	Lloyd's Register of Shipping, 47, Quai de la Fosse, Nantes
2858	Laird, Roy M.	Messrs. Cammell Laird & Co., Ltd., Birkenhead
2577	Lamb, D. P. (Lt.-Col., I.W.T., R.E.)	Ingleside, London Road, Green- hithe, Kent
4068	Lamb, John	19, Holly Avenue, Whitley Bay, Northumberland
4761	Lambert, Edwin A.	1, Knowsley Road, Bootle, Lancs.
2317	Lambert, John (R.D., Engr. B.N.R.)	Oak Lodge, Addlestone, Surrey
3955	Lambert, Wesley	Whitefriars, 41, Bromley Road, Catford, S.E.
3313	Lambert, Wm. O.	Government Marine Surveyors' Office, Post Office Buildings, Hong-Kong

† Address wanted.

MEMBERS.

NO.	NAME	ADDRESS.
5053	Lamplough, Henry Edward	23, The Avenue, Colchester, Essex
3001	Lander, John	Carbis Bay, Cornwall
1889	Lang, C. R., C.B.E	Mowen, Newlands, Glasgow
275	Lang, John, (Sen. Engr. R.N.R.).	107, Cranbrook Road, Ilford, Essex
3553	Lang, Neil	c/o Douglas S.S. Co., Hong Kong
2041	Lang, W. Veysey	24, Tetherdown, Muswell Hill, N.10
3489	Lannès, P. (Vice-President) (Ingénieur en Chef de la Cie. Gen. Transatlantique).	6, Rue Auber, Paris
2444	Lapper, R. G.	c/o Tug and Lighterage Co., Taku, North China
2445	Lapper, W. J.	Principal Engineer, Marine Depart- ment, Lagos, Nigeria
4124	Lapsley, Claude C.	17, Sandways Road, Wallasey, Cheshire
4927	†Larcombe, Horace Joseph	
2730	Larter, W. Hulbert	23, Shotfield Avenue, S.W.14.
4693	Laslett, Albert E.	Consultative Branch, Board of Trade, 68, Victoria Street, West- minster, S.W.1.
605	Latta, J. G.	“ Auchinfail,” Mauchline, Ayr- shire
4448	†Laurie, Thomas	
3802	Laverick, F. W.	191, Murray Road, South Ealing, W.5.
3151	Law, Edward H.	39, Troutbeck Road, New Cross, London, S.E.14
1367	Law, G. H.	“ Cairngorm,” 85, Parkwood Road, West Southbourne, Bournemouth
2532	Lawrance, A., B.Sc.	Lloyd's Register of Shipping, Piazza Cavour 35, Genoa 7, Italy
3329	Lawrence, H. P.	Fernbank, 390, Wells Road, Bristol
4840	Lawrence, Robert	R.M.M.S. <i>Aorangi</i> , c/o Union Steamship Co. of N.Z., Ltd., Vancouver, B.C.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5135	Lawrenson, R. S.	40/1/A, Free School Street, Calcutta, India
1091	Lawrie, W.	c/o Mrs. Mann, 27, Clarendon Gardens, Ilford, Essex
3327	†Lawson, D. O. (Lieut., R.E., I.W.T.)	
2097	Lawson, James W.	c/o Jardine, Matheson & Co., Hong-Kong
3884	Lawson, Wm.	9, Brougham Street, Edinburgh
3804	Lean, Wm. Geo.	126, The Avenue, Bruce Grove, N.17.
2547	Ledger, A. H.	"Fujiyama," 6, Burges Terrace, Thorpe Bay, Essex
3253	Lee, D. A. Stewart (Member of Council)	498, Romford Road, Forest Gate E.7.
4521	Lee, George William	Wallarrah Coal Co., Ltd., Kembla Buildings, Margaret Street, Sydney, N.S.W.
4817	Leigh, John L. (Engr. Lieut., R.N. ret)	The Retreat, Wilstone, near Tring, Herts.
4263	Le Gall, W. McC.	Ramsden Heath, Billericay, Essex
3280	†Legg, Thomas E.	
4137	Leggett, Walter A.	C.S. <i>Colonia</i> , c/o Telegraph Construction and Maintenance Co., Ltd., 38, Old Broad Street, E.C.
3838	Le Masurier, Major J., C.B.E.	Leinster House, 8, Britannia Road, Westcliff-on-Sea, Essex
3836	Le Mesurier, L. J. (Engr. Lt.-Comdr., S.R. R.N.)	c/o Anglo-Persian Oil Co., Ltd., Britannic House, Finsbury Circus, E.C.2.
5257	Lempriere, W. C.	Shanklin House, Knoll Road, Sidcup
2074	Le Sueur, L.	82, Clyde Road, Addiscombe, Surrey
5142	Lesley, Frank H.	"Ashford," Innerbrook Road, Chelston, Torquay
255	Leslie, J. L. (Vice-President)	40, Methuen Park, Muswell Hill, N.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
7	Leslie, Robert, (Vice-President) O.B.E. (R.N.R.J.)	"Holyrood," Ostend, Burnham-on-Crouch, Essex
3611	Lewis, Jas. W. L.	39, Spenser Street, Victoria Street, S.W.1
3754	†Lewis, John	
4317	Lewis, J. Mansel	58, Fenchurch Street, E.C.3
4076	Lewis, Wm. H.	14, Weston Terrace, West Kilbride, Ayrshire, N.B.
3725	Lewis, Wm.	5, Billiter Street, London, E.C.3
4999	Lewthwaite, James M.	69, Dartmouth Road, Forest Hill, S.E.23.
5307	Liddle, R. Arthur	"Glenalmond," Derby Road, Woodford, E.18
2186	Lightfoot, Jon.	123, Hornby Road, Bootle, Liverpool
5333	Lillie, Brian M.	c/o Association of Marine Engineers, 319, Pender Street West, Vancouver, B.C., Canada
3684	Lindley, Frank R.	17, Dartmouth Street, Westminster, S.W.1.
3186	Lindsay, John	Government Dockyard, Dawbong, Rangoon, Burma
4643	Linn, Duncan C.	Manager, Carnac Works, Messrs. Alcock, Ashdown and Co., Ltd., Bombay
2182	Linn, J. B.	Messrs. Turner, Morrison and Co., 40, Churchgate Street, Bombay
2764	Lisle, T. Orchard	220 West 42 Street, New York City, U.S.A.
2119	Lloyd, R. D.	"Bryn," Purley Rise, Purley, Surrey
3688	Lloyd, Wm. P.	13, South Terrace, Aberystwyth
4476	Loader, Ed. A.	c/o Wilson, Sons & Co., Ltd., Las Palmas, Grand Canary
4469	Lochead, Geo. T.	4, Irvine Terrace, New Ferry, near Birkenhead

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4932	Lockhart, Henry	<i>c/o</i> J. Blackwood and Sons, Engineers' Suppliers, Sussex Street (near Erskine), Sydney, N.S.W., Australia
4577	Lockhart, Wm. A.	"Lyndhurst," 17, Cleveland Road, Crumpsall, Manchester
3393	Lockney, Victor (M.Eng., Engr. Lt., R.N., S.R.)	Lloyd's Register of Shipping, Via della Borsa, 2, Trieste
5152	Lockwood, F. H.	60, Gastien Road, Hammersmith, London, W.6
2768	Logan, Robert L.	18, Norwich Road, Forest Gate, E.7.
4123	Longmuir, Thos. W.	<i>c/o</i> Mrs. Eastaugh, 76, Humber Road, Blackheath, S.E.3.
4434	Longo, Albert S.	66F, Sda Zecca, Valetta, Malta
4559	Longstaff, John	28, Christopher Street, Sunderland
2344	Lougher, A. D. (Engr. Lieut.-Comdr., R.N.)	197, Mackintosh Place, Roath Park, Cardiff
5195	Love, Archibald C.	<i>c/o</i> China Navigation Co., Shanghai
2984	Love, Henry	6, Hoxton Square, Hoxton, London, N.
5264	Love, Thomas M.	<i>c/o</i> China Navigation Co., Shanghai, China
4070	Loveridge, Arthur W., B.Sc.	15, Colum Road, Cardiff
1988	Low, Jas. G.	1B, Grand Parade Mansions, Highgate, N.
4568	Low, James W.	68 Mowbray Road, South Shields
4388	+Low, Peter	
4441	Low, Percy A.	Gorswen, Warlingham, Surrey
4982	Lowdon, Ivor Llewellyn	<i>c/o</i> Hain Steamship Co., Ltd., Victoria Buildings, Bute Docks, Cardiff
3972	Lowdon, Richard	30, Milton Road, Lowestoft
3689	Lowe, Cecil J. M.	Glenfauldt, Craigmore, Rothesay
3492	Lowe, Richard	Engineers' Association, Singapore, S.S.
4091	Lowrie, John C.	18, Vaughan Gardens, Ilford, Essex

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4283	Luff, Fredk. Wm.	Hill Crest Road, Newhaven, Sussex
4891	Luke, John Alfred	12, Oxford Road, Waterloo, Liverpool
4200	Lumsden, Innes G.	May Cottage, Seafield Terrace, Elgin, Scotland.
5254	Lumsdon, W.	"New Barn," Greenhill Road, Allerton, Liverpool
4522	Lund, Bernard W.	118, Orsett Road, Grays, Essex
3921	Lutes, Jas. G.	R.F.D. No. 2—Box 335, San Leandro, California, U.S.A.
1561	Lyddon, R. B.	Pinfield Haven, Barnt Green, near Birmingham
4727	Lythgoe, Walter	158, Park Road North, Birkenhead
5339	McAdam, Robert	3, Hartfield Terrace, Dumbarton
4043	McAffer, Murdoch	27, Kelly Street, Greenock, W., Scotland
1513	McAlister, A. M. (R.N.R.)	8, Glenville Avenue, Giffnock, Glasgow
4953	McAlpine, Archibald	e/o Mrs. Miller, 4, Mearn Street, Greenock
4354	McArthur, George	72, Wanstead Park Avenue, Manor Park, E.
5468	McArthur William	11, Craiglea Place, Morningside, Edinburgh
243	Macartney, Jas.	"The Bungalow," Levey Street, Glenbrook, New South Wales, Australia
5159	McBain, James	828, Oldham Road, Manchester
4386	McBeath, Robt. R.	40, Upton Avenue, Forest Gate, E.7
3535	McCall, Wm. B.	53, Lothian Road, Edinburgh
4814	MacCallum, John	The Bungalow, Garden Reach Park, 61, Garden Reach Road, Calcutta, India
5387	McCann, Albert E.	20, Westbourne Square, London, W.2.
5026	†McCaskie, Charles Stewart	

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5131	MacCaull, James	Chief Engineer, Royal Mail Steam Packet Co., Southampton
4006	McClelland, H. R.	Consulting Marine Surveyor, 286, St. James Street, Montreal, Canada.
4155	†McCombie, John	
3652	McConnell, W. E. (Member of Council)	164, Belgrave Road, Wanstead, E.11
3633	McCririck, Homer	85, Westerton Avenue, By Drum-chapel, Glasgow
3594	McClure, Sam. J.	Portrane, Donabete, Co. Dublin
1721	McCowan, A.	New Zealand Chrs., 483, Collins St., Melbourne, Australia
3867	McDermott, T. H.	"Rowanmore," Edwin Road, Rainham Mark, Kent
720	Macdonald, Alex.	9 & 11, Fenchurch Avenue, London, E.C.3
5182	McDonald, A. N.	21, Sycamore Street, Pembroke Dock, S. Wales
881	Macdonald, Archibald (Engr. Lieut.-Comdr., R.N.R. ret.)	Fosse Cottage, Nailsea, Somerset
4329	Macdonald, Chas.	71, Julian Avenue, South Shields
1948	Macdonald, Duncan	Marine Engineers' Institute, Shanghai
3614	McDonald, Geo. (Commsd. Engr., R.N.)	H.M.S. <i>Sherborne</i> , Portland, Dorset
4928	McDonald, Hugh	86, Marlborough Avenue, Broomhill, Glasgow
5015	McDonald, John	60, Wilmington Gardens, New Barking, Essex
1932	MacDonald, J.	13, Drayton Gardens, Winchmore Hill, N.21.
4141	Macdonald, Norman C.	c/o Commonwealth Navigation Service, Petries Bight, Brisbane, Queensland

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2106	MacDougall, A. G.	"Municipal Bungalow," 58a, River Valley Road, Singapore. S.S.
2338	MacDougall, Colin	Chief Engineer, S.S. <i>Malda</i> , British India S.N. Co., Ltd., 122, Leadenhall Street, E.C.3.
2078	†McDougall, Hugh	
5189	McFall, David	13, Glenshiel Road, Eltham, London, S.E.9
3115	MacFarlane, James	2, Jane Street, Bellahouston, Glasgow
5139	MacFarlane, D.	<i>c/o</i> Union Castle Mail Steamship Co., 3-4, Fenchurch Street, E.C.3
2876	Macfarlane, Wm.	Ascog Ville, Cardross Road, Dumbarton
3061	MacFarquhar, James	54, Ainslie Gardens, Hyndland, Glasgow
2080	MacGibbon, W. C.	3, Lethington Avenue, Langside, Glasgow, S.1.
4792	MacGillivray, Angus	27, The Drive, Purfleet, Essex
5535	MacIntosh, John S.	Chief Engineer, S.S. <i>Diogenes</i> , Aberdeen Line, Royal Albert Dock, London, E.
5042	MacIver, Donald Kenneth	4, Keith Street, Stornaway, N.B.
4222	MacIver, Harry I.	44, Chapel Street, Liverpool
2030	McGavin, J. S. (Vice-President)	<i>c/o</i> Messrs. Butterfield & Swire, Shanghai
3517	McGee, Robt.	74, Hunsdon Road, New Cross, S.E.14.
3565	McGregor, David	35, Mayfield Avenue, Chiswick, W.4
4409	MacGregor, D.	73, Dacre Road, Upton Manor, E.13.
5485	McGregor, James Slater	1, Hatherley Gardens, East Ham, E.6.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3871	MacGregor, James, C.M.G.	<i>c/o</i> Messrs. J. MacGregor and Co., Mansion House Chambers, 11, Queen Victoria Street, E.C.4
2437	McGregor, Robt.	25, Broadway, New York, U.S.A.
5048	McGuinness, Harold Percival	24B, Tongshan Road, Shanghai, China
4573	McGuire, P. Wm.	International Combustion, Ltd., Africa House, Kingsway, W.C.2.
27	McIndewar, A. (R.N.R., Ret.)	13, Holmhead Crescent, Cathcart, Glasgow
3509	McInnes, A. A.	7, Church Street, Kingston, Jamaica
5342	McIntosh, Gordon	Brig-y-don, Carlin How, Yorkshire
4532	McIntyre, Kenneth	<i>c/o</i> Butterfield & Swire, Hong- Kong
2470	McIntyre, W.	Ch. Engr., <i>c/o</i> B.I. Engineers' Club, Box 296, Calcutta
3769	McIvor, W. Tough	311, Cleveland Street, Birkenhead
3169	McKay, David Bain	82, Baltic Street, Montrose, Forfar.
2342	McKay, John	51, Hahnemann Road, Walton. Liverpool
3353	McKay, T. G.	261, Knowsley Road, Bootle. Liver- pool
2522	McKechnie, J. A.	Box No. 694, General Post Office, Durban, Natal, South Africa
5096	McKenzie, J. J.	<i>c/o</i> British Tanker Co., Ltd., Salis- bury House, London Wall, E.C.2
3985	McKeracher, Thos.	4, Mearns Street, Greenock, Scot- land
471	†McKersie, J.	
5394	MacKay, Bruce	12, Rosedale Avenue, Great Crosby, Liverpool
3423	Mackay, John R.	5, Rue des Sculpteurs, Antwerp, Belgium
4738	MacKenzie, A.	<i>c/o</i> Messrs. Butterfield and Swire, Hong Kong, China

† Address wanted.

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MEMBERS.

NO.	NAME.	ADDRESS.
4757	MacKenzie, A. J.	48, Frant Road, Thornton Heath, Surrey
4262	Mackenzie, Wm.	Woodruff, Dover Road, Wanstead, E.12.
1996	Mackie, Jos. S.	c/o Amazon Telegraph Co., Caixa 270, Para, N. Brazil
1531	Mackinlay, Colin	"Lindulu," Machan Road, Larkhall, Lanarkshire
3898	MacKillican, R. H.	Central School of Marine Engineering, 59, Fenchurch Street, E.C.3.
5035	McKinlay, Robert	93, East Claremont Street, Edinburgh
5363	McKinnon, Robert	51, Polwarth Gardens, Hyndland, Glasgow
2303	Mackirdy, John H.	c/o Lloyd's Register of Shipping, Ocean Chambers, Lowgate, Hull
4250	Mackrow, Claude V.	Windsor House (Rooms 182-3), Victoria Street, Westminster, S.W.1
5384	Maclean, Angus W.	112, Barrington Road, Liverpool
1298	Maclean, C. W.	56, Cole Street, Elwood, Victoria Australia
5537	MacLean, Charles Scobie	667, 77th Street, Brooklyn, New York
2054	Maclean, Duncan	9, Fox Street, Greenock, Scotland
4453	McLean, D. L.	105, Rosebery Avenue, Manor Park, E.12
3636	+McLachlan, Alexr.	
1626	McLaren, John (Vice-President)	Consulting Engineer, 71, Leadenhall Street, E.C.3
3912	McLaren, J. F. W.	34, Westover Road, Wandsworth Common, S.W.18
1150	McLaren, W.	6, Marquess Road, Canonbury, N.
4752	McLean, Arnold S.	Casilla 1194, Valparaiso, Chile
3690	McLean, Herbert	Casilla 1194, Valparaiso, Chile
1191	MacLean, T. M.	1, Norwich Road, Forest Gate, E.7
2015	MacLennan, Alexr.	Manager, The Federated Engineering Co., Ltd., Kuala Lumpur, Federated Malay States

† Address wanted.

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MEMBERS.

NO.	NAME.	ADDRESS.
3632	MacLeod, John	17, Galloway Road, Waterloo, Lancs.
2424	MacLeod, John	5, Bayhead Street, Stornoway, Lewis, Scotland
3289	McLeod, Robert J.	Streatly, 39, Madeley Road, Ealing, W.5
4086	MacLeod, W. A.	7, Fairlop Road, Leytonstone, E.11
4075	McLellan, Farquhar M.	28, Woodside Park Road, North Finchley, N.12
2769	McLellan, Thos.	Oakdene, Gordon Road, Finchley, N.3.
5269	McMinniagle, A.	John Crookston & Son, 16-17, Devonshire Square, London, E.C.2
3543	McMurrish, Robt. McG.	Bankend House, Milngavie, Scotland
3849	McNab, Alexr.	McNab Corporation, Bridgeport, Conn., U.S.A.
2330	McNair, F.	25, Harrowby Road, Seaforth, Liverpool
5150	McNaught, John	"St. Johns," Rawson Road, Seaforth, Liverpool
5190	Macnab, A. C.	Surveyor of Ships, Singapore
1593	McNaughton, J.	30, Buckingham Avenue, Sefton Park, Liverpool
4592	MacNeill, Malcolm	"Islay," Chiltern Road, Willoughby, Sydney, N.S.W.
4780	McNeill, M. W. W.	China Navigation Co., Ltd., <i>c/o</i> Butterfield & Swire, Hong Kong
3029	MacNicoll, Donald	<i>c/o</i> Messrs. Cockburns, Ltd., Clydesdale Engineering Works, Cardonald, Glasgow
1934	McNiven, J. L.	"Bellfield," Eddleston, Scotland
1469	MacPhee, Anderson	Andale Engineering Co., 1015, Chestnut Street, Philadelphia, Pa., U.S.A.
4456	†McPherson, R. D.	
4032	McQuaigue, F. E.	77, Harrington Road, S. Norwood, S.E.25

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NO.	NAME.	ADDRESS.
2849	MacTaggart, H. H.	Station Ironworks, Loanhead, Midlothian
2211	McTaminey, Chas. (Engr. Lieut., R.N.R.)	26, Crescent Road, Upton Manor, E.
5259	McWhirter, Joseph	58, Anglesea Road, Shirley, Southampton
4929	Macvey, James	P.O. Box No. 2, Port Said, Egypt
5216	Macaulay, Malcolm J.	Westmost Cottage, Fenton Newmains, Drem, Scotland
4316	Mace, Charles	Chief Engineer's Dept., London County Council, The Old County Hall, Spring Gardens, S.W.1
5092	Machon, Ernest A. S.	3, Middle Avenue, Queen Square, Bristol
4270	Mack, Arthur Basil	<i>c/o</i> P.O. Box 734, Lagos, West Africa
5386	Madden, George A.	51, Winter Road, East Southsea, Hants
2047	Maggs, Chas. J.	<i>c/o</i> Sugar Estates Office, Lot A, Water Street, Georgetown, Demerara
38	Maginnis, A. J.	28, Chapel Street, Liverpool
4166	Maid, Jas. Martin	38, Byne Road, Sydenham, S.E.26.
4446	Main, James	37, Belmont Road, Beckenham, Kent
4733	Main, Thomas P.	Shanghai Gas Co., Ltd., Shanghai, China.
3332	Maitland, P. A.	<i>c/o</i> Messrs. Butterfield & Swire, Shanghai
3078	Maitland, William Albert Hodgson	19, Vicarage Park, Plumstead, S.E.18.
3234	Malcolm, David	2, Lynford Gardens, Seven Kings, Essex
2798	Malcolm, Duncan A.	<i>c/o</i> Neilson and Malcolm, 51, Kitaiskaia, Russian Concession, Hankow
3323	Malet-Warden, Edw. Cecil (Engr. Comdr., R.N.)	<i>c/o</i> London and Provincial Bank, Ltd., Kew Green, London

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NO.	NAME.	ADDRESS.
2297	Mancor, Jas. H.	Lonsdale, Craneswater Park, Southsea, Hants.
4670	Mann, W. J. B.	102, Desborough Road, St. Judes, Plymouth, Devon
3445	Mansfield, Albert	273, North Woolwich Road, Silver- town, E.16.
3444	Mansfield, A. J.	"Stowage House," The Stowage, Deptford, S.E.8
3443 1768	Manson, John L. Manson, P.	58, Joppa Road, Joppa, Edinburgh 68, Lauderdale Gardens, Hyndland, Glasgow
3000	Manson, Robt. F.	11, Walton Avenue, Preston, North Shields
4224	Marriott, Chas. A.	102, Humber Road, Blackheath, S.E.3.
4961	Marsden, Andrew (Engr. Lieut., R.N., att. S.R.)	87, Windmill Street, Gravesend
3428	Marsh, H. Maltby	87, Coventry Road, Ilford. Essex
3434	Marshall, James	105, District Road, Sudbury, Mid- dlesex
2760	Marshall, James S.	Everton, Coleridge Road, Ashford, Middlesex
4211	Marshall, John S. C.	11, South Park Crescent, Ilford, Essex
3333	Marshall, P. McF.	Chief Engineer, S.S. <i>Chungking</i> , China Navigation Co., Ltd., Messrs. Butterfield & Swire, Shanghai, China
3537	Marshall, Septimus, M.B.E.	"Holmside," 8, Kew Gardens, Monkseaton, Northumberland
3649	Marshall, Wm.	Messrs. Ritchie and Bisset, 21 and 23, The Arcade, Singapore
4824	Martin, Charles E.	c/o Eastern Telegraph Co., Ltd., C.S. <i>Lady Pender</i> , Zanzibar, E. Africa
3577	Martin, F. R.	"Woodville," 2, Albert Grove, Gt. Crosby, Lancs.
5059	Martin, Harry Stephen	26, Hopedale Road, Charlton, S.E.7

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NO.	NAME.	ADDRESS.
5434	Martin, Peter	<i>c/o</i> Lyle Shipping Co., Ltd., 124, St. Vincent Street, Glasgow
4763	Martin, John	31, Orchard Street, Renfrew
5409	Martin, R. H.	31, Oxford Avenue, South Shields
5383	Martin, Stanley G.	33, Carlton Mansions, Portsdown Road, Maida Vale, W.9.
4917	Martin, William Hamilton	41, Boundary Road, St. John's Wood, N.W.8.
3202	Martlew, Sidney G.	19, Hide Road, Harrow View, Harrow
3627	Mason, James	B.I. Engineers' Club, P.O. Box 296, Calcutta.
4003	Masonparry, O.	97, Blantyre Road, Liverpool
5389	Masterman, Thomas William Arthur (Lieut. (E.), R.N.)	3, Kedale Road, Seaford, Sussex
473	*Mather, A. H. (Member of Council)	Plainfield, Hadley Road, New Barnet, N.W.
2423	Matheson, A. J.	Lloyd's Register of Shipping, Calle 25 de Mayo 158, Buenos Aires
3953	Matheson, H. C.	<i>c/o</i> Canadian Tugboat Co., Ltd., 1014 Vancouver Block, Van- couver, B.C.
3697	Mathias, John	Myrtle Bank, Crosby Road West, Waterloo, Liverpool
3691	Mathias, Wm. G.	Myrtle Bank, Crosby Road West, Waterloo, Liverpool
3909	†Mathie, Wm., junr.	
4627	Mathieson, John	33, High Street, Forres, Moray- shire, N.B.
3819	Matthew, Alexr. W.	"Brooklyn," Moorland Road, Par, Cornwall
756	Matthew, W.	"Brooklyn," Moorland Road, Par, Cornwall
5505	Matthyssens, Alfred	28, Rue du Musè, Antwerp
3555	Mawson, George	Stafford House, 28, Trinity Road, Birchfields, Birmingham
550	Maxton, J.	49, Victoria Street, Belfast

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† Address wanted.

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5109	Maxwell, William	2, Etherington Road, Beverley Road, Hull
4847	† May, Ernest H.	
3820	Mayfield, Chas. A.	23, Rayleigh Avenue, Westcliff
2981	Mayor, Fred. Jos.	128, Thornbury Road, Osterley Park, Middlesex
2020	Meager, W. M.	Pyne Lodge, Victoria Avenue, Westgate-on-Sea
5393	Mearns, John M.	Indian Wood Products Co., Ltd., Izatnagar, Bareilly, United Provinces, India
4865	Mearns, Stephen Andrews	86, Beach Avenue, Leigh-on-Sea, Essex
3441	Medcalf, Wm. H.	205, Audrey House, Ely Place, E.C.1
2174	Meek, A. Rowland	Temple Bldgs., Bowlalley Lane, Hull
4734	Meek, G. Thomas	22, Studdridge Street, Fulham, S.W.6.
2009	Mellor, Wilfred (Vice-President)	c/o Surveyor General of Ships' Office, Singapore
2929	Melville, Geo. D.	Association of Engineers, Singapore
5145	Melville, Robert	c/o Babcock & Wilcox, Ltd., 10, Clive Street, Calcutta, India
3907	Mennie, Wm. I.	The Mains, Portlethen, Kincardineshire
3803	Merrick, Robt. H. (Engr. Lieut.-Comdr., S.R., R.N.)	11, Highfield Avenue West, College Road, Cork
4153	Merriman, Ernest N.	47, Rullerton Road, Wallasey, Cheshire
1390	Metcalf, C. W.	8, Cliffe Park, Roker, Sunderland
1225	Metcalf, H. E.	c/o Messrs. Babcock and Wilcox, Babcock House, Farringdon Street, E.C.
4183	Micallef, J. M.	c/o Post Office, Gibbs Town, N.J., U.S.A.
5351	Michaelson-Yeates, Thomas Henry	The Homestead, Whiteknowle Road, Buxton

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NO.	NAME.	ADDRESS.
1270	Michie, Jas., C.B.E.	3, Alloa Road, Goodmayes, Essex
4355	Middlemiss, Fredrick	18, Cross Lane, Andover, Hants.
5191	Middleton, D. V.	Kengar Hotel, Kensington Gardens Square, Bayswater, N.2.
5124	†Middleton, Peter	
4907	Miles, Charles John	"Landscape," Goodwick, Pems.
5300	Miles, John Henry	10, Pentre Gardens, Grangetown, Cardiff
5224	Millar, Sidney H.	32, Burford Road, Haldane Road, East Ham, E.6
3825	Millar, Wm. Alf.	123, Second Avenue, Manor Park, E.12
444	Miller, Alexr. M.B.E.	Holly Lodge, Hunter's Quay, Dunoon
3251	Miller, Arthur C.	75, Bothwell Street, Glasgow
4826	Miller, A. J.	c/o Borrows & Miller, Liddell's Building, Taku Road, Tientsin, China
4811	Miller, A. L.	Marine Engineers' Institute, Shanghai, China
1752	Miller, J. F.	c/o Messrs. Bradley & Co., Hong-Kong, China
1852	Miller, Lionel A.	29, Terrace Road, Upton Manor, E.
3092	Miller, Thomas	Lloyd's Register of Shipping, Calle de Ibanez de Bilbao No. 22, 4th Storey (Apartado de Correos, 286), Bilbao, Spain
3156	Milliken, George	168, Longue rue d'Argile, Antwerp
2167	Milton, J. E.	Lloyd's Register of Shipping, Tower Buildings, Liverpool
1976	Milton, J. T., D.Sc. (Past President).	Selgars, Horndean Road, Emsworth, Hants.
3575	Millward, A. E. (Engr. Lieut., R.N., ret.)	238, Laburnum Grove, Portsmouth
5501	Milne, George W.	Westfield, Peterhead, Aberdeenshire

† Address wanted.

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NO.	NAME.	ADDRESS.
5020	Milne, James S.	25, Broadway, New York City, New York, U.S.A.
4501	Minshall, T. H.	34, Victoria Street, S.W.1
4196	Miskin, Geo. S.	<i>c/o</i> Thos. Cook & Son, Ludgate Circus, E.C.4.
4402	Mitchell, Clement	The Halt, St. Mary's Road, Camberley, Surrey
5388	Mitchell, George H.	Sunnycroft, Dinas Powis, Cardiff
2956	Mitchell, John C.	<i>c/o</i> Chandler, Lindsay & Co., 11, 12 & 13, Upper East Smithfield, E.1.
4806	Mitchell, J. E. (Engr. Lieut., R.N.)	"Woodlands," Frogmore Lane, Horndean, near Portsmouth
3756	Mitchell, J. M. (Engr. Lieut.-Comdr., S.R., R.N.)	Messrs. David Brown & Sons, Ltd., Crown House, Aldwych, W.C.2.
5376	Mitchell, Kenneth Alexander	<i>c/o</i> Howrah Jute Mill, Calcutta
5051	Mitchell, Robert	49, Crofton Road, Plaistow, E.13
3780	Mitchell, Wm. R.	The Hollies, Haydon Bridge, Northumberland
2778	Moffat, Alfonso	25, de Mayo 171, Buenos Aires
4516	Moffitt, Robert, B.Sc.	Lloyd's Register of Shipping, Commercial Buildings, Falmouth
4796	Mohn, Trygve	10, Rushford Avenue, Levenshulme, Manchester.
2971	Montgomery, Murdoch T.	High Cottages, Strone, Argyllshire
4072	Moorey, Ernest E.	12. St. Andrew's Road, Gosport, Hants
5542	Mordey, William Mark	<i>c/o</i> Messrs. Rose & Mordey, Baltic House, Cardiff
4771	Morgan, A.	11, Oaklands, Treharris, Glam.
3913	Morgan, David E.	8, Windsor Esplanade, Cardiff
3376	Morgan, Gordon	Leeston, Canterbury, New Zealand
530	Morgan, J. O. (Engr. Lieut. Comdr., R.N.R., ret.) (Vice-President)	Bank Chambers, Sandhill, Newcastle-on-Tyne
2948	Morgan, T. A.	Messrs. Turner, Morrison & Co., Calcutta, India

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NO.	NAME.	ADDRESS.
2965	Morgan, Thos. J.	Norwich Union Society, Ltd., Norwich Union Chambers, 125 St. Vincent Street, Glasgow
4511	Morley, Albert E.	29, Park Lane, Chippenham, Wilts
3438	Morrabee, Wm.	Osbourne, Princes Park Avenue, Golders Green, N.W.11
1438	Morrell, G. E. (Engr. Lieut.-Comdr., R.D., R.N.R., ret.)	Sun Shipping Co., Ltd., 3, St. Helen's Place, E.C.3.
1062	Morris, G. S.	c/o Lyttleton Harbour Board, Lyttleton, New Zealand
3721	Morris, Hubert G.	City of Cork Steam Packet Co., Ltd., Penrose Quay, Cork
2360	Morrison, John M.B.E.	Gorsefield, Peewit Hill, Felixstowe
978	Morrison, R. (Hon. Engr. Comdr., R.N.R.)	Lewis House, Grand Parade, Leigh-on-Sea, Essex
4782	Morrison, T. R. H.	Lloyd's Register of Shipping, Piazza Cavour 35, Genoa, Italy
4111	Morrison, Thos. Scott	P.O. Box 463, Hong Kong
3006	Mortleman, Geo. Wm.	"Shirley," Redbridge Lane, Wanstead, E.
4058	Morton, James	194, Bishopsgate, London, E.C.2.
1462	Morton, John	65, Erpingham Road, Putney, S.W.15
3515	Mowat, Maxwell	Edenbank, 3, Selborne Road, Jordanhill, Glasgow
4657	Mowat, W. A.	Woollen Mills, Petone, New Zealand
4921	de Mowbray, Eric G. B. (Lieut., R.N.)	25, Victoria Street, London, S.W.1
5320	Moyle, Ronald C.	"Hafod," 23, Archers Road, Southampton
5343	Muir, James M.	30, White Street, Partickhill, Glasgow
2293	Mumford, Newman	Ringland Cottage, Deep Cove, Vancouver Island, B.C.
4457	†Mundell, D. Earle	

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NO.	NAME.	ADDRESS.
5466	Munro, Archibald	109, Aldborough Road, Seven Kings, Essex
3897	Munro, Thos. M.	4, Hill Place, Inverness
4527	Murdoch, Ernest (Engr. Lieut., R.N., ret.)	114, Beresford Road, North End, Portsmouth
2832	Murdoch, R. A. (Vice-President)	General Manager, Garden Reach Workshops, <i>c/o</i> Messrs. McNeil & Co., 2, Clive Ghat Street, Calcutta
4787	Murdoch, William	29, Rue des Peintres, Antwerp
2316	Murphy, B. Stewart	Cons. Engineer, 112, Water Street, Boston, Mass, U.S.A.
2738	Murray, Albert W. (Vice President)	246-75th Street, Brooklyn, New York, U.S.A.
5136	Murray, Angus R.	57, Oswald Street, Glasgow, C.1
241	Murray, C. W.	Babcock House, Farringdon Street, E.C.
5213	Murray, Henry C.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3.
3126	Murray, James (Lieut., R.E.)	7, Shrewsbury Road, Wallasey, Cheshire
2468	Murray, John	<i>c/o</i> Messrs. The British Australian Tobacco Co., Stewart Street, Melbourne, Victoria, Australia
2113	Murray, M. M.	<i>c/o</i> Messrs. Butterfield & Swire, Hong Kong
5380	Murray, Walter G.	4, Park Terrace, Maryport, Cumberland
2633	Musselwhite, W. J. (Engr. Lieut.-Comdr., R.N., ret.)	"Castleross," 56, Obelisk Road, Woolston, Southampton
3638	Mutiozabal, Ignacio de	Compania Maritima del Nervion, Gran Via 1, Bilbao, Spain
2496	Myles, David (Major, late Nd. Fus.)	Ellengowan, Preston Park, North Shields
3943	Nairne, David H.	52, Drumoyne Square, Glasgow
3805	Nairn, Matthew	Sunnyside, Bridge of Weir, Renfrew

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NO.	NAME.	ADDRESS.
3152	Napier, Thos. Waring	Lloyd's Register of Shipping, Temple Chambers, 6, Old Post Office Street, Calcutta
4889	Nasmyth, William Alexander	Sea View, Aberdour, Fife, N.B.
2124	Neil, M. D.	Post Office, Carluke, Scotland
5539	Neill, Frederick G.	32, Wessex Gardens, Golders Green, N.W.11.
5454	Neill, Hugh	"The Laurels," Elmfield Grove, Gosforth, Newcastle-on-Tyne
2403	Nelson, C. B.	53, Calle Dasmarinas, Binondo, Manila, P.I.
2053	Nelson, C. C.	c/o Taikoo Docks & Eng. Co., Hong Kong, China
3474	Nelson, George Bennett	2, Cotswold Road, Westcliff-on-Sea
5402	Nelson, Thomas C.	95, Northcote Street, South Shields
3940	Nelson, Wm. L.	8, Selbourne Street, South Shields
3116	Neville, Herbert	c/o J. Stone and Co., Ltd., Oceanic House, Cockspur Street, S.W.1
25	Newall, G. W.	345, Upton Lane, Forest Gate. E.
2612	Newlands, A.	7, Westbank Place, Portobello, Edinburgh
3698	Newrick, Fredk. Arthur	31, Scotland Green Road, Ponders End, Middx.
5118	Newman, Cedric J.	4, Cross Road, Gorleston-on-Sea, Gt. Yarmouth
3617	Newton, Clifford	48, West View, Letchworth, Herts.
4255	Newton, Fredk. J.	3, Dovedale Street, Cadoxton, Barry, Glam.
2964	Newton, Henry E.	1, Jerningham Road, New Cross, S.E.
5106	Nicholas, J. F.	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
2173	Nicholas, W. W.	Trinity House Chambers, Trinity House Lane, Hull
3872	Nicholas, Walter G.	28, Waterloo Road, Waterloo, Liverpool
2757	Nicholls, Frank	86, Stenson Road, Derby

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NO.	NAME.	ADDRESS.
4129	Nicholson, Arthur J.	4, Gardenia Road, Bush Hill Park, Enfield
4789	Nicholson, D. H.	59, Bamborough Terrace, North Shields
3861	Nicholson, E. F. H.	846, Romford-rd., Manor Park, E.12
3448	Nicholson, H. J. (Engr. Lt., S.R., R.N.)	Mount View, North Farm Road, Tunbridge Wells
3896	Nickson, Albert T.	Calle Reconquista, 314, Buenos Aires
3239	Nicol, Alexander	c/o Institute of Engineers and Shipbuilders, Hong Kong
3523	Nicol, E. W. L.	"Peak View," Canobie Road, Honor Oak, S.E.
2471	Nicol, Geo. A.	British Corporation Registry, L. & Y. Rly. Bldgs., Hull
5078	Nicol, J. B.	Messrs. Ross & Nicol, Burntisland, Scotland
2851	Nicol, John (Member of Council)	24, Decoy Avenue, Golders Green, N.W.11.
1686	Nicol, R. D.	Mellwood, Kenwood Road, Sharrow, Sheffield
3904	Nisbet, Robt.	Ravenscraig, Fitzjohn Avenue, High Barnet, Herts.
4212	Niven, Douglas A.	"Roselea," Strathkinness, St. Andrews, Fifeshire
4993	Norledge, Charles Henry	530, Liverpool Street, Leedley, Manchester
4237	Norris, Edw. Gray	c/o Chaddesley, Canford Cliffs, Bournemouth
3069	Norris, Wm. J. K.	15, Seething Lane, E.C.3.
4479	Norris, Fredk. T. (Engr. Lieut., R.N., ret.)	108, London Road, Portsmouth
3774	Norton, E. B. S.	43, Grenville Road, Hornsey Rise, N.19
5294	Norton, Thomas C.	32, Exmouth Street, Birkenhead
5086	Novelli, Marino	Via Mahmoud Pacha El Falaki, 14, Alexandria, Egypt
5543	Nugent, Roger	West Gate, Clonmel, Ireland

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NO.	NAME.	ADDRESS.
2459	Nunn, George H.	Hedjuff, Aden, Arabia
2954	Nye, W. S. H.	Palmwoods," Buderim Mts., Nth Coast Line, Queensland
3902	O'Brien, Denis P.,	Snaefell, Cavendish Park, Rock Ferry, Cheshire
5093	O'Brien, Eugene H. (Comm'd.-Engr., M.B.E., R.N.)	"Thornycroft," West Avenue, Stockton Heath, Warrington, Lancs.
3757	O'Brien, J. Wm. (Comm'd. Engr., R.N.)	21, Blenheim Street, Princes Avenue, Hull
4121	Ogg, Douglas W.	<i>c/o</i> Skefko Ball Bearing Co., Ltd., West Africa House, Kingsway, W.C.2.
3983	Oldershaw, Robt.	27, Lumsden Avenue, Southampton
5281	Oliver, James	183, West Main Street, Armadale, West Lothian, Scotland
2711	O'Neill, Geo. A. (Engr. Lieut.-Comdr., R.N., ret.)	Manager, Oil Fuel Installation, <i>c/o</i> Messrs. Miller & Co., Apartado 12, Las Palmas, Grand Canary
4718	Oram, Percy S.	Hale, Rudgwick, Sussex
4651	Orchard, Ernest	"Grenneth," Kimberley Road, Llanishen, Glam.
4024	Ormiston, George	121, Cranbrook Road, Ilford, Essex
2594	Ormiston, J.	Messrs. Macdonald & Co., York Buildings, Hong Kong
2064	Ormiston, Wm.	121, Cranbrook Road, Ilford, Essex
2881	Ormiston, Henry M.	7, Selborne Road, Ilford, Essex
3300	†Orwin, James F.	
4540	O'Riordan, Geo. F.	Municipal Technical College, Leicester
4203	O'Sullivan, Jas. V.	5, Knockrea Terrace, Blackrock Road, Cork
4488	Oswald, George	<i>c/o</i> Adelaide Steamship Co., Ltd., 101, Leadenhall Street, E.C.3

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2266	Oswald, John H.	7, Cleveland Road, West Hartlepool
3734	†Other, Edward (Engr. Lieut., R.N., ret.)	
5128	Owen, G. H. L.	"Bharata," 57 Cleave Road, Gillingham, Kent
5122	Owen, Griffith	15, Bridgecroft Road, Wallasey, Cheshire
4242	Owen, Samuel	Egremont, Terrace Road, Swansea
2880	Owen, Henry P. (Engr. Comdr., R.N.R., ret.)	41, Arundel Avenue, Sefton Park, Liverpool
4109	Owen, Wm. H.	19, Home Park Road, Wimbledon, S.W.19
3357	Oxford, A. W.	c/o Lloyd's Register of Shipping, Lloyd's Bank Chambers, Middlesbrough
3080	Oxford, Benjamin Geo.	Lloyd's Register of Shipping, 201, Tower Building, Liverpool
3516	Padbury, R. B. P.	The Nook, Northumberland Av., Gidea Park, Essex
5336	Page, Gordon Grant	139, Hainault Road, Leytonstone, E.11.
4118	Palmer, Alexr.	43, Leenwylant Street, Deurne, Antwerp
3713	Palmer, Robt. P.	74, Windsor Road, Forest Gate, E.7.
3857	Palmer, Thomas P.	8, Micheldever Road, Lee, S.E.12.
3962	Parfitt, Hilary R.	Five Bells Inn, Three Colts Street, Limehouse, E.
5069	Park, Henry	12, Albion Terrace, South Shields
1796	Parker, L. A.	King's Building, Connaught Road, Hong Kong, China
4769	Parker, S. L.	12, Bowden Road, Wallasey, Cheshire
4016	Parsell, H. G.	103, Worcester Road, Bootle, Liverpool

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MEMBERS.

NO.	NAME.	ADDRESS.
1236	*Parsons, Hon. Sir C. A., K.C.B. (Past President).	C. A. Parsons & Co., Heaton, New- castle-on-Tyne
3349	Parsons, J	Chinese Government Salt Revenue Dept., Shanghai
1321	Parsons, J. R.	Hoodown, Kingswear, S. Devon
4944	Parsons, Maurice Cyril	204, Jockey Road, Sutton Coldfield, Staffs.
3317	Parsons, Sam. J.	Pen-y-Bryn, Chislehurst Road, Orpington, Kent
5156	Pass, Reginald C.	The Institution of Engineers and Shipbuilders, Hongkong
4677	Paterson, C. R.	Duff Villa, Macduff, Banffshire
5392	Paterson, George	7, Greenwich Road, Cardiff
5326	Paterson, Thomas Garner	Anderson & Ashe, 16, Connaught Road, Central Hongkong, China
5503	Paterson, Thomas Hunter	1, Hunterhill Road, Paisley
3854	Patrick, Wilfred L.	The R.M.S.P. Officers' Club, Southampton
2994	Patterson, Charles	8, Dudley Grove, Leith
2544	Patterson, G. G.	1, Macgregor Road, Shanghai
4318	Patterson, J. W.	371, Alexandra Park Road, Alex- andra Park, N.22.
3536	Payne, Jack	Cockatoo Island, Sydney, N.S.W.
3420	Peacock, Geo. M.	30, Bannercross Road, Ecclesall, Sheffield
2507	Peacock, Jas.	3, Fenchurch Avenue, E.C.3.
3453	Pease, Samuel M.	Timaru, Endbutt Lane, Gt. Crosby, Lancs.
5534	Pearson, Benjamin Harold	4, Cypress Gardens, Blyth, Northumberland
4955	Pearson, William	Hartford Bank, Hartford, Cheshire
3415	Pearson, Wm. H.	6½, Christie Street, Paisley
2933	Peel, Frederick	"Brooklyn," Whalebone Lane, Chadwell Heath, Essex
3526	Peel, David Park	34, Dacre Street, South Shields, Durham

* Life Member.

MEMBERS.

NO.	NAME.	ADDRESS.
2781	Peers, George A.	246 Broad Street, Providence, R.I., U.S.A.
4168	Pendlebury, A.	The New London Electron Works, Ltd., Regents Dock, E.14.
2720	Penfold, D.	S.S. <i>Satanta</i> , c/o The Standard Transportation Co., Room 1470, 26, Broadway, New York, U.S.A.
2028	Penney, C. L., R.D. (Engr. Lt.-Comdr, R.N.R., ret.)	176, Lower Addiscombe Road, East Croydon, Surrey
3160	Pepper, George S.	115, Barking Road, East Ham, E.6.
5112	Percival, William	230, St. James Street, Montreal, Quebec, Canada
2946	Peter, J. F.	20, Kimberley Gardens, Jesmond, Newcastle-on-Tyne
4213	Peters, Chas. P.	Engineer, Port Stanley, Falkland Islands, S. America
5129	Peters, Herbert	Lindum, Greenfield Avenue, Dinas Powis, S. Wales
5240	†Peterson, Severin S.	
3421	Peterson, Jas. Watt	1 & 2, Sandhill, Newcastle-on-Tyne
4481	Petrie, James	167, Great Western Road, Glasgow
4264	Philip, Wm. Jas.	25, Cranbourne Gardens, Upminster, Essex
2787	Phillips, Edward	Jarrah Cottage, Portsmouth Avenue, Thames Ditton
3846	Phillips, Jos. Chas.	21, Torus Road, Stoneycroft, Liverpool.
2823	Phillips, Victor H.	285, Catherine Road, Forest Gate, London, E.7
4881	Pickering, Charles Oswald	2, Harlech Road, Blundellsands, near Liverpool
3025	Pickthall, Frank John	c/o Esplen, Swainston & Wilson, Ltd., Ituzaingo 1467, Montevideo
4963	Pigott, Stephen Joseph	c/o John Brown & Co., Ltd., Clydebank, Glasgow
2166	Pilditch, C. H. L., (Engr. Lieut., O.B.E., R.N.)	111, Avenue des Eglantiers, Anvers, Belgium

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3608 2586	Pile, John B. Pinn, Reginald H.	8, Maughan Terrace, Penarth Messrs. Clarke, Chapman & Co. Ltd., 116, Fenchurch Street, E.C.3
4603 5462	Pinnock, W. T. Platt, Thomas H.	13, Stamford Hill, N.16. 66, Gladeville Road, Aigburth, Liverpool
4562	Plowman, Claude	Wentworth Building, 6, Dalley Street, Sydney, N.S.W.
3133	Plows, George B.	"Avoca," Newquay Road, Catford, S.E.6.
1903 2301 1415	Pollock, Duncan S. †Pollock, John Pollock, W.	27, Albany Road, Manor Park, E. Wybourne Grange, Tunbridge Wells
3784	Poole, Wm.	S.S. <i>Algerian Prince</i> , Prince Line, 4 Shed, 7 Dock, Salford, Man- chester
2137 2024	Polychroniadis, L.S. Porteous, Wm.	88, Fenchurch Street, E.C.3. 5, Ivy Gardens, Crouch End, London, N.8
3598	Porter, John Chas.	<i>c/o</i> Glen Line, Ltd., Billiter Street, E.C.3.
4404	Porterfield, George	Marine Engineers' Institute, 13. Nanking Road, Shanghai, China
2944	Portham, R. S.	Consulting Engineer, 195, Strand. W.C.2
4750	Potts, John W. A.	"Araguaya," Dronsfield Road, Fleetwood
420 3255	Pottie, G. Pout, Clifton (Engr. Lieut., S.R., R.N.)	42, Mansfield Road, Ilford, Essex 36, West Cliff, Whitstable, Kent
1084 4319	Powel, H. Coke Pratt, Arthur W.	1, Vancouver Road, Catford, S.E. 95, Clarendon Road, Putney, S.W.15
2181	Pratt, Herbert J.	"Melrose," Wharf Road, Balmain, Sydney, N.S.W.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2373	Pratt, John	21, Hyde Road, Waterloo, Liverpool
5017	Pratt, Robert	23, Frewett Street, Surrey Hills, Melbourne, Victoria, Australia
721	Pratten, W. J.	Morningside, Derry Volgie Avenue, Belfast
3952	Prendiville, E. A.	7, Grove Place, Penarth, South Wales
4305	Prescott, W. C.	16, Hillgrove Road, Hampstead, N.W.6
3360	Pride, Walter E.	5, Litherland Park, Litherland, Liverpool
3370	Priestley, L. H.	27, Arran Road, Bromley Road, S.E.6
772	Primrose, W. B.	6, Bank Street, Glasgow
3185	Pringle, Thomas Robert	11, Alexandra Place, St. Andrews, Fifeshire
4560	Prince, Alfred J.	15, Rue de Prony, Le Havre, France
5186	Prince, Athol V.	7, Prince Street, Wellington, New Zealand
5442	Prior, John Ewan	22, Alnwick Road, Tyne Dock, Northumberland
2441	Pritchard, R. J.	Messrs. Pritchard & Jackman, 90-91, Queen Street, London, E.C.4
1261	Proctor, W. E.	47, Seaward Avenue, West Southbourne, Bournemouth
3195	Proudman, Septimus S. T.	18, Radnor Place, Birkenhead
2774	Puffett, Harold	Ethelburga House, 91-93 Bishopsgate, E.C.2.
4538	Pughe, Robert L.	c/o Hayward, Tyler & Co., Ltd., 99, Queen Victoria Street, E.C.4
2116	Pull, Ernest (Engr. R.N.R.).	L.C.C. School of Engineering, Poplar, E.
1927	Pullen, G. A.	Empire Works, 58, Harleyford Road, Vauxhall, S.E.11

MEMBERS.

NO.	NAME.	ADDRESS.
1928	Pullen, W. L.	Empire Works, 58, Harleyford Road, Vauxhall, S.E.11
5099	Pulman, T. C.	Messrs. Worthington-Simpson, Ltd., Queen House, Kingsway, London, W.C.2
3518	Purcell, Francis J.	42, Pen-y-dre, Rhiwbina, Cardiff
5390	Purdon, Walter H.	32, Ossian Road, Stroud Green, N.4.
3432	Purves, James	Cottack, Tower Road South, Heshwall, Cheshire
4464	Purves, David A.	Prince's Building, Ice House Street, Hong Kong
3933	Puxley, Wm. H.	15, Wyndcote Road, Mossley Hill, Liverpool
3589	Quelch, Arthur T., B.Sc., C.B.E.	<i>c/o</i> Manganese Bronze and Brass Co., Ltd., St. David's Wharf, Millwall, E.14
3630	†Quine, Herbert L.	
5068	Quine, John Lindsay	69, Tickton Grove, Cottingham Grove, Hull
2314	Rabaey, F. L.	Lloyd's Register of Shipping, Maritime Buildings, 4, Quai Tavernier, Antwerp
3476	Rae, Francis (Engr. Lieut., R.N., ret.)	Board of Trade Office, 79, Mark Lane, E.C.3
4417	Rae, John	"Glencaple," Prenton Lane, Prenton, Cheshire
3350	Rae, Robert	61, Odos Notara, Piræus, Greece
4017	Raffin, Agenor G. E.	<i>c/o</i> W. Street, Esq., 10/2, Marquis Street, Calcutta
3294	Raimes, G. W. B.	29, Alverthorpe Street, South Shields
1766	Rainey, A. G.	3, Honor Oak Road, Honor Oak, S.E.

† Address wanted.

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NO.	NAME.	ADDRESS.
3052	Rainey, Robt. A. (Engr. Lieut., Special Reserve, R.N.).	<i>c/o</i> Griffon Wax Paper Co., Ltd., 63, Dalwood Street, Camberwell, S.E.5
5211	Rainie, Robert	79, St. John's Park, Blackheath, S.E.3
2838	Raitt, A. G.	Supt. Engineer, Shanghai Tug and Lighter Co., Wheelock & Co., Agents, 3, French Bund, Shan- ghai
4067	Ralston, D. G. F.	12, Holland Road, East Ham, E.6.
5525	Ramsay, James	34, Brougham Street, Greenock, N.B.
112	†Ramsay, W. (R.D., Engr. R.N.B.)	
3949	Ramsay, Jas.	29, Fern Grove, Liverpool
3822	Ramsdale, G. H. H.	11, Wells Street, Anlaby Road, Hull
2822	Rangdale, George S.	<i>c/o</i> E. Reader & Sons, Ltd., Phoenix Works, Cremorne Street, Notting- ham
4730	Rankin, David	<i>c/o</i> Marine Dept., Box 574, Dunedin, New Zealand
5080	Rankin, Dugald McQueen	Mazagon Dock, Bombay
3670	Rapley, Chas.	<i>c/o</i> Col. Howie, 85, Malm Lane, Cricklewood, N.W.2.
3874	Ratsey, V. B.	81, Dale Street, Liverpool
4575	Raworth, S. Wm.	215, Stocton Road, West Hartle- pool, Co. Durham
4428	†Reay, Frank C.	
3057	Reay, William H.	62/66, Bedford Street, Belfast.
4082	Rebeck, Fredk. E. J.P. (Vice-President)	Queen's Island, Belfast
1772	Redman, J. H.	18, Brandville Gardens, Cranbrook Road, Barkingside, Ilford
3837	†Redwood, Ebenezer	
2850	Reece, Herbert S.	27/7, Waterloo Street, Calcutta
3358	Reed, George Hoy	<i>c/o</i> 10, Fern Grove, Liverpool

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3203	Reed, Norman H.	98, Newport Road, Cardiff
192	Reed, T. A.	270, Newport Road, Cardiff
4525	Rees, Alfred C. (Engr. Lieut. Comdr., S.R., R.N.)	57, Gracechurch Street, E.C.3
2814	Reid, Alexr. R.	Association of Engineers, Singa- pore
4958	Reid, Alexander Sellar	Park View, Errol, Perthshire
4323	Reid, Francis H., B.Sc.	Mechanical Engineering Dept., Technical College, Sunderland
2835	Reid, John F.	Bogside, Kilsyth, Scotland
3496	Reid, John McL.	10, King's Avenue, Old Trafford, Manchester
4855	Reid, Robert Gower	c/o Messrs. Peter Brotherhood, Ltd., Aldwych House, Aldwych, W.C.2.
2998	Relph, Wm., R.D. (Engr. Comdr., R.N.R. ret.)	33, Moscow Drive, Stoneycroft, Liverpool
2722	Renaut, F. W.	205, Hainault Rd., Leytonstone, N.E.
1464	Rendall, J. G.	42, Chelmsford Road, Leytonstone, E.11
3877	Rennell, Richard I.	c/o The British Oxygen Co., Ltd., Angel Road, Upper Edmonton, N.18.
5473	Rennie, Douglas	c/o Union Castle Co., 3, Fenchurch Street, E.C.3.
3455	Rennie, Ed. Jos.	185, Lisburn Lane, Tue Brook, Liverpool
2566	Renton, Jas.	Trinity House, Tower Hill, E.C.3.
3939	Renton, John	26, Holly Avenue, Whitley Bay, Northumberland
5002	Reynolds, Henry Victor	"Iona," 1, Welbeck Avenue, Southampton
4443	Reynolds, J. Wm.	47, Free School Street, Calcutta, India
2398	Reynolds, S. V.	178, Clement's Road, East Ham, E.6

MEMBERS.

NO.	NAME.	ADDRESS.
2867	Reynolds, W. A.	"Wanstead," Mont Albert Road, Canterbury, Victoria, Australia
3743	Rhodes, Harold P.	48, Melford Road, East Ham, E.6.
4868	Rhodes, James	c/o B.I. Engineers' Club, Exchange Buildings, Calcutta
5285	Rhodes, Robert C.	Whitwood, Bardsea, Ulverston
5236	Rhynas, James A.	"Avoca," De Bohun Avenue, Southgate, N.14
4405	Richards, Percy J.	Livadia, 9, Oak Tree Road, Bitterne Park, Southampton
3781	Richards, Thos. J.	Villa Broadway, Cowbridge, Glam.
5288	Richards, T. J. B.	80, Camberwell New Road, Kennington, S.E.5
4965	Richards, William Davies	33, Beta Street, Roslyn, Dunedin, New Zealand
3429	Richardson, Chas. G. Gordon	13, Manor Lane Terrace, Lee, S.E.13
161	(Engr. Lieut., R.N., ret.) Richardson, Jas. W.	17, Eslington Terrace, Newcastle-on-Tyne
2975	Richardson, John L.	The Avenue, Bishop Lane, Hull
2719	Richardson, O. B.	40, Pitfield Street, London, N.1
1890	Richmond, J. R., C.B.E.	Holm Foundry, Cathcart, Glasgow
2735	(Vice-President) Rickinson, Lewis (Engr. Lieut., S.R., R.N.)	14, Park Avenue, Church End, Finchley, N.
4729	Riddell, Alex. R.	153, Arisaig Drive, Mosspark, Glasgow
2770	Riddell, William G., O.B.E.	Messrs. John Hastie and Co., Greenock
2871	Ridholls, Alfred George	Chief Engineer, Cable Ship <i>Mirror</i> , c/o Eastern Telegraph Co., Ltd., Suez
4692	Ridley, William	3, Marfleet Avenue, Marfleet, Hull
4662	Riley, James	30, Elliott Street, Arbroath, N.B.
3990	Riley, Jas. H.	26, Bolton Road, Pendleton, Manchester
2621	Ritchie, F. G.	27, The Arcade, Singapore, S.S.

MEMBERS.

NO.	NAME.	ADDRESS.
5312	Ritchie, G. D.	Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.3
3055	Ritchie, Jas.	"Glenbrae," Hakin, Milford Haven
3602	Ritchie, Wm.	14, Roundhay Road, Bridlington, E. Yorks.
2585	†Ritson, David (Engr. Lieut. Comdr., R.N., ret.)	2, Ashmore Terrace, Sunderland 71, Preston Street, Govanhill, Glasgow
1399	Ritson, S. McK.	2, Ashmore Terrace, Sunderland
5410	Robb, William A.	71, Preston Street, Govanhill, Glasgow
3994	Robb, W. George	c/o S.A. des Huileries du Congo Belge, Kinshasa, Belgian Congo, Central Africa
5356	Roberts, Daniel R.	Messrs. Ralli Bros., Narayanganj, E. Bengal, India
1581	Roberts, D. K.	47, Mount Stuart Square, Cardiff
2653	Roberts, F. H.	15, Preston Road, Ainsdale, South- port
2027	Roberts, J. E.	14, Fitzharris Avenue, Bourne- mouth
5533	Roberts, John T.	Junior Army & Navy Club, Horse Guards Avenue, Whitehall, S.W.1.
3899	Roberts, Thos.	Llwynderi, Park Drive, Swansea
3856	Roberts, Wilfred	"Havering," Galton Road, Chalk- well Park, Westcliff-on-Sea
3093	Roberts, Wm. Henry	Lloyd's Register of Shipping, Middlesbrough
1885	Robertson, Alfred (Hon. Treasurer)	23, Leadenhall Street, London, E.C.3
1155	Robertson, B. B.	c/o Aberdeen Star Line, Royal Albert Dock, London, E.
3372	Robertson, David	199, Amesbury Avenue, Streatham Hill, S.W.2.
3312	Robertson, D. F. (Vice-President)	7, Minami Yamate, Nagasaki, Japan
4722	Robertson, Edgar J.	5, Clarence Street, Edinburgh

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MEMBERS.

NO.	NAME.	ADDRESS.
1619	Robertson, John	"Anfield," 616, Beverley High Road, Hull
4690	Robertson, John H.	Cromlech, Nairn, Scotland
1201	Robertson, Thos.	205, Newhaven Road, Edinburgh
3181	†Robertson, William	
575	Robertson, W. P. (R.D., Sen. Engr. R.N.R.)	"Maliva Lodge," Wellington Road, Ashford, Middlesex
4545	Robinson, C. F. (Engr. Lieut., R.N., S.R.)	Khedivial Mail Line, Alexandria, Egypt
5243	Robinson, Edward	21 Kelvin Parade, Belfast
2905	Robinson, E. F. B.	5, Dalmorton Road, Wallasey, Cheshire
3493	Robinson, George Howard	13, Salisbury Road, Everton, Liverpool
5369	Robinson, Joseph	43, Westcombe Park Road, Blackheath, S.E.3.
3976	Robinson, J. D. d'Egglesfield	11, Rockland Road, Waterloo, Liverpool
2504	Robinson, Mark	1, Canning St., Waterloo, Liverpool
5479	Robson, Arthur A.	21, Victoria Park Drive South, Whiteinch, Glasgow
4041	Robson, Edw. G.	49, Belgrave Road, Ilford, Essex
4184	Robson, G. Fenwick	45, Becontree Road, Leytonstone, E.11
5249	Robson, John	S.S. <i>Suiyang</i> , China Navigation Co., Ltd., c/o Butterfield and Swire, Hong Kong
3988	Robson, Wm.	227, Woodchurch Road, Prenton, Birkenhead
1458	Robson, W. H.	14, Woodbourne Avenue, Streat- ham, S.W.16
1637	Roffey, Chas. E.	9, Burgh Quay, Dublin
2404	Roger, Geo. W.	c/o A. Robertson, Esq., 23, Leaden- hall Street, E.C.3.
4040	Rogers, Fredk. R.	Holt Technical School, Leighton Road, Birkenhead
2219	Rogers, H. M.	81, Gracechurch Street, E.C.3.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
1701	Rogers, J. J.	Mayville, Upper West Cross Lane, West Cross, Swansea
2941	Rogerson, Peter	6, Pembroke Road, Bootle, Liver- pool
5064	Rollo, William Alexander	36-38, Victoria Street, S.W.1
1951	Roper, G. A.	Heiston Road, Kelvingrove, Bris- bane, Australia
3495	Root, Wm. Jos. (Pilot Officer, R.A.F.)	Works and Buildings Dept., R.A.F., Sarafand, Palestine
4349	Rose, Norman B. S.	58, High Street, Sydenham, S.E.26
3910	Ross, Alexr.	72, Victoria Road, Torry, Aberdeen
2669	Ross, Leo	33, Sholing Road, Itchen, Southampton
3662	Ross, Sidney C.	York House, 5/7, St. Mary Axe, E.C.3.
3709	Ross, Thos. B.	55, Queenswood Road, Forest Hill, S.E.23
4061	Rossignol, Paul	50, Rue du Dock, Havre
3128	Rossolymos, John	86, Leadenhall Street, E.C.3.
1831	Rowe, A. E.	283, Upton Lane, Forest Gate, E.7
2979	Roxburgh, J.	c/o Messrs. Butterfield & Swire, Shanghai, China
3270	Roxburgh, W. L.	South Vale House, Lee Road, Blackheath, S.E.3
1961	Ruck-Keene, H. A. (Vice-President)	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
2714	Rue, Henry	Billiter Buildings, Billiter Street, E.C.3.
2995	Russell, Donald	c/o Eastern Extension, Australasian and China Telegraph Co., Electra House, Moorgate, E.C.2.
3171	Russell, Geo. E.	133, Valley Drive, Harrogate, Yorks
5316	Russell, James S.	c/o Coast Inspector, Custom House, Shanghai
4115	Russell, John	58, Overton Drive, Wanstead, E.
3414	Russell, John B.	Davenham, Mossend, Lanarkshire
5486	Russell, John D.	5, Granville Park, Lewisham

MEMBERS.

NO.	NAME.	ADDRESS.
1870	Russell, Joseph	17, Cheltenham Avenue, Sefton Park, Liverpool
4331	Rutherford, Archibald B.	The R.M.S.P. Co., 18, Moorgate Street, E.C.2
3628	Rutherford, Harold	8 P. & O. Terrace, Mazagon, Bombay
4298	Rutherford, J. M.	C.S. <i>Norseman</i> , Western Telegraph Co., Ltd., Pernambuco, Brazil
2982	Rutherford, J. L., Senr.	19, Claremont Road, Forest Gate, E.7
2857	Rutherford, J. L., Junr.	37, Courtland Avenue, Ilford, Essex
2421	Rutherford, W. G.	Almondbank, Perth, Scotland
33	Ruthven, J. R.	41, Penge Road, Upton Park, E.
1257	Rutter, Ed. W. (R.D., Engr. Comdr., R.N.R., ret.)	31, Earl's Court Square, S.W.5
2414	Rutter, J. E.	7, Searle Terrace, Northam, North Devon
5170	Rutter, W. Irvin	268, Shrewsbury Road, Forest Gate, E.7
4712	Ryan, Bernard J.	Mechita F.C.O., Buenos Aires
2783	Ryan, Joseph S.	Chief Mechanical Engineer, Compania del Gaz, Montevideo, Uruguay, S.A.
5506	Ryland, William H.	58, Sandford Road, Bromley, Kent
2328	Ryrie, Jas.	54, Mayford Road, Wandsworth Common, S.W.12
2234	Sage, Wm. Jas.	2, Fen Court, London, E.C.3
5233	St. Jorre, George de	<i>c/o</i> P. & O. S.N. Co., 122, Leadenhall Street, E.C.3.
2187	Salmon, E. M. (Member of Council)	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.3
2827	Sambidge, James	17, Victoria Street; Westminster, S.W.1
2510	Sampson, Wm.	Brunswick Yard, Surrey Commercial Dock, London, S.E.

MEMBERS.

NO.	NAME.	ADDRESS.
4389	Sams, C. E. R.	Runnymede Lodge, Egham, Surrey
5047	Samut, Edward	Red Ensign Club, Dock Street, E.1
	Julius Emanuel	
4851	Sanders, Frank	70, Longton Grove, Sydenham,
	Arthur Henry	S.E.26
3191	Sangster, Chas.	60, Grove Road, Wanstead, E.
	Cecil	
4960	Sargeant, Aaron	<i>c/o</i> Messrs. A. Sargeant & Co.,
		Ltd., Britannia Iron Works,
		Alice Street, Brisbane
3310	Saunders, Kemp A.	129, Rosendale Road, Dulwich,
		S.E.21
3340	Savage, Herbert J.	"Durham House," Dale Road,
		Purley, Surrey
2222	Saville, D. B. S.,	98, Catford Hill, Catford, S.E.6.
	M.B.E.	
3928	Sayers, Wm.	3, Eastmearn Road, Dulwich,
	Brooks	S.E.21
4097	†Scanes, John Jas.	
4311	Scobie, James	3, Terrace, Ardbeg, Rothesay,
		N.B.
2985	Scott, Arch., junr.	31, Alverstone Road, Egremont,
		Cheshire
5014	Scott, Archibald	Indo-Burma Petroleum Co., Ltd.,
	Hills	Box 132, Rangoon, Burma
1939	Scott, H. P.	14, Bedford Street, Poplar, London,
		E.
5083	Scott, James	39, Boardman Street, Eccles, Lancs.
2731	Scott, John	45, Longreins Road, Barrow-in-
		Furness
4241	†Scott, John McD.	
236	Scott, Robt. A.,	12, St. Helen's Park Crescent,
	D.S.O., R.D.	Southsea, Hants
	(Engr. Comdr., R.N.R., ret)	
4266	Scott, Thos. Fredk.	125, Bayford Road, Littlehampton,
		Sussex
1949	Scott, Thos. J.	"Greenbank," Heysham, More-
		cambe, Lancs.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2226	Scott, Walter	30, Queen's Road, Norwich
4066	Scott, Wm.	"Neva," Poplar Avenue, Great Crosby, Liverpool
737	Scott, Wm.	"Cordemais," Macaulay Road, Upper Caterham, Surrey
4756	Scott, William (Engr. Comdr., R.D., R.N.R., ret.)	17, Milton Road, Waterloo, Liver- pool
1553	Scullard, G. A.	<i>c/o</i> Messrs. Bland & Co., Gibraltar
5311	Scullard, G. T. B.	<i>c/o</i> Messrs. M. H. Bland & Co., Ltd., Gibraltar
282	†Seabrook, A. W.	
1067	Seabrook, J. A., O.B.E., O.C.I.	60B, South Side, Clapham Common, S.W.4.
3639	Seagrave, E. J. D.	Oakhurst, Sunninghill, Berks.
5121	Searle, Hugh	18, Cecil Street, Manselton, Swansea
4152	Seaton, A. E.	Lawn Park, Hemel Hempstead, Herts.
3818	Seaton, Norman, D.S.C.	Marine Superintendent, South Indian Rly. Co., Dhanushkodi, South India
2103	Seaton, W. T.	40, Argyle Road, Ilford, Essex
4861	Sellar, William	5, Sagimor Gardens, Bloomfield, Belfast
2804	Sellex, E. M.	28, Argyle Road, Ilford, Essex
2164	Sellex, J. E.	Lloyd's Register of Shipping, Maritime Buildings, East Dock Street, Dundee
2637	Semple, William	Port Alice, British Columbia
3326	Service, William	Kuching, Sarawak
4648	Setford, Harry	58, South John Street, Liverpool
2163	Shallcross, L. G.	40, Harley Terrace, Gosforth, Newcastle-on-Tyne
386	Shanks, Jas. (Member of Council)	73, Wallwood Road, Leytonstone, E.11.
3715	Shannon, Wm. E.	Power Station, Tuai, Lake Waikaremoana, Wairoa, Hawkes Bay, New Zealand

† Address wanted.

MEMBERS.



NO.	NAME.	ADDRESS.
4598	Shapley, Frank	The Gables, Heyes Lane, Alderley Edge, Cheshire
1499	Sharp, A. E.	P. & O. S. N. Co., 122, Leadenhall Street, E.C.3
5038	Sharp, Charles William	Rajnandgaon, C.P., India
4890	Sharp, George Francis	1, Branfill Road, Upminster, Essex
5028	Sharp, John, M.C.	Government Floating Dock and Workshops, P.O. Box 57, Richmond Street, Port of Spain, Trinidad, B.W.I.
1111	Sharp, W. E.	Riverside, 11, Pencester Road, Dover
3422	Sharp, Wm.	c/o Walker, Sons & Co., Colombo, Ceylon
5463	Shaw, Alexander	S.S. <i>Warla</i> , c/o Mackinnon, Mackenzie & Co., Calcutta
5528	Shaw, Robert E.	Chief Engineer, Douglas Steamship Co., Foochow, China
1643	Shearman, F.	c/o Mountstuart Dry Docks and Shearmans, Ltd., Bute Docks, Cardiff
4823	Sheidow, Joseph J.	10, Engayne Gardens, Upminster, Essex
4772	Shenton, Herbert	34, Selborne Road, Ilford, Essex
5476	Shepherd, Clifford Wythe	66, St. George's Road, Ilford, Essex
2561	Shepherd, Forbes D.	3, Devanha Terrace, Aberdeen
4534	Shepherd, James	112, Alfred Gelder Street, Hull
1867	Sheppard, Fred E.	86, Leadenhall Street, E.C.3.
5531	Shields, Arthur Alfred Groves	91, Sudbourne Road, Brixton Hill, London, S.W.2.
4187	Shields, George	142, Sheringham Avenue, Manor Park, E.12
2224	Shilston, Richard D.	Lloyd's Register of Shipping, Central Buildings, W. Hartlepool

MEMBERS.

NO.	NAME.	ADDRESS.
1207	Shirra, Jas.	Clermistine Avenue, Boundary Street, Roseville, Sydney
10	*Shorey, F. W.	"Bella Vista," 21, Cornwallis Gardens, Hastings, Sussex
5452	Shortridge, Richd.	7, Brunswick Place, Southampton
4410	Shrigley, Tom W.	52, Castelnau, Barnes, S.W.13
2935	Silley, G. F.	c/o Messrs. R. H. Green and Silley Weir, Ltd., Blackwall Yard, London, E.
1437	Silley, J. H., O.B.E. (Vice-President)	Cory Buildings, Fenchurch Street, E.C.3.
3141	Sim, John	c/o Lloyd's Register of Shipping, 5, Higashikonzecho, Dairen, Manchuria
5357	Simpson, Harry	21, Colby Road, Norwood, S.E.9.
5132	Simpson, P. H.	75, Devonshire Avenue, Southsea, Hants
4606	Simpson, Wm.	16, Kremlin Drive, Stoneycroft, Liverpool
4199	Sims, Leslie S.	7, Alconbury Road, Upper Clapton, London, N.
5265	Simson, W. G.	c/o Turner, Morrison & Co., Ltd., P.O. Box 68, Calcutta, India
97	†Sinclair, John (R.N.R., R.D.)	
3054	Sinclair, James	c/o Messrs. Butterfield & Swire, Hong Kong, China
4048	Sinclair, Robert	St. Albans, 160, Upper Newtownards Road, Blfomfield, Belfast
2393	Sinclair, Wm.	Messrs. Wildridge and Sinclair, Alliance Buildings, 97, Pitt Street, Sydney
3210	Sinclair, William	c/o Coast Inspectors' Office, Chinese Maritime Customs Offices, Shanghai
4904	Sinclair, William Winterbottom	271, South Frederick Street, South Shields, Durham
	* Life Member.	† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3384	Singer, Alf. M.	34, Abergeldie Terrace, Aberdeen
4035	Singleton, A. B.	Chief Engineer, Esna Barrage, Upper Egypt
5246	Skellorn, S. F.	<i>c/o</i> Engineering Department, Uni- versity of Capetown, South Africa
4553	Skelton, John (Comm'd. Engr., R.N.)	H.M.S. <i>Godetia</i> , Lowestoft
4591	Skidmore, R. J.	174, Hampden Road, Artarmon, Sydney, N.S.W.
4709	Skinner, John H.	"Glenmore," Westbourne Avenue, Hull
2509	Skipper, C. N.	28, Abbotsford Road, Goodmayes, Essex
2854	Sleight, J. W.	"Homefield," Legsby Avenue, Grimsby
5277	Slingsby, G. A.	73, Lee Street, Hull
338	Sloggett, G.	35, Stacey Road, Cardiff
2018	Smail, David	62, Robertson Street, Glasgow, C.2.
4104	Smail, John F.	Bourne House, Plough Lane, Purley, Surrey
3701	†Smale, Owen G. (Engr. Lt.-Comdr., R.N., ret.)	
1856	Small, George	<i>c/o</i> A.U.S.N. Co., Ltd., Lime Street, Sydney, Australia
2734	Smart, William	Ings Avenue, St. Clair, Dunedin, N.Z.
4252	Smellie, Alexr.	<i>c/o</i> Lloyd's Register of Shipping, 162, Trafford Road, Salford, Man- chester.
4716	Smith, A. J.	51, Old Hall Lane, Rusholme, Manchester
2897	Smith, Arthur C.	Public Baths and Washhouses, Mansfield Street, Shoreditch. E.1
2677	Smith, Aubrey B.	45, Westmoreland Road, Barnes, S.W.13.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4517	Smith, B. D.	33, Cecil Avenue, New Barking
2740	Smith, David	Seacraig House, King Street, Newport-on-Tay
4875	Smith, David	S.S. <i>Kut Wo</i> , c/o Indo-China S.N. Co., Ltd., Shanghai, China
3845	Smith, Fredk. G. B.	Lloyd's Register of Shipping, 201 Tower Building, Liverpool
2334	†Smith, F. W.	
3129	Smith, H. J. L.	"Mostyn," 40, Thornbury Avenue, Southampton
976	Smith, James	36, Ranelagh Gardens, Ilford, Essex
5043	Smith, James	3, Scott Street, Newcastle-on-Tyne
3591	Smith, Jas. Washington	Via Grossue, Carducci No. 13, Genoa
4859	Smith, James F.	16, Chestnut Row, Aberdeen
303	Smith, J. T.	23, Union Street, Greenock
3045	(R.D., Ch. Engr. R.N.R., ret.) Smith, John Troup	24, Bruntsfield Gardens, Edinburgh
4767	Smith, J. Mc. I.	Peacock Pt., Balmain, Sydney, N.S.W.
4312	Smith, Richard W.	668, Old South Head Road, Bondi, Sydney, N.S.W.
1869	Smith, Walter	c/o The Aster Engineering Co. (1913), Ltd., Wembley, Middx.
5231	Smith, William H.	95, Maple Street, Brooklyn, N.Y., U.S.A.
646	Smithson, A. E.	Adelaide Buildings, Docks, Cardiff
3727	†Snell, John	
3362	Snellgrove, Wm. Geo. R.	c/o Barclay, Curle and Co., Whiteinch, Glasgow
1600	Soar, M.	Housley Pk., Chapeltown, Sheffield
2732	Somerscales, A. N.	9, Marlborough Avenue, Hull
2161	Sonne, H. J.	Lloyd's Register of Shipping, Frederiksgade 12 I, Copenhagen
4125	Sorge, L. F. P.	"Aldeby," Harrowdene Road, Wembley, Middlesex

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3572	Sothorn, J. W. M.	59, Bridge Street, Glasgow
4634	Soutar, David B.	63, Central Avenue, Sherwood Rise, Nottingham
2724	Soutar, John	Lawrence Mills, Chackasi P.O., Howrah, Calcutta
3970	Southwell, H. Pen- rith	<i>c/o</i> Lloyd's Register of Shipping, 97-98, Scottish Provident Buildings, Donegal Square West, Belfast
2390	Sowter, A. K.	<i>c/o</i> R. H. Green and Silley Weir, Ltd., Blackwall Yard, London, E.
3522	Spanner, Edw. F.	9, Billiter Square, Billiter Street, E.C.3.
4204	Speck, Geo. L. W.	<i>c/o</i> Rotterdam Dry Dock Co., Billiter House, E.C.3
3720	Speechly, C. C.	"Little Cedar," The Close, Gidea Park, Essex
958	Speedy, W.	8, Sunbury Avenue, East Sheen, S.W.14.
1863	Speirs, Andrew	<i>c/o</i> Messrs. Jardine, Matheson & Co., Shanghai
5483	Spencer, George L.	99, Cowley Road, Ilford, Essex
1829	Spiers, D.	Box 296, B.I. Engineers' Club, Calcutta
4385	Spiers, Henry B. (Vice-President)	Superintendent Engineer, B.I.S.N. Co., Ltd., Bombay
939	Spiers, H. J. (R.D., Ch. Engr. R.N.R., ret.)	Park Gates Hotel, Eastbourne
1819	Spiers, J. H.	<i>c/o</i> Mr. Tough, 7, Clavering Road, Wanstead Park, Manor Park, E.12
5317	Spriddle, W. P. C. (Engr.-Capt., R.N., C.M.G.)	15, Kingswood Villas, Gillingham, Kent
3233	Spurgeon, Jos. Esau	8, Rue Marina, Alexandria, Egypt
2206	Spyer, Arthur	Messrs. Babcock & Wilcox, Bab- cock House, Farringdon Street, E.C.

MEMBERS.

NO.	NAME.	ADDRESS.
2898	Stafford, W. P.	174, Whitehall Road, Gateshead-on-Tyne
1995	Stark, H. R.	9, Clive Street, Calcutta
1107	Stark, J.	13, Princes Gardens, Glasgow
2361	Starkey, A. E. (R.D., Engr. Comdr., R.N.R., Ret.)	Oakdell, Helenslea Avenue, Golders Green, N.W.11
3744	Starnes, Cyril W.	7, Foxbourne Road, Upper Tooting, S.W.17
4674	Stchahovsky, M.	Royal Automobile Club, Pall Mall, S.W.1.
4576	†Stedman, S. F.	
3648	Steele, Jas. E.	38 Jerrold Avenue, Cranbrook Park, Ilford, Essex
4557	Steele, William	41, Granville Road, Stroud Green, N.4
5455	Steer, William H.	Dockmaster's House, Millwall Dock, Pier Head, London, E.14.
4485	Steinheil, Geo. J., Baron	Chief Engineer, Messrs. Sibunion, Ltd., Ul. Fredry 10, Warsaw, Poland
3056	Stent, Horatio Chas.	Wood Lane Villa, London Road, Isleworth, Middlesex
3363	Stephens, A. E. P.	23, Southminster Avenue, Roath, Cardiff
5540	Stephens, Edwin R.	Higheliffe, 120, Swinderby Road, Wembley, Middlesex
1740	Stephens, J. W. T.	200, Victoria Road. Wood Green. N.22
2909	†Stephens, Wm. M.	
4640	Stephenson, B.	12, Sheringham Road, Withington, Manchester
1736	Stevenson, A. M.	c/o Norwich Union Fire Insurance Society, 27, Castle Street, Liverpool
1572	Stevenson, H.	Cardiff Marine Engineering Academy, 45, Stacey Road, Cardiff
3399	Stevenson, J. K. C.	c/o Association of Engineers, Singapore, S.S.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2847	Stewart, A. C.	<i>c/o</i> Asiatic Petroleum Co. (N.C.) Ltd., Hankow, China
3308	Stewart, James	Marine Engineers' Institute, Shang- hai
36	Stewart, Jas.	Park Cottage, Laurencekirk, Kin- cardineshire
2104	Stewart, John (Vice-President)	14, Castle Buildings, West Street, Durban, S.A.
5378	Stewart-Carlisle, Alfred Victor A.	"Tetwood," Douglas Street, Largs, Ayrshire
2955	Stienlet, V. H.	42, Kingswood Avenue, High West Jesmond, Newcastle-on-Tyne
3140	Still, Frank	16, Walpole Road, Boscombe, Hants.
5282	Stinson, Frank	Point House, Rothesay, N.B.
2686	Stirling, A. G.	12, Water Street, Georgetown, Demerara, B.G.
3240	†Stirling, James	
2160	Stoddart, E. J.	"Crescent Tower," Windsor Cres- cent, Whitley Bay, Northumber- land
3324	Stoddart, W.	14, Heidelberg Road, Southsea, Hants.
4164	Stokes, Alexr.	49, Valentine Road, Ilford, Essex
4391	Storey, George	Braeside, Mount Road South, Sun- derland
5192	Storm, Harry	"Highbury," Robin Hood's Bay, Yorks
4084	Storm, Jas.	4, Wyatt Road, Forest Gate, E.7.
4915	Stott, William	57, Rue Victor Drussens, Antwerp
1760	†Stratton, J. M.	
4874	Straughan, John William Stephen- son.	"Broadmayne," Ashley Road, South Shields
4333	Strelley, Alfred C.	48, Church Street, Mazagon, Bombay
3702	Strother, Percy C.	<i>c/o</i> Veale, Chifferiel & Co., Ltd., 35- 37, Cursitor Street, Chancery Lane, E.C.4.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5517	Stuart, Andrew G.	<i>c/o</i> Messrs. Butterfield & Swire, Shanghai
4356	Stuart, Herbert Akroyd	Akroydon, Claremont, Western Australia
1904	Stuart, Thos. R.	22, Beauchamp Road, Forest Gate, E.7.
1824	Stuart, Robt.	Chief Engineer, S.S. <i>Mulbera</i> , <i>c/o</i> B.I.S.N. Co., Royal Albert Docks, E.
3566	Summers, D. T.	21, Boston Road, London, E.6
4899	Sumner, George	13, Woodland Road, Rock Ferry, Cheshire
5461	Sutcliffe, John Carter Malone	115, Manchester Road, Bury, Lancs.
2381	Sutherland, J., O.B.E.	Chief Engineer, M.S. <i>Dollar</i> , <i>c/o</i> Dollar Line, 581, Stewart Buildings, Baltimore, Maryland, U.S.A.
3235	Sutherland, John A.	32, Grosvenor Place, North Shields
2478	Sutherns, H.	66, Glenalla Road, Llanelly
5250	Sutherst, H. L.	<i>c/o</i> Lloyd's Register of Shipping, 342, Argyle Street, Glasgow, C.2.
1868	Sutton, A. L.	3217, 7th Avenue West, Vancouver, B.C.
3612	†Swift, Edw. R.	
3860	Swinson, E. A. S.	<i>c/o</i> Swinson's Engineering Works, Princes Street, Belfast
3364	Sydney, Chas. A.	41, Regina Road, West Ealing, W.13
4135	Sykes, Fredk. C.	Annesley Lodge, Annesley Park, Rathmines, Co. Dublin
4131	Sykes, Jas. Ezra	Kilagoley, <i>c/o</i> Enniscorthy Asylum, Co. Wexford
3671	Tait, Jas. R.	4, St. James' Gardens, Muswell Hill, N.10.

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5151	Taji, Yasushi (Constr. Lt.-Comdr., I.J.N., ret.)	Cory Buildings, 117 Fenchurch Street, London, E.C.3
5262	Takagishi, Otojiro	105, Tennoji Shiidera-cho, Minami- ku, Osaka, Japan
4197	Talbot, Edwin C.	c/o Port Talbot Graving Dock Co., Ltd., Port Talbot, South Wales
5374	Tanner, Francis Alfred George	48, Whitehall Road, Crayford, Kent
2140	Taphouse, Ernest L.	92, Locksley Street, Limehouse, E.14
712	Tatam, F. R.	Inglehurst, Hadley Wood, Barnet, N.W.
3217	Tate, Frank W.	35, Rothbury Terrace, Heaton, Newcastle-on-Tyne
5431	Tate, Thomas G.	"Eskdale," Ferry Street, Hunter's Hill, Sydney, N.S.W.
4406	Taylor, David	18, Glenluce Road, Westcombe Park, Blackheath, S.E.
2749	Taylor, Geo. H.	13-14, Walbrook, London, E.C.
4370	†Taylor, Geo. H.	
14	Taylor, J.	"Janislea," Oxhill Road, Dum- barton
5036	Taylor, James	103, Wilton Avenue, East Ham, London, E.6.
3640	†Taylor, John A.	
2923	Taylor, J. F. (Lieut., R.E.)	T. & G. Buildings, 192, Hereford Street, Christchurch, N.Z.
5201	Taylor, Leonard H.	R.F.A. <i>Ebonol</i> , c/o N.S.O., Ports- mouth
5407	Taylor, William H.	Engineer's Office, Eastern Tele- graph Co., "Electra House," Moorgate, E.C.2.
2462	Teare, Henry	11, Rosebery Avenue, Egremont, Cheshire
4081	†Temple, James	
5447	Tennant, William Whaley	Bull's Metal & Melloid Co., Ltd., Yoker, Glasgow

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4418	Thatcher, T. Wm.	45, Walsall Road, Willenhall, Staffs
2699	Thickins, E. W.	29, London Street, Maindee, Newport, Mon.
4253	Thirkell, Chas. H.	22, Chargot Road, Victoria Park, Cardiff
258	Thom, J. (Vice-President)	51, Charterhouse Street, E.C.1
4098	Thom, John H.	"Craigengower," Hillhead Road, Cardonald, Glasgow
4519	Thomas, A. H.	Carningli, Priory Street, Cardigan
3097	Thomas, Arthur T.	c/o Lloyd's Register of Shipping, Royal Bank Buildings, 28, Constitution Street, Leith
3961	Thomas, Chas. R.	Puerto Galvan, Bahia Blanca, Argentine
4454	Thomas, C. William	c/o Frau Hönscheidt, Hermannshöhe 6, Bochum i/W., Germany
1809	Thomas, Edgar	10, Sixth Avenue, Manor Park, London, E.12.
5033	Thomas, Francis Dudley Rittson	13, Longue Rue d'Argile, Antwerp, Belgium
3919	Thomas, Henry	Liverpool and Glasgow Salvage Association, Underwriters' Rooms, Royal Exchange Buildings, Glasgow
4248	Thomas, I. J.	10, Palace Avenue, Llandaff, Cardiff
2784	Thomas, J. K.	238, Albion Road, Stoke Newington, N.16
4384	Thomas, T. G.	Clarence Chambers, 19, James Street, Bute Docks, Cardiff
1999	†Thomas, W. S.	
4142	Thomas, Wm. G.	60, Oakfield Street, Cardiff.
3366	Thompson, E. G.	Ethelburga House, 91/93, Bishopsgate, E.C.2.
5206	Thompson, Frank	c/o Aiton & Co., Ltd., St. Stephen's House, Westminster, S.W.1

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
4459	Thompson, F. W.	L.C.C. School of Engineering and Navigation, High Street, Poplar, E.14
3182	†Thompson, John A.	
3377	Thompson, John C.	"Sandown," Oakhill Road, Sutton, Surrey
4507	Thompson, J. R.	Reid Street, Hamilton, Bermuda
3951	Thompson, Jos. P.	3, Langside Place, Langside, Glasgow
3338	Thompson, Norman E.	14, Leamington Street, Sunderland
3865	Thompson, W. B.	52, Ardgowan Road, Catford, S.E.6
2952	Thompson, Wm. S. (Vice-President)	147, Arbroath Road, Dundee, Scotland
4798	Thomson, Alex.	"Keirallan," St. Meddans Street, Troon, N.B.
4599	Thomson, Alex.	21, Radnor Avenue, Harrow, Middlesex
2762	Thomson, Edward A.	45, Stanhope Avenue, Church End, Finchley, N.
4506	Thomson, James	c/o C. A. Hutson & Co., Ltd., Ceylon Engineering Works, Colombo, Ceylon
2052	Thomson, James R.	30, St. Georges Road, Golders Green, N.W.11
1578	Thomson, J. Hamilton	Chief Engineer, S.S. <i>Modasa</i> , Messrs. Gray, Dawes & Co., Ltd., Royal Albert Docks, London, E.16
3291	Thomson, James Maitland	45a, Dorset Street, Haulgh, Bolton, Lancs.
1798	Thomson, R. E.	Craigend, Central Park Road, East Malvern, Melbourne, Australia
5290	Thomson, Robert	c/o Standard Oil Co., Shanghai, China
4261	Thomson, Wm.	59, Laburnum Avenue, Wallsend-on-Tyne

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3028	Thorburn, John	87, Central Park Road, East Ham, E.6
3019	Thornton, David L.	Bromley House, Bingley Road, Shipley, Yorks
3257	Thurlow, Alfred L.	1, Fernlea Terrace, Main Road, Harwich
2806	Timpson, A. F. C. (Capt., M.B.E.)	11, Vaughan Gardens, Ilford, Essex
1828	Timpson, F. M. (Chairman of Council).	4, Coventry Road, Ilford, Essex
4567	Tindall, Benjamin	442, King Street, Aberdeen
4869	Tingle, Frank	113, Bulwer Road, Leytonstone, E.11.
3668	Tinsley, Wm.	45, Dumbarton Road, Brixton Hill, S.W.2
3104	Tity, Cawasji Framji	Bottlewalla Villa, Bungalow No. 4, Sleator Road, Grant Road, Bombay
762	Tod, John	Craigleith, Cae-Gwyn Road, Whitchurch, Glam.
2614	Tod. T.	"Hope View," London Road, Northfleet, Kent
4941	Todd, John	34, Forsyth Street, Greenock
3175	Todd, Joseph	153, St. Vincent Street, Glasgow
2988	Toro, Ignacio (Engr. Comdr., C.N.)	Inspector of Machinery, Apostadero Naval, Punta Arenas, Magallanes, Chile
547	Tough, Alex.	7, Clavering Road, Wanstead Park, E.
3150	Townend, Sidney	Lloyd's Register of Shipping, 201, Tower Buildings, Liverpool
3695	Townend, Wilfred T.	c/o Messrs. Hancock & Dykes, Consulting Engineers, 11, Victoria Street, Westminster, S.W.1
3888	Towns, Robt. G.	11, Leckfield Road, East Ham, E.6.
3198	Toyne, G. A. Dryden	c/o Lloyd's Register of Shipping, 20, Canute Road, Southampton
3487	Trail, Alexr. P. Wh. Sc. (Vice-President)	"Fernfield," Victoria Road, Ellesmere Park, Eccles, Lancs.

MEMBERS.

NO.	NAME.	ADDRESS.
4687	Tremain, Wm.	53, Park Grove, Hull
1685	Trigg, F. A.	Geraldton, West Australia
5160	Trimming, Ernest E.	<i>c/o</i> D. M. Wallace & Co., 101, Leadenhall Street, E.C.3.
3544	Truscott, J. Y.	31, Headland Park, Plymouth
2625	Tsutsumi, Masayoshi	26, Nakacho, Ushigome, Tokio
5141	Tuck, Alan	23, Atterly Terrace, Stockton-on- Tees.
1754	Tucker, W. T.	79, Glencairn Drive, Maxwell Park, Glasgow
2517	Turnbull, D.	Superintendent, The Shanghai Dock & Eng. Co., Ltd., Shanghai
5437	Turnbull, George MacLean	82, Fenchurch Street, E.C.3.
2415	Turnbull, Matthew	8, Howard Road, Southampton
5065	Turnbull, Robert Richardson	<i>c/o</i> H. & C. Grayson, Ltd., Royal Liver Building, Liverpool
4449	Turner, Arthur	28, Shrewsbury Terrace, South Shields
3771	Turner, Hugh	37, Kinfauns Road, Goodmayes, Essex
1747	Turner, Jas.	289/293, Victoria Road, Tientsin, China
5319	Turner, William L.	"Cliffe Cottage," East Kent Av., Northfleet, Kent.
3672	Turner, Wm. T.	<i>c/o</i> New York Oil Storage and Transfer Co., Inc., Bayway, New Jersey, U.S.A.
2194	Turpin, James C.	Messrs. Trewent & Proctor, 43 & 44, Billiter Buildings, E.C.3
2451	Twaddle, T. W.	<i>c/o</i> Messrs. Luke, Thomas & Co., 138, Leadenhall Street, E.C.3.
3788	Tweedy, John G.	7, Railway Terrace, Pontardawe, Glam.
3790	Tweedy, Wm. Noel	43, Windsor Terrace, Uplands, Swansea
4873	Tyler, Alfred George	The Hollies, Northway, Kingsbury Garden Village, N.W.10

MEMBERS.

NO.	NAME.	ADDRESS.
156	Tyler, J. J.	12, Wolseley Avenue, Wimbledon Park, S.W.19
4338	Tyreman, Chas. E.	Singapore Harbour Board, Singapore, S.S.
4019	Uenohata, Junichi	<i>c/o</i> N.Y.K., 1, Chome, Yurakucho, Tokio
5194	Uittenbogaart, F W.	417A, Math-laan, Rotterdam
4065	Urquhart, Andrew	Fort Johnston, Nyassaland, S. Africa
5371	Usherwood, Gordon Augustus	<i>c/o</i> 10, Bell Street, Bishop Auckland, Co. Durham
5181	Vanstone, James J.	Government Surveyor of Ships Office, Penang, Straits Settlements
2803	Vaughan, Michael	26, Felbrigge Road, Seven Kings, Essex
5267	Vaux, Geo. C., jun.	Lloyd's Register of Shipping, Ocean Chambers, Lowgate, Hull
3664	Veitch, David S.	3, Firs Street, Falkirk
4180	† Venables, Thos.	194, Westbourne Avenue, Hull
2663	Vickerman, E. G.	<i>c/o</i> Messrs. Elder, Dempster & Co., Ltd., Grand Canary
3276	Vidal, Francisco	98, Harpenden Road, Wanstead, E.12
4160	Vie, Edward	9, Litherland Park, Liverpool
2489	Vine, G. A., R.D.	7, Devonshire Road, Redland, Bristol
2464	(Engr. Comdr., R.N.R., ret.) Vine, Wm. H.	14, Market Square, Waltham Abbey, Essex
5354	Volk, Ernest P.	174, Balfour Road, Ilford, Essex
5079	Vose, Henry James	

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
5100	Waddell, Roy Lisle	Ch. Engineer, M.S. <i>Malabar</i> , Messrs. Burns, Philp & Co., Ltd., Bridge Street, Sydney, N.S.W.
2592	Wadsworth, E. R.	"Roseleigh," Crofts Bank Road, Urmston, Manchester
4258	Walker, Jas. K.	North Pier Villa, Footdee, Aber- deen
1093	Walker, A.	"Netherby," 186, Willesden Lane, Brondesbury, N.W.6
2539	Walker, Alan J.	<i>c/o</i> Vacuum Oil Co., 196, Deans- gate, Manchester
2552	Walker, Chas. A.	55, Deyncourt Gardens, Upminster, Essex
5397	Walker, David	18, Breadalbane Street, Sandyford, Glasgow
3130	Walker, Geo. H.	21, Cotswold Gardens, East Ham, E.6.
2184	Walker, H.	9, Gladstone Terrace, Gateshead- on-Tyne
5301	Walker, Harold Clark	Woodbank, Roby, Lancs.
5302	Walker, Hector D.	Church House, Sandhurst, Kent
2417	Walker, Kennedy	"Lindene," Blake Hall Road, Wanstead, E.11
2845	Walker, Robert J. C.B.E.	Kingsmead, Riding Mill-on-Tyne, Northumberland
2455	Walker, Wm.	Greenbank House, Tiviot Dale, Stockport
4313	Wallace, A. M.	9, Romilly Crescent, Canton, Cardiff
4322	Wallace, James S.	32, Glebe Road, Kilmarnock, Ayrshire
3081	Wallace, John	6, Lloyd's Avenue, London, E.C.3
3676	Wallace, Wm.	Schoolhouse, Livingstone, Mid Calder, Scotland
4083	Wallace, Wm.	28, Royal Terrace, Edinburgh
4554	Wallace, W. Reid	14, Stanhope Gardens, Ilford, Essex
3839	Wallace, Wilson	11, Woodlands Road, Aigburth, Liverpool

MEMBERS.

NO.	NAME.	ADDRESS.
4143	†Wallis, George M., M. I. M. E. (Engr. Lieut., R.N., ret.)	
1779	Wallis, T. Seabrook	"West Lynne," 31, Park Grove, Henleaze, Bristol
4077	Walton, Robt.	16, Blythswood Road, Aigburth, Liverpool
2789	Walton, Wm.	10, Park Hill Road, Shortlands, Kent
4968	Wansey, Denver Wood	"Abingdon," Larkin Street, North Sydney, N.S.W.
2672	Ward, Herbert J.	The Mill House, Farningham, Kent
5172	†Ward, Ivan Selwyn	
2666	Ward, John	Garmoyle, Dumbarton
4699	Ward, J., B.sc.	Long Beech, Canterbury Road, Pinner, Middlesex
4229	Ward, Robt. A.	Works Manager, U.S.S. Co. of New Zealand, Port Chalmers, N.Z.
3541	Ward, Victor E.	Chief Engineer SS. <i>Minnetonka</i> , Atlantic Transport Line, King George V. Dock, E.
2505	Warham, A. E.	"Chronk-Gennal," 35, York Road, Douglas, I. of M.
5444	Warne, Edmund G.	Assistant Editor, "The Motor Ship," 56, Kingsway, London, W.C.2.
3380	Warner, A. K. (Engr. Lieut., R.N., ret.)	1, Kingsley Road, Bedford
3827	Warren, F. J. B.	7, St. Chad's Terrace, Church Road, Tilbury Docks, Essex
3752	Watkins, Wm. P.	54, Roseneath Road, S.W.11
4821	Watson, Alexander	Engineer Superintendent, Prince Rupert Shipyard, Prince Rupert, B.C., Canada
2542	Watson, A. R.	Chief Engineer Surveyor, Naviga- tion Dept., Sydney, N.S.W.
3711	Watson, Gavin	"Oakhurst," 29, University Road, Southampton

† Address wanted.

MEMBERS.

NO.	NAME	ADDRESS.
3173	Watson, James	350, Green Lane, South Park, Ilford
4069	Watson, Kenneth	Messrs. Curchin & Watson, 1, Seething Lane, E.C.3
5324	Watson, Ward D.	20, Montreal Road, Ilford, Essex
3745	Watson, Wm. L.	47, Endsleigh Gardens, Ilford, Essex
3882	Watt, Alexr.	Lloyd's Register of Shipping, Meikai Building, No. 32 Akashi Machi, Kobe, Japan
4327	Watt, Gordon P.	277, Finsbury Pavement House, London, E.C.2
2537	Watts, Frank H.	<i>c/o</i> Norwich Union Fire Insurance Society, Ltd., Exchange Avenue, Corn Street, Bristol
3567	Watty, H. J.	Osmington, 52, Norfolk Road, Southampton
5025	Wearn, Roy	11, Elmside, Onslow Village, Guildford, Surrey
4914	Webb, Albert Charles	Via Ratti 7/5, Savona, Italy
3192	Webb, Fredk. Wm.	98, Connaught Road, Cardiff
4486	Webb, Stanley B.	6, Kinfauns Road, Goodmayes, Essex
2125	Webb, Wm. F.	Messrs. E. D. Sassoon & Co., Sassoon's Building, Dougall Road, Ballard Estate, Bombay
4429	Webster, Alex.	53, Avenue Arthur Goemaere, Antwerp
4950	Webster, Frank Kirkbride	6, Halesworth Road, Lewisham, S.E.13.
3748	Webster, H. J. B.	180, McDonough Street, Brooklyn, New York
1443	Weir, Andrew	Avondale, Aldersbrook Road, Manor Park, E.12
2031	Weir, Archibald	464, Crow Road, Jordanhill, Glasgow
2920	Weir, Peter	<i>c/o</i> Parry and Co., Somalkot, Godaveri District, India

MEMBERS.

NO.	NAME.	ADDRESS.
1888	Lord Weir of Eastwood, P.C. (Past President)	Holm Foundry, Cathcart, Glasgow
1617	Welbury, W.	"Glenroy," Roundhay, Leeds
4173	Welch, J. R. C.	46, Beckett Road, Doncaster
4976	Weller, James (Engr.-Lieut., R.N.R.)	Glentilt, 31, Park Road, Hampton Hill, Middlesex
2578	Wells, G. James (Member of Council)	"Mons Meg," Hall Lane, Upminster, Essex
5497	Whalley, Gilbert	12, Parrs Wood Avenue, Didsbury, Manchester
3288	Wharton, Albert	117, Bedford Road, Rock Ferry, Cheshire
4574	Whayman, W. M., (Vice-President) (Engr. Rear Admiral, C.B., C.B.E.)	65, Tooting Bec Gardens, Streatham, S.W.16.
4284	White, A. Conrad	The Shipyard, Hythe, near Southampton
3878	White, Frank	c/o 6, Brunswick Grove, Hessle, E. Yorks.
2002	White, G. D. S.	"Kinenchar," 11, Park Crescent, Enfield, N.
3656	White, Herbert F.	102, Henderson Road, Forest Gate, E.7
4407	White, S. W.	32, Goodmayes Avenue, Goodmayes, Essex
4706	White, T. A.	137, St. Albans Road, Seven Kings
5515	White, Tom George	30, Colum Road, Cardiff
3250	White, Wm. Albert	White Engineering Works, Prince Consort Road, Hebburn-on-Tyne
2401	White, Wm. A.	"Crabtree," Fulham, S.W.
4470	White, Wm. F.	Hotel Beau Rivage, Laurens, Ramleh, Alexandria
5018	Whitelaw, Alexander Alston	14, Percy Street, Ibrox, Glasgow
5040	Whiteley, Cecil Wilfred	42, Howard Road, Upminster, Essex
3864	Whiteside, Alf. E.	133, Fernhead Road, Maida Hill, W.9

MEMBERS.

NO.	NAME.	ADDRESS.
4361	Whitley, H. P.	17, Baron Road, Penarth, Glam.
5448	Whittle, James	Apia, Western Samoa
3013	Whyatt, Leo. A.	St. Clare, St. George's Avenue, Dovercourt, Essex
4249	†Whyte, Thos. Scott	
4930	Whyte, William	34, Hillersdon Avenue, Barnes, S.W.
5107	Wickett, Thomas C.	Tolcarne, Llandaff Road, Cardiff
4838	Widdas, Stanley Shaw	100, Clive Road, Canton, Cardiff
3216	†Widdrington, S. A.	
4629	Widgery, A. C.	102, Elliscombe Road, Charlton, S.E.7.
2939	Wigley, W. J.	17, Airthrie Road, Goodmayes, Essex
4122	Wildridge, Rich.	76, Pitt Street, Sydney, Australia
3791	Wilkie, Jas. B.,	c/o Mersey Engine Works, Sefton Street, Liverpool
2990	Wilkinson, E. Graham	c/o Jardine, Matheson and Co., Ltd., 8A, Muen Ming Yuen Road, Shanghai
3231	Wilkinson, Robert	Hightown Hotel, Hightown, near Liverpool
5545	Williams, Basil M.	30, Holbrook Avenue, Rugby
1663	Williams, Chas.	2, James Street, Docks, Cardiff
3830	Williams, David K.	"Hylton," 81, Ingleby Road, Ilford, Essex
2771	Williams, George H.	3, Cowper Road, Wimbledon, S.W.19.
2090	Williams, H. A. (R.D.)	Hart Plain House, Waterlooville, Hants
3758	Williams, J. H.	46, Above Bar Street, Southampton
2715	Williams, Jas. H.	c/o Anglo Mexican Petroleum Co., Ltd., 16, Finsbury Circus, E.C.2.
3585	Williams, J. P. M.	Harbour Engineer, Dundalk, Ire- land
3900	Williams, T. E.	17, St. Mary Street, Swansea

† Address wanted.

MEMBERS.

NO.	NAME	ADDRESS.
2058	Williamson, A. S.	Kairaku, Scott Street, Largs, Ayrshire, Scotland
4387	Williamson, G. E.	North London Iron Works, Wenlock Road, City Road, N.1.
2233	Williamson, J. C. G.	Lloyd's Register of Shipping, Calle 25 de Mayo 158, Buenos Aires
528	Williamson, R., J.P., C.B.E. (Vice-President)	Mount Stuart Dry Docks and Shearman's, Ltd., Cardiff
2966	Williamson, Rich.	Shipyards, Workington
3813	Williamson, Stuart T.	P.O. Box 615, Hong Kong
4877	Williamson, William H.	Palm Beach, Calabar, Nigeria
4535	Willis, Charles	19, Bedford Row, W.C.1
4047	Wilson, Alexr. A.	Post Box 296, Calcutta
4541	Wilson, Alex. G.	65, Ludlam Street, Seatoun, Wellington, N.Z.
3246	Wilson, Allan Murray	170, Hope Street, Glasgow
4490	Wilson, Andrew	<i>c/o</i> C. Roland, 9, Amsterdam Street, Antwerp
5293	Wilson, Andrew	31, Darwin Road, Southampton
4916	Wilson, Howard Angus	<i>c/o</i> Anglo-American Oil Co., Ltd., 36, Queen Anne's Gate, S.W.1
2958	Wilson, James	36, Bargery Road, Catford, S.E.6.
899	Wilson, John	116, Albert Road, Ashburn Gate, Gourock
3024	Wilson, John Alexr.	<i>c/o</i> Esplen, Swainston & Wilson, Ltd., Consulting Engineers, 25 de Mayo 489, Buenos Ayres
4392	Wilson, John F.	Mort's Dock & Eng. Co., Balmain, Sydney, N.S.W.
3855	Wilson, John H.	C.E.C.E.I., Box 198, Lourenco Marques, Portuguese East Africa
3657	Wilson, Robt. T.	6, Mornington Avenue, Cranbrook Park, Ilford, Essex
5218	Wilton, Jan Daniel	301, Heemraadssingel, Rotterdam

MEMBERS.

NO.	NAME.	ADDRESS.
5219	Wilton, William	131, Heemraadssingel, Rotterdam
5491	Wiltshire, Ernest Frank	Ports & Lighthouses Administration, Arsenal, Alexandria, Egypt
5367	Wiltshire, Fredk. William	"Dil-Khush," 48, Water Lane, Seven Kings, Essex
2406	Wimshurst, Jas. E.	Cons. Engr., 155, Fenchurch Street, E.C.3.
5408	Windeler, George Edward	4, Devonshire Road, Davenport Park, Stockport, Cheshire
5417	Windrim, Robert	25, Tankerville Street, West Hartlepool
4765	Winter, A. E.	106, Rock Avenue, Gillingham, Kent
3470	Winter, W. E.	13, Pilemarsh, Redfield, Bristol
157	Winterburn, W. G. (Vice-President)	438, Dallas Road, Victoria, B.C.
4903	Winterson, Robert	<i>c/o</i> Indo-China S.N. Company, Shanghai, China
2651	Winton, John	16, Gate Street, Holborn, W.C.
5435	Wolfe, Walter C.	186, Montclair Avenue, N.D.G., Montreal
4923	Wood, Evelyn, B.Sc.	<i>c/o</i> The North Eastern Marine Eng. Co., Ltd., Wallsend-on-Tyne
3016	Wood, Fred.	Ellers Road, Bessacarr, Doncaster, Yorks.
5006	Wood, Gavin John	Asiatic Petroleum S.S. Co., Ltd., Marine Department, P.O. Box No. 22, Singapore, S.S.
4621	†Wood, Geo. A.	
1659	Wood, John	<i>c/o</i> International Cold Storage Co., Ltd., The Docks, Southampton
3597	Wood, James	<i>c/o</i> C. Finch, Esq., Grand Hotel, Cape Town, S.A.
3635	Wood, Lee	<i>c/o</i> Pacific S.N. Co., Water Street, Liverpool
5024	Wood, Thomas	28, Victoria Street, London, S.W.1
2278	Woodeson, W. A.	Linhope, Mitchell Avenue, Jesmond, Newcastle-on-Tyne

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
2209	Woods, Arthur R. T. (Vice-President)	Messrs. Nelson, Ltd., 98, Leadenhall Street, E.C.3
3879	†Woodward, A.	
4221	Woodward, E. W.	161, Hatherley Gardens, East Ham, E.6
5168	Woolnough, Wm. Heslop	15, Victoria Street, Westminster, S.W.1.
1780	Wootton, E. G.	52, Wellesley Road, Ilford, Essex
4505	Worthington, T. S.	40, Hospital Street, Montreal, Quebec, Canada
2996	Wright, Norman L.	2, Hillside Villas, Compton, Plymouth
5441	Wright, Richard Maxwell	36, Victoria Avenue, Newtownards, Co. Down
2562	Wright, T. T.	c/o Messrs. Jardine, Matheson & Co., Hankow, China
3539	Wright, Hugh	35, Stoneville Road, Stoneycroft, Liverpool
5207	Wright, Thomas	26, Kidbrooke Gardens, Blackheath, S.E.3.
5453	Wright, Walter T.	4, Maberly Road, Upper Norwood, S.E.19.
3906	Wylie, James	4, Princess Terrace, Cregagh Road, Belfast
3980	Wylie, W. H.	79, Richmond Road, Ilford, Essex
2479	Wyse, M. N.	Managing Engineer and Agent, Messrs. John Richards & Co., Ltd., Mechanical and Electrical Engineers, Kulangsu, Amoy, South China
2917	Yamada, Shinkichi	39, Hommuracho, Yotsuyaka, Tokio, Japan
4975	Yanagihara, Hiromitsu (Engr. Lieut.-Comdr., I.J.N.)	17, Nichome, Amotecho, Shasakaku, Tokio, Japan
4259	Yeates, Arthur C. (Engr. Lieut. Comdr., S.R., R.N.)	The Premier Gas Engine Co., Ltd., Sandiacre, near Nottingham
5204	Yeates, Reginald T.	Uganda Railway Marine, Kisumu, Kenya Colony, East Africa

† Address wanted.

MEMBERS.

NO.	NAME.	ADDRESS.
3022	Yorke, Walter Macgregor	Chalcot, Llandoff, Glam.
3425	†Youd, Harold S.	
3361	Youldon, F. W.	179, Cambridge Road, Seven Kings, Essex
3447	Young, Andrew	2, Colledge Avenue, Grays, Essex
4962	Young, David Lawrence	324, Rue Notre Dame, St. Boniface, Manitoba, Canada
4938	Young, Horace John, F.I.C.	3, Central Buildings, Westminster, S.W.1.
5289	Young, James	21, Polson Drive, Johnstone, Scotland
1606	Young, John	<i>c/o</i> Barclays Bank, Ltd., Lincoln
3387	Young, L.	No. 6, Lyons Road, Drummoyne, Sydney, N.S.W., Australia
5347	Young, Leslie A.	"Winthorpe," 24, Darwin Road, Southampton
4369	Young, Lionel H. F.	151, Croxted Road, Dulwich, S.E.21.
1326	Younger, A. Scott, B.Sc.	19, St. Vincent Place, Glasgow
2492	Younger, John	B.I.S.N. Co., Ltd., 20, Garden Reach, Calcutta
5081	Younger, John Wishart	At Elmsdorf, Leven, Fife, N.B.
5032	Youngson, Peter, B.Sc.	36, Elm Hall Drive, Mossley Hill, Liverpool
2265	Yuill, M.	Asiatic Petroleum Co., Ltd., P.O. Box 501, Alexandria, Egypt
3440	Yule, Andrew S.	3, Melling Road, Wallasey, Cheshire
2679	Zulver, C.	Villa Deo Date, Broad Walk, Winchmore Hill, N.21

† Address wanted.

COMPANIONS.

NO.	NAME.	ADDRESS.
2559	Abbott, S. H.	Red Hand Corporation, Ltd., 48, Fenchurch Street, E.C.3.
3741	Adamson, Wm.	1, Billiter Avenue, London, E.C.3.
3707	Alexander, Robt.	87, Bishopsgate, London, E.C.2
2597	Bailey, F. J.	48, Fenchurch Street, E.C.3.
3319	Bates, R. F.	Peaks Hill, Purley, Surrey
1919	Beldam, Cyril A.	29, Gracechurch Street, London, E.C.2.
3220	Bennett, John B.	Bank Chambers, Goole, Yorks.
2155	Billington, Charles	Watlands, Longport, Staffs.
5368	Billmeir, Jack A.	2, Stanhope Road, Highgate, N.6.
2221	Brier, Henry	1, Miskin Road, Dartford, Kent
4435	Brown, Archibald G. J.	62, Overton Drive, Wanstead, E.11
4523	Chandler, H. C.	12, Upper East Smithfield, E.1
1472	Clark, Robt.	255, Cromwell Road, S.W.
2469	Colsell, Robt.	4, Lloyd's Avenue, E.C.3
1477	Cory, J.	Mount Stuart House, Cardiff, S. Wales
2943	Cumberland, Elliott	6, Lloyd's Avenue, London, E.C.3
2665	Dampney, John B.	<i>c/o</i> J. Dampney & Co., Ltd., 87, Bishopsgate, London, E.C.2.
4430	Dick, William H.	5, St. Nicholas Buildings, New- castle-on-Tyne
5310	Divoort, René	Antwerp Dry Docks, Heide-Calmp- thout, Antwerp
1351	Dove, E. J., J.P.	5, St. Nicholas Buildings, New- castle-on-Tyne
3654	Earnsby, Albert E.	Mill House, High Easter, near Chelmsford, Essex
5034	Fraser, Kenneth	The Yorkshire Copper Works, Ltd., Leeds

COMPANIONS.

NO.	NAME.	ADDRESS.
4438	Froggett, George	12, Sidney Road, Forest Gate, E.7
3159	Galloway, John G.	4/10, Timber Bush, Leith
2238	Glenwalker, C. S.	14, Caxton House, Westminster, S.W.1.
569	Hay, G., J.P.	Broadway, Stratford, E.15
4028	Heath, Chas. J., F.R.C.S.	34, Devonshire Place, W.1
5198	Henderson, Alger- non C. F.	Cunard Line, Cunard Building, Liverpool
5166	Henderson, Wm.	14, St. Vincent Place, Glasgow
4254	Hennig, Conrad W.	30, Eastbury Road, Kingston-on- Thames
4110	Hoare, Gordon	70, Old Broad Street, E.C.2
1312	*Inchcape, The Rt. Hon. Lord, G.C.M.G. K.C.I.E. (Past President).	122, Leadenhall Street, E.C.3.
5016	Jacobs, Claude Chapman	10, Mark Lane, London, E.C.3
3392	Jacobs, J. H.	10, Mark Lane, London, E.C.3.
4871	Lawson, Alexander Rae	22, Loughborough Park, London, S.W.
2602	Leahy, Fredk. G.	Lascar House, 93, Staines Road, Hounslow, Middlesex
2443	Linley, Joseph A.	"Haslemere," Norfolk Square, Bognor, Sussex
4328	Macdonald, Thomas	71, Julian Avenue, South Shields
3760	MacIntyre, Robt.	51-56, Palmerston House, Bishops- gate, London, E.C.2
5377	Manley, Frederick Capt.	24, Vanbrugh Fields, Blackheath, S.E.3.
4170	Menzies, John	278, Burdett Road, E.14.
4925	Milburn, Alfred	Laura Street, Sunderland

* Life Companion by Election.

COMPANIONS.

NO.	NAME.	ADDRESS.
4463	Moreland, Charles George	21, Victoria Park Road West, Cardiff
4707	Morrison, James N.	18/19, Great St. Helens, E.C.3.
4633	Mulligan, A. de W.	18, Old Buildings, Lincoln's Inn, W.C.2.
3283	Paterson, Andrew H.	53A, Oswald Street, Glasgow
5155	Pearson, Isaac B.	19/21, Rue de la Bienfaisance, Paris (8e)
4558	Peterson, John M.	35, Side, Newcastle-on-Tyne
3759	Pickering, A. H.	29/30, Tower Hill, E.C.3.
4400	Power, Charles L.	66, Avenue Van Put, Antwerp
3850	Powter, Ernest J.	52, Mark Lane, London, E.C.3
2292	Putnam, Thomas, Sir, Kt., J.P. (Vice-President)	Messrs. The Darlington Forge Co., Ltd., Darlington
3466	Richardson, A., Sir, Kt.	"Garshake," Clarence Road, Clapham Park, S.W.4.
4630	Rimer, Arthur L.	Milburn House, Newcastle-on-Tyne
4631	Rimer, William T.	Milburn House, Newcastle-on-Tyne
2066	Ross, Arthur, F.I.C., F.C.S.	<i>c/o</i> Messrs. A. Ross, Hotchkiss & Co., Ltd., 1, Glengall Road, Old Kent Road, S.E.15.
2802	Ross, Harold A.	<i>c/o</i> Messrs. Arthur Ross, Hotchkiss & Co., Ltd., 1, Glengall Road, Old Kent Road, S.E.15
4342	Ross, Victor	<i>c/o</i> Messrs. Arthur Ross, Hotchkiss & Co., Ltd., 1, Glengall Road, Old Kent Road, S.E.15
4466	Scott, Henry G.	8, Cecil Avenue, Barking, Essex
2818	Selley, Sidney V.	3, Billiter Avenue, E.C.3.
4933	Smith, David	67, The Drive, Ilford, Essex
3842	Stanfield, Albert G.	52, Mark Lane, London, E.C.3
5133	Stenhouse, Joseph Russell (Capt., R.N.R., D.S.O., O.B.E.)	Colonial Office, Downing Street, S.W.

COMPANIONS.

NO.	NAME.	ADDRESS.
5449 2565	Stevenson, William Strong, W. T.	Cunard Building, Liverpool St. Benè Chambers, 1A, Fenchurch Street, E.C.3
2193	Sumner, Leonard	Butt Hill, Prestwich, nr. Man- chester
3136	Tait, John	Harrington Street, Port Chalmers, N.Z.
3435 4269 2553	Temple, George Tanfield, Ernest W. Thatcher, T. H.	33, Salisbury Avenue, Goole 10, Great St. Helens, E.C.3. Messrs. The Atlas Preservative Co., Ltd., Windmill Lane Wharf, Deptford, S.E.
2250	Tomlinson, F.	Messrs. The Broughton Copper Co., Ltd., Manchester
3178	†Turner, Herbert J.	
3903 5536	Walker, Gerard F. Watson, William Edward	79, Mark Lane, E.C.3. 100, Grange Drive, Winchmore Hill, N.21.
1733	Weir, John	281, Victoria Dock Road, Custom House, E.
5108 3726 1678	Werts, Edmond Whitworth, Frank Wooding, P. E.	19/21, Rue du Bresil, Antwerp 37, Seagry Road, Wanstead, E.11 "Woodleigh," Browning Avenue, Boscombe, Hants.
4055	Wright, Edward G.	34, Thornton Avenue, Chiswick, W.4

† Address wanted.

*ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
5352	Adamson, Robert Selby	16, Trevor Terrace, South Shields
4188	Allison, Norman	11, Kensington Terrace, Sunderland
3030	Anderson, F. D.	8, York Avenue, Jordanhill, Glasgow
3162	Armitage, Edw. Akrill	58, Amphthill Road, Aigburth, Liverpool
4901	Arnold, William Henry	The Croft, 39, Cole Park Road, Twickenham, Middlesex
2596	Ayre, George	Withencot, Tavistock Road, Laindon, Essex
3345	Baguley, G. K.	15, Clarkson Street, Ipswich
4126	Bailey, Clifford Henry	74, Grange Park Road, Leyton, E.11
4837	Baird, Alexander	58, Derby Street, Barrow-in-Furness
4672	Baker, N. W.	Beehive Works, Retford, Notts.
2718	Barry, T. C.	21, Wanlip Road, Plaistow, E.13
4145	†Battson, T. Chas.	
5245	Bayliss, Arthur	83, Onslow Road, Sheffield
4715	Beattie, Samuel S.	107, Old Road West, Gravesend, Kent
4870	Bedford, Howard Edwin	c/o The Pyrene Co., Ltd., 9, Grosvenor Gardens, S.W.1
4288	Beeson, D. W.	c/o The Lisbon Coal & Oil Fuel Co., Ltd. (Shell) (Belem Installation), Rua do Crucifixo 49, Lisbon, Portugal
4695	Belchamber, L. B.	Marine Dept., Eastern Telegraph Co., Electra House, Moorgate, E.C.2.
5001	Bessemer, Frederick Leslie	Charlton, Craguish Avenue, London, S.W.16.
5073	Blackburn, Arthur Leslie	“Blundellsands,” Grand Drive, Leigh-on-Sea, Essex

* Several in this List are due for promotion and ought to make application for transfer.

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4472	Bond, Robert J.	The Nook, Medina Road, Grays, Essex
5116	Bone, Archie C.	43, Nelson Street, Largs, Scotland
5495	Bone, Thomas W.	Jackson Street, Seaton, near Workington, Cumberland
3479	Booker, Harry	25, Richmond Road, Twickenham
4864	Booth, Lionel (Lieut., R.A.F.) William	Brook Road, Cheadle, Cheshire
5401	Boyd, William J. (Comm'd.-Engr., R.N., ret.)	27, Roke Gardens, Purley, Surrey
2098	Bradshaw, G. A.	20, Kildowan Road, Goodmayes, Essex
4813	Brain, Herbert J.	499, Barking Road, East Ham, E.6.
2069	Bray, P. R. (R.E.)	Mines Department, Tarquah, Gold Coast, W. Africa
1327	Broadbent, D. R.	c/o The Librarian, Royal Societies' Club, St. James' Street, S.W.
4886	Broadfoot, John R.	c/o The Beira Boating Co., Ltd., Beira, Portuguese East Africa
4967	Brodie, Douglas	119, Glenelden Road, Streatham, S.W.16
1943	Bugg, E. A.	82, Earlshall Road, Eltham, S.E.9.
4020	Burgess, Alexr. D.	c/o Liptak Furnace Arches, Ltd., 38, Victoria Street, S.W.1.
4543	Butterworth, John	4 Ferndale Road, Waterloo, Liverpool,
3580	Carmichael, John (junr.)	7, Monroe Road, Jordanhill, Glasgow
5291	Carter, Thomas W.	101, Russell Avenue, Wood Green, London, N.22.
5353	Caswell, William Henry	33, Tollerton Road, West Derby, Liverpool
3545	Catterall, Wm.	2, Dolland Street, Blackley, Manchester
5334	Chant, John	258, Beaumont Road, Plymouth
3035	Chick, Thomas W.	Verena, New Road, Westham, Weymouth

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
3920	Cleveland, E. G.	26, Lyon Park Avenue, Wembley, Middlesex
4552	Cluett, Alfred B. (Warrant Engineer, R.N.)	40, Sydney Road, Gosport, Hants.
5413	Cockings, George	Weston Farm Training School, Mooi River, Natal, S. Africa
2126	Cole, Fred J.	31, Cranbury Road, Eastleigh, Hants.
5215	Cole, Thomas E.	"Rhydowen," 36, Park Street, Pembroke Dock
4531	Collins, Walter J. S.	23, Park Place, East Greenwich, S.E.10.
4138	Conway, Regd. J.	Clovelly, Ashburnham Avenue, Harrow
5082	Coupland, John Campbell	479, Old Shettleston Road, Shettleston, Glasgow
4882	Davies, Benjamin Arnold	3rd Engineer, <i>c/o</i> Messrs. Butterfield & Swire, Shanghai
5232	Davis, Archibald A.	<i>c/o</i> The Abbey Dairy, Lower Boro' Walls, Bath
1797	Day, H. F. L.	The Northam Ironworks, Southampton, Hants
4207	Drewett, C. J. P.	<i>c/o</i> Wairarapa Power Board, Carterton, Wellington, New Zealand
5223	Dyson, Kenneth John Hopkins	Steven's Hall, Mazagon, Bombay, India
5458	Eckford, Thomas Elliott	8, Dean Terrace, Edinburgh
4547	Elliott, Archibald	48, Marlboro' Flats, Walton Street, Chelsea, S.W.3
4280	Ellson, Joseph	72, Westbourne Road, Ipswich, Suffolk
5532	English, Thomas C.	70, Rugby Road, Belfast

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4832	Estur, Herman	35, Bloemenlei, Oude-God, Antwerp
5104	Ewing, Peter	429, Great Western Road, Glasgow
5046	Farnworth, Frank Augustus	1, Well Street, Blackburn
4340	Fennings, Albert Edward	China Navigation Co., Shanghai
5512	Filby, Reginald W.	26, West Street, Sittingbourne, Kent
5498	Fleming, Angus C.	14, Elder Avenue, Crouch End, N.8.
4755	Flood, Stanley H.	3, Oakdale Road, Herne Bay, Kent
5225	Florence, Arthur P.	20, Newman Street, Oxford Street, W.1.
4345	Fogarty, Stuart R.	Belvedere House, Fontley, Fare- ham, Hants
2878	Friedenthal, R.	Torbay, Chicago Avenue, Gilling- ham, Kent
3483	Gaydon, E. P.	110, Chatsworth Street, Barrow-in- Furness
4717	Gill, William (Flying Officer (Technical), R.A.F.)	Sunningdale, Park Avenue, Canter- bury Road, Birchington-on-Sea, Kent
5097	Golder, William H.	50, Epsom Road, Waddon, Surrey
4504	Goode, Herbert	288, Burdett Road, E.14
4087	Gordon, Russell	7, Holmewood Gardens, Brixton Hill, S.W.2
3716	Grant, William C.	82/84, High Road, Woodford Bridge, E.18.
5084	Grassick, William	Mayfield Tillyoch, P. Culter, Aber- deenshire
4758	Green, Albert W.	6, Ferndale Road, Gravesend, Kent
4275	†Greenaway, W. T.	
4926	Griffiths, David	1, Alexandra Road, Cospicua, Malta

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
2288	Griffiths, R. St. A.	Great Garlands, Stanford-le-Hope, Essex
4433	Gridgeman, G. A. (Warrant Engr., R.N.)	W.O.'s Mess, R.N. Barracks, Devonport
4586	Grocock, William	53, Shirlock Road, Hampstead, N.W.3.
4314	van Haersolte, Baron Jan W. J.	Haringvliet South, 68, Rotterdam
3816	Hall, John	11, Stratford Grove Terrace, Heaton, Newcastle-on-Tyne
5511	Hall, John William	70, Dinsmore Road, Balham Hill, S.W.12.
4783	Hall, Lancelot	3, Knights Road, Lower Hutt, Wellington, New Zealand
4234	Hall, Wilfred	26, Ellison Place, Newcastle-on- Tyne
3814	Hampshire, C. J.	<i>c/o</i> Messrs. Matthew Keenan & Co., Ltd., Armagh Works, Tredegar Road, Bow, E.3.
5467	Harbord, Francis Michael	"Lyndhurst," Birkenhead Road, Meols, Cheshire
4644	Harden, W. H. G.	14, Amherst Road, Withington, Manchester
4754	Hardy, Alfred Cecil	<i>c/o</i> "Motorship," 220 West 42nd Street, New York City, U.S.A.
5422	Harrington, Walter Allan	Assistant Resident Engineer, Govt. Marine Dockyard, Rangoon
5050	Hatch, George Jacob	16, Grove Hill Road, Denmark Park, S.E.5
4949	Hedworth, William Allen	<i>c/o</i> Messrs. Miller & Co., Apartado 12, Las Palmas, Canary Islands
4842	†Hennessy, Nicholas du Barry	
4590	Herbert, Sydney G.	4, Seafield Road, Bexley Heath, S.E.
4315	†Heron, W. McE.	

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4900	Higgins, John, B.Eng.	17, Roche's Buildings, Cork, Ireland
4660	Higgs, P. H. J.	136, Central Hill, S.E.19.
4119	Hinch, Norman G.	Sudan Govt. Railways & Steamers, Steamers Dept., Khartoum North, Sudan
4755	Hitchon, Horton H.	7, Newington Villas, Briton Road, Faversham, Kent
5094	Holmes, Verena Winifred, B.Sc.	29, Welbeck Street, London, W.1.
4379	Hooley, Frank A.	<i>c/o</i> Liddell Bros. & Co, Ltd., 47, Szechuan Road, Shanghai, China
5296	Horgan, Patrick J.	18, Plunkett Terrace, Cobh, Co. Cork, Irish Free State
4225	Hosking, Hy. H.	"Rock Villa," Rock, Wadebridge, Cornwall
5169	Hughes, Cecil	Pumpuretters, Ltd., Canal Parade, Newport, Mon.
4605	Irwin, D. W.	75, Peacock Street, Gravesend, Kent
5430	Isterling, William Richard	8, Balmoral Road, Elm Park, Liver- pool
5403	Jackson, Sidney B.	Pratchitts Lodge, Denton Holme, Carlisle
3524	Jakeman, J. W.	3, Clarendon Avenue, Stockport Road, Altrincham, Cheshire
2474	Jenkins, Richard P.	123, Edridge Road, Croydon, S.E.
4726	Johnson, Robert S.	7617, Race Street, Homewood, Pittsburgh, Pa., U.S.A.
4528	Jolly, Robert	122, Leadenhall Street, E.C.3
5220	Jones, David	48, Bank Road, Bootle, Liverpool
2737	Jones, Ernest H.	Yarrow, Fairmead Avenue, West- cliff-on-Sea
4742	Kelly, Frank	19, Devon Street, Barrow-in- Furness

ASSOCIATE MEMBERS.

NO.	NAME	ADDRESS.
4365	King, William	126, Shield Street, Newcastle-on-Tyne
5318	Knibbs, Richard P.	Woodman's Cottage, Banstead, Surrey
5450	Knopp, Leslie	90, Rochester Street, Chatham
4820	Lang, Matthew	27, Haverstock Hill, London, N.W.3.
5076	Lash, Stanley	Flat 3, 22, Colville Road, Bayswater, London, W.11
5008	Lawrence, George	323, Folkestone Road, Dover
4238	Lester, Norman H. R.	17, Crompton Road, Handsworth, Birmingham
2245	Lewis, C. V.	Power Station Superintendent, John Brown & Co., Ltd., Atlas Steel & Iron Works, Sheffield
4744	Lewis, L. B.	Copstone Cottage, Otford, Sevenoaks, Kent
4743	Leyland, Samuel	Villa Salford, Sidi Gaber, Ramleh, Alexandria, Egypt
4710	Little, Joseph E.	81, Gainsborough Road, Chadwell Heath, Essex
5260	Livingstone, Geo.	8, Trafalgar Street, Dalmuir, Scotland
4659	Lockie, Andrew C.	7, Hermitage Place, Leith, Edinburgh
3200	Lowcock, Percy	"Fenholme," Stockfield-on-Tyne
5456	Lyall, Norman	39, Low Shore, Macduff, Scotland
3675	†Macdonald, H. W.	
5325	McCullagh, John	Inver Müdal, Knock, Belfast, Ireland
5063	McKay, Joseph	10, Thicketford Road, Bolton, Lancashire
4420	McNaught, J. L.	5, Formby Street, Formby, Lancs.
3436	Main, Wm.	10, Jessfield Terrace, Trinity, Leith

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
5067	†Marquand, Hilary Strina	
3247	Martin, William Jardine	10, Stanhope Place, Haymarket, Edinburgh
4991	Massey, Oswald William	St. Olave's, Stanford-le-Hope, Essex
4455	Mather, Matthias	18, The Greenway, Llandarcy, Skewen, Glam.
4218	Matthews, John A.	249, Hither Green Lane, Lewisham, S.E.13
5364	Mercer, Herbert A.	459, Ley Street, Ilford, Essex
3411	Millar, John H.	4, Lixmount Gardens, Trinity, Edinburgh
4539	Mitchell, Frank (Comm'd.-Engr., R.N.,)	H.M.S. <i>Stuart</i> , Mediterranean Fleet, <i>c/o</i> G.P.O., London
2864	Moir, Francis G. L.	5, Billiter Street, London, E.C.3
5521	Monro, James Muir	56, Weston Grove Road, Woolston, Southampton
5499	Morison, Thomas Davies	<i>c/o</i> R. Cranmer Brown, Ltd., Wel- lington Street, Hull
5494	Morton, Robert	37, Aubert Park, London, N.5.
4500	Mullins, Patrick P.	1, Bath Terrace, Glenbrook, Pas- sage West, Co. Cork
	Murray, James L.	<i>c/o</i> Lloyd's Bank, Ltd., Folkestone
5439		
4713	Nelson, Hugh (Flying Officer (Technical), R.A.F.)	St. Brides, Mill Road, West Dray- ton, Middlesex
2397	Ness, J. D. A.	"Kingfauns," Upper Largs, Fife- shire
4786	Nicoll, William J.	<i>c/o</i> The Asiatic Petroleum Co., Ltd., Box 193, Bombay
4636	Nicholas, R. P.	29, Wykeham Road, North End, Portsmouth
4236	†Norrington, H. R.	
5478	O'Callaghan, John Henry Bernard	64, Court Road, Grangetown, Cardiff

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4852	†Older, Bernard Ernest	
5012	O'Shea, John Charles	73, Elborough Street, Southfields, London
3942	Owen, Sidney	Engineering Dept., Technical College, W. Hartlepool
2860	Palmer, E. Frank	9, Mayow Road, Forest Hill, S.E.23.
4146	Palmer, John E.	50, Hurstwood Road, Sunderland
4843	†Peck, William Frank	
5460	Pedrick, Jack L.	"Manciple House," Week St. Mary, near Holsworthy, Devon
5346	Peel, Charles Ed.	<i>c/o</i> B.I.S.N. Co., Ltd., Calcutta
4395	Phemister, A. G., B.SC	35, Woodside Quadrant, Glasgow
4103	Pilton, James F.	85, Galbraith Street, Cubitt Town, E.14.
3873	Plummer, W. R. G.	70, Lichfield Road, Southtown, Gt. Yarmouth
4740	Pottinger, A. B.	Fairhaven, Plymstock, Devon
4277	Prince, Eric	H.M.C.S. <i>Alert</i> , <i>c/o</i> A.O. Cable Depot, Admiralty Harbour, Dover
4291	Pringle, Richard S.	6, Botany Cottages, Purfleet, Essex
3986	Rackham, H. C.	103, Arngaske Road, Catford, S.E.6
4661	Ramage, Henry	11, Penelope Road, Pendleton, Manchester
5251	Reeder, Ronald F.	18, Kitchener Road, High Wycombe, Bucks.
5475	Rimmer, Ernest J.	48, Dartmouth Park Hill, N.W.5.
5416	Roberts, Stanley Moir	691, Stamford Hill Road, Durban, Natal, South Africa
5385	Robertson, John J.	14, Hendford Grove, Yeovil, Somers- set.
3348	Rodgers, Walter Roy	Navy Office, Victoria Barracks, St. Kilda Road, Melbourne, Victoria

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4911	Rogers, Frederick Arthur	5, Watson Place, St. Judes, Plymouth, Devon
3901	Romano, Paul	89, Boulevard de Strasbourg, Havre, France
4972	Russell, William Robertson	<i>c/o</i> The African Wharfage Co., Ltd., P.O. Box 120, Mombasa, Kenya
2807	Rutherford, N. G.	<i>c/o</i> James Pollock, Sons & Co., Ltd., 3, Lloyd's Avenue, E.C.3.
3238	Sampson, Percy	66, Ballantyne Road, West Derby, Liverpool
4942	Sargeant, Hedley Gordon	50, Cyprus Avenue, Church End, Finchley, N.3
5173	Scott, Harry B.	S.S. <i>Mundra</i> , Messrs. Mackinnon, Mackenzie & Co., Calcutta
4766	†Sewell, Henry G.	
2257	Shackleton, E.	56, Lyndhurst Grove, Peckham, S.E.15.
5423	Shields, Charles W.	159, Caledon Road, East Ham, E.6.
4833	Simpson, Frederick (Flying Officer, Technical)	<i>c/o</i> C. W. Clifford, Ye Olde Welsh Harp Hotel, Hendon, N.W.9
4664	Smalles, Fred W.	Mines Office, Ipoh, Perak, F.M.S.
3337	Smith, Arthur	Glebe House, Wells, Norfolk
5123	Smith, Donald V.	"Azalea," Essex Road, Gravesend
4344	Smith, Edward A.	246, Southtown Road, Great Yarmouth
4580	Smith, George	5, Tantallon Terrace, Ibrox, Glasgow
5278	Smith, George L. V.	Hotel St. Alice, North Vancouver, B.C., Canada
5091	Smith, James	9, Windsor Gardens, Monkseaton, Northumberland
3936	Smith, Sydney P.	5. Dermody Gardens, Lewisham, S.E.13.
4788	Staal, Gabriel	Red Star Line. Quay du Rhin, Antwerp

† Address wanted.

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
4149	Stephens, Edward O.	Wheatley Lodge, 1, West Street, Erith, Kent
4423	Story, C. L.	19, Royal Terrace, Southend-on-Sea
4846	Swan, David Aitken	18, Braemore Road, Seven Kings, Essex
4326	Tall, Percy H. (Warrt. Engr., R.N.)	H.M.S. <i>Repulse</i> , c/o G.P.O., London
5504	Taylor, John R.	63, Whitworth Road, South Nor- wood, S.E.25.
3596	Taylor, Walter	45, Pritchard Street, Burnley, Lancs.
4597	Teasdale, Joseph J. (Flying Officer, R.A.F.)	Officers' Mess, Royal Air Force, Manston, Kent
4669	Teunon, Frank G. S.	20, Beechgrove Place, Aberdeen
4652	Thompson, R. W.	155, Fenchurch Street, E.C.3.
5171	Thomson, John	9, Kirkwood Street, Ibrox, Glasgow
5396	Thornton-Smith, Gilbert	45, Whitelake Avenue, Flixton, Manchester
3229	Tinker, Walter	c/o Municipal Electricity Depart- ment, Shanghai
452	Trenow, H. C.	The Strand, Townsville, North Queensland, Australia
5477	Trail, Aubrey J. F.	21, Grosvenor Place, Jesmond, Newcastle-on-Tyne
5188	Tribe, Charles G.	162, Perth Road, Ilford, Essex
3722	Twomey, P.V.O.J.	7, Lifford Villas, Ballinacurra, Limerick
5541	Turnbull, John W.	154, Trewhitt Road, Heaton, New- castle-on-Tyne
5088	Turner, Reginald Alfred	c/o Asiatic Petroleum Co., Ltd., Bangkok, Siam
5146	Upton, Henry Ed.	35, Potter Street, Jarrow-on-Tyne

ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
5433	Walcroft, Ernest Thomas	98, Arodene Road, Brixton Hill, London, S.W.2.
5137	Walsh, John	2, King Street, Blackburn
4971	Walsh, Sydney John	14, Liscard Road, Wallasey, Cheshire
3278	†Ward, Albert	
3783	Warrender, F. C.	21, Lindeth Avenue, Wallasey, Cheshire
2702	†Watt, James (Capt., R.M.E.).	
5538	Wheatcroft, John Dixon	54, Junction Road, Bury Street, Lower Edmonton, N.9.
5031	Wheatley, William (Flying Officer, R.A.F.)	C.T.T.B., R.A.F., Uxbridge, Middlesex
3932	White, William T.	3A, Farley Road, Catford, S.E.6
5180	Whiteford, Andrew Lewis	20, Maukinhill Road, Bridgend, Greenock
4561	†Whiteley, Arthur	
4611	Whittle, Robt. W.	<i>c/o</i> Miss M. Hickey, 37, David Street, Cardiff
5009	Widger, Henry Charles	156, Charles Street, Greenhithe, Kent
5193	Wilson, Georg McKenzie	Engineer, B.I.S.N. Co., Messrs. Mackinnon, Mackenzie & Co., Calcutta
2932	Wilson, T. S.	48, Hadrian Road, Wallsend-on- Tyne
4090	Wright, Robt. H.	Greenhill House, Kilpikie, Bam- bridge, Co. Down
4231	†Wrigley, A. Eaton	
4563	Wynn, Frederick George Baden	The White Lion Inn, Mount Pleasant, Barrow-in-Furness
5395	Young, Hylton W.	59½, Southwark Street, S.E.1.

† Address wanted.

* ASSOCIATES.

NO.	NAME.	ADDRESS.
4895	Alton, William Arthur	27, South View, Trimdon Grange, Co. Durham
3549	†Andrews, Albert E.	
4367	Angove, Joseph	31, Sunningdale Avenue, Walker- on-Tyne
4947	Arnold, Donald Leslie Nathaniel	104, Leigh Hill, Leigh-on-Sea, Essex
4176	Ayre, W. P.	5th Engineer, S.S. <i>Barpeta</i> , c/o Mackinnon, Mackenzie & Co., B.I.S.N. Co.'s Agents, Bombay
5365	Beardshaw, Herbert Ewart	41, "Oakwood," Canal Side, Monton Green, Eccles, Lancs.
5252	Bennett, Joseph Leonard Brooke	Danebury House, Kew Green, Surrey
4665	Benson, Regld. H.	32, Northbrook Road, Southampton
4495	Bews, James Blyth	"Blythwood," 59, Laburnum Av., Wallsend-on-Tyne
3407	Birtwistle, T.	2, Clifford Road, South Norwood, S.W.
4894	Bishop, Henry John	321, East India Dock Road, E.14
3705	Boak, Wm., junr.	3rd Engineer, c/o Mackinnon, Mac- kenzie & Co., Strand Road, Calcutta
3679	Bond, Herbert C.	Northlands, Milton Road, Corring- ham, Essex
3966	†Brown, David	
4031	Brown, John Knox, B.SC.	9, Hill Road, Barrow-in-Furness
4831	Buchanan, Thomas	S.S. <i>Oradell</i> , Oriental Navigation Co., 17, Battery Place, New York, U.S.A.
4267	Burrage, Edmond E.	28, Freshford Street, Earlsfield, S.W.18
3488	Campbell, J. F.	"Beechcroft," Drumry Road, Clydebank, near Glasgow

* Several in this List are due for promotion and ought to make application for transfer.

† Address wanted.

ASSOCIATES.

NO.	NAME.	ADDRESS.
4537	Catlin, Horace Ed.	The Brambles, Hill House Drive, Billericay, Essex
3631	Challis, David T.	174, Burdett Road, Bow, E.3.
4106	Chatterton, Seth E.	Shenstone, Brook Road, Shanklin, I.O.W.
4408	Cowell, Charles H.	65, George Street, Buckland, Ports- mouth
3795	Crossley, Sidney	Fern Cottage, off Manchester Road, Denton, Nr. Manchester
3995	Cruikshank, John Shand	<i>c/o</i> S.S. <i>Minnetonka</i> , Atlantic Transport Line, King George V. Dock, E.
602	Denton, H. H.	<i>c/o</i> Superintendent Engineer's Dept., Atlantic Transport Line, 38, Leadenhall Street, E.C.3
4425	Duffus, John, junr.	Waidon-i-Naftun, Messrs. Anglo Persian Oil Co., Ltd., Ahwaz, Persian Gulf
4347	Edge, Edward J.	Engineers' Department, T.S.S. <i>Woodarra</i> , <i>c/o</i> Gray, Dawes & Co., Royal Albert Dock, London, E.
4676	Fielden, Barton Proctor	4, Cavendish Gardens, Ilford, Essex
4725	Fotheringham, David Alex.	18, Alexandra Park Road, Muswell Hill, N.10.
4850	Fotheringham, Walter Ellis	18, Alexandra Park Road, Muswell Hill, N.10
4112	Franklin, Ernest E.	<i>c/o</i> Institute of Marine Engineers, 85, Minories, E.1
3498	Fynn, E. W. J.	105, Coningham Road, Shepherd's Bush, W.12
4477	Freemantle, Douglas William	102, Humber Road, S.E.3
5361	Gall, George	166, Cranbrook Road, Ilford, Essex

ASSOCIATES.

NO.	NAME.	ADDRESS.
5514	Gasson, Fred C.	2, Willow Cottages, Hollington, St. Leonards-on-Sea
4353	Graves, Joseph H.	38, Solway Road, Wood Green, N.22.
5023	Groves, Harry George	62, Upperton Road, Plaistow, E.13
3462	Halls, George	22, St. George's Avenue, Peeverell, Plymouth
4828	Hanton, Albert Ed.	10, Selby Street, Lowestoft
4587	Hardcastle, F. E.	Alice Buildings, Hornby Road, Bombay
5445	Harding, Frederick Oliver	c/o 24, Prestwick Street, Dunedin, New Zealand
3946	Harding, W. F. G. (Engr. Lieut., R.I.M.)	R.I.M.S. <i>Northbrook</i> , c/o Director Royal Indian Marine, Bombay
5208	Hayes, Alan W.	29, Park Road, Uxbridge, Middx.
3041	Hawthorn, F. H.	"Toledo." Blakehall Crescent, Wanstead, E.11
3040	Hawthorn, G. A.	"Toledo." Blakehall Crescent, Wanstead, E.11
4625	Head, Ernest	13, High Street, Reigate, Surrey
5057	Hewson, Eric William	4, Keith Street, Barrow-in-Furness
3937	Higgs, Percival J., Wh.Ex.	3, Queen's Road, Teddington, Middlesex
5202	Hilyer, Leonard C.	50, Argyle Road, Ealing, W.13.
5350	Holman, John N.	Victoria Street, Alderney, Channel Islands
5090	Holt, Reginald Andrew	20, Pier Walk, Gorleston-on-Sea, Norfolk
4371	Houghton, Wm.	77, Sotheby Road, Highbury, N.5.
4845	Hunter, James	Star House, 25, Kirkgate, Alloa, N.B.
2589	Hutchison, Geo. O.	36, Robinhood Lane, Poplar, London, E.14
4624	Hymas, Walter A.	301, Westmount Road, S.E.9.
4471	Jarrett, Horace A.	H.M.S. <i>Tiger</i> , c/o G.P.O., London

ASSOCIATES.

NO.	NAME.	ADDRESS.
4583	Johnston, Stanley J.	24, Earl's Terrace, Wellington, N.Z.
3945	Knox, John	56, Station Road, Wallsend-on- Tyne
4042	†Kurth, M. W.	
2579	Lawson, John D.	<i>c/o</i> Lawson & Grayston, 45, Chaussee d'Austerweel, Dry Docks, Antwerp
4969	Levy, Samuel	39, Locksley Street, London, E.14
5429	Lewis, George Thomas Lyne	14, Moodkee Street, Rotherhithe, S.E.16.
5362	McConnell, David	198, My Lady's Road, Belfast, Ireland
4931	Macdonald, Hugh Glasper	14, Park Road, Leith, N.B.
4217	Mallett, W. E.	46, Orchard Hill, Lewisham, S.E.13
5140	Mason, Lawrence	84, Lorne Road, Forest Gate, E.7.
4998	Masson, John A.	1, South Wharf Cottage, Rother- hithe, S.E.16
5049	Macfie, Duncan Brown	36, Clifford Street, Ibrox, Glasgow
5022	McLellan, Thomas Anderson	"Oakdene," Gordon Road, Finchley, N.3
2095	McVey, C. C.	Cam-nethan, Blythswood Road, Renfrew
5149	Middleton, Edwin John	169, Grove Street, Deptford, S.E.8
4666	Miles, Ernest C. (2 A.C.)	E.W.C. Co., Power House, Royal Air Force, Shotwick, near Chester
3887	Miller, Hunter Robert	4, East Restalrigg Terrace, Leith, Scotland

† Address wanted.

ASSOCIATES.

NO.	NAME.	ADDRESS.
4978	†Moncad, Victor Vincent	
3891	Moran, Robt.	1, Woodside Terrace, Starling, Nr. Bury, Lancs.
5331	Morgan, John R.	"South Bank," 91, Porthkerry Road, Barry
5487	Musto, Leonard	123, Bancroft Road, London, E.1.
4602	Norman, Wm. F.	23, Blisset Street, Greenwich, S.E.10.
4905	Odds, Frank Frederick (E.R.A., R.N.)	22, Cecil Road, Rochester, Kent
4175	Palmer, Leslie G.	160, Boundaries Road, Wandsworth Common, S.W.12.
4171	Palmer, William Alfred	47, Rouel Road, Bermondsey, S.E.16
4815	Parish, Edward J. (E.R.A., R.N.)	31, Cornwall Road, Fratton, Ports- mouth
4148	Parsons, W. H. M.	Radford, Enstone, Oxon.
4332	Peake, W. G.	30, Trafalgar Road, East Green- wich, S.E.10.
3542	Peckham, R. A.	5, Brightside Terrace, Hither Green, Lewisham, S.E.13.
5226	Perry, Cyril H.	H.M. R.F.A. <i>Fortol</i> , c/o G.P.O., London
4645	Plummer, W. A. (E.R.A., R.N.)	91, Albert Road, Southsea
4536	Poole, Cyril S.	61, King Edward Street, Shotton, near Chester
4943	†Price, David James	
5098	Pull, Frederick E.	7, Trelawney Road, Hackney, E.9
5161	Reeves, Joseph A.	16, Woodpecker Road, New Cross, London, S.E.14

† Address wanted.

ASSOCIATES.

NO.	NAME.	ADDRESS.
5021	Rischmiller, George L.	6, Staunton Street, Deptford, S.E.8.
5062	Robb, James	Woodbine, Ferryhill Road, Aber- deen
	Andrew Taylor	
5074	Robb, John	385, Sauchiehall Street, Glasgow
	Campbell	
3207	Robertson, J. A.	Elm Gable, Lancet Lane, Loose, Kent
3931	Robertson, W. H.	4, Selborne Road, Ilford, Essex
	H.	
5110	Robinson, Kenneth	1, Salcombe Gardens, Clapham Common, S.W.4
	Harry	
4056	Rutherford, Arthur	7, Ryehill Terrace, Leith, Scotland
4979	Ryan, John Joseph	Colonia Municipal No. 19, Parque Patricios, Buenos Aires, Argentine
4394	Sankey, H. K., (E.R.A., R.N.)	H.M.S. <i>Royal Sovereign</i> , c/o G.P.O.
5075	Schaal, Louis	Oaklands, 121, Cromwell Road, St. Andrew's Park, Bristol
5072	Shields, Walter	56, Chorlwood Road, Putney, S.W.
	Charles	
4635	Simons, Wilfred	4th Engineer, M.V. <i>Enton</i> , c/o The Avenue Shipping Co., 2, Fen- church Avenue, E.C.3.
3615	Smith, Ewen H.	Ben Nevis, Barrow Lane, Hessle, E. Yorkshire
5474	Smith, Harry R.	R.F.A. <i>Brambleleaf</i> , c/o G.P.O., London
4373	Smith, Herbert D.	40, Balmoral Terrace, Heaton, Newcastle-on-Tyne
4959	Smith, John	65, Grane Road, West Hartlepool
	Stewart	
3944	Sosson, George	27, Springvalley Terrace, Edin- burgh
5175	Strother, Fleming	18, St. Georges Square, Sunderland
4985	Sweasey, Henry	3, Balfour Road, North End, Ports- mouth
	William	

ASSOCIATES.

NO.	NAME.	ADDRESS.
5039	Taylor, Andrew	S.S. <i>Nanning</i> , China Navigation Co., <i>c/o</i> Butterfield & Swire, Shanghai, China
3973	Taylor, Stanley F.	200, Algernon Road, Ladywell, S.E.13.
4906	Thomas, Albert Peter	10, Bisham Gardens, Highgate, London, N.
1650	Tillett, R. J.	18, The Drive, Beckenham, Kent
5071	Timberlake, Frederick George	40, St. Mary's Terrace, Hastings
4339	Tonks, T. E. C.	28, Rossett Road, Blundellsands, Lancs.
4034	Turner, Charles W., B.Sc.	Eversleigh, Tynewydd Road, Barry, Glam.
5411	Turner, Cyril Walter Clark	H.M. Hospital Ship <i>Maine</i> , Mediterranean Fleet, <i>c/o</i> G.P.O., London
5176	Turner, Wilfred	139, Park Road, Wallsend-on-Tyne
4393	Wallace, Percy	46, Westoe Lane, South Shields
5087	Ward, James Tickner	205, St. Vincent Street, Westoe, South Shields
4595	de Waterford, E. C.	28, Hemingford Road, Barnsbury, N.I.
5304	Wigley, John Chas.	4, Whitworth Road West, Copnor, Portsmouth
4301	Wilson, Thos.	24, Blackall Road, Exeter

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STUDENT GRADUATES.

NO.	NAME.	ADDRESS.
3991 4892	Anderson, Wm. R. †Anderson, George Harwell	68, Mile End Avenue, Aberdeen
4362	Brandie, James	215, Gt. Northern Road, Aberdeen
5400 5349	Brown, Arthur B. Brown, William D.	1, Baltic Place, Aberdeen 69, Beechgrove Terrace, Aberdeen
3998	Cameron, Wm. A.	<i>c/o</i> R. Leith, Esq., 6560, McDonald Avenue, Detroit, Michigan, U.S.A.
4461	Dodd, John H.	6, Honister Avenue, High West Jesmond, Newcastle-on-Tyne
4848	Duthie, Henry	471, Great Northern Road, Woodside, Aberdeen
4426 4375	Eddie, James M. Ewing, David B.	29, Wallfield Crescent, Aberdeen Craig Park Tea Estate, Kalain P.O., Cochar, India
4009	Feather, Leslie E.	North View, 25, Marine Avenue, Monkseaton, Northumberland
4720 4397	Frith, John Hart Fowlie, George P.	Whittingham, Northumberland 90, Bedford Road, Aberdeen
4790 5255	Gallon, Cyril Gerrie, Norman R.	80, Julian Avenue, South Shields 5, Marine Place, Aberdeen, Scotland
5178	Grant, Alexander	<i>c/o</i> Mrs. Douglas, 5, Kirkwood Street, Ibrox, Glasgow
4912	Charles A. Grant, William	Lamabari Tea Estate, Mazbat P.O., Darrang, Assam, India
5148	Hay, Alexander, Junr.	"Laurelwood," 58, Grampian Road, Torry, Aberdeen

† Address wanted.

STUDENT GRADUATES.

NO.	NAME.	ADDRESS.
4647	Howey, Henry W.	Boat Inn, Tweedmouth, Berwick-on-Tweed
4010	†Hutchinson, G. R.	
4613	Jamieson, Frank	Dolor Tea Estate, Dalu P.O., Cochar, India
5261	Kennedy, George Farrar	62, Urquhart Road, Aberdeen
4372	Littlejohn, Wm.	Michel Hotel, Michel, British Columbia, Canada
4616	Mair, Aeneas A.	96, Walker Road, Torry, Aberdeen
5322	Maddock, Cedric W. A.	"Glengariff," Dunston-on-Tyne
3992	Manley, W. McG.	83, Stanley Street, Aberdeen
4919	Martin, John Henry	40, Union Grove, Aberdeen
4102	Miller, Robt. B.	"Elmbank," Park Terrace, Dunston-on-Tyne
3993	Mitchell, Jas. M.	2, Grosvenor Terrace, Aberdeen
4918	†Mitchell, William	
4883	Moir, Duncan Mitchell	118, Union Grove, Aberdeen
5174	Morrison, James F.	H.M. Coast Guard Station, Bridge of Don, Aberdeen
4617	Murray, David	Millseat Manse, By Turriff, Aberdeenshire
4053	Oman, Geo. Wm.	Ivy House, Ashburnham Road, Bedford
4054	Orde, J. R.	132, Park Road, Newcastle-on-Tyne
4622	Pearson, Robert N.	5, Prescott Street, Hoole, Chester
4872	†Powis, Ralph	

† Address wanted.

STUDENT GRADUATES.

NO.	NAME.	ADDRESS.
5238	Readdie, Thomas	17, Brighton Road, Gateshead-on-Tyne
4751	Simpson, Charles	36, Mount Street, Aberdeen
4515	Smith, William Mitchell	7, Bondgate Hill, Alnwick
4884	†Stewart, Francis	
5359	Tyrrell, Henry R.	6, Ferrestone Road, Hornsey, N.8.
5287	Walmsley, William Raffle	Hawthorne House, New Washington S.O., Co. Durham
4555	Waters, George	28, Oaklands, Gosforth, Newcastle-on-Tyne
3987	Wells, Percy B.	47, Thurleigh Road, London, S.W.12.
4700	Will, John	3rd Engineer, <i>c/o</i> Butterfield & Swire, Shanghai, China
5158	Wilson, William Murray	9, Canal Street, Aberdeen

† Address wanted.

* GRADUATES.

NO.	NAME.	ADDRESS.
4181	Adie, Harry F.	Highfield, 53, Hutton Avenue, West Hartlepool
4980	Affify, Amin Ibrahim	Engineer, S.S. <i>Aida</i> , Ports and Light Houses Administration, Alexandria, Egypt
4698	Alexander, D. H.	City and Guilds Engineering College, Exhibition Road, South Kensington, S.W.7.
3794	Allison, Alexr.	39, Swanmore Road, Ryde, Isle of Wight
4981	Amer, Mohamed Hasan	Engineers' Office, Ports and Lights Administration, Alexandria, Egypt
5256	Arnold, William D.	44, Westgate Road, South Nor- wood, S.E.25
3959	Atkinson, Edw. D.	"Woburn," Bristnall Hall Lane, Warley, near Birmingham
4214	Bailey, Thos. W.	50, South Bank Road, Edge Lane, Liverpool
5045	Barnes, Ernest George	185, Creek Road, Deptford, S.E.8
5027	Barnes, Frederick William	25, Prince Street, Deptford, S.E.8
5490	Barrow, John K.	29, St. James' Avenue, Sutton, Surrey
4483	Barry, J. W. P.	106, Claude Road, Upton Manor, E.13
4503	Bates, Fred. A.	Dovedale, Rectory Road, Grays, Essex
4898	Batey, Robert Alexander	6, Waverley Avenue, Monkseaton, Northumberland
4529	Bean, Alex. D.	732, Dumbarton Road, Dalmuir, near Glasgow
4939	Bennett, Francis George	97, Bedford Hill, Balham, S.W.12

* Several in this List are due for promotion and ought to make application for transfer.

GRADUATES.

NO.	NAME.	ADDRESS.
4493	Bradley, Wm. J.	Livonia, Wilton Avenue, West Hartlepool
4427	Brand, William J.	167, Elm Road, Leigh-on-Sea, Essex
4293	Brighty, A. W. S.	Port Holme, 2, Hillside Gardens, Wallington, Surrey
5077	Brown, Benjamin	44, Langdale Terrace, Headingley, Leeds
5373	Brown, Frederick Thomas	5, Queen Street, Deal, Kent
4785	Bruce, Fredk. D.	81, Clemence Street, Burdett Road, London, E.14.
3863	Campbell, A. M.	36, Muswell Avenue, Muswell Hill, N.
5283	Canning, Kenneth Chevalier	56, Embleton Road, Lewisham, S.E.13.
5518	Carnaghan, James Tod	c/o Fletcher, 2, Wellington Street, Greenock, Scotland
5438	Catto, Robert J.	180, King Street, Aberdeen, Scotland
4502	Chadwick, Geo.	66, Whitbread Road, London, S.E.4.
4992	Chamberlain, Gilbert Atwood	92, Church Road, Barnes, S.W.13
4544	Charleson, T. S.	11, Woodend Drive, Jordanhill, Glasgow
4364	Christian, A. A.	8, Colebrooke Drive, Wanstead, E.
5167	Clark, John Ernest	6, St. Stephens Road, Lewisham, S.E.13
5010	Cowie, Ian Henry Hugh	S.S. <i>Tregothnan</i> , c/o F. C. Strick & Co., Busra, Iraq.
5210	Cranston, Ernest Watson	17, Dundas Street, Sunderland
3785	Crawley, Fredk.	c/o S. Crawley, Esq., 52, Moorgate, E.C.2
5052	Crouch, Reginald Charles	26, Alpha Road, Millwall, E.14

GRADUATES.

NO.	NAME.	ADDRESS.
5105	Cullin, Robert P.	Church Road, Harrington, Cumberland
4518	Davis, D. E.	<i>c/o</i> Mrs. Miller, 112, Second Av., Clydebank, Glasgow
5530	De, Sourendra Nalt	2, Rammohun Shaha Lane, P.O., Beadon Street, Calcutta
5157	Dodd, Edward C.	6, Relton Terrace, Monkseaton, Northumberland
4359	Drummond, Miss Victoria A.	Megginch Castle, Errol, Perthshire
4581	Edwards, B. R.	2, Westmorland Place, Westminster, S.W.1.
5315	Farnes, Thomas L.	140, Mitcham Road, East Ham, E.6
4431	†Fiddes, Robert G.	
3551	Ford, John	86, Wincobank Road, Shire Green, Sheffield
4808	Fairbairn, Cyril D.	9, Bolingbroke Street, Heaton, Newcastle-on-Tyne
5273	Ferrier, James	47, Union Street, Greenock
4888	Forte, William Leslie	66, Holland Park, W.11
5279	Franklin, Fredk. Robert	7, Park Road, Barry, Glam.
3576	Gander, F. S.	76, Romford Road, Stratford, E.15
5237	Garratt, Edmund Carlton	23, Leweston Place, Stamford Hill, London, N.
2514	Garvie, Ian, B.Sc.	57, Queenborough Gardens, Hyndland, Glasgow
4350	George, W. R.	160, Gladstone Road, Barry, Glamorgan
5500	Gibbs, Roy Mowat	23, Vaughan Gardens, Ilford, Essex
4987	Grant, Francis	The Lodge, Wickford, Essex

† Address wanted.

GRADUATES.

NO.	NAME.	ADDRESS.
5055	Griffiths, Benjamin Trevor Bewan	3, Pomeroy Street, Cardiff
4956	Gutsell, Stanley Scott	"Westfield," Beaufort Road, St. Leonards-on-Sea
4473	Haines, Chas. Herbert	32, St. John's Road, East Ham, E.6
4747	Hellings, T. H.	22, Tudor Road, Cardiff
4990	Hiles, Arthur Edward	15, Upper Cliff Road, Gorleston-on- Sea, Great Yarmouth
4653	Hill, Rowland	21, Malmesbury Road, South Wood- ford, E.18.
4934	Hobbs, Douglas Allan	9, Elmwood Road, Herne Hill, S.E.24
4774	Hoes, William E.	"Oaklea," 29, Farnaby Road, Bromley, Kent
5382	Holland, Richard Leslie	1, York Drive, Hyndland, Glasgow, N.B.
5117	Holness, William Stanley	S.S. <i>Umbolosi</i> , c/o Bullard, King & Co., 14, St. Mary Axe, E.C.3.
5013	Hoult, Aubrey Edmund	93, Manor Park, Lee, London, S.E.13
5375	Houston, Matthew Caldwell	c/o Sinclair, 106, Battlefield Road, Langside, Glasgow
4215	Hudson, Wm. S.	28, Bexley Road, Northumberland Heath, Erith, Kent
4623	Hutton, F. R. A.	11, Abbeville Gardens, Clapham, S.W.4.
4784	James, Granville G.	"Valetta," Caswell Road, Mum- bles, Swansea
4844	Jeffery, Reginald Stephen	35, Derby Road, North End, Ports- mouth
5271	Jenkins, Thomas Russell	51, Tydvil Street, Barry, Glamorgan
4415	Jobling, Alfred H.	25, Blenheim Avenue, Ilford, Essex
3665	Jones, Alfred E.	214, Liverpool Road, Barnsbury, N.
4588	Jones, Cyril W.	96, Peacock Street, Gravesend, Kent

GRADUATES.

NO.	NAME.	ADDRESS.
4216	Kennedy, E. C. J.	"Croxford," 52, Arthurdon Road, Brockley, S.E.4
4596	King, Douglas H.	56, The Grange Drive, Winchmore Hill, N.21
3717	King, Newton J.	45, The Village, Old Charlton, S.E.7
4334	Kistruck, John S.	42, Courtland Avenue, Ilford, Essex
5520	Letteboer, Arthur John	5, Westcombe Hill, Westcombe Park, S.E.10.
5066	Logan, Alexander	18, Norwich Road, Forest Gate, E.7
3578	Lomas, Douglas	Grove Street, Wilmslow, nr. Manchester
4100	†Loudon, A. J. W.	
5007	McDonald, George Gilmour	952, Pollokshaws Road, Glasgow. N.B.
4909	McGibbon, George Norman	54, Mile End Avenue, Aberdeen
5332	McIntyre, John T.	19, Woodside Terrace, Comely Park, Falkirk
5054	McKeand, Alexander John	298, Burdett Road, London, E.14.
3609	Maxwell, T. J.	3, Paulet Road, Camberwell, S.E.5
4572	Metcalf, Alfred B.	139, Lynton Road, Bermondsey, S.E.1
4549	Milbanke, A. B.	1, Pelaw Cottage, Pelaw-Main-on-Tyne
4951	Mills, Edward Cecil	94, Wilton Street, Stoke, Devonport
4896	Mogg, Herbert Wallis	72, Aubrey Road, Small Heath, Birmingham
5412	Moore, Clarence K.	Eveline Cottage, Victoria Grove, E. Cowes, Isle of Wight
4724	Moore, Frank	42, Ford Lane, Crewe
4809	Murray, William	41, Newstead Road, Lee, S.E.12.

† Address wanted.

GRADUATES.

NO.	NAME.	ADDRESS.
5335	Nicholson, Walter	53, Grosvenor Street, West Hartlepool, Durham
3862	Nightingale, L.	6, Ingleby Road, Ilford, Essex
3847	Phillips, Wm.	7, Clydesdale Terrace, Eglinton Toll, Glasgow
4885	Phillips, William Thomas	Cambridge Hotel, Shoeburyness, Essex
5143	Prowse, Robert C.	1, Northcote Street, Westoe, South Shields
5209	Pym, William	28, Boyne Road, Lewisham, S.E.13
5427	Pyne, Thomas E.	46, Stapleton Hall Road, Stroud Green, N.4.
5061	Rankin, Archibald	90, Balfour Road, Ilford, Essex
4021	†Richardson, Frank W.	
4936	Robson, George Gair	37, Byron Avenue, Willington Quay-on-Tyne
5406	Rose, Stanley R.	23, Vansittart Street, New Cross, S.E.14.
4219	Ross, Ian	31, Cromwell Road, Aberdeen
4691	Sawyer, Robert S.	30, Kilmorie Road, Forest Hill, S.E.23.
4496	Shaw, Edward	88, Inverness Place, Roath, Cardiff
4764	Shaw, William	33, Caulfield Road, East Ham, E.6.
4101	Shilston, T. Durant	East View, Stockton Road, West Hartlepool
4940	Skinner, Donald Bristow	Ladywell Institution, S.E.13
4551	†Smith, Marshall J., E.R.A., R.N.	
4165	Spiers, John R.	Junior Engineer, S.S. <i>Bengala</i> , B.I.S.N. Co., Ltd., c/o Messrs. Mackinnon, McKenzie & Co., Bombay

† Address wanted.

GRADUATES.

NO.	NAME.	ADDRESS.
5102	Teele, Percy Wm.	"Sidmore," Eastwood Road, Rayleigh, Essex
4723	Tennant, Douglas	Laburnum House, Forest Hall, Northumberland
5489	Timpson, Frank W.	4, Coventry Road, Ilford, Essex
5253	Tonkin, Charles Wallace	50, Chapel Street, Devonport
4150	Townshend, A. E. K.	10, The Parade, Pinner, Middlesex
4689	True, Thomas Fred	119, Altmore Avenue, East Ham, E.6.
3395	†Wells, A. F. W.	
4737	Waller, Philip N.	Blomfield, Yardley Park Road, Tonbridge, Kent
3996	Watson, Thos. G. W.	39, Fairfield Road, Bow, London, E.
5242	Wilkins, George A.	c/o Mrs. J. R. Knight, 1399, 19th Avenue, E. Vancouver, B.C., Canada
5426	Wilson, William J.	13, Lichfield Road, East Ham, E.6.
4419	Young, Charles McKay	Newbie, Annan, Scotland

† Address wanted.

THE FLETTNER RUDDER.

FURTHER AND AMENDED REPLY TO THE DISCUSSION ON THE
"FLETTNER RUDDER," BY MR. F. A. BEST.

With regard to the cost of extra stiffening in the stern necessary to carry the increased suspended weight of the Flettner Rudder, I would point out that this has been included in the figures given. The saving effected in first costs is therefore correctly stated. I would also remind Capt. Brown that in the case of the Flettner Rudder being adopted in place of a steam steering gear, the cost of the complete Flettner installation is very soon paid for by the saving effected in coal and steam.

In reply to Mr. Beckett and other gentlemen as to the behaviour of the Flettner Rudder at slow speeds, I wish to point out that the Flettner Rudder will not operate unless there is a flow of water past it, but this also applies to a normal rudder. As mentioned previously in the discussion, arrangements can be made to incorporate a small electric motor in the control gear whereby at slow speeds, as for instance in the Panama Canal and narrow waters, the main rudder and main quadrant can be operated directly as a normal rudder and controlled through the same hand wheel on the bridge as operates the Flettner fin when steaming in open waters. During the operation of the main rudder direct, the secondary rudder automatically becomes part of the main rudder and remains fixed in the amidships position. The *Koenigsberg*, a 9,000 ton twin-screw motor-ship, has been fitted out in this way with considerable success. In the opinion of the writer, however, this additional gear is only necessary on twin-screw vessels fitted with a single rudder. I think it will be agreed that the steering at slow speeds of twin-screw vessels with a normal rudder is not as a rule all that can be desired and I consider that the Flettner Rudder properly designed and operated directly by hand at all speeds will prove as efficient as a normal type rudder.

Replying to Mr. Humphries' question regarding stops. The secondary rudder is controlled by the shape of the camplates and therefore the helmsman cannot give too much helm to the secondary rudder and for the same reason the main rudder will not swing to a point beyond which it is designed to swing unless of course the propeller is reversed. As to the effect on the vessel itself when the rudder turns through 180° , this is nil as the rudder swings purely as a weather-cock without any reaction on the ship or surrounding waters.

THE FLETTNER RUDDER.

With regard to the cost of equipping a small tanker of 600 tons deadweight with a Flettner Rudder installation. Taking the dimensions handed to me by Mr. Humphries as follows:—160 x 30 x 12ft., and assuming the vessel to be a sea-going craft, and the rudder to have an area of 3.3 sq. metres, the approximate price for the complete installation, delivery at works in Germany and exclusive of packing, would be £300 to £350 inclusive of Royalty. This price is for a single-bladed rudder complete with Flettner fin together with control rods, rudder stock, control gear and emergency gear, together with bearing in upper deck. The control gear would be of the cam variety. The control rods from the steering position on the bridge together with hand steering wheels are not included in the above cost. These latter, however, would not be excessive, as according to figures supplied me, the distance from the bridge to the control gear at the stern would only be a matter of 45ft. The price does not include any stern frame and I would mention that the cost in the case of a Flettner Rudder would be less than in the case of a vessel fitted with the normal type of steering.

As to the point raised by Mr. Parker regarding the possibility of there being two points of equilibrium for a particular setting of the secondary rudder (giving the main rudder a helm angle in the neighbourhood of the "critical angle") I can only say that I have never been able to observe any indication of this in any of the trials I have attended.

With regard to paragraph 4 on page 845 of the April Transactions of the Institute, this should read as follows:—"A rope could of course get in between the propeller and the rudder but for several years past ordinary spade type rudders have been in use on warships of leading naval powers and it can therefore be assumed that this type of rudder would not have been adopted on naval craft without due consideration having been given to the possibility of trouble arising through it being fouled by hawsers, ropes, etc."

Election of Members.

List of those elected at Council Meeting of June 14th, 1926.

Members.

- Francis Allan, *c/o* Nielson and Malcolm, Hankow, China.
 Harold Southwell Caswell, Harbour Engineers' Dept.,
 Colombo Port Commission, Colombo, Ceylon.
 William Sharp Cobb, 75, Dacre Road, Upton Manor, E.13.
 Benjamin Harold Davison, "Tyneside," Ifield Road, Crawley,
 Sussex.
 John Paris Duguid, 8, Spring Street, Sydney, N.S.W.
 Henry McKie, *c/o* T. Murray, 50, Kent Road, Glasgow, Scot-
 land.
 Philip Arthur Pickett, 26, Park Street, Southwark, S.E.1.
 Thomas William Rose, Chief Engineer, Sunnyside Mental
 Hospital, Christchurch, N.Z.
 Robert Drayton Thrower, C.S. "Lady Denison-Pender," *c/o*
 Eastern Telegraph Co., Ltd., Zanzibar.
 Richard John Wolfe, 8, Richmond Road, Cardiff.

Associate.

- Frederick Samuel Margrie, Church Villa, Aust, Nr. Bristol.

Graduate.

- Robert Milne Murray, 76, Grosvenor Road, Ilford, Essex.

Transferred from Graduate to Member.

- James W. Campbell, 37, Forest Drive East, Leytonstone, E.11.

Transferred from Associate to Associate-Member.

- D. W. Freemantle, 102, Humber Road, S.E.3.

NOTICES.

The Papers which were on the list to be read on—

Tuesday, May 4th, 6.30 p.m.—“Steam Pipes for Super-High Pressure” by J. A. Aiton, C.B.E.

Tuesday, May 11th, 6.30 p.m.—“Some Notes on Reduction Gear,” by W. J. Guthrie.

Tuesday, May 18th, 6.30 p.m.—“Double Acting Oil Engines,” by W. S. Burn, M.Sc.

were postponed on account of the upset of Industrial progress, and arrangements are in hand for reading and discussing them in September, October and November.

ROBERT BLAIR FELLOWSHIPS IN APPLIED SCIENCE AND TECHNOLOGY.—Special attention is directed to these two Fellowships of £450 granted to the most suitable candidates over 21 years of age. Application to be made not later than June 30th to Mr. G. H. Gater, Education Officer, London County Council, The County Hall, S.E.1.

London County Council Poplar School of Navigation and Engineering. A Society of Old Scholars is being organised and former pupils are desired to communicate with Thos. L. Farnes, Graduate I.Mar.E., Hon. Secretary, 140, Mitcham Road, London, E.6.

The Association of Engineer Surveyors meets in our premises on the first Saturday in each month at 8 p.m.

The London Shipping Orchestra meets for practice in our Hall on Monday evenings.

THOMAS GRAY MEMORIAL TRUST PRIZE FOR AN IMPROVEMENT IN THE SCIENCE OR PRACTICE OF NAVIGATION.—Under the terms of the Thomas Gray Memorial Trust the Council of the Royal Society of Arts offer a prize of £50 to any person who may bring to their notice a valuable improvement in the science or practice of navigation proposed or invented by himself in the year 1926 or in the years 1921-5 inclusive. Preference will be given to an invention of 1926. In the event of more than one such improvement being approved, the Council reserve the right of dividing into two or more prizes at their discretion. Competitors must forward their proofs of claim on or before December 31st, 1926, to the Secretary, G. K. Menzies, Royal Society of Arts, John Street, Adelphi, London, W.C.2.

In response to an Invitation received from The Scientific and Technical Club, 100, Fox Street, Johannesburg, South Africa, it has been arranged that any of our Members calling at Johannesburg may visit the Club, and any Members from South Africa calling at London, may visit our Premises.

INSTITUTE OF MARINE ENGINEERS. INCORPORATED.

Patron: HIS MAJESTY THE KING.

SESSION 1926.

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† Elected 1924. * Elected 1926. ‡ Elected 1925.

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Corrosion Research Committee, Institute of Metals—JAS. M. DEWAR.
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Standardisation of Gearing—A. E. CRIGHTON.
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Marine Oil Engine Trials Committee—B. P. FIELDEN, S. B. FREEMAN.
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† Elected 1924.	* Elected 1923.	† Elected 1925.	

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Screw Threads:—FRANK COOPER.

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Royal Naval Reserve—B. P. FIELDEN.

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NOTICES.

- Tuesday, Sept. 8th, 6.30 p.m.—The President's Address.
Tuesday, Sept. 22nd, 6.30 p.m.—Subject in course of arrangement.
Tuesday, Oct. 6th, 6.30 p.m.— " " "
Tuesday, Oct. 20th, 6.30 p.m.— " " "
Friday, Oct. 30th.—Annual Dinner.

1926.

Friday, 8th January, 6 p.m.—The 3rd and 4th, The Committee Reports of Trials of the Marine Oil Engines will be given at the Inst. Mechanical Engineers Premises. All interested are invited to attend.

WEMBLEY EXHIBITION.—The Women's Engineering Society Conference is to be held on July 15th, 16th and 17th in the Exhibition Hall 10.30 to 5. Free invitation is extended to our Members. H.R.H. The Duchess of York, President, is to open the Conference at 11, on July 15th.

It has been suggested that a visit might be arranged to Barking Electric Power Station, and in order to know how many would like the suggestion carried into effect those who wish to go are invited to state at once the approximate times and dates most convenient in July so that a selection may be made to suit the majority.

By desire and invitation, attention is directed to the NEW HAVEN MACHINE TOOLS EXHIBITION to be held in Mason Laboratory of Mechanical Engineering, Yale University, New Haven, Conn., America, September 8th, 9th, 10th and 11th.

The arrangements in connection with the Shipping, Engineering and Machinery Exhibition at Olympia are reported well in hand for the opening on November 23rd to December 5th, 1925.

All Members from Overseas who expect to be in London during the dates when the Exhibition is open, are desired to write giving the probable date of arrival and when, for choice, they could accept an invitation to Luncheon at the Exhibition. The day will be fixed to suit the majority.

MARINE OIL ENGINE TRIALS COMMITTEE REPORT.—Orders for the Booklets at 4/- each may still be booked.

ENGINEERING ABSTRACTS FROM FOREIGN SOURCES.—The Institution of Civil Engineers publish quarterly a Booklet containing translations of Articles from Foreign sources, considered of value to Engineers. The four quarterly issues can be had for 30/-. A proposal has been made by the Inst. Civil Engineers that we should co-operate in extending the usefulness of the Booklet, and with a view to this, the opinions of Members are invited.

During their respective Sessions.

The Association of Engineer Surveyors meets in our premises on the first Saturday in each month at 8 p.m.

The London Shipping Orchestra meets for practice in our Hall on Monday evenings.

Dates of Meetings of Institute of Metals—October 8th, December 10th; 1926—January 7th, February 11th, March 18th, April 8th.

The Institution of British Foundrymen (London Section).—Meetings—Thursday or Saturday Evenings.

In response to an Invitation received from The Scientific and Technical Club, 100, Fox Street, Johannesburg, South Africa, it has been arranged that any of our Members calling at Johannesburg may visit the Club, and any Members from South Africa calling at London, may visit our Premises.