

OFFICE-BEARERS AND MEMBERS
OF COUNCIL.

In accordance with the report of the Scrutineers the constitution of the Office-bearers and Members of Council for Session 1910-11 will be as follows :—

President :

SIR DAVID GILL, K.C.B.

Hon. Treasurer : A. H. MATHER.

Hon. Secretary : JAS. ADAMSON.

Hon. Minute Secretary : J. G. HAWTHORN.

Hon. Financial Secretary : E. W. ROSS.

Members of Council :

GEORGE ADAMS

K. C. BALES

A. E. BATTLE

P. T. CAMPBELL

JOHN CLARK

D. HULME

J. LANG, R.N.R.

JOHN McLAREN

J. T. MILTON

JOHN PRESTON

H. RUCK-KEENE

J. H. SILLEY

W. I. TAYLOR

At a meeting of the Council of the Institute on May 5, 1910, the following gentlemen were elected Vice-Presidents of the Institute for Session 1910-1911:—

<i>Antwerp</i>	.	.	T. W. FISH
<i>Australia</i>	.	.	R. E. THOMSON, Melbourne JAS. MACARTNEY, Sydney
<i>Belfast</i>	.	.	W. J. PRATTEN
<i>Bombay</i>	.	.	ROBERT SPIERS
<i>Calcutta</i>	.	.	J. L. LESLIE
<i>Cardiff</i>	.	.	GEORGE SLOGGETT
<i>China</i>	.	.	JAMES MACDONALD, Hong-Kong J. C. ANDERSON, Tientsin
<i>Derby</i>	.	.	SIR A. SEALE HASLAM
<i>Dumbarton</i>	.	.	P. DENNY
<i>Dundee</i>	.	.	E. M. SALMON
<i>Egypt</i>	.	.	J. E. ROBERTS
<i>Fiume</i>	.	.	ALEXANDER ROLLAND
<i>Glasgow</i>	.	.	JAMES WEIR
<i>Greenock</i>	.	.	P. T. CAIRD
<i>Japan</i>	.	.	H. E. METCALF
<i>Karachi</i>	.	.	J. D. FRASER
<i>Liverpool</i>	.	.	J. LIGHTFOOT
<i>London</i>	.	.	ALEXANDER BOYLE J. E. ELMSLIE ROBERT LESLIE, R.N.R.
<i>Newcastle-on-Tyne</i>	.	.	SUMMERS HUNTER JAMES STEWART
<i>Southampton</i>	.	.	ROBERT ELLIOTT, B.Sc.
<i>Royal Navy</i>	.	.	Engr. Rear-Admiral E. LITTLE, R.N.
<i>Sea Service</i>	.	.	J. H. EVANS A. McCLELLAND ROBERT MOLLISON

INSTITUTE OF MARINE ENGINEERS
INCORPORATED

SESSION



1909-1910

President: JAMES DIXON, Esq.

VOL. XXI.

PAPER OF TRANSACTIONS NO. CLII.
SMOKE PREVENTION AND FUEL
ECONOMICS,

By MR. J. R. M. FITCH (MEMBER),

READ

Monday, February 1, 1909.

CHAIRMAN: MR. JOHN McLAREN (MEMBER OF COUNCIL).

PAPER OF TRANSACTIONS NO. CLIII.
THE APPLICATION OF ALTERNATING
CURRENTS OF ELECTRICITY TO
MODERN STEAMSHIP
REQUIREMENTS,

By MR. JOHN McLAREN (MEMBER OF COUNCIL),

READ

Monday, March 8, 1909.

CHAIRMAN: MR. J. FELL REDMAN (MEMBER OF COUNCIL).

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President : JAMES DIXON, Esq.

Hon. Treasurer : A. H. MATHER.

Hon. Secretary : JAS. ADAMSON.

Members of Council :—

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JOHN CLARK.
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J. LANG, R.N.R.

JOHN McLAREN.
J. F. REDMAN.
J. H. SILLEY.
W. I. TAYLOR.

J. T. MILTON—*Chairman*.

Hon. Minute Secretary : J. G. HAWTHORN.

Hon. Financial Secretary : E. W. ROSS.

Conveners of Committees :—

GEO. ADAMS, Press cuttings.
JAS. ADAMSON, Awards
A. E. BATTLE, Papers.
J. E. ELMSLIE, Issue of Transactions.
D. HULME, Reading Room.
J. T. MILTON, City Premises.

A. H. MATHER, } Recreation.
J. McLAREN, }
J. H. SILLEY, Property.
J. F. REDMAN, Library.
W. I. TAYLOR, Annual Dinner.

J. G. HAWTHORN and JOHN LANG—*Joint Conveners, Junior Section.*

J. CLARK and K. C. BALES—*Joint Conveners, Experimental Department.*

MR. GEORGE SHEARER—*Representative on Advisory Committee, Board of Trade.*

Vice-Presidents :—

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D. K. BLAIR (New Zealand).
A. BOYLE (London).
G. W. BUCKWELL (Barrow).
P. T. CAIRD (Greenock).
F. COOPER, R.N.R. (Birmingham).
W. D. CRUICKSHANK (Sydney).
H. DAYER (Dublin).
P. DENNY (Dumbarton).
Prof. A. C. ELLIOTT, B.Sc. (Cardiff).
J. D. FRASER (Karachi).
Sir A. S. HASLAM (Derby).
J. MAXTON (Belfast).
W. LAWRIE (London).
ROBT. LESLIE, R.N.R. (London).

J. LOCKIE (Leith).
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W. G. WINTERBURN (Vancouver, B.C.).