## INDEX OF TITLES

Year	Vol.	Page	Year	Vol.	Page
Architecture		J	Cargo Handling: Solids		
Architecture - The Unavoidable Art, Macmillan			Provision of Ore Handling Facilities at General		
Lecture, by L Rolland, DA(Dundee), PPRIBA,			Terminus Quay, Glasgow, by G Gray, BSc		
PPRIAS	131	63	and A Young1957/58	101	428
		Ţ.			
Artificial Intelligence			Castings		
The Use of Expert Systems, by Professor			What Price Steel Castings? by W A B Ritchie		
J L Alty	129	67	and D S McPhail1962/63	106	. 298
<b>5</b> 23110g	127	07			
Astronomy			Certification		
Astronomical Instruments and Their Construction -			Lloyd's Register Rules for Dry Cargo Ships,		
Macmillan Memorial Lecture, by Professor Sir			by W J Roberts, BEng, CEng1967/68	111	49
·	115	201			
Fred Hoyle, FRS1971/72	115	301	Civil Engineering		
D. P. A.4			An Overview of Construction, Presidential		
Radio Astronomy and the Structure of the Universe,			Address by Carlo Dinardo, CEng, FIES1999/2000	143	1
Macmillan Memorial Lecture by Prof. A. Lovell,					
OBE, FRS1959/60	103	252	Earthmoving Equipment Yesterday and		
			Today, by G M Perry, OBE1968/69	112	39
Automobiles					
Modern Motor Racing			EuroRoute, by K W Groves, BA, BSc1983/84	127	11/35
by Jackie Stewart	111	25	, , , ,		
			Long Sea Outfalls,		
Some Problems Associated with a New Car in			by Keith Henry, BSc, CEng, FICE1986/87	130	. 39
Scotland by A C Miller1964/65	108	1	,,,		
			Making of the West Highland Railway,		
Utilization of Auxiliary Storage Units in Road			by J S Shipway, BSc, FICE, FIStructE,		
Vehicles by Prof C R Burrows, BSc, PhD,			FIES	141	39
CEng, FIMechE	128	3			-
<b>O</b>			Tsing Ma Bridge - Hong Kongs Award Winning		
Aviation			Record Breaker, Macmillian Lecture by Jeffrey		
Concorde by H G Conway, CBE, MA1969/70	113	183	S Young, Divisional Director, Mott MacDonald		
			Ltd, Croydon1999/2000	143	53
Some Aspects of Aeronautical Research,					
by Sir Morien Morgan, CB, MA, FRS1974/75	118	109	Upgrading of the A74 to Motorway,		
by but indicate madigate, only indigates minimize in the	*10	107	by Hugh Blackwood, BSc, MSc, FICE, FIHT,		
Technological Forecasting in Civil Aviation,			MConsE1994/95	138	27
· ·	110	01	1.200.22	100	
by J R Graham, BA, MA1974/75	118	91	Combustion		
THE THE CASE TYPE AND A STREET			Fluidised Bed Combustion - A Review of the		
The Place of the Helicopter in the Transport			Current Position, by W M Urquhart,		
Field, by E Mensforth, CBE, MA1960/61	104	254	DipRTC1985/86	129	. 9
			DIPK101705/00	127	
Bridges			Communications	. ,	
The Construction of Erskine Bridge,			Communications Today,		
by G W Morley, MA, FICE1971/72	115	116	by EricJamieson, BSc, FSAScot1988/89	132	11
			<b>D D D D D D D D D D</b>	152	
The Skye Bridge,			The Press We Deserve by Professor Murdoch	:	
by John R T Carson, BSc, CEng1992/93	137	57/85	MacLennan, of Associated Newspapers, plc1998/99	142	47
			iviacionimi, or rissociated recorpapers, pie 1996/99		,
Tsing Ma Bridge – Hong Kongs Award Winning			Communications: Optical Fibres		
Record Breaker, Macmillian Lecture by Jeffrey			Progress in Optical Fibre Communications,		
S Young, Divisional Director, Mott MacDonald			by Dr J E Midwinter1983/84	127	25
Ltd, Croydon1999/2000	143	53	by Di J E Midwinter1903/04	127	23
			Computing		
Bulk Solids Handling			Computing		
Measurement Advances Related to the Pneumatic			Computer Aided Engineering,	126	3
Conveying of Bulk Solids, by Professor J R Pugh			by J L Murray, MSc1982/83	126	د
(Dept of Physical Sciences, Glasgow Caledonian			Computer Aided Engineering on the Largest to		
University)1996/97	140	45	the Smallest IBM Computer, by Andrew Dow		
Omversity)	140	. 73	_ · · · · · · · · · · · · · · · · · · ·	128	
Canals			(No written Paper)1984/85	140	
			Computer Services to Improve Business		
The Millennium Link Project – The Restoration of			Efficiency, by John A G Bertram1990/91	134	49
the Forth and Clyde and Union Canals, by G	1.40	27	Endency, by Join A G Detu an1990/91	134	47
Ballinger of British Waterways Scotland1999/2000	143	37	Digital Computers and Engineering Droblams		
a 1 11 01			Digital Computers and Engineering Problems,	100	05
Cargo handling: Oil			by D C Gillies, BSc, PhD1958/59	102	85
Modern Tanker Practice for Cargo Handling			Effect of Advances in Computer Technology on		
Equipment, by Cmdr E H W Platt, MBE, RN			Effect of Advances in Computer Technology on		
( <b>Ret</b> )1958/59	102	17	Computer aided Engineering Design, by I M Yuille	122	57/00
			BSc, PhD, CEng1979/80	123	57/89

Year	Vol	Page	Year	Vol.	Pag
Some Uses of Computers in Shipbuilding,	101	I ugc	Economics		
by N L Lawrie, BA1959/60	103	100	Inward Investment and the Scottish Economy,		
Construction			Past Present and Future, by Professor		
An Overview of Construction, Presidential			Neil Hood1988/89	132	
Address by Carlo Dinardo, CEng, FIES1999/2000	143	1			
•			Education		
Towards More Efficient Structural Design through			Training and Development for Shipbuilding, by Dr B N Baxter, MSc, PhD, CEug1981/82	125	1
Synthesis and Optimisation of Relative			by Dr b N baxter, Wist, r IID, CEug1761/62	123	
Fabrication Costs, by I E Winkle, BSc,			Trends in Graduate Training		
and D Baird, BSc1985/86	129	17	by C F Watkinson, BSc(Eng)1964/65	108	12
			2, 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Tsing Ma Bridge - Hong Kongs Award Winning			Electrical Engineering		
Record Breaker, Macmillian Lecture by Jeffrey			Factory Electrification,		
S Young, Divisional Director, Mott MacDonald		50	by J R McCulloch, BSc1957/58	101	14
Ltd, Croydon1999/2000	143	53			
			Electronics		
Use of Reinforced and Prestressed Concrete in	100	10/50	Application of Micro-Processors in	101	1
Offshore Structures, by Olav Furnes1978/79	122	13/59	System Engineering, by J Forrest1977/78	121	. 1
Oion			Engineering		
Corrosion			Engineering – the Bottom Line,		
Aspects of the Corrosion of Metals, by Prof. E C Ellwood, BSc, PhD1963/64	107	87	by H D Osbora, CEng, FIES1997/98	141	6
DJ 1100 E C EHROUI, DOG 1 HD1903/04	107	, 07			
Cranes			Pattern for Engineering,		
Cranes in Works and Shipyards,			by D H Mallinson	123	9/6
by D L Nicholson, BSc1957/58	101	224			
<del></del>			Engineering: Design		
Heavy Lift Operations - Piper PUD Module, by			Design and Industry's Performance,		
Hugh M Williams, (Heerema Engineering			by Ivor Owen, CEng, MIMechE, CBIM, FRSA1989/90	133	7
Services, London)	136	61	CDUIL, FASA1707/70	133	,
			Engines		
Deepwater Exploration and Recovery			Free-Piston Progress,		
Railroad to the Seabed,			by M Barthlon and F A I Muntz, BA1957/58	101	17
by Moya Crawford1993/94	137	29			
			Environment		
Desalination			Acid Rain and the Loch Fleet Project		
Development of Multistage Flash Distillation,			by B R Stewart, BSc, MSc, LRSC1987/88	131	4
by Professor R S Silver, CBE, MA, DSc, PhD,	104	£1	Environment		
CEng1980/81	124	51	Ice in a Greenhouse: The Impacts of Global		
Design			Warming on World Glacier Cover, by Donald		
Design Industrial Design,			J A Evans, BA, MSc, PhD, University		
by Dugald Cameron, Glasgow			of Glasgow1999/2000	143	1
School of Art1984/85	128	27			
Bellow of Art	120		Meeting the Ozone Challenge		
Structural Failures – Their Role in the Design			by Bridget Paterson1989/90	133	3
Process, by Iain A MacLeod, BSc, PhD,		*	Face Comments		
CEng1985/86	129	31/52	Essay Competition A Transport Policy for Scotland by the		
			A Transport Policy for Scotland by the Millennium – IESIS Essay Competition,		
The Geometry of the Job,			Winner: Graeme K Dodds1995/96	139	7
by W Heigh1957/58	101	56	THE PARTY OF MANAGEMENT AND ADDRESS OF THE PARTY OF THE P		
			Engineer's Role in Wealth Creation - IESIS		
Docks			Essay Competition, Winner:		
Design Features in Modern Dry Docks,			Bo Reidar Ascot1988/89	132	. 8
by R Freer, BSc(Eng), and K Sturrock, BSc,					
CEng1979/80	123	17/73	Engineering – the Mainspring of Industry		
			- IESIS/Herald Essay Competition, Winner:	24	
Telford Dock, Aberdeen Harbour,		_	<b>Douglas Dinnet</b> 1990/91	34	. (
by R D Still, BSc, CEng, FICE1995/96	139	. 7	Why I Chose to Study Engineering 15016		
			Why I Chose to Study Engineering - IESIS Essay Competition, Winner:		
The Clyde Drydock Project,		1.55	Matthew J FJeffers1994/95	138	. 6
by J W Dagleish1962/63	106	157	ALEXANDER OF A GRANDER OF THE PROPERTY OF THE	.50	
			Explosives Handling		
Dredging			Explosives Handling Jetty RNAD Coulport, by		
Rock Dredging,	105	12	S P Hornby, FRICS, MSc, BSc, PAbel, CEng,		
by Paavo Kolari (Haka UK Ltd)1991/92	135	13	MICE, MSc, BSc, and A J Plato, Eur Eng, CEng,		
W/by Ilea Dualest Dualess and W/L-4 Dawelanus-4-			MICE, BSc. Joint Meeting with MIMarE1993/94	137	3
Why Use Bucket Dredges and What Developments					
Are Taking the Mining Industry into the 21st Century, by A MacVicar (Alluvial			Forensic Engineering Forensic Engineering and Expert Advice,		
Dredges Ltd)1993/94	137	47	by Robin C Reid, BSc, CEng1996/97	140	$\epsilon$
Dieuges Liu)1993/94	13/	4/	by Kubin C Reid, DOC, Ching1770/7/	140	

Year	Vol.	Page	Year	Vol.	Page
Gas			Overview of Modern Instrumentation		
The Future of the Gas Industry,			by G McLean (No Written Paper)1991/92	135	
by Sir Henry Jones, MBE, MA1961/62	107	125			
			Macmillan Lecture: Astronomy		
Gas Turbines			Astronomical Instruments and Their Construction		
Advanced Gas Turbine Power Plant Design, by I C			- Macmillan Memorial Lecture, by Professor		
Broadley, BSc, and M S Lightbody, BSc, CEng,			Sir Fred Hoyle, FRS1971/72	115	301
FIMechE1982/83	126	25			
YY			Radio Astronomy and the Structure of the		
Hovercraft			Universe, by Prof. A. Lovell, CB, OBE, FRS1959/60	103	25
Side-Wall Hovercraft,	106	57			
by C F Morris	100	57	Macmillan Lecture: Civil Engineering		
Hydrodynamics			Tsing Ma Bridge - Hong Kongs Award Winning		
A Review of Current Ship Hydrodynamics			Record Breaker, Macmillian Lecture by Jeffrey		
Research, by F H Todd, BSc, PhD1958/59	102	207	S Young, Divisional Director, Mott MacDonald		
		7	Ltd, Croydon1999/2000	143	53
Changing Tides of the River Clyde - 1750 to					
1980, by J Ellis, BSc, PhD1972/73	116	264	Macmillan Lecture: Geophysics		
		•	Continental Drift,	100	
Computational Fluid Dynamics (CFD) - Is it more			by PM S Blackett, CH, MA, DSc, PRS1965/6	109	.77
than "Colourful Fluid Dynamics?" by Professor			Moomillan Lasture, Matagralage		
S M Fraser (University of Strathclyde)1996/97	140	21	Macmillan Lecture: Meteorology		
			Recent Developments in Weather Forecasting, by Dr B J Mason, CB, FRS1974/75	110	י
Current Knowledge of Cavitation Phenomena,			by Di D J Masoni, CD, PR319/4//3	. 119	: . <b>77</b>
their Prevention or Application, by D Rachman,	. 114	207	Macmillan Lecture: Information Technology		
MSc and J M Hobbs, BSc, PhD1970/71	114	207	The Relentless Progress of Technology - An		
The Laser Doppler Anemometer - Its Design and			Opportunity or a Threat? by Professor Robert		
Use in Fluid Mechanics, by S M Fraser, BSc,			T Beaty, FEng (IBM, Greenock)1995/96	139	53
	125	11	1 Dough & Dairy Groundary minimum 1999/90	107	
And, ching	123	**	Multimedia and the Information	•	
IESIS			Superhighway, by Dr Alan Rudge, OBE, PhD,		
Toast To The Institution of Engineers and			FRS, FEng1994/95	138	47
Shipbuilders in Scotland, by Sir Samuel Curran,					
DL, DSc, LLD, FRS1975/76	119	7	Macmillan Lecture: The Jet Age		
			The Jet Age and the Habits of Man,		
Industrial Relations			by Alistair Cooke1966/67	110	167
Continuing in Search of Economic Stability and	106	1			
Security by I M Stewart, BSc1962/63	106	1	Macmillan Lecture: Economics		
In Search of Economic Stability and Security			Tomorrow's Company – Work, Worth and		
by Sir I M Stewart, BSc1962/63	105	1	Wealth, by Mark Goyder, (Director, Centre for	4.40	
by SE The Benjary 250 minimum minimum 1502 05	100	•	Tomorrow's Company)1996/97	140	. 53
Information Technology			Magnillan Lactura - Managament		
Expert Systems in Engineering Design (Joint			Macmillan Lecture: Management		
Meeting with RINA), by Dr K J MacCallum,			Organisation,		
BSc, PhD, CEng, MRINA, MBCS1986/87	130	29	by The Rt Hon Lord Beeching, PhD, LLD, DSc1968/69	112	198
			1700/09	114	170
Extending the Network System - Face to			Macmillan Lecture: Broadcasting		
Face, by Dr N G Meadows, BSc(Hons),			Does Public Service Broadcasting Have a Future?		
PhD, CEng1987/88	131	35	The Challenge of the New Technologies, by The		
M Y. C			Rt Hon The Lord Thomson of Monifieth,		
Marine Information Systems, by Dr PS Katsoulakos1990/91	134	57	Kt, PC1985/86	129	61
by DI F 5 Katsumakus1990/91	134	31	•		
Multimedia and the Information Superhighway –			Perspectives on Television,		
Hugh Macmillan Memorial Lecture, by Dr Alan			<b>by Huw Wheldon, OBE, MC</b> 1967/68	111	263
Rudge, OBE, PhD, FRS, FEng1994/95	138	47			
			Macmillan Lecture: Coal		
National and International Communication			Coal – Its Place in the National Economy,		
Systems by W N Lang, ERD, BSc(Eng)1974/75	118	29	by The Rt. Hon. Lord Robens of		
			<b>Woldingham, PC</b> 1962/63	107	125
Instrumentation			M. T. Land C. et al.		
Current Instrumentation Development and its Effects			Macmillan Lecture: Controls		
on Engineering Practice, by J Brown, BSc, PhD,	110		Evolution of an Ideal Control System,	125	20
CEng, and D Reid, BSc, PhD1968/69	112	- 66	by Dr I T Draper, MB, ChB, FRCPEd1981/82	125	39

Year	Vol.	Page	Year	Vol.	Page
Macmillan Lecture: Design			Macmillan Lecture: Sea Power		
Design and Industry's Performance,			Commanding the Deterrent, by Commander		
by Ivor Owen, CEng, MIMechE, CBIM, FRSA1989/90	133	75	P Christmas, RN (No written Paper)1991/92	135	
FR3A	155	/3	Macmillan Lecture: Shipbuilding		
First to Third and Back,			Clydebank, The Shipyard that Named a Town,		
by Kenneth Grange, CBE, RDI, FSIAD1986/87	130	47	by Dr John Brown, BSc, LLD, CEng, FIES1993/94	137	53
Macmillan Lecture: Economics			Robert Napier - the Father of Clyde Shipbuilding:		
Economic Growth,	114	105	by Professor J M Halliday1980/81	124	47
by Sir Alec Cairneross, KCMG1970/71	114	185			
The Future of Manufacturing in Scotland,			Shipbuilding – Yesterday, Today and Tomorrow,	117	197
by Professor Andrew Bain (Dept of Political			by M A Sinclair Scott, CBE1973/74	117	197
Economy, Glasgow University)1992/93	136	79	Macmillan Lecture: Status of the Engineer		
The Scottish Economy - Its Problems and			The Status of the Engineer,		
Opportunities, by R G L McCrone, MA,			by Prof C Northcote Parkinson, MA, PhD1969/70	113	250
MSc, PhD1977/78	121	53	Macmillan Lecture: Transport		
Macmillan Lecture: Engineering and Chemistry			Air and Sea Transport - Friends or Foes,		
The Interdependence of Engineering and			by Sir Miles Thomas, DFC1962/63	106	192
Chemistry, by Sir Alexander Fleck,					
KBE, FRS1960/61	104	174	Management Contractorisation: Aspects of Achieving Value		
Macmillan Lecture: Engineering Science			for Money, by M J Leece1991/92	135	45
Engineering Science and its Creators,					
by Sir Alfred Pugsley, OBE, FRS1976/77	120	61	Industrial Relations at Fairfields,		
Macmillan Lecture: Management			by Prof. K J W Alexander, BSc(Econ) and C L Jenkins, BSc(Econ), PhD1967/68	111	163
Corporate Governance			<b>Jemmin</b> , 200(2002), 2 m2		
by Sir Campbell Fraser LLD, DUniv, DCL1990/91	134	53	Integration of Production, Costing & Financial		
Jungle - or Cloister? Some Thoughts on the			Controls in General Engineering, by W Millen Adam, TD, BSc, CA1961/62	105	244
Present Industrial Scene, by The Rt. Hon.			Adam, 10, boc, CA	105	211
The Viscount Chandos, DSO, MC1961/62	105	232	Nissan's Philosophy,		
Organisation, by The Rt Hon Lord Beeching,			by Peter Wickens1988/89	132	55
PhD, LLD, DSc1968/69	112	198	Role of the Accountant in a Shipyard,		
The Place of the Technologist in Management,			by J L Steward, FCA1965/56	109	113
by the Rt Hon Viscount Simon CMG1958/59	102	109	·		
			Some Implications in the Industrial Relations Act and Code of Industrial Relations Practice,		
Macmillan Lecture: Marine Biology  Aquatic Animal Locomotion,			by M Cromey-Hawke, MIWM, AMBIM1971/72	115	158
by Sir James Lighthill, FRS1972/73	116	35			
			Technological Manpower and the Economy,		
Macmillan Lecture: Medicine Paradox and Partnership, the Engineer's		•	by Lt-Cdr J I James, MBE, RN(Rtd), CEng, DIC1971/72	115	355
Contribution to Medicine, by Professor					
<b>John Lenihan</b>	122	45	The Industrial Technique of Value Analysis,		
Macmillan Lecture: Political Philosophy			by B G Matossian, BSc1964/65	108	263
Belief and Discipline in a Free Society,			Marine Archaeology		
by Admiral Sir Horace Law, GCB,	100		The Trireme Project - Part 1		
OBE, DSC1979/80	123	65	by Professor John Morrison, DLitt,	122	60
The Meaning of Freedom – Crisis of			HonFBA, MA1988/89	132	69
Democracy, by Lord Home of the Hirsel1975/76	119	63	The Trireme Project - Part 2		
Macmillan Lecture: Politics			by Dr John Coates, OBE, DSc, MA1988/89	132	76
Democracy in a Technological World,			Marine Engineering	,	
by Prof. Sir Denis Brogan, Kt, MA, LLD1964/65	108	164	Detail Design for Double Hull Oil Tankers		
The State of British Politics with Particular			- No Room for Complacency, by J M Ferguson	100	
Reference to Scotland, by Lord Grimond1983/84	127	29	(Lloyd's Register)1994/95	138	15
Macmillan Lecture: RNLI			Development of a Code for the Design of a		
The Royal National Lifeboat Institution,			Compliant Deep Water Platform, by Professor		
by Rear Admiral W J Graham, CB, MNI1982/83	126	83	Douglas Faulkner, FEng1984/85	128	13
Macmillan Lecture: Science Museum			Imperfection Effects and Design Tolerances		*
The Science Museum and Change - Over			in Ships and Offshore Structures by Dr C S Smith,		
the Last 30 Years, by Dame Margaret Weston, DBE, CEng1984/85	128	35	(Joint Meeting with RINA and Scottish	104	27
224 024	120	55	Association of Metals)1980/81	124	37

· Voor	¥7a1	Dago	¥7	X7. 1	D
Year MV Derbyshire – Search, Assessment and Survey,	VOI.	Page	Year	Vol.	Page
by Professor D Faulkner, WhSch, PhD, DSc,	100		Marlow Lecture: Productivity		. i
FEng, FRINA, FIStructE, FSNAME, FRSA.			Productivity Improvements in Engineering		
(Joint Meeting with RINA and Scottish		•	- Microprocessors or Motivation? by Professor		_
Association of Metals)	139	41	<b>A M Bowey, BA, PhD</b> 1980/81	124	1
125500111011011011011011011011011011011011	137	. 7.			
Shipboard Controls, by Kelvin Robinson, BSc,			Marlow Lecture: Small Firms		
MSc, MIEE, MIMarE. Joint Meeting			Small Firms and the New Industrial Revolution,		
with IMarE (Scottish Branch)1986/87	130	55	by J E Bolton1982/83	126	1
Marine Engineering: Offshore			Marlow Lecture: Social Change		
Assessment and Re-analysis of Older Offshore			Public Attitudes to Industries in the 1990s,		
Platforms, by W J Winkworth, CEng,			by The Rt Hon George Younger,		_
FIMechE1989/90	133	45	<b>TD, DL, MP</b> 1990/91	134	1
			Madam I adam Wald Cardin		
Design and Operation of Floating			Marlow Lecture: Wealth Creation		
Production Systems, by S N Smith,			Government, Finance and Industry: Making Sense of Creating Wealth, by Professor Ivan	×.	
Amerada Hess Ltd1999/2000	143	21	Yates, CBE, FEng, DSc,1996/97	140	1
Madasta			1ates, CDE, FEIIg, DSC,1990/9/	140	1
Marketing Marketing for Profit,			Industry - Society's Power Plant,		
by R W Kinnaird, CEng, FIMechE, FIMC1988/89	132	83	by Sir William Lithgow, DL, CEng, LLD1992/93	136	1
by K W Miniari d, CEng, Phyteche, Phyte1900/09	132	03	by Sit William Diangow, DD, Ching, DDD177235	130	1
Marlow Lecture			Materials		
Britain's Future - The Significance of			Advanced Engineering Materials Based on		
the European Dimension, by Lord			Fibre Reinforcement, by W Paton, BSc1971/72	115	190
George-Brown1978/79	122	1	The real state of the real sta		170
-			Recent Developments in Steels for Welded		
Marlow Lecture: Economics			Constructions, by J Lessells1978/79	122	27
Inward Investment and the Scottish			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Economy, Past Present and Future,			Steel and Aluminium Alloy Hatchway Beams		
by Professor Neil Hood1988/89	132	1	Tested at Glengarnock, by M N Parker, BEng,		
777 FZ 4 T2 4 T2 4 T3			J A Ross, BSc, and K V Taylor,		
The Keys to Future Economic Success,	142	?	<b>BSc(Eng)</b> 1959/60	103	11
by Lex Gold1998/99	142	ľ			
Marlow Lecture: Education			Materials from the Seabed		
Role and Education of the Creative Engineer,			Under the Deep Oceans,		
by Professor Alec N Broers, FRS, FEng,			<b>byT F Gaskell, MA, PhD</b> 1969/70	113	156
Vice Chancellor, Cambridge University1997/98	141	67			
, ,			Mechanical Engineering		
Marlow Lecture: Industrial Relations			An Experimental Investigation into the Honing		
Casual Labour and Labour Casualites,			Process, by Professor A S T Thomson, DSc,		
by Prof. K J W Alexander, BSc(Econ)1964/5	108	68	PhD, Professor A W ScoCBE, PhD, and		
			<b>D Wooldridge, MCT</b> 1962/63	106	323
Does Industry and Trade Unionism Matter,		4.5			
by Gavin H Laird1986/87	130	1	Electrochemical Machining Outwith the		
Y. J. A. J. D D. and the J			Aerospace Industry, by C N Larsson,	115	211
Industrial Democracy Revisited,	112	1	<b>BSc, PhD</b> 1971/72	115	311
by Prof T L Johnston, MA, PhD1968/69	112	1	Knowledge Based Condition Monitoring,	٠.	
Industrial Relations,			by Dr John A Glen, BSc, PhD1988/89	132	45
by John Garnett, CBE, MA1984/85	128	1	of 101 form 11 Group 1000, 1 m		75
, , , ,	-		Machine Condition Monitoring,		
Redundancy - the Scrap Heap or a New Job			byDr R F McLean, CEng, K P Lim, BEng,		
Opportunity, by Sir Iain Stewart, BSc1972/73	116	1	T Y Hum, BEng, and T B Xue1990/91	134	15
			,,		
Trade Unions and the State - 1964 to 1970			New High Performance Turbodrill,		
in Retrospect, by Lionel Murray, OBE, BA1970/71	114	1	by M L Ryall, BSc, FIMechE, CEng1988/89	132	59
X1 7 . X					
Marlow Lecture: Management  Developing Role of Management in Industry			Mechatronics		
Developing Role of Management in Industry, by Sir Montague Finnieston, BSc,			Methodology of Mechatronics, by John S Milne,		
PhD, FRS1976/77	120	1	<b>BSc(Hons), CEng, FIMechE</b> 1992/93	136	31
1910/11	120				
Problems of Labour Supply in Shipbuilding,			Medicine		
by L C Hunter, MA, DPhil1966/67	110	73	Paradox and Partnership - The Engineer's		
_ ,,	-		Contribution to Medicine, by Professor		
Willingly to Work,			<b>John Lenihan</b> 1978/79	122	45
by Sir Pat Lowry, BCom1974/75	118	3			
			Metallurgy		
Marlow Lecture: Power Generation			Creep Properties of Metals for Elevated		
The Challenges of Change,	100		Temperature Design, by J Henderson,	110	11
by Dr Ian M H Preston, CBE, FEng1994/95	138	1	<b>BSc, PhD, MInstP</b> 1975/76	119	11

Year	Vol.	Page	Year	Vol.	Page
Mining	, 022	I ugu	Search for and Production of Oil and Gas at	. 0	~ <del></del> B-
Opencast Mining,			Sea with Particular Reference to the North Sea,		
by Wm Rowell, BSc, CEng, FIMinE1987/88	131	27	by M M Pennell, CBE, BSc1972/73	116	399
			Young Researchers' Contributions to Offshore		
Nanofabrication			Activity in the North Sea – Mini Symposium		
Nanofabrication and its Applications, by Professor C D W Wilkinson, MA,			Professor Chengi Kuo (Chairman)		
PhD, FRSE1994/95	138	39	No written papers1984/85	128	
110,1100	150	3,			
Naval Architecture			Oil and Gas		
Project MASS - Research Experience and			Application of Hydraulic Drive Downhole Pumping		
Findings, by Professor Chengi Kuo, BSc,			Systems to Subsea Production Systems, by Andrew L Esson, BSc, MTM, CEng,		
PhD, CEng1982/83	126	39	MIMechE1995/96	139	15
Navigation					
Modern Developments in Position Finding and			Application of Mathematical Simulators for		
Navigation, by W H McKinlay, BSc, CEng,			Development of Oil and Gas Fields by D H		
FRAeS, MIEE, FRIN1977/78	121	25/67	Tehrani, Hon Prof. of Petroleum Engineering,	105	07
			Heriot-Watt University1991/92	135	27
Technology and Safe Navigation,			Developments in Offshore Pumping Technology,		
by J A H Parfett, RCNC, CEng, FRINA1971/72	115	22	by D M Manson, BSc, CEng, MIMechE and		
Noise			G S Borland, BSc, MEng, CEng, MIMechE,		
Noise and its Control – The Engineer and			Joint Meeting with Greenock Association		
His Responsibility, by D S Gordon, BSc,			of Engineers1987/88	131	73
PhD, CEng1978/79	122	37/65	T		
			Impact of North Sea Oil Industry on North East Scotland, by J Hutton, OBE1974/75	118	13
Nuclear Power			East Scottand, by J Hutton, OBE1974//3	110	13
Some Problems Associated with the Safety of Water Cooled Nuclear Reactors, by Professor			<b>Production Facilities Selection for Deep Water</b>		
H C Simpson, BSc, SM, ScD, FRSE, CEng1980/81	124	13	Oil and Gas Field Development, by Robert B		
			Inglis, BSc, PhD, CEng, FRINA. Joint Meeting		
The Atom in the Future,			with Greenock Association of Engineers1995/96	139	27
by W R Wootton1961/62	105	51	Millande		
Offichara Engineering			Philosophy The Wider Vandalism – An Essay on Technology		
Offshore Engineering  Design Evaluation of a Multi-Purpose			in Society, by Prof R S Silver, CBE, MA, DSc,		
Semi-Submersible, by Professor D Faulkner,			FInstP, FIMechE, FRSE CEng1973/74	117	142
WhSc, BSc, PhD, RCNC, FEng, A Incekik,			•		
BSc, PhD, CEng, MRINA, and C Lang,			Plastics		
BSc(Eng), PE(Colo)1988/89	132	19	Marine Applications of Plastics,	107	011
Development of a Structural Design of Compliant			by P H Collins1963/64	107	211
Deep Water Platforms, by Professor Douglas			Ports		
Faulkner, FEng	128	24	Ports on the Clyde - Anachronism or Reality?		
			by E Davidson of Clydeport Plc1999/2000	143	61
Some Aspects of Semi-submersible and Tethered			·		
Buoyant Platform Design, by N S Miller, BSc,			The Port of the Future,		100
A H Bassiouny, BSc, PhD, P F M de Souza,	126	<b>£</b> 1	by S Johnson1967/68	111	129
BSc, MSc, and J Strachan, BSc1982/83	126	51	Ports of Great Britain into the 70s,		
What is Wrong with Offshore Design Codes?			by J P Davidson1969/70	113	338
by Professor Douglas Faulkner, WhSc, BSc,			• - · · · · · · · · · · · · · · · · · ·	F	
PhD, RCNC, FEng, FIES1990/91	134	35	Ports: Oil		
Offshare Evaluation			Forth Tanker Berth for 250,000 Ton DWT		
Offshore Exploration  Marine Seismic Exploration			Tankers Loading North Sea Oil from BP		
by Dr T Hubbard, BSc, PhD1986/87	130	17	Forties Field, by H G Macdonald, CEng, FICE, FIStructE1976/77	120	37
• · · · · · · · · · · · · · · · · · · ·		_,		120	٥,
Offshore Oil and Gas			Power Generation		
Development and Operation of Drilling Vessels			<b>Efficient Use of Gas Turbines for Electricity</b>		
by J A Field, MSCE and R B Thornburg,	107		Production, by R Coats, CEng, MIMechE,	100	
BSc(Eng)1962/63	107	59	FIMarE	120	21
Offshore and Under Water,			Future Energy Sources,		
by C G Carnie	110	145	by R S Barclay, BSc, ARTC, CEng1976/77	120	11
•			· · · · · · · · · · · · · · · · · · ·		
Practices and Developments in Off-Shore			Future of Nuclear Energy in Scotland:		
Oil Exploration and Production, by F G West,		2.	Parsons Memorial Lecture, by Dr Robin		_
BSc(Eng)1964/5	108	26	Jeffrey, FEng, MIChemE1992/93	136	23
Resistance of Semi-Submersibles			Performance of Modern Power Station Plant,		
by C Grekoussis and N S Miller1977/78	121	33 <i>[</i> 7	by G R Todd, BSc(Eng), CEng1972/73	116	31
~, ~ Crossocial different to transfer	141	2311	~j o it 1000, 500(1916), C191617/2//3	110	<i>J</i> 1

Year	Vol	Page	Voor	¥7₀1	Dogo
Power From the Wind,	¥U1.	rage	Year 1987 Pumps	VOI.	Page
by Alan A Mortimer, BEng, CEng, MIMechE,	-		Water, Pumps and People,		
Scottish Power	141	7	Presidential Address by T O Leith,		
Ducklows Even wise and with the 250 MW(s)			BSc, ARTC, CEng1987/88	131	1
Problems Experienced with the 250 MW(e) Prorotype Fast Reactor, by C W Blumfield,					
OBE	129	37/43	1989 Power Generation		
			The Engineer and the Environment: Some Examples		. "
Shoreline Wave Power on the Isle of Islay,			from the Power Generation Industry, Presidential		
by Dr T J T Whittaker, BSc, PhD1989/90	133	67	Address by Professor H C Simpson, BSc, ScD, FRSE1989/90	122	1
Sizewell B and the Future,			<b>DSC, SCD, FASE</b> 1969/90	133	1
by Paul Smith, BSc, CEng, MIMechE1994/95	138	. 8	1991		
		Ŭ	Environmental Technology Development:		
Tidal Power Generation in the Severn Estuary,		٠.	Presidential Address by Ian C Broadley,		
by Dr R H J Sellin, BSc, PhD, MICE,			BSc, CEng, FInstP1991/92	135	1
CEng1982/83	126	91			
Wind Turbines,	7 .		1993		
by George Elliot1986/87	130	9	Development of Naval Machinery and	127	1
			YARD Ltd, by Jan Neumann CBE, FEng1993/94	137	1
Presidential Addresses			1995 Ship Safety	٠.	
1957 – Steam The Present Status of Steam,			Ship Safety and Public Concern,		
Presidential Address by Prof. J Small,			Presidential Address by Professor D Faulkner,		
DSc, PhD	101	1	DSc, FEng1995/96	139	1
1959 – Education					
Reflections on Apprenticeship and Student			1997 Shipbuilding		
Apprenticeship, Presidential Address by Prof.			A Look Back at the Past 50 Years of Shipbuilding		
J Small, DSc, PhD1958/59	102	1	on the River Clyde, Presidential Address by Sir		
1959			Robert Easton, CBE, DUniv, CEng1997/98	141	1
Presidential Address, by J Brown, BSc1959/60	103	1	Propulsion		
1960			Aero Gas Turbine Marine Propulsion Systems,		
Presidential Address, by J Brown, BSc1960/61	104	1	by HH Malleson and J Maclachlan1972/73	116	239
1963					
The Optimum Utilisation of our Scientific			Application of Quality Control to Material		
and Technical Resources, Presidential Address			and Components, for Medium-Speed		
by Prof A S T Thompson, DSc, PhD1963/64	107	1	Diesel Engines, by P L Britton, BSc1965/66	109	229
1965					
Challenge and Opportunity for the Shipbuilding			Axial Vibration in a Single-Screw Cargo Ship,		
Industry, Presidential Address by	100	4	by A J Johnson, BSc (Eng) and W McClimont, BSc1960/61	104	13
James Lenaghan, CBE1965/66	109	1	W McChinont, BSC1900/01	104	13
1967		-	Cavitation Tunnel Tests with Merchant		
Presidential Address by W P Walker1967/68	111	1	Ship Propellers, by H Lindgren1960/61	104	283
1969					
Presidential Address by J W Atwell, MSc,	112		Cycloidal Voith-Schneider Propulsion,		
FRSE	113	. 1	by Capt. E C Goldsworthy and		
1971			A Betts-Brown1957/58	101	99
Presidential Address by W M Cormie, OBE, BSc1971/72	115	1	Davidanments in Marine Steam Turking Decim		
	113	1	Developments in Marine Steam Turbine Design, by T W F Brown, CBE, DSc, SM1960/1	104	82
1973 Presidential Address by J Burton Davies1972/73	117	1	27 x 11 x 2201129 Caran 2009 Data 1111111111111111111111111111111111	107	. 02
	11/	1	Diesel Electric Ship Propulsion in Germany,		
1975 Precidential Address by Prof A W Scott CRF			by H Jung, Dipl.Ing1961/2	105	185
Presidential Address by Prof A W Scott, CBE, PhD, BSc, CEng1975/76	119	1			
, <u></u>	117	1	Factors Influencing the Choice of Propulsion		
1977 An Engineer's Degrees ibility: Presidential Address			Machinery and Control, by K Steyert, and		
An Engineer's Responsibility: Presidential Address, by W G N Geddes, BSc, FRSE, CEng1977/78	121	1	J M Thomson1976/77	120	69
•	1-1	*	Lorgo Ctoom Turkings for Today and Tonas		
1979 Presidential address by Dr B N Baxter1979/80	123	1	Large Steam Turbines for Today and Tomorrow By B A Marlow, MA, CEng, FIMechE, FIEE1988/99	142	53
· ·	120	. 1	DJ D A PIMILOT, MA, CENE, PRICCIP, PREE1700/77	172	55
1981 Matamamhasia Presidential Address by			Long Life Marine Gas Turbines,		
Metamorphosis, Presidential Address by J A Turner, BSc, CEng1981/82	125	1	by J A Turner, BSc and R Coats, CEng1970/71	114	40
	123	•			
1983 Shipbuilding A Family Shipbuilding History and Some Pointers			Marine Diesel Engines: Some Comments		
for the Future, Presidential Address by A M M			on Current Trends, by C C Pounder1962/63	106	105
Stephen, BA, CEng1983/84	127	1	n 11 10.1 (1 7		
			Problems and Solutions Encountered in Medium	100	25770
1985 Design			Speed Installations, By C Archer1979/80	123	35/79
The Importance of Engineering Design,			Propeller Blade Strength,		
Presidential Address by Professor John Rorke, CBE, BSc, PhD, CEng1985/86	129	1	by L Sinclair, CEng1975/76	19	. 27
	147	1	~,		

Year	Vol	Page	Year	Vol	Page
Recent Progress in the Design of Large	VOL.	rage	Results of Some Systematic Stability Calculations,	VOI.	i age
Steam Turbines, by F R Harris, ACGI,	,		by Prof. C W Prohaska, DSc1960/61	104	211
BSc(Eng), CEng, FIMechE, Mem.ASME1978/79	122	1			
Designation and Describing of Single garage			Ship Management		-
Resistance and Propulsion of Single-screw Coasters, Part IV, L/B= 5 1/2 by			Formal Safety Assessment Shipping,		
J Dawson, BSc1958/59	102	263	by J A Abbott, CEng MIMarE, MsaRS		
			and C Rettie, Ceng, MIMarE1999/2000	143	41
Sulzer Engine Diagnostic System,			Compaging on Tuesda in World Chinning Demond		
by Dr M K Eberle1975/76	119	77	Symposium on Trends in World Shipping Demand  - Trends in Fishing Vessel Developments,		
The Stork Marine Diesel Engine,			by L S Smith1969/70	113	40
by Ir A Hootsen and E A van der Molen1958/59	102	164	<b>5</b> , <b>5</b> , <b>5</b> , <b>5</b> , <b>6</b> , <b>6</b> , <b>7</b>	110	
·			Ship Repair		
Turbine Propelling Machinery,			Recent Developments in the BSRA 'BRITSHIPS'		
by Sir Eric Yarrow, Bart, MBE and E Norton, CBE, BEM1966/67	110	267	System, by J E Chadbund, BEng, CEng and		
CDE, DEM	110	207	M N Parker, BEng, CEng1973/74	117	221
Pumps			Ship Restoration		
Barrel Casing Pumps, Reliability and Ease of			Long Term Slipping of the Clipper Ship Carrick,	•	
Maintenance by T O Leith, BSc, CEng,	110	20	ex City of Adelaide, by F M Walker, BSc, CEng,		
and A Duncan, BSc, CEng1974/75	118	39	FIES, Crawford MacCalman, CEng, and Roger K		
Railway Engineering			Sparkes, BSc, CEng1994/95	138	138
. Advanced Passenger Train - Design and					
Operating Experience by K Taylor1981/82	125	43	Shipbuilding		
Engineering Aspects of 25-kV Overhead a.c.			Accuracy of Numerical Integration of Ship	105	
Railway Electrification, by A Watt,			Calculations, by N S Miller, BSc1963/64	107	175
BSc (Eng)1958/59	102	340	Advance Outfitting Related to Warship		
			Construction, by Murray S Easton, MSc19 80/81	124	13
The Future of Railway Research,					
by K H Spring, MSc,PhD, FIEE, FIMechE1971/72	115	8	A Look Back at the Past 50 Years of Shipbuilding		٠
222,		,•	on the River Clyde, Presidential Address by Sir		
The Quiet Revolution Within British Rail -			Robert Easton, CBE, DUniv, CEng1997/98	141	1
ScotRail Provincial – Vision for Success,	122	41	An Approach of Designing and Constructing		
by C R Leah	133	41	Dynamically Positioned Drill Ships,		
Refrigeration			by J D Bax1975/76	119	- 53
Refrigerating Plant for Very Large Marine Air		•			
Conditioning Installations,	100	~ 4	Bow Geometry and Bottom Separation,		•
by E G Russell Roberts1959/60	103	54	by R Davidson, BSc1968/69	112	94
Thermosyphon Cooling,			C AC UT		
by A B Pearson, BSc, BEng, CEng,			Capsizing of Small Trawlers,	122	71
MIMechE, MInstR 1991/92	135	53	by A Morrall, BSc, PhD, CEng1978/79	122	71
Decemb			Comparative Container Ship Designs		
Research Mechanical Engineering Research Laboratory:			(Evolution and Future Concepts),		
Work of the Mechanisms, Engineering			by P R Salisbury, BSc, CEng1967/68	111	198
Metrology and Noise Control Division					
by C Timms DEng1957/58	101	317	Conference on Shipyard Production Problems		
The National Engineering Laboratories and their			- Network Analysis in the Planning and Control	10€	221
Role in Fostering Industrial Innovation,	•		of Shipbuilding, by S Lambourn, BA1962/63	106	231
by F D Penny, BSc(Eng), CEng, FRSE1968/69	112	209	Conference on Shipyard Production Problems		
S. f. r.			- Potential for the Application of Computers		
Safety Identification and Control of Major Hazards in			to Shipbuilding, by G M Mearns, BSc1962/63	106	243
Industry by Miles A Seaman, BSc(Tech),					
CEng, MIChemE, MinstE1991/92	135	33	Conference on Shipyard Production Problems		
0.7			- Shipbuilding Production - A Short Appraisa,	10-	605
Sea Power Commanding the Determent by Commander P			by D B Kimber, OBE, MSc(Eng)1962/63	106	207
Commanding the Deterrent, by Commander P Christmas, RN (No written Paper)1991/92	135		Conference on Shipyard Production Problems		
	255		- Some Thoughts on Installing New Plant and		
Ship Design			Equipment, by P G Hodgkinson	106	219
Applications of Wave Resistance Theory to					
Problems of Ship Design, by Prof.  Dr. Ing G P Weinblum	102	119	Considerations on Propeller Layout from the		
21. IIIg 0 1 (10III)IIIII	102		Engine Builder's Point of View, by J A Smit1967/68	111	230
Control Engineering - a Factor in Ship Design,			Containation to the Dealer of Contains and		
On Taking the Rough With the Smooth, by E V Telfer, DSc, PhD1968/69	112	160	Contribution to the Design of Service Adapted Propellers, by Felix Prochaska	121	7
oj 12 v renei, 1500, rin1300/09	112	100	respectes, by retart toctions a	141	,

<b>'</b>					
Year Design of Ships' Interiors,	Vol.	Page	Year Rekindling a Marine Consciousness and Industry,	Vol.	Page
by Prof M Black, OBE, RDI, and K Bayes1959/60	103	267	by Professor D Faulkner, FEng, PhD, WhSc, BSc, RCNC, CEng1983/84	127	15/37
Designing Ships of the Future, by K G Evans, CEng, FRINA, RCNC1971/72	115	234	Safety of Bulk Carriers, by John M Ferguson1992/93	136	5
Dynamic Loading on Launching Ways and Building Berths, by K V Taylor, BSc(Eng), CEng, and M Williams, BSC, CEng1966/67	110	182	The Sinking of SS Titanic – Investigated by Modern Techniques, by C Hackett, BA(Hons), CEng, MRINA, and J G Bedford, BSc(Hons), CEng, FRINA1996/97	140	31
Early Iron Shipbuilding – a Re-appraisal of the Vulcan and other Pioneer Vessels, by Fred M Walker1989/90	133	21	Symposium on Initial Stages in Ship Design – First Approximation to the Dimensions of Large Oil Tankers, by T J Parker1966/67	110	229
Effect of Draught on the Structural Design of the Midship Section of Large Vessels, by N S Miller, BSc1970/71	114	129	Some Applications of the Three-Dimensional Extrapolation of Ship Frictional Resistance, by Ir A J W Lap1957/8	101	369
Effect of Forward Motion on the Transverse Stability of a Displacement Vessel, by A M Ferguson, and Prof J F C Conn, DSc1969/70	113	215	Some Considerations Leading to the Design and Construction of MS Sagafjord, by K Haug, BSc1965/6	109	193
Estimating Preliminary Dimensions in Ship Design, by D G M Watson, BSc1961/2	105	110	Standards of Ship Performance, by D I Moor, BSc, CEng1973/74	117	13
Fast Ferries – a Transport Revolution, by Andrew Bailey, FBM Design1997/98	141	17	Strength and Stiffness of Scalloped Stiffeners Determined by Full-Scale Tests at Glengarnock, by K.V Taylor, BSc (Eng)		12
Hydrofoils, a Review of their History, Capability and Potential, by D K Brown, MEng, CEng, FRINA, RCNC1979/80	123	49/83	and M.N Parker, BEng	101	13 267
Large Bulk Carriers, by J M Murray, MBE, BSc1964/65	108	203	Symposium on Initial Stages in Ship Design  – PreliminaryDesign by Computer, by A W Gilfillan, BSc1966/67	110	252
Launch of the Great Eastern and the Aftermath, by Donald A, Forbes, BSc, CEng1992/93	136	45	Tests on Bracketless Knees, by Prof. S C Redshaw, DSc		
Long Term Slipping of the Clipper ship Carrick, ex City of Adelaide, by Fred M Walker, BSc, CEng, FIES, Crawford MacCalman, CEng, and Roger K Sparkes, BSc, CEng1994/95	120		and H Shakir-Khalil, PhD1966/67  Welded Ship Construction – Records of Common Fractures and their Causes,	110	291
Mammoth Ships, by Prof J F C Conn, DSc1969/70	138	263	by H R Gibbs, and G M Boyd1957/8  Why Do Trawlers Capsize? by Prof R Bishop, CBE, FEng, FRS	101	282
New Class of Economy Offshore Supply Ships, by by I E Burrows, BA, CEng, MIMarE, MCIT,			and W G Price, PhD, DSc(Eng)1981/82 Shipbuilding: Corrosion	125	7
MCMS, MIES, MInstP1983/84  Observations on the Attainment of Quality in	127	19	Modern Protective Coatings for Ships' Hulls by E G Tucker and R P Hanson1965/66	109	82
Shipbuilding, by D B Kimber, OBE, MSc(Eng)1964/65 On the Dangers of Trim by the Bow,	108	181	Shipbuilding: Design  Some Ship Design Methods, by D G M Watson, BSc, CEng, and A W Gilfillan, MSc, CEng1976/77	120	279
by Professor R E D Bishop, W G Price, and P Temarel1988/89	132	9	Shipbuilding: Electrical Engineering Lloyd's Rules for Electrical Equipment of Ships: Some Underlying Considerations	105	02
On the Vibration Amplitudes of Ships' Hulls, by A J Johnson, BSc(Eng), PhD, P W Ayling, BSc and A J Couchman, BSc1961/62	105	301	by D Gray, BSc	105	83
Operating Experience of Large Container Vessels – Joint Meeting with RINA, by M Meek, BSc, CEng1974/75	118	55	(Joint Paper with RINA), by Dr A G Spyrou, BSc, LLD, CEng1993/94	137	11
Performance of Fishing Vessels and their Machinery, by R Bennet, BSc1966/67	110	111	Shipbuilding: Nuclear Power Safety in Nuclear Ships, by F R Farmer, BA1963/64	107	303
Rational Assessment of Ship Reliability and Safety, by D S Aldwinckle, BSc, PhD (Fellow)			Shipbuilding: Repair Recent Developments in the BSRA 'BRITSHIPS' System, by J E Chadbund, BEng, CEng		
and R V Pomeroy, MA, MIMechE1982/83	126	13	and M N Parker, BEng, CEng1973/74	117	221

Year	Vol.	Page	Year	Vol.	Page
Shipbuilding: Warships			Silos		
Aspects of Submarine Design,			Silos and their Failures,		
by Professor Louis Rydill, OBE, FEng,	-		by Dr Reuben F McLean, MSc, PhD, CEng1980/81	124	31
FRINA, RCNC1995/96	139	59			
•			Simulator		
Development of Naval Machinery and			Interactive Low Cost Training Simulators,		
YARD Ltd, by Jan Neumann, CBE, FEng1993/94	137	. 1	by A F McWhirter1989/90	133	59
TAKE Date, by Jan Heamann, CDE, Fing1773777	. 137	*			
Engineering Review of Steel and Alloy			Snow Plough		
Supertructures on Surface Warships,			Pedestrian-Controlled Snow Plough,		
* · · · · · · · · · · · · · · · · · · ·			by M D Bennett1964/5	108	139
by R D Toman, DipNA, MIEAust.					
Joint Meeting with RINA1987/88	131	11	Strength of Materials		
			Fracture Avoidance in Welded Steel Structures.	•	:
Quality in Warships,			Are Recent Test Standards Useful to Industry?		
by Capt. W A Haynes, OBE, RN1965/66	109	149	by Dr J D Sumpter, BSc, MSc, PhD1992/93	136	39
Restructuring the Manufacturing Process of			On the Mechanisms of Ductile Fracture in High		•
Modern Warships, by A Walker and			Strength Steels, by J W Hancock, BSc, PhD and	,	
J McClusky, of Yarrow Shipbuilders Ltd1997/98	141	51	A C Mackenzie, BSc, SM, PhD, CEng1973/74	117	61
*	-		. , , , ,		
The 50 Man Frigate,			Stress Analysis		
by K A Figg	132	9	Stress in Components and Structures,		
by 1111 1156	1,52		by J R Dixon, BSc, PhD, CEng1970/71	114	78
The Type 23 Frigate					
The Type 23 Frigate, by R W S Easton CBE1985/86	120	45/58	Structural Engineering		
by K W 5 Easton CDE1903/00	129	43/36	An Artist's View of Structural Design,		
Week's Constanting the Management			by Professor Ian A Macleod, PhD, FICE,		
Warship Construction - the Management		_	FIStrE, CEng and M McCulloch, Dip Art1993/94	137	. 55
of Change, by Murray S Easton, BSc, MSc1990/91	134	5			
			Transport		
Shipping			Public Transport and the Role of the Greater		
The Problem of Time in Shipping Economics,			Glasgow Passenger Transport Executive,		
<b>by J F Denholm</b> 1964/5	108	239	by A F MacKay, FCIT1975/76	119	43
Symposium on Trends in World Shipping Demand			Tunnels		
<ul> <li>Future Trends of Bulk Cargo Carriers,</li> </ul>			The Channel Link (Mini-Symposium)		
by D H Arnold, A G Kay, J F Leckie,			by A F Gueterbock, MA, CEng, MICE1983/84	127	5/33
and B E Prince1969/70	113	77	•		
			Urban Development		
Symposium on Trends in World Shipping Demand			What Future for Glasgow and the West?		
- Trends in the Development of Oil Tankers,			- a Perspective by L B Aitken, BSc1970/71	114	261
by W F Gillespie and A Muir1969/70	113	99			
			Waste Recycling		
Symposium on Trends in World Shipping Demand			One Man's Meat, by A J Robinson,		
- Trends in Dry Cargo and Container Ships,			BSC, PhD, CEng, ARSM, FIMM1972/73	116	239
by T F P Mackenzie, and J W Murray1969/70	113	112			
by I F F Mackenzie, and J W Murray1909//0	113	112	Water Supply		
Compaging on Tonds in Wall China Da			Instrumentation, Control and Automation in the		
Symposium on Trends in World Shipping Demand –			Water Industry, by B T J Morris, BSc, CEng,		
Trends in Ferries and Roll-On Roll-Off Ships,			MIMechE, MIEE, MIWEM1987/88	131	51
by D Dempster, W J McCaul and J G Dorey1969/70	113	57	, ,		
			Water - The Scottish Dimension,		
Marine Casualties Worldwide:			by Donald Davidson,		
(Joint Meeting with IMarE, Scottish Branch).			(West of Scotland Water)1996/97	140	33
by A Galloway. (No Written Paper)1987/88	131		,,		
			Welding		
Symposium on Trends in World Shipping Demand			Explosive Welding, Particularly in Relation to the		
- Trends in World Shipping Demand,			Plugging of Nuclear Reactors, by Prof B Crossland,		
by Prof J F C Conn, DSc1969/70	113	28	CBE, FEng, FRS1981/82	125	31
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		20	,,,	.20	<i>J</i> 1
			•		