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Professor Henry Charnock

Personal and Corporate papers

1953-1995

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Henry Charnock trained as a meteorologist with the Air Ministry during the war, and received an MSc from Imperial College, London. After the World War II, he joined the National Institute of Oceanography (NIO) at Wormley, Surrey, working on wind wave interactions.

In the 1950s, he worked with the Navy on the detection of submarine wakes, and also took part in pioneering studies of deep ocean currents with Dr John Swallow. For three years from 1958, he headed a NATO group in Italy studying the Mediterranean Sea. Between 1966 and 1971, as Professor of Physical Oceanography at the University of Southampton, he led cruises that laid the foundations for the Joint Air-Sea Interaction experiment (1978).

On the retirement of George Deacon in 1971, he was appointed Director of NIO, which subsequently became the Institute of Oceanographic Sciences. In 1978, he returned to Southampton, becoming Head of the Department of Oceanography and later Deputy Vice Chancellor (1983-84).

He was honoured with the presidencies of both the International Union of Geodesy and Geophysics (1971-75) and the Royal Meteorology Society (1982-84), and was elected a Fellow of the Royal Society in 1976. He was awarded a CBE in 1992.

Section 1

Numbered Box titles and files..... 2
-18

Numbered Box titles in numerical order with un-numbered files
(Boxes 1-7) (Boxes numbering 4-5 not used)

Numbered Boxes (No titles) 8-87 with numbered files

Section 2

Combined alphabetical list of box titles , unnumbered and numbered file titles
19 - 28

Box titles are in bold and underlined

Untitled boxes are within the alphabetical sequence under “Untitled”

(Abbreviations and acronyms are in alphabetical order of the abbreviation within
the listing, not under the full title)

Section 3

**Glossary of Abbreviations and
Acronyms**.....28

Section 1

Un-Numbered Files (In Box title/ subject order)

Box title/contents	Date	Box
<u>Box 1</u>		
<u>Institute of Oceanographic Sciences, Deacon Laboratory</u>		
<u>Estimates</u>		1
IOS Estimates	1974/75	1
IOS Estimates	1975/76	1
IOS Estimates	1976/77	1
<u>Box 2</u>		
<u>JOIDES/ DSDP</u>		
2		
JOIDES – Planning Committee Meeting, San Francisco State College	April 1977	2
JOIDES – Planning Committee Meeting, Texas A & M University, College Station	Feb 1977	2
JOIDES – Planning Committee Meeting, Dept Oceanography, University of Washington, Seattle	July 1977	2
JOIDES – Planning Committee Meeting (Logistics), Institute of Oceanographic Sciences, Deacon Laboratory.	1978	2
JOIDES/ DSDP – Geophysics at Scripps Institution of Oceanography, R.B.Kidd (Glomar Challenger)	1974	2
JOIDES/ DSDP - Proposals for N E Atlantic	No date	2
JOIDES/ DSDP – Site proposals (N E Atlantic)	1970 – 1974	2
JOIDES/ DSDP – Spinner Magnetometer for ‘Glomar Challenger’ (Down Hole Logging)	1976	2
<u>Box 3</u>		
<u>IPOD</u>		
3		
IPOD – June 1974 UK Negotiations	1974-1976	3
IPOD Interest – Robertson Research Ltd	1975-1977	3
IPOD UK Site Proposals	1973	3
Royal Society –Discussion Meeting on IPOD 25 February 1976	1976	3
UK Ad-Hoc Group on IPOD Policy	1976-1977	3
UK IPOD Coordinating Committee	1975-1976	3
UK Scientists interest in IPOD	1974-1975	3
<u>Boxes 4-5</u> Numbering 4-5 not used		
<u>Box 6</u>		
<u>Directors Correspondence (General)</u>		
6		
1971	1971	6
1972	1972	6
1973	1973	6

Box 7

<u>Directors Correspondence (General) (continued)</u>		7
1974	1974	7
1975	1975	7
1976	1976	7
(1977-1978 Missing/not present)		

Numbered Files (No box titles)

Box 8

D2			
D2.0	Institute of Oceanographic Sciences, Deacon Laboratory Premises	1971-1973	8
D2.1	National Institute of Oceanography Advisory Committee (NERC Committee)	1971	8
D2.2	NERC/ NIO Executive Committee	1968-1973	8
D2.4	British Oceanographic Data Service	1968-1973	8
D2.4	British Oceanographic Data Service – NERC Meeting, 09 Sept 1970	1970	8
D2.4	British Oceanographic Data Service – NERC Meeting, 14 Sept 1971	1971	8
D2.4.1	Marine Information and Advisory Service (MIAS) Research Proposal (NERC)	1976-1978	8
D2.4.1	Marine Information and Advisory Service (MIAS) (National Oceanographic Data Base) Proposal (NERC)	1976	8

Box 9

D2			
D2.4.1.	NERC – MIAS Proposal (National Oceanography Database)	1975	9
D2.4.1.	NERC – MIAS Research proposal	1976-1978	9

Box 10

D2			
D2.5			
Natural Environmental Research Council Meetings – Papers			
74 th	23 July 1973	1973	10
75 th	21 September 1973	1973	10
76 th	22 November 1973	1973	10
77 th	24 January 1974	1974	10
78 th	28 March 1974	1974	10
79 th	25 April 1974	1974	10
80 th	27 June 1974	1974	1

Box 11

D2.5			
Natural Environment Research Council Meetings – Papers			
81 st	25 July 1974	1974	11
82 nd	27-29 September 1974	1974	11
83 rd	24 October 1974	1974	11
84 th	28 November 1974	1974	11
85 th	30 January 1975	1975	11

Box 12

D2.5

Natural Environment Research Council Meetings – Papers

86 th	27 February 1975	1975	12
87 th	25 March 1975	1975	12
88 th	24 April 1975	1975	12
89 th	25 May 1975	1975	12

Box 13

D2.5

Natural Environment Research Council Meetings – Papers

90 th	24 July 1975	1975	13
91 st	25 September 1975	1975	13
92 nd	23 October 1975	1975	13
93 rd	27 November 1975	1975	13
94 th	29 January 1976	1976	13
95 th	26 February 1976	1976	13
96 th	25 March 1976	1976	13

Box 14

D2.5

Natural Environment Research Council Meetings – Papers

97 th	29 April 1976	1976	14
98 th	24 June 1976	1976	14
99 th	22 July 1976	1976	14
100 th	23 September 1976	1976	14
101 st	28 October 1976	1976	14
102 nd	25 November 1976	1976	14

Box 15

D2.6.1 (Marked *in confidence*)

Natural Environment Research Council, Preparatory Group (A): Earth Sciences – Meetings

June 1971	1971	15
February 1972	1972	15
May 1972	1972	15
April 1973	1973	15
April 1973 (Vessel Programming Meeting, Sea Time Application (File marked D2.6.1 & D2.6.2 Preparatory Groups A & C)	1973	15
December 1974	1974	15
October 1975	1975	15
February 1976	1976	15

Box 16

D2.6.2

Natural Environment Research Council, Preparatory Group (C): Marine Sciences: Physical – Meetings

January 1972	1972	16
October 1972	1972	16
October 1973 (2 folders)	1973	16
December 1973	1973	16
June 1974	1974	16
January 1975	1975	16
July 1975	1975	16

Box 17

D2.6.2

Natural Environment Research Council, Preparatory Group (C): Marine Sciences: Physical – Meetings

December 1975	1975	17
February 1976	1976	17
April 1976	1976	17
October 1976	1976	17
February 1977	1977	17
May 1977	1977	17

Box 18

D2.6.3

Natural Environment Research Council, Preparatory Group (D): Meetings

June 1975	1975	18
July 1975	1975	18
December 1975	1975	18
February 1976	1976	18
July 1976	1976	18
November 1976	1976	18
February 1977	1977	18

Box 19

D2

D2.6.7

Natural Environment Research Council, Preparatory Group (C): Correspondence

1971-1976	19
-----------	----

Box 20

D2

D2.7 (All files marked "D2.7")

D2.7 Natural Environment Research Council, Preparatory Group (C): Preparatory Group C – Joint Meeting with Ministry of Defence (Navy) Research and Development Panel on Oceanography.

1971	20
------	----

D2.7 Preparatory Group C (Marine Sciences) Meeting, January 1971

1971	20
------	----

D2.7 Preparatory Group C (Marine Sciences) Meeting, March 1971

1971	20
------	----

D2.7 Preparatory Group C (Marine Sciences) Meeting, October 1971

1971	20
------	----

D2.7 Preparatory Group C (Marine Sciences) Meeting, 14 March 1972

1972	20
------	----

D2.7 Preparatory Group C (Marine Sciences) Meeting, December 1972

1972	20
------	----

D2.7 Preparatory Group C (Biology) Meeting, March 1973

1973	
------	--

Box 21

D2.8

Natural Environment Research Council, Oceanography and Fisheries, Institute of Coastal Oceanography and Tides (ICOT) Committee, Meetings

1 st Meeting, 2 June 1969	1969	21
2 nd Meeting, 30 October 1969	1969	21
3 rd Meeting, 2 March 1970	1970	21
4 th Meeting, 5 November 1970	1970	21

D2.8		
Natural Environment Research Council, Institute of Coastal Oceanography and Tides (ICOT) – (NERC Bidston)		
ICOT Advisory Committee Meetings		
1 st Meeting, 28 March 1972	1972	21
2 nd Meeting, 27 September 1972	1972	21
3 rd Meeting, 28 March 1972	1972	21
4 th Meeting, 30 October 1972	1972	21
5 th Meeting, 15 March 1973 and 12 April 1973	1973	21

Box 22

D2.

Natural Environment Research Council		
D2.9 NERC - Inter-Laboratory Committee	1969-1970	22
D2.10 NERC - Meteorological Services Committee	1969-1971	22
D2.11 NERC – General Correspondence A-D	1969-1977	22
D2.11 NERC – General Correspondence E-K	1969-1977	22

Box 23

D2

Natural Environment Research Council		
D2.11 NERC – General Correspondence L-R	1969-1977	23
D2.11 NERC – General Correspondence S-Z	1969-1977	23
D2.11.I NERC – Research Grants	1972-1974	23

Box 24

D2

Natural Environment Research Council, Research Vessels Group		
D2.13 NERC Research Vessels Committee and Advisory Programming Panel. Meetings		
(All files marked D2.13)		
Meeting, 1 st , 30 July 1970	1970	24
Meeting 2 nd (No file, (if meeting took place))		
Meeting, 3 rd , 4 May 1973	1973	24
NERC Research Vessels Committee, Meetings		
(All files marked D2.13)		
Meetings 1 st -6 th (No files, (if meetings took place))		
Meeting, 7 th , 1 October 1968	1968	24
Meeting, 8 th , 28 April 1969	1969	24
Meeting, 9 th , 22 January 1970	1970	24
Meeting, 10 th , 28 October 1970	1970	24
Meeting, 11 th (No file, (if meeting took place))		
Meeting, 12 th , 7 May 1972	1972	24

Box 25

D2

Natural Environment Research Council, Research Vessels Group		
D2.13.1 NERC Research Vessels Programming.	1972-1976	25
D2.13.I NERC Research Vessels, General NERC Committees, Research Vessel Base	1969-1971	25
D2.13.II “ “ “ “	1972-1975	25
D2.13.III “ “ “ “	1975 (continued)-1976	25

Box 26

D2

Natural Environment Research Council

D2.14	NERC – Coordinating Committee – (Wash Estuary Storage) Wash Feasibility Study	1969-1974	26
D2.15	NERC - Working Party on Marine Sedimentation. 1 st Meeting, 21 January 1972	1972	26
D2.15	NERC - Working Party on Marine Sedimentation. 2 nd Meeting, 17 March 1972	1972	26
D2.15	NERC - General Correspondence	1971-1973	26

Box 27

D2

Natural Environment Research Council

D2.16	NERC Computer Personnel, 19 th Meeting, 8 May 1972	1972	27
D2.16	NERC Computer Personnel, 20 th Meeting, 30 April 1975	1975	27
D2.16	NERC Computer Personnel, 21 st Meeting, 18 June 1975	1975	27
D2.16	NERC Computer Personnel, 22 nd Meeting, 23 July 1975	1975	27
D2.16	NERC Computer Personnel, 23 rd Meeting, 15 October 1975	1975	27
D2.16	NERC Computer Personnel, 24 th Meeting, December 1975	1975	27
D2.16	NERC Computer Personnel, 25 th Meeting, 4 February 1976	1976	27
D2.16	NERC Computer Personnel, 26 th Meeting, 31 March 1976	1976	27
D2.16	NERC Computer Personnel, 27 th Meeting, 31 July 1976	1976	27
D2.16	NERC Computer Personnel, 28 th Meeting, 6 October 1976	1976	27
D2.16.1	NERC Computer requirements – computer modelling and data logging	1965-1971	27
D2.16.1	NERC Sub-committee on computer communications	1975	27
D2.16.2	NERC Daresbury Computer Advisory Committee	1975	27
D2.16.3	NERC Computer Sub-Committee on Computer Graphics	1973	27

Box 28

D2

Natural Environment Research Council

2.17	NERC Working Group on Underwater Acoustics	1970-1972	28
2.18/1	NERC Institution of Professional Civil Servants	1967-1974	28

Box 29

D2

Natural Environment Research Council

D2.20	NERC Administration Correspondence	1967-1968	29
D2.20	NERC Administration Correspondence	1969	29
D2.20	NERC Administration Correspondence	1970	29
D2.20	NERC Administration Correspondence	1971	29
D2.20	NERC Administration – NERC Business	1965-1968	29

Box 30

D2

Natural Environment Research Council

D2.20	NERC Administration Correspondence	1972-1977	
	Section 1-33		30
	Section 34-55		30
	Section 56-82		30

Box 31

D2

Natural Environment Research Council

D2.20	NERC Administration Correspondence	1972-1977	
	Section 83-105		31
	Section 106-117		31
	Section 118-143		31
	Section 144-161		31

Box 32

D2

Natural Environment Research Council

D2.20	NERC Administration Correspondence	1972-1977	
	Section 162-181		32
	Section 182-197		32
	Section 198-214		32
	Section 215-233 (Missing? Not present)		
	Section 234		32

Box 33

D2

Natural Environment Research Council

D2.21	NERC Working Party on Ocean Circulation	1971-1972	33
D2.22.I	NERC Forward Looks	1967-1972	33
D2.22.2I	NERC Financial Estimates	1971-1977	33
D2.23.1I	NERC Annual Report- Correspondence	1971-1977	33
D2.23.1II	NERC Institute of Oceanographic Sciences, Deacon Laboratory. Annual Report – Correspondence	1975	33

Box 34

D2

Natural Environment Research Council

D2.25	NERC Standing Committee on Ocean Data Stations. (SCODS) Correspondence	1971-1976	34
D2.25	NERC SCODS 1 st Meeting, 12 January 1972	1972	34
D2.25	NERC SCODS 2 nd Meeting, 22 November 1972	1972	34
D2.25	NERC SCODS 3 rd Meeting, 17 August 1973	1973	34
D2.25	NERC SCODS 4th Meeting, 16 December 1974	1974	34
D2.25V	NERC Committee on Marine Technology – Cabinet Working Party on Marine Science and Technology	1971-1972	34
D2.28I	NERC The seabed – legal aspects	1968-1974	34
D2.29	NERC NERC Oceanography and fisheries Committee – Edinburgh Visiting Group Report (Scottish Marine Biological Association (SMBA))	1967	34
D2.30	NERC Oceanography and Fisheries Committee – Whale Research Unit Group Report. Visit to National Institute of Oceanography (NIO), Whale Research Unit, British Museum, Natural History	1968	34

Box 35

D2

Natural Environment Research Council

1st File

D2.31	NERC Directors' Meeting, 7 th , 24 January 1972	1972	35
D2.31	NERC Directors' Meeting, 8 th , 11 April 1973	1973	35
D2.31	NERC Directors' Meeting, 9 th , 18 July 1973	1973	35
D2.31	NERC Directors' Meeting, 10 th , 14 November 1973	1973	35
D2.31	NERC Directors' Meeting, 11 th , 30 January 1974	1974	35
D2.31	NERC Directors' Meeting, 12 th , 17 July 1974	1974	35
D2.31	NERC Directors' Meeting, 13 th , 20 November 1974	1974	35

2nd File

D2.31	NERC Directors' Meeting, 14 th , 19 March 1975	1975	35
D2.31	NERC Directors' Meeting, 15 th , (Not present/Missing?)		

D2.31	NERC Directors' Meeting, 16 th , 7 November 1975	1975	35
-------	---	------	----

3rd File

D2.31	NERC Directors' Meeting, 17 th , 10 March 1976	1976	35
D2.31	NERC Directors' Meeting, 18 th , 16 June 1976	1976	35
D2.31	NERC Directors' Meeting, 19 th , 10 November 1976	1976	35
D2.31	NERC Directors' Meeting, 20 th , 15 June 1977	1977	35
D2.31	Rothschild/Dainton Report ("A framework for Government Research and Development CMD 4814. HMSO 1971") – Press Comments	ND	35

Box 36

D2

Natural Environment Research Council

D2.32	NERC - Booklets – Miscellaneous	1975	36
D2.39	NERC – Working Party on World Climatology	1975-1976	36
D2.40	NERC – Working Group/Party on Marine Biochemistry	1971-1972	36
D2.44	NERC - Institute of Marine Biochemistry	1973-1975	36
D2.45	NERC - Publications (copies) Series B, 4, 1972.	1972	36
	Publications (copies) Series C, 8,9,11. 1974	1974	36
	Publications – Working Party on Applied climatology Report (Pre-Publication copy (1972))	1972	
D2.46	NERC – 'PREST' (Policy Research in Engineering Science and Technology) (EEC) Group on Oceanography	1973	36
D2.49	NERC - MSES (Marine Scientific Equipment Service) Panel	1975-1977	36
D2.50	NERC - Consortium for Tides and Surges	1975-1976	36
D3.11	NERC - Science Research Council	1971-1978	36

Box 37

D4

COST (Cooperation in the Field of Science and Technology)

	COST - Draft/ Amendments/ Agreements	1971-1977	37
--	--------------------------------------	-----------	----

Box 38

D4

COST (Cooperation in the Field of Science and Technology)			
D4.1/1	COST - Ocean data buoys (UK 1 Project)	1971-1976	38
D4.1/2	COST - Instrument Laboratory (NDS) (File empty)		
D4.1/3	COST - GLORIA	1971-1976	38
D4.1/4	COST - General Acoustics (BSMC)	1976	38
D4.1/5	COST - Tide Guages	1972	38
D4.1/6	COST - Section for Wave Data (and Application)	1968-1973	38
D4.1/7	COST - Tele Sounder	1973	38
D4.1/8	COST - Environmental Data for offshore structures - Advisory Group on Environmental Data for Offshore Structures (AGEDOS) (later: Advisory Group on Environmental Forces (AGEF))	1973-1976	38
D4.1/1(i)	COST - NERC – N10. 1 st Quarterly Report to the Committee On Marine Technology. Data Buoy DBI Project April 1972	1972	38

Box 39

D4

COST – Cooperation in the Field of Science and Technology			
D4.1/9. I	Meetings and Correspondence. August-December 1973	1973	39
D4.1/9. II	Meetings and Correspondence. January-July 1974	1974	39
D4.1/9. III	Meetings and Correspondence. August-December 1974	1974	39
D4.1/9. IV	Meetings and Correspondence. January-June 1975	1975	39

Box 40

D4

COST – Cooperation in the Field of Science and Technology			
D4.1/9. V	Meetings and Correspondence. July-October 1975	1975	40
D4.1/9. VI	Meetings and Correspondence. October 1975-February 1976	1975-1976	40
D4.1/9. VII	Meetings and Correspondence. March 1976-January 1977	1976-1977	40

Box 41

D4

D4.3.I	Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory)	1971-1973	41
D4.3.II	Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory)	1974-1975	41
D4.3 III	Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory)	1976	41
D4.3	Institute of Oceanographic Sciences, Deacon Laboratory, Specification for a computer Report DPG/A/SO, November 1973	1973	41
D4.3.1	MSES Computing – Shipboard	1971-1976	41

Box 42

D4			
D4.5/I	Remote Sensing	1971-1976	42
D4.6	Library (National Institute of Oceanography (NIO), later Institute of Oceanographic Sciences, Deacon Laboratory (IOSDL))	1971-1975	42
D4.7	Tides and Surges	1973	42
D4.9	Numerical Forecasting (S.Ishiguro)	1968-1973	42
	PROJECT A3-9 five papers listed below:		
	1) "Outline of PROJECT A3-1" by S.Ishiguro dated 27 October 1971 (Unpublished Mss)	1971	42
	2) "Digital synthesis of step function responses produced by Ishiguro's analogue model of the North Sea." By A.C.Eden dated 22 December 1971	1971	42
	3) Report and plan for Project A3-1, 6 January 1972, Revised 14 January 1972, by S.Ishiguro (Appendix 12 by A.C.Eden)	1972	42
	4) New electronic sea model, Progress Report, January – December 1972, by S.Ishiguro (design) and J.Smithers (experimental work)	1972	42
	5) MSC Ref 1 - An electronic model for tides and storm surges in the North Sea, by S.Ishiguro (N10) (Unpublished manuscript – not dated)	Not dated	42

Box 43

D4			
D4.11	Thorpe, S.A.: Experiments on the stability of stratified shear Flows (1969), 1975 Observations and programme.	1975	43
D4.12	British Oceanographic Data Service	1976	43
D4.14. I	Institute of Oceanographic Sciences – Bidston – Correspondence topics Sections (1)-(29) (File II Missing? Not present)	1973-1974	43
D4.15	Geochemistry – correspondence – Sections (1)-(13)	1971-1976	43

Box 44

D4			
D4.16. I	Institute of Oceanographic Sciences – Taunton – Correspondence, Sections (1)-(28)	1973-1974	44
D4.16. II	Institute of Oceanographic Sciences – Taunton – Correspondence, Sections (29)-(54) & Enclosure	1975-1976	44
D4.17. I	Institute of Oceanographic Sciences – Barry – Correspondence, Sections (1)–(27)	1973-1974	44
D4.17. II	Institute of Oceanographic Sciences – Barry – Correspondence, Sections (28)–(34)	1975-1976	44
D4.20	Institute of Oceanographic Science, Deacon Laboratory - Whale Research Unit – Correspondence, Sections (1)-(24)	1967-1977	44

Box 45

D4			
D4.50	"DSDP Deep SDP Program Plan Review" for the National Science Foundation (USA), 23 April 1973, Contract NSF C-452 (Copy of Publication)	1973	45
D4.50. I	Scripps Institution of Oceanography, JOIDES Project – Correspondence	1971-1973	45
D4.50. II	Scripps Institution of Oceanography, JOIDES Project – Correspondence	1974-1976	45
D4.52	Joint North Sea Wave Analysis Project – JOINSWAP	1975	45
D4.53	'Venice in Peril' Project	1970-1972	45

Box 46

D4

D4.54. I	JONSIS-JONSWAP (Joint North Sea Information Systems Group)	1972-1973	46
D4.54. II	JONSIS-JONSWAP (Joint North Sea Information Systems Group)	1974-1975	46
D4.55	Wave and tidal energy projects 1975-1976	1975-1976	46
	(1) Severn Barrage		
	(2) Mathematical modelling of the Gulfs of Cambay & Kutch		
	(3) Wave energy		
	(4) Severn Estuary Study Group.		

Box 47

D5

D5.1.1	RRS "Discovery" – Fire 1975 and Enquiry 1975-1977	1975-1977	47
D5.3	RRS "Discovery" Cruises and reports – correspondence	1971-1977	47
D5.6.I	Details and chartering of NERC and other vessels by the Institute of Oceanographic Sciences, Deacon Laboratory and Cruise reports, etc	1966-1976	47
D5.7.I	Details of other institutions research ships	1956-1971	47
D5.7.II	Details of other institutions research ships	1972-1976	47
D5.8	Ocean weather ships	Not dated	47
D5.9	Submersibles/ Bathyscapes	1953-1969	47

Box 48

D6

D6.1.1	Introduction of, Oceanography into Universities (UK) – correspondence	1959-1967	48
D6.2.II	Candidates for university degrees – correspondence	1972-1976	48
D6.5.4	Woods Hole Oceanographic Institution – correspondence	1958-1976	48
D6.7	Ministry of Overseas Development, Consultative Panel for Fisheries	1962-1973	48
D6.13	"Report for Department of Trade and Industry and UKAEA – Programme Analysis Unit. PAU R7/73 Navigation and ship operation." Group leader G.I.W.Llewelyn. 1973. Marked Commercial in Confidence Copy of Report	1973	48

Box 49

D7

D7.1.1.1	British National Committee on Oceanic Research File (0)-(21)	1972-1974	49
	File (22)-(36)	1974-1977	49
D7.1.2	Royal Society, British Antarctic Committee on Antarctic Research	1974-1976	49

Box 50

D7

D7.1.3	British National Committee for Biology		
D7.1.3	Agendas	1955-1967	50
D7.1.3	Agendas	1968-1972	50
D7.1.3	Correspondence	1970-1971	50
D7.1.3	Minutes	1955-1972	50

Box 51

D7

D7.1.4	British National Committee for Geodesy and Geophysics.		
D7.1.4	Agendas	1961-1965	51
D7.1.4	Agendas	1966-1967	51
D7.1.4.I	Meetings	1968-1971	51
D7.1.4.II	Meetings	1972-1975	51

Box 52

D7

D7.1.4	British National Committee for Geodesy and Geophysics.		
D7.1.4.I	Correspondence (File marked "to 1961")	to 1961(Pt)	52
D7.1.4.II	Correspondence	1961(Cont)-1968	52
D7.1.4.III	Correspondence	1969-1976	52
D7.1.4.I	BNCGG Meteorology and Atmospheric Science.Panel	1972-1975	52
D7.1.5	BNCGG Air-Sea Interaction Working Group	1971-1972	52
D7.1.9	BNCGG Physical Sciences of the Ocean Sub-Committee	1971-1976	52

Box 53

D7

D7.1.10	Royal Society – Ordnance Survey Committee	1974	53
D7.1.10.I	Royal Society – British National Committee for Geology	1972-1978	53
D7.1.12	Royal Society – Marine Pollution/ Study Group/ Sub-committee	1972-1976	53
D7.1.12	Royal Society – Marine Pollution Sub-committee – Papers	1976	53
D7.1.14	Royal Society – British National Committee – Papers	1973-1976	53

Box 54

D7

D7.1.14.I	Royal Society – British National Committee for International Council of Scientific Unions	1971-1974	54
D7.1.14.II	Royal Society – British National Committee for International Council of Scientific Unions	1975-1976	54
D7.1.16.I	Royal Society – British National Committee for GARP	1971-1975	54

Box 55

D7

D7.1.17.I	Royal Society – Study Group on Pollution in the Atmosphere	1975-1976(Pt)	55
D7.1.17.II	Royal Society – Study Group on Pollution in the Atmosphere	1976(Cont)-1977	55
D7.1.18.I	Royal Society – UNESCO Committee of UK National Commission – Papers	1975	55
D7.1.18.II	Royal Society - UNESCO Committee of UK National Commission – Papers	1976(Pt)	55
D7.1.18.II	Royal Society - UNESCO Committee of UK National Commission - Papers	1976(cont)	55

Box 56

D7

D7.2	Inter-Governmental Oceanographic Commission (IOC), 7 th Session of IOC Executive Council, Bergen, Norway, 21-26 June 1976	1976	56
D7.2	Inter-Governmental Oceanographic Commission (IOC) (UNESCO)...10 th Assembly, 27 October-10 November 1977, Paris. (1st file)	1977	56
D7.2	Inter-Governmental Oceanographic Commission (IOC) (UNESCO)...10 th Assembly, 27 October-10 November 1977, Paris. (2nd file)	1977	56

Box 57

D7

D7.2.	(Inter-Governmental Oceanographic Commission, Files (1) – (72) not present/ missing?)		57
D7.2.vi	Inter-Governmental Oceanographic Commission, Files (73) – (90)	1973-1974(Pt)	57
D7.2.vii	Inter-Governmental Oceanographic Commission, Files (91) – (110)	1974(continued)	57
D7.2.viii	Inter-Governmental Oceanographic Commission, Files (111) - (122)	1975 (Pt)	57

Box 58

D7

D7.2.ix	Inter-Governmental Oceanographic Commission, Files (123) – (132)	1975(continued)	58
D7.2.x	Inter-Governmental Oceanographic Commission, Files (133) - (141)	1975(continued)	58
D7.2.xi	Inter-Governmental Oceanographic Commission, Files (133) - (141)(Dupl Nos) –(153)	1975(continued)- 1976	58

Box 59

D7

D7.2.xii	Inter-Governmental Oceanographic Commission, Correspondence	1976	59
D7.2.xiii	Inter-Governmental Oceanographic Commission, Correspondence	1977	59

Box 60

D7

D7.3	Ministry of Defence, Navy Department, Research and Development Panel on Oceanography	1971-1972	60
D7.4.i	ICSC – SCOPE	1971-1973	60
D7.4.ii	ICSC – SCOPE	1974-1974	60
D7.5	MAFF Advisory Committee on Oceanography and Meteorological Research	1972-1973	60

Box 61

D7

D7.7	IAPO/ IAMAP/ IAPSO/ SCORE – Drafts of Committee Meetings	1967-1969	61
D7.7	IAPO/ IAMAP/ IAPSO/ SCORE - Correspondence	1975-1978	61
D7.7.i	IAPO/ IAMAP/ IAPSO/ SCORE - Events 1975-1978	1975-1978	61
D7.7.ii	IAPO/ IAMAP/ IAPSO/ SCORE - Events 1970-1976 Section (1) – (12)	1970-1976	61

Box 62

D7

D7.7.iii	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (13)	1970-1976	62
D7.7.iv	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (14) – (25)	1970-1976	62
D7.7.v	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (26) – (33)	1970-1976	62
D7.7.vi	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (34)	1970-1976	62
D7.7.vii	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (35) – (37)	1970-1976	62
D7.7.viii	IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (38) – (59)	1970-1976	62
D7.7.1	SCOR Ocean Climate Panel WG48	1974-1976	62

Box 63

D7

7.8.i	Global Atmospheric Research Programme (GARP) / GARP Atlantic Tropical Experiment (GATE)	1971-1973 (Pt)	63
7.8.ii	GARP/ GATE -	1973 (continued)	63
7.8.iii	GARP/ GATE -	1973 (continued)	63
7.8.iv	GARP/ GATE -	1973 (cont) -1975	63
7.8.v	GARP/ GATE - (Missing or no file marked?)	No date	63
7.8.vi	GARP/ GATE -	1976-1977	63
7.8.1	FGGE (First GARP Global Experiment) – General Correspondence	1972-1973	63

Box 64

D7

7.8.2	World Meteorological Organisation – Executive Committee Panel for FGGE (First GARP Global Experiment)	1974-1975	64
7.8.2	World Meteorological Organisation – GARP Publications Series, No.11, March 1973	1973	64

Box 65

D7

7.8.2	World Meteorological Organisation – Executive Committee Panel for FGGE (First GARP Global Experiment) Enclosures – GARP Publications: 1) GARP Programme on Numerical Experimentation, Report, No.6, July 1974	1974	65
	2) GARP – Executive Committee in Inter-Governmental on the First GARP Global Experiment, 1 st Session, Geneva, 7-11 October 1974, Draft Papers of Report No.6. Item: 3.2 (b); Item 3.2(c)	1974	65

Box 66

D7

D7.14	Meteorological Research Committee Papers, Ministry of Defence, Air Force Department – Program of Research – Meetings – Progress Reports (File Nos.1-296 not present)		
	Nos.297-310 (Oct 1971- Apr 1972)	1971-1972	66
	Nos.311-320 (May 1972- Sep 1972)	1972	66
	Nos.321-330 (Jun 1972 – Jan 1973)	1972-1973	66
	Nos.331-340 (Feb 1973 - Aug 1973)	1973	66

Box 67

D7

D7.14	Meteorological Research Committee Papers, Ministry of Defence, Air Force Department – Program of Research – Meetings – Progress Reports		
	Nos.341-350 (Sep 1973 – Jan 1974)	1973-1974	67
	Nos.351-363 (Apr 1974 - Oct 1974)	1974	67
	Nos.364-380 (Nov 1974 - Apr 1975)	1974-1975	67

Box 68

D7

D7.14	Meteorological Research Committee Papers, Ministry of Defence, Air Force Department – Program of Research – Meetings – Progress Reports		
	Nos.381-404 (Apl 1975 – Apl 1976)	1975-1976	68
	Nos.405-428 (May 1976 – Sep 1977)	1976	68
	Nos.429-434 (Oct 1977 - Dec 1977)	1977	68

Box 69

D7

D7.14.1.i	Meteorological Research Committee, Instrument and Physical Sub-committee (SCi)	1971-1978	69
D7.14.2.i	Meteorological Research Committee, Synoptic, Dynamical and Climatological Sub-Committee (SCii)	1971-1977	69
D7.14.3	Meteorological Research Committee, Research Grants Sub-Committee (SCiii)	1972-1975	69

Box 70

D7

D7.15	Aeronautical Research Council, Atmospheric Environment Committee	1971-1976	70
D7.16	Second International Congress on the History of Oceanography “Challenger” Expedition Centenary	1972	70
D7.18	British Standards Institution	1974	70
D7.20	MAFF, Flood Protection Research Committee – Ongoing Research – Marked ‘Confidential’ October 1974	1974	70
D7.20	MAFF, Flood Protection Research Committee – Papers – Flood Protection Research Committee - Files (1)-(73) Not present/ missing? Files (74(1)) - (77(20))	1974-1976	70
D7.22	MAFF, Marine Pollution Monitoring Management Group	1975	70

Box 71

D7

D7.30.i	Department of Education and Science – Correspondence – Papers	1961-1967	71
D7.30.ii	Department of Education and Science – Correspondence – Papers	1968-1970	71
D7.30.iii	NATO, Science Committee 1970-1973 (August)	1970-1973	71
D7.30.iv	NATO, Science Committee 1973 (September) – 1974(February)	1973-1974	71

Box 72

D7

D7.25	NATO - Group Magellan	1975-1976	72
D7.30	NATO – Sub-Committee on Oceanographic Research, Science Committee of North Atlantic Council - Proposal on current measurements in the Faeroe- Shetland Channel and in the Straits of Gibraltar, 1961	1961	
72			
D7.30.i	NATO – Fellowship and Grants	1969-1973	
72			
D7.30.iv	NATO - Science Committee	1974-1976	72
D7.30.2	NATO –Sub-Committee on Oceanographic Research	1972-1973	72
D7.30.2	NATO - Sub-Committees Correspondence – 1969 – NATO Science Committee – UK Oceanographic activities	1970	72

Box 73

D7

D7.30.2	NATO – Sub-Committee on Oceanographic Research, Minutes of Meetings 1968	1968	
73			
D7.30.2	NATO – Sub-Committee on Oceanographic Research, Minutes of Meetings 1969	1969	
73			
D7.30.2	NATO – Sub-Committee on Oceanographic Research, General Correspondence	1967-1968	
73			

Box 74

D7

D7.30.2	NATO - Sub-Committee on Oceanographic Research, Minutes of Meetings 1970	1970	
74			
D7.30.3	NATO - Sub-Committee on Military Oceanography (Restricted)	1968-1970	
74			
D7.30.4	NATO - Explanatory Group on Oceanography	1973	
74			

Box 75

D8

D8.1	Lectures by Henry Charnock	Various	
75			
D8.6.i	Symposia, Conferences and International Meetings (Sections 1-20 Missing/ not present) (H.Charnock attended)	Various	
75			
D8.6.ii	Symposia, Conferences and International Meetings (Sections 21-42) (H.Charnock attended)	Various	
75			
D8.6.iii	Symposia, Conferences and International Meetings (Sections 43-63) (H.Charnock attended)	Various	
75			

Box 76

D9

D9.1.1A	Publication of the 'Encyclopedia of the Sea' – Publisher's Correspondence	1971-1975	
76			
D9.1.1B	Publication of the 'Encyclopedia of the Sea' – contributors – Correspondence	1971-1975	
76			

D9.3ii 76	(H.Charnock) Publications, Reviews etc., books, journal articles, papers submitted for publication	1973-1975(Feb)	
D9.3iii 76	(H.Charnock) Publications, Reviews etc., books, journal articles, papers submitted for publication	1975 (Mar) -1977	

Box 77

D10

D10.2 77	General enquiries for Information (Sections 1-109 missing/not present) Sections 110-141)	1974-1978	77
D10.4ii 77	Visitors to the National Institute of Oceanography 1972-1974 (1975 missing/not present)	1972-1974	
D10.4iii 77	Visitors to the Institute of Oceanographic Sciences, Deacon Laboratory, 1976. (1977,1978 missing/not present)	1976	

Additional items added (in numerical file order)

Box 78

D1 to D2

D1.3.3 78	MIAS – Report questionnaire- educational material – Schools.	1978-1979	
D1.3.3 78	MIAS - Correspondence	1976-1978	
D1.10.2 78	RRS “Discovery” Papers on Fire on RRS Discovery, November 1975	1975-1978	
D2.1a 78	Natural Environment Research Council, Preparatory Group (A), Correspondence	1971-1979	
D2.1a 78	Natural Environment Research Council, Preparatory Group (F), Correspondence	1975	

Box 79

D2

D2.1.1 79	NERC – Correspondence	1970-1977	
D2.2.2.1 79	NERC - Research Vessels Programming, Agenda/Minutes	1973-1978	
D2.4.1.1 79	NERC - Commissioned Research	1976-1979	
D2.4.3 79	NERC- Lucas Working Party (Includes NERC Director's submission	1976-1977	

Box 80

D2

D2.4.5 80	NERC - Annual Report, Correspondence	1977-1978
D2.5 80	NERC - Report of Wansbrough-Jones Working Party on Committee Structures 6 July 1970	1970
D2.8.3 80	NERC - Tides and Surges Consortium, Correspondence	1977-1978(Apl)
D2.8.3 80	NERC - Tides and Surges Consortium, Correspondence	1978(May)-1980
D2.8.3 80	NERC - Tides and Surges Consortium, 2 ND Meeting, 2 November 1976	1976
D2.8.3 80	NERC - Tides and Surges Consortium, 3rd Meeting, 9 September 1979	1979
D2.8.3 80	NERC - Tides and Surges Consortium, 5th Meeting, 30 April 1979	1979

Box 81

D2

D2.8.7 81	NERC – A.C.I.O.A	1978
D2.11.II 81	NERC - Research Grants	1974-1978
D2.16 81	NERC - Preparatory Group C, 30 th Meeting 16 February 1978	1978
D2.16.3 81	NERC - Computer Committee, 30 th Meeting, 25 January 1977	1977
D2.16.II 81	NERC - Computing Correspondence	1972-1977
D2.16.4 81	NERC – Sub-Committee on Computing Policy, 5 th Meeting, 15 December 1976	1976

Box 82

D2

2.16.4 82	NERC – Sub-Committee on Computing Policy, Correspondence	1977
2.18/2 82	NERC - Departmental Whitley Council	1966-1976
2.18/3 82	NERC – Local Whitley Council/Committee	1969-1976
2.20.I 82	NERC - Administration (Files 215-228)	1974-1978

Box 83

D2-D4

D2.20.II 83	NERC - Administration (File 229)	1978
D3.2.8 83	Hydraulics Research Station	1971-1972
D3.6 83	Ministry of Defence, Hydrographic Department	1962-1975
D3.6 83	Ministry of Defence, Maritime Warfare Advisory Board	1972-1976
D4.1.I 83	Southampton University	1965-1975

D4.1.II Southampton University 1976-1978
83

Box 84

D4-D5

D4.2 Marine Science Laboratories – Menai Bridge 1959-1969
84

D4.3.2 Institute of Oceanographic Sciences, Deacon Laboratory – Data
Processing, Meetings – Data Processing Group – Data
Processing Committee 1974-1975

84

D4.1.9 COST – Papers 1976-1978

84

D4.4 Imperial College 1975

84

D5.1 RRS “Discovery” – General refits 1961-1977

84

Box 85

D5-D6

D5.7 Cambridge University, Committee for Geodesy and Geophysics 1971-1977
85

D6.2.1 CREST (Committee for Research into Science and Technology) 1974-1977

85

D6.4 Science Research Council – Correspondence 1976

85

D6.5.5 Scripps Institute of Oceanography 1971-1976

85

D6.6 Cooperation with other organizations 1967-1973

85

Box 86

D6-D7

D6.10 National Physical Laboratory 1971-1976
86

D7.1.2.III British National Committee on Antarctic Research 1976-1977

86

D7.1.3.I British National Committee for Geology 1971-1977

86

D7.1.10 JASIN Scientific Discussion Group 1973-1976

86

D7.2.1 Inter-governmental Oceanographic Commission (IOC),
10th Executive Council, 19th Meeting, 23 June 1978 1978

86

D7.13.VI NATO Science Committee, Programmes 1976-1978

86

D7.13.VII NATO Science Committee and relevant papers 1978-1979

86

Box 87

D8-D10

D8.2.I Radio and TV Programmes 1972-1978
87

D8.3.IV (Charnock) Symposia, Meetings, attended by H.Charnock 1976-1978

87

D9.1 (Charnock) Publications by H Charnock and about IOS in general 1977-1978

87

D9.2.I Publicity and Exhibitions 1972-Aug 1977

87

D10.1.I Visitors to Institute of Oceanographic Science, Deacon Laboratory 1976-1978

87

Added un-numbered files

Box 88

File name

Date

Section 2

Alphabetical Index of files

(NFN = no file number)

Box	File Name	Year	File No.
	Aeronautical Research Council, Atmospheric Environment Committee	1971-1976	D7.15
	70		
	British National Committee for Biology:		
	Agendas	1955-1967	D7.1.3
50	Agendas	1968-1972	D7.1.3
50	Correspondence	1970-1971	D7.1.3
	50		
	Minutes	1955-1972	D7.1.3
	50		
	British National Committee for Geodesy and Geophysics:		
	Agendas	1961-1965	D7.1.4
	51		
	Agendas	1966-1967	D7.1.4
	51		
	BNCGG Meteorology and Atmospheric Science.Panell	1972-1975	D7.1.4.I
	52		
	BNCGG Air-Sea Interaction Working Group	1971-1972	D7.1.5
	52		
	BNCGG Physical Sciences of the Ocean Sub- Committee	1971-1976	D7.1.5
	52		
	Correspondence (File marked "to 1961")	to 1961(Pt)	D7.1.4.I
	52		
	Correspondence	1961(Cont)-1968	D7.1.4.II
	52		
	Correspondence	1969-1976	D7.1.4.III
52	Meetings	1968-1971	D7.1.4.I
	51		
	Meetings	1972-1975	D7.1.4.II
	51		
	British National Committee on Oceanic Research		
	File (0)-(21)	1972-1974	D7.1.1.I
49	File (22)-(36)	1974-1977	D7.1.1.I
49	British Oceanographic Data Service	1968-1973	D2.4
	8		
	British Oceanographic Data Service – NERC Meeting	09 Sept 1970	D2.4
	8		
	British Oceanographic Data Service – NERC Meeting	14 Sept 1971	D2.4
	8		

British Oceanographic Data Service 43	1976	D4.12
British Standards Institution 70	1974	D7.18
Candidates for university degrees – correspondence 48	1972-1976	D6.2.II
Charnock, H: Lectures SEE: Lectures by H.Charnock (H.Charnock) Publications, Reviews etc., books, journal articles, papers submitted for publication 76	1973-1975 (Feb)	D9.3ii
(H.Charnock) Publications, Reviews etc., books, journal articles, papers submitted for publication 76	1975 (Mar) -1977	D9.3iii
Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory) 41	1971-1973	D4.3.I
Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory) 41	1974-1975	D4.3.II
Computers – Data Processing (Institute of Oceanographic Sciences, Deacon Laboratory) 41	1976	D4.3 III
COST (Cooperation in the Field of Science and Technology) COST - Draft/ Amendments/ Agreements 37	1971-1977	D4.1
COST - Environmental Data for offshore structures - 38	1973-1976	D4.1/8
Advisory Group on Environmental Data for Offshore Structures (AGEDOS) (later: Advisory Group on Environmental Forces (AGEF))		
COST - General Acoustics (BSMC) 38	1976	D4.1/4
COST - GLORIA 38	1971-1976	D4.1/3
COST - Instrument Laboratory (NDS) (Contents of file missing) 38		

COST – (Cooperation in the Field of Science and Technology):		
Meetings and Correspondence. August-December 1973 39	1973	D4.1/9. I
Meetings and Correspondence. January-July 1974 39	1974	D4.1/9. II
Meetings and Correspondence. August-December 1974 39	1974	D4.1/9. III
Meetings and Correspondence. January-June 1975 39	1975	D4.1/9. IV
Meetings and Correspondence. July-October 1975 40	1975	D4.1/9. V
Meetings and Correspondence, October 1975-February 1976 40	1975-1976	D4.1/9. VI
Meetings and Correspondence. March 1976-January 1977 VII 40	1976-1977	D4.1/9.
Meetings and Correspondence. October 1975-February 1976 40	1975-1976	D4.1/9. VI
Meetings and Correspondence. March 1976-January 1977 VII 40	1976-1977	D4.1/9.

COST - NERC – N10. 1 st Quarterly Report to the Committee On Marine Technology. Data Buoy DBI Project April 1972 38	1972	D4.1/1(i)
COST - Ocean data buoys (UK 1 Project) 38	1971-1976	D4.1/1
COST - Section for Wave Data (and Application) 38	1968-1973	D4.1/6
COST - Tele Sounder 38	1973	D4.1/7
COST - Tide Gauges 38	1972	D4.1/5
Department of Education and Science – Correspondence – Papers 71	1961-1967	D7.30.i
Department of Education and Science – Correspondence – Papers 71	1968-1970	D7.30.ii
Details and chartering of NERC and other vessels by the Institute of Oceanographic Sciences, Deacon Laboratory and Cruise reports, etc 47	1966-1976	D5.6.I
Details of other institutions research ships 47	1956-1971	D5.7.I
Details of other institutions research ships 47	1972-1976	D5.7.II
<u>Directors Correspondence (General)</u> 6		
Directors Correspondence (General) 6	1971	NFN
Directors Correspondence (General) 6	1972	NFN
Directors Correspondence (General) 6	1973	NFN
<u>Directors Correspondence (General) (continued)</u> 7		
Directors Correspondence (General) 7	1974	NFN
Directors Correspondence (General) 7	1975	NFN
Directors Correspondence (General) 7	1976	NFN
Directors Correspondence (General)(1977-1978 Not present/Missing?) “DSDP Deep SDP Program Plan Review” for the National Science Foundation (USA), 23 April 1973, Contract NSF C-452 (Copy of Publication) 45	1973	D4.50
Enquiries – General enquiries for information SEE: General enquiries... FGGE (First GARP Global Experiment) – General Correspondence 63	1972-1973	D7.8.I
GARP Atlantic Tropical Experiment (GATE) 63	1971-1973 (Pt)	D7.8.i
GARP/ GATE - 63	1973 (cont’d)	D7.8.ii
GARP/ GATE - 63	1973 (cont’d)	D7.8.iii
GARP/ GATE - 63	1973 (cont’d)-1975	D7.8.iv
GARP/ GATE - (Missing or no file marked?) 63	No date	D7.8.v
GARP/ GATE - 63	1976-1977	D7.8.vi
GATE see: GARP TROPICAL ATLANTIC EXPERIMENT General enquiries for Information (Sections 1-109 missing?/not present) Sections 110-141) 77	1974-1978	D10.2

Geochemistry – correspondence – Sections (1)-(13) 43	1971-1976	D4.15
Global Atmospheric Research Programme SEE: GARP		
IAPO/ IAMAP/ IAPSO/ SCORE – Drafts of Committee – Meetings 61	1967-1969	D7.7
IAPO/ IAMAP/ IAPSO/ SCORE - Correspondence 1975-1978 D7.7 61		
IAPO/ IAMAP/ IAPSO/ SCORE - Events 1975-1978 61	1975-1978	D7.7.i
IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 – Section (13)	1970-1976	D7.7.iii
62 IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 – Section (14) – (25)	1970-1976	D7.7.iv
62		

21

IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (26) – (33)	1970-1976	D7.7.v
62		
IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (34)	1970-1976	D7.7.vi
62		
IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (35) – (37)	1970-1976	D7.7.vii
62		
IAPO/ IAMAP/ IAPSO/ SCORE/ - EVENTS 1970-1976 Section (38) – (59)	1970-1976	D7.7.viii
62		
ICSC – SCOPE 60	1971-1973	D7.4.i
ICSC – SCOPE 60	1974-1974	D7.4.ii
Institute of Oceanographic Sciences – Barry – Correspondence, Sections (1)–(27)	1973-1974	D4.17. I
44		
Institute of Oceanographic Sciences – Barry – Correspondence, Sections (28)–(34)	1975-1976	D4.17. II
44		
Institute of Oceanographic Sciences – Bidston – Correspondence topics Sections (1)-(29)	1973-1974	D4.14. I
43		
(File II Missing? Not present)		

Institute of Oceanographic Sciences, Deacon Laboratory

Estimates

1		
IOS Estimates	1974/75	NFN
1		
IOS Estimates	1975/76	NFN
1		
IOS Estimates	1976/77	NFN
1		
Institute of Oceanographic Sciences, Deacon Laboratory ,Library SEE: Library		
Institute of Oceanographic Sciences, Deacon Laboratory - Premises 8	1971-1973	D2.0
Institute of Oceanographic Sciences, Deacon Laboratory, Specification for a computer Report DPG/A/SO , November 1973	1973	D4.3
41		
Institute of Oceanographic Sciences, Deacon Laboratory - Whale Research Unit – Correspondence,		

44	Sections (1)-(24)	1967-1977	D4.20
44	Institute of Oceanographic Sciences – Taunton – Correspondence, Sections (1)- (28)	1973-1974	D4.16.I
44	Institute of Oceanographic Sciences – Taunton – Correspondence, Sections (29)-(54)	1975-1976	D4.16. II
44	Inter-Governmental Oceanographic Commission, Correspondence	1976	D7.2.xii
59	Inter-Governmental Oceanographic Commission, Correspondence	1977	D7.2.xiii
59	(Inter-Governmental Oceanographic Commission, Files (1) – (72)not present/ missing?)		
57	Inter-Governmental Oceanographic Commission, Files (73) – (90)	1973-1974(Pt)	D7.2.vi
57	Inter-Governmental Oceanographic Commission, Files (91) – (110)	1974(cont'd)	D7.2.vii
57	Inter-Governmental Oceanographic Commission, Files (111) - (122)	1975 (Pt)	D7.2.viii
57	Inter-Governmental Oceanographic Commission, Files (123) – (132)	1975(cont'd)	D7.2.ix
58	Inter-Governmental Oceanographic Commission, Files (133) - (141)	1975(cont'd)	D7.2.x
58	Inter-Governmental Oceanographic Commission, Files (133) - (141)(Dupl Nos) –(153)	1975(cont'd)-1976	D7.2.xi
58	Inter-Governmental Oceanographic Commission (IOC), 7 th Session of IOC Executive Council, Bergen, Norway, 21-26 June 1976	1976(Cont'd)	D7.2
56	Inter-Governmental Oceanographic Commission (IOC) (UNESCO)..10 th Assembly, 27 October-10 November 1977, Paris. (1st file)	1977	D7.2
56	Inter-Governmental Oceanographic Commission (IOC) (UNESCO)..10 th Assembly, 27 October-10 November 1977, Paris. (2nd file)	1977	D7.2

22

48	Introduction of Oceanography into Universities (UK) – correspondence IPOD – June 1974 UK Negotiations	1959-1967	D6.1.I 1974-1976
	NFN 3		
3	IPOD Interest – Robertson Research Ltd	1975-1977	NFN
3	IPOD UK Site Proposals	1973	NFN
3			
<u>JOIDES/ DSDP</u>			
2	JOIDES – Planning Committee Meeting, San Francisco State College	April 1977	NFN
2	JOIDES – Planning Committee Meeting, Texas A & M University, College Station	Feb 1977	NFN
2	JOIDES – Planning Committee Meeting, Dept Oceanography,		

	University of Washington, Seattle	July 1977	NFN
2	JOIDES – Planning Committee Meeting (Logistics), Institute of Oceanographic Sciences, Deacon Laboratory.	1978	NFN
2	JOIDES/ DSDP – Geophysics at Scripps Institution of Oceanography, R.B.Kidd (Glomar Challenger)	1974	NFN
2	JOIDES/ DSDP - Proposals for N E Atlantic	No date	NFN
2	JOIDES/ DSDP – Site proposals (N E Atlantic)	1970 – 1974	NFN
2	JOIDES/ DSDP – Spinner Magnetometer for 'Glomar Challenger' (Down Hole Logging)	1976	NFN
2	Joint North Sea Wave Analysis Project – JOINSWAP	1975	D4.52
45	JONSIS-JONSWAP (Joint North Sea Information Systems Group)	1972-1973	D4.54. I
46	JONSIS-JONSWAP (Joint North Sea Information Systems Group)	1974-1975	D4.54. II
46			
	Lectures by Henry Charnock	Various	D8.1
75	Library (National Institute of Oceanography (NIO), later Institute of Oceanographic Sciences, Deacon Laboratory (IOSDL))	1971-1975	D4.6
42			
	MAFF Advisory Committee on Oceanography and Meteorological Research	1972-1973	D7.5
60	MAFF, Flood Protection Research Committee – Ongoing Research – Marked 'Confidential' October 1974	1974	D7.20
70	MAFF, Flood Protection Research Committee – Papers – Flood Protection Research Committee - Files (1)-(73) Not present/ missing? Files (74(1)) - (77(20))	1974-1976	D7.20
70	MAFF, Marine Pollution Monitoring Management Group	1975	D7.22
70	Meteorological Research Committee, Instrument and Physical Sub-committee (SCi)	1971-1978	
D7.14.1.i 69	Meteorological Research Committee, Synoptic, Dynamical and Climatological Sub-Committee (SCii)	1971-1977	
D7.14.2.i 69	Meteorological Research Committee, Research Grants Sub-Committee (SCiii)	1972-1975	D7.14.3
69	Meteorological Research Committee Papers, Ministry of Defence, Air Force Department – Program of Research - Meetings – Progress Reports		
	Nos.341-350 (Sep 1973 – Jan 1974)	1973-1974	D7.14
67	Nos.351-363 (Apl 1974 - Oct 1974)	1974	D7.14
67	Nos.364-380 (Nov 1974 - Apl 1975)	1974-1975	D7.14
67	Nos.381-404 (Apl 1975 – Apl 1976)	1975-1976	D7.14
68	Nos.405-428 (May 1976 – Sep 1977)	1976	D7.14
68	Nos.429-434 (Oct 1977 - Dec 1977)	1977	D7.14
68	MIAS Proposal (National Oceanography Database) see: NERC Ministry of Defence, Navy Department, Research and		

60	Development Panel on Oceanography	1971-1972	D7.3
48	Ministry of Overseas Development, Consultative Panel for Fisheries	1962-1973	D6.7
41	MSES Computing – Shipboard	1971-1976	D4.3.1

23

8	National Institute of Oceanography Advisory Committee (NERC Committee)	1971	D2.1
	National Institute of Oceanography, Library SEE: Library		
	NATO - Explanatory Group on Oceanography	1973	
74	D7.30.4		
72	NATO – Fellowship and Grants	1969-1973	D7.30.i
72	NATO - Group Magellan	1975-1976	D7.25
	NATO,- Science Committee 1970-1973 (August)	1970-1973	
71	D7.30.iii		
	NATO, - Science Committee 1973 (September) – 1974(February)	1973-1974	
71	D7.30.iv		
	NATO - Science Committee 1974(March) -1976	1974-1976	
72	D7.30.iv		
	NATO - Sub-Committees Correspondence – 1969 – NATO Science Committee – UK Oceanographic activities	1970	D7.30.2
72			
74	NATO - Sub-Committee on Military Oceanography (Restricted)	1968-1970	D7.30.3
	NATO – Sub-Committee on Oceanographic Research	1972-1973	
72	D7.30.2		
	NATO – Sub-Committee on Oceanographic Research, Minutes of Meetings 1968	1968	D7.30.2
73			
	NATO – Sub-Committee on Oceanographic Research, Minutes of Meetings 1969	1969	D7.30.2
73			
	NATO – Sub-Committee on Oceanographic Research, General Correspondence	1967-1968	D7.30.2
73			
	NATO - Sub-Committee on Oceanographic Research, Minutes of Meetings 1970	1970	D7.30.2
74			
	NATO – Sub-Committee on Oceanographic Research, Science Committee of North Atlantic Council - Proposal on current measurements in the Faeroe- Shetland Channel and in the Straits of Gibraltar, 1961	1961	D7.30
72			
29	NERC -Administration Correspondence	1967-1968	D2.20
29	NERC - Administration Correspondence	1969	D2.20
29	NERC - Administration Correspondence	1970	D2.20
29	NERC - Administration Correspondence	1971	D2.20
	NERC - Administration Correspondence:	1972-1977	D2.20
30			
	Section 1-33	1972-1977	D2.20

30	Section 34-55	1972-1977	D2.20
30	Section 56-82	1972-1977	D2.20
	Section 83-105	1972-1977	D2.20
31	Section 106-117	1972-1977	D2.20
31	Section 118-143	1972-1977	D2.20
31	Section 144-161	1972-1977	D2.20
31	Section 162-181	1972-1977	D2.20
32	Section 182-197	1972-1977	D2.20
32	Section 198-214	1972-1977	D2.20
32	Section 215-233 (Missing)		
	Section 234	1972-1977	D2.20
32			
NERC- 29	Administration – NERC Business	1965-1968	D2.20
NERC - Annual Report- D2.23.11	Correspondence	1971-1977	
33			
NERC - Booklets – 36	Miscellaneous	1975	D2.32
NERC D2.25V	Committee on Marine Technology – Cabinet Working Party on Marine Science and Technology	1971-1972	
34			
NERC- 27	Computer Personnel, 19 th Meeting, 8 May 1972	1972	D2.16
NERC 27	Computer Personnel, 20 th Meeting, 30 April 1975	1975	D2.16
NERC 27	Computer Personnel, 21 st Meeting, 18 June 1975	1975	D2.16
NERC 27	Computer Personnel, 22 nd Meeting, 23 July 1975	1975	D2.16
NERC 27	Computer Personnel, 23 rd Meeting, 15 October 1975	1975	D2.16
NERC 27	Computer Personnel, 24 th Meeting, December 1975	1975	D2.16
NERC 27	Computer Personnel, 25 th Meeting, 4 February 1976	1976	D2.16
NERC 27	Computer Personnel, 26 th Meeting, 31 March 1976	1976	D2.16
NERC 27	Computer Personnel, 27 th Meeting, 31 July 1976	1976	D2.16
NERC 27	Computer Personnel, 28 th Meeting, 6 October 1976	1976	D2.16
NERC 27	Computer requirements – computer modelling and data logging	1965-1971	D2.16.I
NERC D2.16.3	Computer Sub-Committee on Computer Graphics	1973	
27			
NERC - Consortium for 36	Tides and Surges	1975-1976	D2.50
NERC –Coordinating 26	Committee – (Wash Estuary Storage) Wash Feasibility Study	1969-1974	D2.14
NERC - Daresbury D2.16.2	Computer Advisory Committee	1975	
27			
NERC - Financial D2.22.21	Estimates	1971-1977	
33			
NERC - Forward 33	Looks	1967-1972	D2.22.I

NERC – General Correspondence A-D 22	1969-1977	D2.11
NERC – General Correspondence E-K 22	1969-1977	D2.11
NERC – General Correspondence L-R 23	1969-1977	D2.11
NERC – General Correspondence S-Z 23	1969-1977	D2.11
NERC - General Correspondence 26	1971-1973	D2.15
NERC - Institute of Marine Biochemistry 36	1973-1975	D2.44
NERC - Institute of Oceanographic Sciences, Deacon Laboratory. Annual Report – Correspondence D2.23.1.II 33	1975	
NERC- Institution of Professional Civil Servants D2.18/1 28	1967-1974	
NERC - Inter-Laboratory Committee 22	1969-1970	D2.9
NERC - Marine Information and Advisory Service (MIAS) Research Proposal 8	1976-1978	D2.4.1
NERC - Marine Information and Advisory Service (MIAS) (National Oceanographic Data Base) Proposal 8	1976	D4.4.1
NERC - Meteorological Services Committee 22	1969-1971	D2.10
NERC – MIAS Proposal (National Oceanography Database) 9	1975	D2.4.1.
NERC – MIAS Research proposal 9	1976-1978	D2.4.1.
NERC - MSES (Marine Scientific Equipment Service) Panel 36	1975-1977	D2.49
NERC - Natural Environmental Research Council - Meetings – Papers 10		D2.5
74 th 23 July 1973 10	1973	D2.5
75 th 21 September 1973 10	1973	D2.5
76 th 22 November 1973 10	1973	D2.5
77 th 24 January 1974 10	1974	D2.5
78 th 28 March 1974 10	1974	D2.5
79 th 25 April 1974 10	1974	D2.5
80 th 27 June 1974 10	1974	D2.5
81 st 25 July 1974 D2.5 11		1974
82 nd 27-29 September 1974 11	1974	D2.5
83 rd 24 October 1974 11	1974	D2.5
84 th 28 November 1974 11	1974	D2.5
85 th 30 January 1975 11	1975	D2.5
97 th 29 April 1976 14	1976	D2.5
98 th 24 June 1976 14	1976	D2.5
99 th 22 July 1976 14	1976	D2.5
100 th 23 September 1976 14	1976	D2.5
101 st 28 October 1976 14	1976	D2.5

14	102 nd 25 November 1976	1976	D2.5
	NERC - Natural Environment Research Council, Oceanography and Fisheries, Institute of Coastal Oceanography and Tides (ICOT) Committee, Meetings		
	1 st Meeting, 2 June 1969	1969	D2.8
	21		
	2 nd Meeting, 30 October 1969	1969	D2.8
	21		
	3 rd Meeting, 2 March 1970	1970	D2.8
	21		
	4 th Meeting, 5 November 1970	1970	D2.8
21	NERC - Natural Environment Research Council, Institute of Coastal Oceanography and Tides (ICOT) – (NERC Bidston) ICOT Advisory Committee Meetings		
	1 st Meeting, 28 March 1972	1972	D2.8
	21		
	2 nd Meeting, 27 September 1972	1972	D2.8
21			
	3 rd Meeting, 28 March 1972	1972	D2.8
21			
	4 th Meeting, 30 October 1972	1972	D2.8
21			
	5 th Meeting, 15 March 1973 and 12 April 1973	1973	D2.8
21	NERC - Natural Environment Research Council, Preparatory Group (A):		
15	Earth Sciences – Meetings (Marked <i>in confidence</i>)		
	June 1971	1971	D2.6.
15			
	February 1972	1972	D2.6.
15			
	May 1972	1972	D2.6.
15			
	April 1973	1973	D2.6.
15			
	April 1973 (Vessel Programming Meeting, Sea Time Application (File marked "D2.6.1 & D2.6.2 Preparatory Groups A & C")	1973	D2.6.
15			
	December 1974	1974	D2.6.
15			
	October 1975	1975	D2.6.
15			
	February 1976	1976	D2.6.
15			

	NERC - Natural Environment Research Council, Preparatory Group (C): Marine Sciences: Physical – Meetings		
16			D2.6.2
	January 1972	1972	D2.6.2
16			
	October 1972	1972	D2.6.2
	16		
	October 1973 (2 folders)	1973	D2.6.2
	16		
	December 1973	1973	D2.6.2
	16		
	June 1974	1974	D2.6.2
	16		
	January 1975	1975	D2.6.2
	16		
	July 1975	1975	D2.6.2
	16		

17	December 1975	1975	D2.6.2
17	February 1976	1976	D2.6.2
17	April 1976	1976	D2.6.2
17	October 1976	1976	D2.6.2
17	February 1977	1977	D2.6.2
17	May 1977	1977	D2.6.2
17	NERC - Natural Environment Research Council, Preparatory Group (C):		D2.7
	20		
20	Preparatory Group C – Joint Meeting with Ministry of Defence (Navy) Research and Development Panel on Oceanography.	1971	D2.7
20	Preparatory Group C (Marine Sciences) Meeting, January 1971	1971	D2.7
20	Preparatory Group C (Marine Sciences) Meeting, March 1971	1971	D2.7
	20		
20	Preparatory Group C (Marine Sciences) Meeting, October 1971	1971	D2.7
	20		
20	Preparatory Group C (Marine Sciences) Meeting, 14 March 1972	1972	D2.7
D2.7	Preparatory Group C (Marine Sciences) Meeting, December 1972	1972	1972
	20		
20	Preparatory Group C (Biology) Meeting, March 1973	1973	D2.7
18	NERC - Natural Environment Research Council, Preparatory Group (D):		D2.6.3
	18		
	Meetings		
18	June 1975	1975	D2.6.3
18	July 1975	1975	D2.6.3
18	December 1975	1975	D2.6.3
18	February 1976	1976	D2.6.3
18	July 1976	1976	D2.6.3
18	November 1976	1976	D2.6.3
18	February 1977	1977	D2.6.3
18	NERC - Natural Environment Research Council, Research Vessels Group		D2.13
	24		
	NERC Research Vessels Committee and Advisory Programming		
	Panel. Meetings (All files marked D2.13)		
	Meeting, 1st, 30 July 1970	1970	D2.13
	24		
	Meeting 2 nd (No file, (if meeting took place?))		
	Meeting, 3 rd , 4 May 1973	1973	D2.13
	24		
	NERC Research Vessels Committee, Meetings (All files marked D2.13)		
	Meetings 1 st -6 th (No files, Missing?/not present)		
	Meeting, 7 th , 1 October 1968	1968	D2.13
	24		
	Meeting, 8 th , 28 April 1969	1969	D2.13
	24		
	Meeting, 9 th , 22 January 1970	1970	D2.13
	24		
	Meeting, 10 th , 28 October 1970	1970	D2.13
	24		
	Meeting, 11 th (file not present/,Missing? (if meeting took place?))		

	Meeting, 12 th , 7 May 1972	1972	D2.13
	24		
	NERC – NERC Directors’ Meetings:		
	1st File		
	NERC – NERC Directors’ Meeting, 7 th , 24 January 1972	1972	D2.31
	35		
	NERC - NERC Directors’ Meeting, 8 th , 11 April 1973	1973	D2.31
	35		
	NERC - NERC Directors’ Meeting, 9 th , 18 July 1973	1973	D2.31
	35		
	NERC - NERC Directors’ Meeting, 10 th , 14 November 1973	1973	D2.31
	35		
	NERC - NERC Directors’ Meeting, 11 th , 30 January 1974	1974	D2.31
	35		
	NERC - NERC Directors’ Meeting, 12 th , 17 July 1974	1974	D2.31
	35		
	NERC - NERC Directors’ Meeting, 13 th , 20 November 1974	1974	D2.31
	35		
	2nd File		
	NERC - NERC Directors’ Meeting, 14 th , 19 March 1975	1975	D2.31
35	NERC - NERC Directors’ Meeting, 15 th , (Not present/Missing?)		
	NERC - NERC Directors’ Meeting, 16 th , 7 November 1975	1975	D2.31
	35		

	NERC – NERC Directors’ Meetings		
	3rd File		
	NERC - NERC Directors’ Meeting, 17 th , 10 March 1976	1976	D2.31
	35		
	NERC - NERC Directors’ Meeting, 18 th , 16 June 1976	1976	D2.31
	35		
	NERC - NERC Directors’ Meeting, 19 th , 10 November 1976	1976	D2.31
	35		
	NERC - NERC Directors’ Meeting, 20 th , 15 June 1977	1977	D2.31
	35		
	NERC - NERC Oceanography and fisheries Committee – Edinburgh Visiting Group Report (Scottish Marine Biological Association (SMBA))	1967	D2.29
34			
	NERC - NERC Oceanography and Fisheries Committee – Whale Research Unit Group Report. Visit to National Institute of Oceanography (NIO), Whale Research Unit, British Museum, Natural History	1968	D2.30
34			
	NERC – ‘PREST’ (Policy Research in Engineering Science and Technology) (EEC) Group on Oceanography	1973	D2.46
36			
	NERC - Publications (copies) Series B, 4, 1972.	1972	D2.45
36			
	Publications (copies) Series C, 8,9,11. 1974	1974	D2.45
36			
	Publications – Working Party on Applied climatology Report (Pre-Publication copy (1972))	1972	D2.45
36			
	NERC - Research Grants	1972-1974	
D2.11.I	23		
	NERC - Research Vessels Programming.	1972-1976	
D2.13.I	25		
	NERC - Research Vessels, General NERC Committees, Research Vessel Base	1969-1971	
D2.13.I	25		
NERC	“ “ “ “	1972-1975	
D2.13.II	25		

NERC “ “ “ “	1975 (cont'd)-1976	
D2.13.III 25		
NERC - Science Research Council 36	1971-1978	D3.11
NERC - The seabed – legal aspects D2.28I 34	1968-1974	
NERC - Standing Committee on Ocean Data Stations. (SCODS) Correspondence 34	1971-1976	D2.25
NERC - Standing Conference on Ocean Data Stations: (SCODS) 1 st Meeting, 12 January 1972 34	1972	D2.25
(SCODS) 2 nd Meeting, 22 November 1972 34	1972	D2.25
(SCODS) 3 rd Meeting, 17 August 1973 34	1973	D2.25
(SCODS) 4 th Meeting, 16 December 1974 34	1974	D2.25
NERC - Sub-committee on computer communications D2.16.1 27	1975	
NERC - Working Group on Underwater Acoustics D2.17 28	1970-1972	
NERC – Working Group/Party on Marine Biochemistry D2.40 36	1971-1972	
NERC - Working Party on Marine Sedimentation. 1 st Meeting, 21 January 1972	1972	
D2.15 26		
NERC - Working Party on Marine Sedimentation. 2 nd Meeting, 17 March 1972	1972	
D2.15 26		
NERC - Working Party on Ocean Circulation D2.21 33	1971-1972	
NERC – Working Party on World Climatology D2.39 36	1975-1976	
NERC/ NIO Executive Committee	1968-1973	D2.2
Numerical Forecasting (S.Ishiguro): 42	1968-1973	D4.9
PROJECT A3-9 five papers listed below:		
1) “Outline of PROJECT A3-1” by S.Ishiguro dated 27 October 1971 (Unpublished Mss)	1971	D4.9
42		
2) “Digital synthesis of step function responses produced by Ishiguro’s analogue model of the North Sea.” By A.C.Eden dated 22 December 1971	1971	D4.9
42		
3) Report and plan for Project A3-1, 6 January 1972, Revised 14 January 1972, by S.Ishiguro (Appendix 12 by A.C.Eden)	1972	D4.9
42		
4) New electronic sea model, Progress Report, January – December 1972, by S.Ishiguro (design) and J.Smithers (experimental work)	1972	D4.9
42		
5) MSC Ref 1 - An electronic model for tides and storm surges in the North Sea, by S.Ishiguro (N10) (Unpublished manuscript – not dated)	No date	D4.9
42		
Ocean weather ships 47	No date	D5.8

	Correspondence	1971-1975
D9.1.1A	76 Publication of the 'Encyclopedia of the Sea' – contributors – Correspondence	1971-1975
D9.1.1B	76 Remote Sensing	1971-1976
D4.5/I	42 "Report for Department of Trade and Industry and UKAEA – Programme Analysis Unit. PAU R7/73 Navigation and ship operation." Group leader G.I.W.Llewelyn. 1973. Marked <i>Commercial in Confidence</i> Copy of Report	1973
D6.13	48 Rothschild/Dainton Report ("A framework for Government Research and Development CMD 4814. HMSO 1971")– Press Comments	No date
D2.31	35 Royal Society,- British Antarctic Committee on Antarctic Research	1974-1976
D7.1.2	49 Royal Society – British National Committee – Papers	1973-1976
D7.1.14	53 Royal Society – British National Committee for GARP	1971-1975
D7.1.16.I	54 Royal Society – British National Committee for Geology	1972-1978
D7.1.10.I	53 Royal Society – British National Committee for International Council of Scientific Unions	1971-1974
D7.1.14.I	54 Royal Society – British National Committee for International Council of Scientific Unions	1975-1976
D7.1.14.II	54 Royal Society – Discussion Meeting on IPOD 25 February 1976 NFN 3	1976
D7.1.10	53 Royal Society – Ordnance Survey Committee	1974
D7.1.12	53 Royal Society – Marine Pollution/ Study Group/Sub-committee	1972-1976
D7.1.12	53 Royal Society – Marine Pollution Sub-committee – Papers	1976
D7.1.17.I	55 Royal Society – Study Group on Pollution in the Atmosphere	1975-1976(Pt)
D7.1.17.II	55 Royal Society – Study Group on Pollution in the Atmosphere	1976(Cont)-1977
D7.1.18.I	55 Royal Society - UNESCO Committee of UK National Commission – Papers	1975
D7.1.18.II	55 Royal Society - UNESCO Committee of UK National Commission - Papers	1976(Part)
D7.1.18.II	55 RRS "Discovery" – Fire 1975 and Enquiry 1975-1977	1975-1977
D5.1.1	47 RRS "Discovery" -Cruises and reports – correspondence	1971-1977
D5.3	47	
D7.7.1	62 SCOR Ocean Climate Panel WG48	1974-1976
D4.50. I	45 Scripps Institution of Oceanography, JOIDES Project – Correspondence	1971-1973
D4.50. II	45 Scripps Institution of Oceanography, JOIDES Project – Correspondence	1974-1976
D7.16	70 Second International Congress on the History of Oceanography "Challenger" Expedition Centenary	1972

Severn Barrage SEE: Wave and tidal energy projects 1975-1976			
Severn Estuary Study Group. SEE: Wave and tidal energy projects 1975-1976			
Submersibles/ Bathyscapes		1953-1969	
D5.9	47		
Symposia, Conferences and International Meetings (Sections 1-20 Missing?/ not present) (H.Charnock attended)		Various	
D8.6.i	75	Symposia, Conferences and International Meetings (Sections 21-42) (H.Charnock attended)	Various
D8.6.ii	75	Symposia, Conferences and International Meetings (Sections 43-63) (H.Charnock attended)	Various
			D8.6.iii
	75		

Thorpe, S.A.: "Experiments on the stability of stratified shear Flows (1969)" - 1975 Observations and programme.		1975	
D4.11	43		
Tides and Surges		1973	
D4.7	42		
UK Ad-Hoc Group on IPOD Policy		1976-1977	
NFN	3		
UK IPOD Coordinating Committee		1975-1976	
NFN	3		
UK Scientists interest in IPOD		1974-1975	
NFN	3		
'Venice in Peril' Project		1970-1972	
D4.53	45		
Visitors to the National Institute of Oceanography 1972-1974		1972-1974	
D10.4ii	77		
(1975 missing?/not present)			
Visitors to the Institute of Oceanographic Sciences, Deacon Laboratory, 1976.(1977,1978 missing?/not present)		1976	
D10.4iii	77		
Wash Estuary Storage, Wash Feasibility Study			
SEE: NERC Coordinating Committee			
Wave data SEE: COST – Section for Wave data			
Wave and tidal energy projects 1975-1976:		1975-1976	
D4.55	46		
(1) Severn Barrage			
D4.55	46		
(2) Mathematical modelling of the Gulfs of Cambay & Kutch			
D4.55	46		
(3) Wave energy			
D4.55	46		
(4) Severn Estuary Study Group.			
D4.55	46		
Woods Hole Oceanographic Institution – correspondence		1958-1976	
D6.5.4	48		
World Meteorological Organisation – Executive Committee			

D7.8.2	64	Panel for FGGE (First GARP Global Experiment)	1974-1975
		World Meteorological Organisation –	
		GARP Publications Series, No.11, March 1973	1973
D7.8.2	64		

Section 3

List of Abbreviations and Acronyms

BNCGG	British National Committee for Geodesy and Geophysics
COST	Cooperation in the field of Science and Technology
DSDP	Deep Sea Drilling Project
FGGE	First GARP Global Experiment
GARP	Global Atmospheric Research Programme
GATE	GARP Atlantic Tropical Experiment
GLORIA	Geological Long-Range Inclined Asdic
IAMAP	International Association of Meteorology and Atmospheric Sciences
IAPO	International Association for Physical Oceanography
IAPSO	International Association for the Physical Sciences of the Ocean
ICOT	Institute of Coastal Oceanography and Tides
ICSC	Information Communications on Strategy Committee
IOC	Inter-Governmental Oceanographic Commission
IOSDL	Institute of Oceanographic Sciences, Deacon Laboratory
IPOD	International Panel on Ocean Drilling

JOIDES	Joint Oceanographic Institutions for Deep Earth Sampling
JOINSWAP	Joint North Sea Wave Analysis Project
JONSIS	Joint North Sea Information Systems
MAFF	Ministry of Agriculture Fisheries and Food
MIAS	Marine Information and Advisory Service
MSES	Marine Scientific Equipment Service
NERC	Natural Environment Research Council
NIO	National Institute of Oceanography
PREST	Policy Research in Engineering Science and Technology
SCODS	Standing Committee on Ocean Data Stations
SCOPE	Scientific Committee on Problems of the Environment
SMBA	Scottish Marine Biological Association
UKAEA	United Kingdom Atomic Energy Authority
UNESCO	United Nations Educational, Scientific Organisation