Catalogue of the papers and correspondence of

# SIR CHARLES MAURICE YONGE FRS

(1899-1986)

Compiled by Peter Harper and Timothy E. Powell

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GENERAL INTRODUCTION

PROVENANCE

The material was received in June 1990 from Lady Yonge via the Natural History Museum, London.

#### DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the List of Contents. There is very substantial documentation of sixty years' research by Yonge in marine biology but regrettably virtually no personal or biographical material or records of his university career at Bristol and Glasgow. Material relating to the Great Barrier Reef Expedition which Yonge led 1928-29, and his continuing interest in the Reef thereafter, is to be found throughout the collection. Attention is drawn to Great Barrier Reef material in the following introductory paragraphs and the detailed catalogue entries.

Section A, Diaries, presents sequences of Glasgow University pocket diaries from 1952-53 and Edinburgh University pocket diaries 1970-83.

Section B, Notebooks, documents a number of overseas visits and expeditions. There are five notebooks relating to the Great Barrier Reef Expedition including three kept entirely or principally by Yonge's first wife who died in 1945. Other overseas visits represented include the USA 1939 and 1956, Africa 1953 and 1962, Caroline Is. 1965 and Australia 1967.

Section C, Research, is by far the largest in the collection and documents Yonge's research on molluscs and coral reef ecology over six decades. There is a chronological sequence of research folders 1922-82 whose contents may include correspondence, notes, drafts, drawings, figures, photographs and printed matter. Folders containing drawings and figures only are presented in a separate sequence arranged alphabetically by subject or folder title. There are (incomplete) lists of Yonge's scientific papers at C.535.

Section D, Societies and Organisations, documents Yonge's association with a number of British and overseas organisations. The most substantial records are of the Royal Society and in particular of a joint Royal Society/Universities of Queensland expedition to the Great Barrier Reef in 1973. Yonge was chairman of the UK committee which oversaw financial and programme arrangements.

Section E, Correspondence, comprises general correspondence with scientific colleagues arranged chronologically and additional sequences kept together by Yonge on the Great Barrier Reef Expedition, 'Miscellaneous Hong Kong and Pacific Science' and Advances in Marine Biology.

Section F, Non-print material, provides important photographic records of Yonge's visits and expeditions including many not documented elsewhere in the collection. There is a comprehensive photographic record of the Great Barrier Reef Expedition including the photographs used in Yonge's 1930 book A year on the Great Barrier Reef. The section also includes maps of the Great Barrier Reef and a tape-recording 'Commentary of Lowe Island film'.

There is also an index of correspondents.

Peter Harper
Timothy E Powell
Bath 1991

## SUMMARY OF THE CAREER OF C M YONGE

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b.	1	0	7	2

educ. Silcoates School, Wakefield

### Edinburgh University

	1922-24 Baxter Natural Science Scholar
	1924-25 Carnegie Research Scholar
1925-27	Temporary Asst Naturalist, Marine Biological Assoc. Plymouth
1927-29	Balfour Student, Cambridge University
1928-29	Leader, Great Barrier Reef Expedition
1930-32	Physiologist, Marine Biological Assoc. Plymouth
1933-44	Professor of Zoology, Bristol University
1944-64	Regius Professor of Zoology, Glasgow University
1944-67	Pres. and Chmn of Council Scottish Marine Biological Association
1946	Election to Fellowship of the Royal Society
1957	Conferral of C.B.E.
1965-70	Research Fellow in Zoology, Glasgow University
1967	Conferral of Knighthood
1968	Award of Darwin Medal, Royal Society
1970-86	Hon. Fellow in Zoology, Edinburgh University

SECTION A DIARIES A.1 - A.34

A. 1 - A.20 University of Glasgow pocket diaries 1952-53 - 1969-70, 1977-78, 1979-80.

A. 1	1952-53	A.11	1962-63 (2)
A. 2	1953-54	A.12	1963-64
A. 3	1954-55	A.13	1964-65
A. 4	1955-56	A.14	1965-66
A. 5	1956-57	A.15	1966-67
A. 6	1957-58	A.16	1967-68
A. 7	1958-59	A.17	1968-69
A. 8	1959-60	A.18	1969-70
A. 9	1960-61	A.19	1977-78
A.10	1962-63 (1)	A.20	1979-80

### Diaries

A.21 - A.33 University of Edinburgh pocket diaries 1970-71 - 1982-83.

A.21	1970-71	A.28	1977-78
A.22	1971-72	A.29	1978-79
A.23	1972-73	A.30	1979-80
A.24	1973-74	A.31	1980-81
A.25	1974-75	A.32	1981-82
A.26	1975-76	A.33	1982-83
A.27	1976-77		

A.34 Pocket diary 1985.

SECTION B NOTEBOOKS B.1 - B.19

B.1 Exercise book inscribed on front cover 'G B R Expedition'.

From the front are press-cuttings on the announcement of the Great Barrier Reef Expedition under Yonge's leadership, September 1927. At the back is an April 1927 presscutting and an ms poem in M J Yonge's (Mrs Yonge's) hand.

B.2 Hardback pocket notebook inscribed on front page 'Mattie J Yonge May 1928'. Most pages not used.

Journal of outward journey to the Great Barrier Reef kept by M J Young, 28 May - 11 July 1928.

B.3 Notebook used for journal by M J Yonge 26 May 1928, 26 June 1928 - 5 August 1929. Most pages not used.

Some entries from 28 March 1929 are in other hands (including C M Yonge's), probably made during M J Yonge's absences from the Expedition base on Low Island. Also in the journal are typescript logs of cruises aboard the motor launch the 'Magneta', February and March 1929.

B.4 'Letter & Order Book' inscribed on front cover 'Mattie
J Yonge' and used by her for journal 18 July - 2 September
1928 and 26 April - 25 May 1929. Paginated. Most
pages not used.

The top copies have been removed so only the carbon copies remain.

B.5 Hardback pocket notebook inscribed on p.1 'Barrier Reef Expedition Trip to Torres Straits April-May 1929'.
Paginated 1-96.

Used pp.1-54 for notes on the trip by C M Yonge and from p.96 for notes on the literature by M J and C M Yonge.

#### Notebooks

- B.6 Pocket notebook used from the front for notes during visit to USA July-August 1939. At the back are notes on expenses.
- B.7 University of Glasgow hardback notebook inscribed on front page 'Millport [Marine Biological Station, Great Cumbrae ] July-August 1946. 1947. July 1948. Contents list. Paginated 1-114.

Used for notes on Lamellibranchia. Ms and typescript notes loose at front.

B.8 Hardback notebook inscribed on first page 'Bermuda.
May 14-30, 1951'. Contents list. Paginated 1-53.

Used for notes on 'Pinctada', 'Arca etc', 'Spondylus', 'Pinna', 'Siphonaria', 'Lithopaga', 'Chama' and 'Pedalion'. At back are brief notes on the literature. Loose at front are typescript notes entitled 'Gundlachia', loose at back are ms notes and drawings.

B.9 Hardback notebook inscribed on first page 'Africa March 14 - April 19 1953'.

Used from the front for journal of visit to East and West Africa, from the back for research notes made during visit. Loose at front is a list of Yonge's addresses during his visit.

B.10 Spiral notebook inscribed on front cover 'California etc.
Mar/April 1956'. Paginated 1-31.

Used for notes on visit to 'La Jolla/Pacific Grove'.

B.ll Hardback notebook inscribed on first page 'Singapore & Malaya July-Aug, 1956'. Most pages not used.

Journal of visit to Singapore and Malaya with C F Hickling. Brief notes and references at back. Loose material intercalated includes itineraries.

### Notebooks

B.12	Hardback notebook used for notes on visit to East Africa, September 1962.
	Loose at front are typescript itineraries, loose at back are postcards from Nyasaland (later Malawi).
B.13	Small cash book used from the front for notes on visit to East Africa, September 1962, and from the back for notes on 'Projected Kariba Lake Fisheries Research Institute'.
B.14	Pocket 'Memo book' used from the back for miscellaneous notes, latest reference 1964. Most pages not used.
в.15	Notebook inscribed on first page 'Research Notes "Te Vega" Jan-Mar.1965'. Paginated 1-48. Contents list at back.  Notes made during visit on board the 'Te Vega' to Palau
	Gaya (Caroline Is.) 1-8 February. Loose notes at front and back.
B.16	Notebook used for notes on the 'Te Vega' expedition to the Caroline Is. Most pages not used.
	Used from the front for list of expedition members and journal 9 January-17 February 1965, from the back for notes on 'Study of "Clam Bed" bet. P Gaya and P Tatagar', 30 January - 3 February. Loose material at front.
B.17	Hardback pocket notebook used from the front for notes on visit to Spain, and from the back for miscellaneous addresses, bibliographical references (latest reference 1966), note of expenses on visit to Princeton and New York, notes on 'Sand at La Jolla'.
B.18	Spiral notebook used for notes on visit to Australia September-October 1967. Itinerary on first two pages. Includes visits to 'Yonge's Reef'

Includes visits to 'Yonge's Reef'.

#### Notebooks

в.19

Hardback notebook inscribed on first page 'Jamaica Mar.25 - April 5, 1970'. Most pages not used. Contents list at front.

Notes on visit to Jamaica 1970 with later annotations (latest date August 1972). List of addresses at back. Drawing loose at front.

SECTION C

RESEARCH

C.1 - C.540

This section comprises very extensive documentation of sixty years' research in marine biology. The material was found in Yonge's often very bulky folders with ms and/or typescript titles and descriptions of contents. The bulky folders have been divided for ease of reference and the titles used in the catalogue entries. The contents of Yonge's folders may include correspondence, notes on the literature, field observations, experimental data, drafts of scientific papers and lectures, drawings, figures, photographs and printed matter. As far as possible Yonge's folders are arranged in a chronological sequence although some of the dating is necessarily tentative and folders may cover a considerable number of years. Folders containing figures and drawings only are presented in a separate sequence arranged alphabetically by subject or title. In addition to the folders, Yonge used index cards for listing his scientific papers, the addresses of colleagues, bibliographic information etc., and these conclude the section. The incomplete bibliography on index cards at C.535 was the best available at the time of cataloguing and was used in compiling the catalogue entries.

The material is presented as follows:

C.1 - C.408 Research folders

C.409- C.417 Undated research folders

C.418- C.534 Drawings and figures

C.535- C.540 Index cards

#### Research folders

'Anti-fouling work'

C.1 Correspondence and receipts <u>re</u> anti-fouling work, 1922, 1925-27.

Yonge carried out research at the Plymouth Laboratory of the Marine Biological Association, sponsored by the Committee of the Institution of Civil Engineers on Deterioration of Structures exposed to Sea-Action and supervised by G Barger, University of Edinburgh.

#### 'Lamellibranchia Myacea Mya'

C.2 Ms notes, drawings, and galley proof of 'Studies on the comparative physiology of digestion. I. The mechanism of feeding, digestion, and assimilation in the lamellibranch Mya'. Br. J. exp. Biol., 1 (1923).

#### 'Lamellibranchia'

- C.3 Notes on feeding, proof of 'The digestive diverticula in the Lamellibranchs', Trans. R. Soc. Edinb., 54 (1926).
- C.4 Notes on the literature; letters from T C Nelson 1939-40, draft paper on 'Development of gills in Lamellibranchia', latest bibliographical reference 1939.

C.5 Notes for lectures on 'Aspects of evolution within the Lamellibranchia'; draft of 'Digestion of Animals by Lamellibranchs' Nature, 157 (1946); draft of 'Formation of siphons in Lamellibranchia' Nature, 161 (1948); request from Zoological Society of London for report on paper, 1954.

'Bivalvia Ostraeidae'

- C.6 C.8 Mss and proofs, one dated 1928. 3 folders.
- C.9 Reprints.
- C.10 Letters from N D Newell, 1958 and L R Cox, 1958, 1960-61, etc.

'Lamellibranchia Cardiacea Tridacnidae'

C.11, C.12 Data, notes on the literature, drawings, drafts. 2 folders.

Some experimental work dated in 1929 (Great Barrier Reef Expedition).

C.13 Correspondence 1935-37, 1941.

	'Gastropoda Vermetus: Pterocera'
C.14	Records of experiments, 1929 (Great Barrier Reef Expedition); correspondence 1931, 1932.
C.15	Draft 'Notes on feeding and digestion in Pterocera and Vermetus, with a discussion on the occurrence of the crystalline style in the gastropoda' <a href="Sci. Rpt.gr. Barrier Reef Exped">Sci. Rpt.gr. Brit. Mus. (Nat. Hist.)</a> , <a href="I (1932)">I (1932)</a> .
C.16	Draft 'On the mantle cavity, pedal gland, and evolution of mucous feeding in the vermetidae' (with E J Iles), latest bibliographical reference 1938.
C.17	Drawings and figures.
	'Technical methods'
C.18	Notes, printed matter, bibliographic references, various dates 1929-60.
	'Lamellibranchia Adesmacea Xylophagindae: Teridinidae'
C.19	Experimental results nd (1920s); printed item 1940.
	'Great Barrier Reef Expedition'
C-20	Line drawings A year on the Great Barrier Reef, 1930.
C.21	Proof plates.

'Great Barrier Reef Expedition' Draft 'Respiration of corals in relation to photosynthesis C.22 of their contained zooxanthellae'. See Sci. Rep. Gt.Barrier Reef Exped., 1928-29, I (1932). Draft of lecture on Great Barrier Reef of Australia, nd. C.23 'Mollusca' Notes on axes of growth, evolution of Lamellibranchia; C.24 draft 'On the size attained by the crystalline style', Proc. malac. Soc. Lond., 20 (1932), etc. Draft 'Functional interpretation of Molluscan structure', C.25 Proc. malac. Soc. Lond., 25 (1943); report on work on deposit feeding lamellibranchs, 1948; notes for seminar on molluscs, 1949; draft paper on variable forms assumed by modern Mollusca in terms of axes of polarity, nd. Prosobranchia Shell Form and Currents' 'Gastropoda C.26, C.27 Notes, drawings, reprints by others. Some of the notes on back of University of Bristol examination papers

2 folders.

June 1933.

#### Untitled

C.28, C.29 Correspondence, research records, notes on the literature, draft papers, re zooxanthellae and coral ecology, etc.
Correspondence is dated 1935 and 1938, Yonge's draft papers c.1963 and 1964 (latest bibliographical references). 2 folders.

#### 'Miscellaneous'

- C.30 Draft paper 'Some genetical problems presented by sessile coelenterates', latest bibliographical reference 1935.
- C.31 Correspondence with University of California Press re
  'Studies on Pacific coast mollusks' papers, 1951-52.
- C.32 Draft on the limpet form in Gastropods 5 September 1953; report on research by W Russell Hunter in Jamaica Spring 1954; 'Comments by C M Yonge on paper by J Brooks Knight' nd; notes on the literature etc.
- C.33 Agenda for annual meeting of Association of British Zoologists 1961; agenda for Symposium on Mollusca 1964; menu and list of those attending Anniversary Dinner of the Geological Society of London 1968 (Yonge was guest of honour).
- C.34 Figures.

	'Cephalopoda'
C.35	Notes on the literature, letter from A N Bidder 1936.
c.36, c.37	Drawings and figures. 2 folders.
	'Lamellibranchia Monomyarian condition, etc'
C.38	Proof copy 'The evolution of the swimming habit in the lamellibranchia' 1936.
c.39, c.40	Notes etc. 2 folders.
C.41	Figures.
	'Lamellibranchia Protobranchia'
C.42	Drawings <u>Leda</u> and <u>Solenomya</u> , nd.
C.43	Records of research on <u>Lembulus (Leda) Pella</u> , 1938; records of research on alimentary canal, stomach, gut of protobranchia, nd.
C.44	Records of research on <u>Nucula</u> , 1937.
C.45	Records of research on Malletia and Portlandia, nd.
C.46	Notes headed 'Protobranchia' and 'Roy.Soc.4:iv:39'; drawings and figures etc.

C.47 Draft 'The status of the Protobranchia in the Bivalve Mollusca', Proc. malac. Soc. Lond., 33 (1959).

This was Yonge's contribution to a discussion meeting of the Malacological Society 27 February 1959.

Folder also includes notice of meeting, correspondence re arrangements, etc.

C.48 Draft paper 'Observations on the Mantle/Shell of Solemya
Parkinsoni by G E Beedham and Gareth Owen, figures and
correspondence 1964.

'Lamellibranchia Protobranchia'

C.49 Correspondence <u>re</u> paper on the protobranchiate mollusca communicated to the Royal Society, 1938-39; summary of paper.

For draft paper see C.52, C.53.

- C.50 Notes on the literature.
- C.51 'Protobranchia microphotos'.

'Lamellibranchia Protobranchia'

C.52, C.53 Draft 'The Protobranchiate Mollusca: a functional interpretation of their structure and evolution'.

Phil. Trans. R. Soc., B.230 (1939). 2 folders.

'Mollusca Scaphopoda'

C.54 Notes, draft paper 'Circulation of water in the mantle cavity of <u>Dentalium entalis</u>', <u>Proc.malac. Soc. Lond.</u>, <u>22</u> (1937); draft paper 'The formation of siphonal openings by <u>Thracia pubescens</u>', probably also published by the Malacological Society in 1937. Both draft papers are inscribed 'read 12 February 1937'.

'Mollusca Sp. Gastropoda Osphradium'

C.55 Notes; draft paper 'On the possible function of the Osphradium in the Gastropoda' 1937.

'Gastropoda Aporrhais'

- C.56

  Notes; draft paper 'The Biology of Aporrhais pes-pelecani (L.)
  and A. serresiana (Mich.)'. J. mar.biol. Ass. U.K., 21
  (1937).
- C.57 Figures.
- C.58 Draft paper on Aporrhais Occidentalis by F E Perron with covering letter 1977.

'Gastropoda Capulus - ciliary feeding'

- C.59 Notes; draft paper 'Evolution of ciliary feeding in the prosobranchia, with an account of feeding in Capulus Ungaricus', J. mar. biol. Ass. U.K., 22 (1938)
- C.60 Figures.

	'Gastropoda Aspidobranchia'
C.61	Correspondence with R Elmhirst (Scottish Marine Biological Association, Millport), 1938 and R Winckworth 1938, 1942.
C.62	Notes on <u>Haliotis</u> , <u>Diodora</u> .
C.63	Notes on <u>Puncturella</u> , <u>Emarginula</u> .
C.64	Notes on Acmaea, Helcion.
C.65	Notes on <u>Patella</u> , <u>Docoglossa</u> .
C.66	Notes on <u>Trochacea</u> , <u>Theoduxus</u> ( <u>Neretina</u> )
c.67	Notes on <u>Valvata</u> , <u>Ctenidia</u>
C.68	'Aspidobranch Gastropoda. Extracts of Papers'
	'Gastropoda Tridachia crispata'
C.69	Notes; draft paper (by H M Nicholas) on general anatomy of <u>Tridachia crispata</u> , June 1938.
C.70	Draft paper (with H M Nicholas) 'Structure and function of the gut and symbiosis with zooxanthellae in <u>Tridachia</u> crispata (Oerst.) Bgh'; letter re publication in <u>Papers</u> from the Tortugas Laboratory 1939.
C.71, C.72	Figures. 2 folders.

'Gastropoda miscellaneous' Notes; correspondence 1938; draft paper 'Ciliary currents C.73 in the mantle cavity of the Atlantidae', Q. Jl microsc. Sci., 83 (1942). Draft paper 'On the habits of Turritella communis Risso', C.74 J. mar. biol. Ass. U.K., 26 (1946). Figures. C.75 'Tanganyika Molluscs' Notes; correspondence 1939; draft paper 'The prosobranchs C.76 of Lake Tanganyika', Nature, 142 (1938). 'Mollusca Loricata' C.77 Notes Draft paper 'On the mantle cavity and its contained organs C.78 in the Loricata (Amphineura)', Q.Jl microsc. Sci., (1939) C.79 Figures. Untitled C. 79A Miscellaneous notes, drafts, etc. Includes drafts by L Harrison Matthews, latest bibliographical reference 1941, and T E Thompson, latest bibliographical reference 1965; publication lists of R Robertson 1957-67 and J D Taylor 1966-71, etc.

	'Lamellibranchia Myacea Aloidis (Corbula)'
C.80	Notes and drawings.
C.81	Draft paper 'On the habits and adaptations of Aloidis (Corbula) Gibba' J. mar. biol. Ass. U.K., 26 (1946)
*	'Saxicavacea Hiatella'
C.82	Letter 1947; notes and drawings including Pamomya 1959.
C.83	Notes and drawings.
C.84, C.85	Draft paper 'On functional morphology and adaptive radiation in the Saxicavacea (Hiatella, (Saxicava), Saxicavella, Pamomya, Panope, Cyrotodaria)', Malacologia, 11 (1971). 2 folders.
	'Panope'
C.86	Notes, drawings, figures, letter, etc. Items dated 1948, 1959, 1969.
	'Lamellibranchia Matracea Spisula Lutraria'
C.87	Notes, drawings, figures.

C.88	Draft paper 'Cleansing mechanisms and the function of the fourth pallial aperture in Spisula Subtruncata (Da Costa) and Lutraria Lutraria (L.)'; proof copy dated 1948.
C.89	Draft paper 'Ligamental structure in Mactracea and Myacea (Mollusca: Bivalvia)'; proof copy 1981.
	'Lamellibranchia Tellinacea Donax → Solecurtus'
c.90 - c.94	Notes, drawings, etc. 1948. 5 folders.
c.95	Draft paper 'On the structure and adaptation of the Tellinacea, deposit-feeding Eulamellibranchia' Phil. Trans. R. Soc. Lond., B.234 (1949).
c.96, c.97	Figures. 2 folders.
	'Lamellibranchia Adesmacea Pholadidae'
C.98	Notes 1949.
	'Lamellibranchia Isocardiacea Chama Isocardia'.
c.99	Notes and drawings 1949.
	'Lamellibranchia Myacea Cryptomya'
C.100	Notes and drawings [?1949]; draft paper 'Studies on Pacific Coast Mollusks. I. On the structure and adaptations of Cryptomya californica (Conrad)', Univ. Calif. Publ. Zoöl., 55 (1951); figures.

	'Lamellibranchia Myacea Platyodon'
C.101	Notes and drawings 1949.
C.102	Draft paper 'Studies on Pacific Coast Mollusks. II.  Structure and adaptations for rock boring in Platyodon cancellatus (Conrad)'. Univ. Calif. Publ. Zoöl., 55 (1951); figures.
	'Lamellibranchia Pectinacea Hinnites'
C.103	Notes and drawings. [?1949]; draft paper 'Observations on <u>Hinnites multirugosus</u> (Gale)' probably no.III in the Studies on Pacific Coast Mollusks series (1951).
C.104	Photographs; figures.
	'Lamellibranchia Solenacea Siliqua'
C.105	Notes and drawings [ ?1949]
C.106, C.107	Draft paper 'Studies on Pacific Coast Mollusks, IV.  Observations on Siliqua patula Dixon and on Evolution within the Solenidae', Univ. Calif. Publ. Zoöl., 55 (1952). 2 folders.
C.108, C.109	Figures. 2 folders.

	'Anomalodesmata Lyonsiidae'
C-110	Notes and drawings, including Entodesma saxicola and Mytilmeria 1949.
C.111	Draft paper 'Studies on Pacific Coast Mollusks. V. Structure and adaptation in Entodesma saxicola (Baird) and Mytilmeria nuttalli Conrad. With a discussion on evolution within the family Lyonsiidae (Eulamellibranchia)' Univ. Calif. Publ. Zoöl., 55 (1952)
C.112	Correspondence 1974-76 and nd.
C.113	Draft paper 'Primary and secondary ligaments with the Lithodesma in the Lyonsiidae (Bivalvia: Pandoracea)', J. mollusc. Stud., 42 (1976).
C.114 - C.117	Figures Entodesma, Mytilimeria, Ligament in Lyonsiidae. 5 folders.
	'Lamellibranchia Erycinacea Kellya'
C.118	Notes and drawings [?1949], 1975.
C.119	Draft paper 'Studies on Pacific Coast Mollusks. VI. A note on Kellia laperoussi (Deshayes)', Univ. Calif. Publ. Zoöl., 55 (1952).
C.120	Figures.

	'Lamellibranchia Myacea Sphenia'
C.121	Notes, drawings, correspondence 1949-51.
C.122	Draft paper 'Observations on Sphenia binghami Turton', J. mar. biol. Ass. U.K., 30 (1951); figures.
	'Bivalvia Ligament and Dentition'
C.123	Notes on mantle and mantle edge in Mollusca, ligament etc.
C.124	Correspondence 1949, 1951-52.
C.125	Draft paper 'Origin and evolution of the ligament in Lamellibranchia', latest bibliographical reference 1951; proof copy of paper (with G. Owen and E.R.Trueman) 'The ligament in the Lamellibranchia', Nature, 171 (1953).
C.126	Drawings and figures.
	'Gastropoda Hipponix'
C.127, C.128	Notes and drawings 1949. 2 folders.
C.129	Correspondence 1953.
c.130	Draft paper 'Observations on <u>Hipponix antiquatus</u> (Linnaeus)', 1953.

C.131, C.132	Figures. 2 folders.
C.133	Photographs.
	'Lamellibranchia Mytilacea Botula/Lithophaga'
C.134-C.138	Notes, drawings, drafts, correspondence, 1949, 1951. 5 folders.
C.139	Draft paper 'Adaptation to rock boring in botula and lithophaga (Lamellibranchia, Mytilidae) with a discussion on the evolution of this habit', Q. Jl microsc. Sci., 96 (1955).
C.140-C.142	Figures. 3 folders.  'Lamellibranchia Veneracea Petrocolidae Transenella
C.143	Notes and drawings 1949.
C.144	Draft paper 'Observations on Petricola carditoides (Conrad)', Proc. malac. Soc. Lond., 33 (1958); figures.
	'Rock Borers Bivalvia, etc.'
C.145	Notes of observations 1949; reprints 1955, 1963.
C.146	Draft paper 'Rock boring organisms', latest bibliographical reference 1962; draft paper 'Rock borers', nd.

	'Mollusca Periostracum'
C.147	Notes on 'Interpretation of Lamellibranch structure' 1950; draft on 'The periostracum', latest bibliographical reference 1952, etc.
	'Bivalvia Adesmacea Teredinidae'
C.148	'Report on infection of dock piles at Cairnryan by marine wood boring organisms'; correspondence 1951-52.
	'Gastropoda Pulmonata Siphonaria Trimusculus'
C.149	Notes on <u>Siphonaria</u> ; brief correspondence 1951-52.
C.150	Draft paper 'The mantle cavity in <u>Siphonaria alternata</u> Say', <u>Proc. malac. Soc. Lond</u> . (1952).
C.151	Siphonaria figures.
C.152	Draft paper 'Observations in life on the pulmonate limpet Trimusculus (Gadinia) reticulatus (Sowerby)', 'read 13 December 1957'.
C.153	Trimusculus figures.
C.154	Gadinia photographs.

	'Tellinacea Pharus legumen'
C.155	Correspondence 1951, 1952, 1957.
c.156	Notes and drawings, [1951], 1952, 1957.
C.157	Draft paper 'On the structure, biology and systematic position of Pharus legumen (L.)', J. mar. biol. Ass. U.K., 38 (1959).
C.158	Figures.
	'Tridacnidae'
C.159	Draft paper 'Mantle chambers and water circulation in the Tridacnidae. (Mollusca)', 'received 8th October 1952'.
C.160	Correspondence 1974, 1975; photographs etc. Includes material relating to 1975 Scientific American article on giant clams. See also C.339.
	'Bivalvia Pteriacea Pinnidae'
C.161	Correspondence 1953.
C.162-C.164	Notes, drawings, figures. 3 folders.
C.165	Draft paper 'Form and habit in Pinna carnea Gmelin', Phil. Trans. R. Soc. Lond., B.237 (1953).

C.174

# Research

	'French oyster and mussel beds, etc'
	Material relates to International Council for the Exploration of the Sea Special Scientific Meeting 'Oyster and Mussel Culture', Paris, October 1954, and tour of the centres of oyster and mussel culture.
C.166	Programme of proceedings, expenses, guide to the tour of the centres of oyster and mussel culture, miscellaneous memorabilia, etc.
C.167	Photographs 'Mussel culture Baia de l'Aiguillon'.
C.168	Photographs 'Mussel culture Aiguillon'.
C.169	Photographs 'Oystersand mussels Millar'.
C.170	Photographs 'Cleansing basins, etc. Arcachon'.
C.171	'French oyster trip. 1954. Photos by Dr H Vilela'.
C.172	Negatives.
C.173	Postcards.
	'Mollusca Shell form'

Correspondence with L R Cox, 1954.

	'Mollusca Treatise: Invertebrate Palaeontology'
C.175	Correspondence with editor R C Moore 1954-57.
C.176	Correspondence with L R Cox 1955-57
C.177	Miscellaneous correspondence with colleagues 1955-57.
C.178	Copies of correspondence between Cox and J Brookes Knight 1955-57.
C.179, C.180	Drafts, figures. 2 folders.
C.181	Translation of paper by H Hoffman (Jena) on the phylogeny of molluscs.
	'Mollusca Treatise of Invertebrate Palaeontology'
C.182	Correspondence with editor R C Moore and L R Cox 1959, 1961.
C.183	Drafts, proofs.
C.184	Figures.
	'Stirps Arcacea Fam. Arcidae Arca (Senilia) Senilis'
C.185	Draft paper 'A note on Arca (Senilia) Senilis', Proc. malac. Soc. Lond., 31 (1955).
C.186	Drawings and figures.
C.187	Photographs.

C.187A 'Notes: Prather lectures Harvard'

Notes for lecture 1 on coral reefs and lecture 5 on form and adaptation.

Yonge was the Prather lecturer for 1957.

'Trigonia'

C.188 Draft 'Trigonia: a living fossil', Nature, 179 (1957); notes and drawings.

'Enigmonia'

C.189-C.192 Nature article 1957, notes, drawings, figures including items dated 1969, 1975. 4 folders.

Material may relate to paper 'Form and evolution in the Anomiacea (Mollusca: Bivalvia) - Pododesmus, Anomia, Patro, Enigmonia (Anomiidae): Placunanomia, Placuna (Placunidae Fam.Nov.)', Phil. Trans. R. Soc. Lond., B.276 (1977).

'Arcacea'

C.193 Drawings, notes.

C.194 Draft headed 'Glycymeris' and dated 14 April 1958; figures.

C.195 Correspondence 1980-81.

	'Cyrtodaria'
C.196	Notes, drawings, correspondence 1959, 1960.
	'Limpets'
C.197, C.198	Correspondence, notes, drawings 1959, 1960. 2 folders.
	Relates to work at the Friday Harbor Laboratory, University of Washington and the Hopkins Marine Station, Pacific Grove.
C.199	Draft paper 'Mantle cavity, habits, and habitat in the blind limpet, Lepeta concentrica Middendorf' for Proc. Calif. Acad. Sci.
C.200	Draft paper 'Further observations on Hipponix antiquatus with notes on North Pacific pulmonate limpets' for Proc. Calif. Acad. Sci.
	'Anomiacea Pododesmus'
C.201- C.204	Notes and drawings including work at Friday Harbor 1959. 4 folders.
c.205	Correspondence with D B Quayle 1962, 1969, 1971.
C.206	Figures.
	'Heteranomia'
C.207	Notes, drawings, correspondence 1959-60, 1977.

	'Bivalvia - Cementation Classification'
c.208	Notes including Hinnites Pacific Grove 1960; correspondence 1977, 1980; figures; 'revised bivalve classification', etc.
	'Gastropoda Archaeogastropoda Acmaeidae'
C.209	Correspondence 1960-61, notes and drawings.
C.210	Draft paper 'Ciliary currents in the mantle cavity of species of Acmaea'.
C.211	Negatives.
	'Trichotropis'
C.212	Correspondence 1960-62.
C.213-C.215	Notes and drawings. Items dated 1959 and 1960. 3 folders.
C.216	Proof copy of paper 'On the biology of the mesogastropod Trichotropis cancellata Hinds, a benthic indicator species', Biological Bulletin (1962).
C.217, C.218	Figures. 2 folders.

	'Unionacea Etheriidae'
C.219	Correspondence 1960-61.
C.220	Notes and drawings.
C.221, C.222	Draft paper 'On Etheria elliptica Lam. and the course of evolution, including assumption of monomyarianism, in the family Etheriidae (Bivalvia: Unionacea)' Phil. Trans. R. Soc., B.244 (1962). 2 folders.
C.223-C.225	Figures. 3 folders.
	'Anomiacea General'
C.226-C.229	Notes, drawings, figures. 4 folders.
C.230	Correspondence 1962, 1970-75.
	'Bivalvia Byssus'
C.231	Notes including 'R. D. Purchon - scheme for research on byssus of lamellibranchia'.
C.232	Draft paper 'On the primitive significance of the byssus in the bivalvia and its effects in evolution', J. mar. biol. Ass. U.K., 42 (1962).
C.233	Figures.

	'Fungiacava'
C.234-C.239	Correspondence with T F Goreau, University of the West Indies, Jamaica, and others, 1962-69.
C.234	1962-64.
C.235	1965. Includes material <u>re</u> proposed UWI marine laboratory.
C.236	1966. Includes Goreau's cv and list of publications.
C.237	1967 January - June.
C.238	1967 July - December.
C.239	1968-69.
C.240	Drawings, figures, photographs.
	'Fungiacava'
C.241	Correspondence with H. Soot-Ryen, 1965-69.
C.242	Correspondence with T F Goreau 1968, G Vevers 1971.
C.243, C.244	Draft paper 'On Fungiacava eilatensis n. gen. n.sp., a new commensal mytilid opening into the coelenteron of Fungia Scutaria' by T F Goreau, N I Goreau, T Soot-Ryen and C M Yonge. J. Zool., 158 (1969). 2 folders.
C. 245	Drafts by Soot-Ryen and the Goreaus for the 1969 paper.

C.246

Draft paper 'On the mode of boring in Fungiacava
eilatensis (Bivalvia, Mytilidae)' by T F Goreau.

N I Goreau and C M Yonge. J. Zool., 166 (1972)

C.247-C.249 Drawings and figures. 3 folders.

'Tridacnidae'

C.250-C.257 Figures, plates, photographs etc. 8 folders.

Includes proof copy of paper 'Mantle chambers and water circulation in the Tridacnidae', Proc. zool.

Soc. Lond., 123 (1953), photographs taken by T F Goreau 1967, 1968, figures etc., re paper by Yonge and N I and T F Goreau, J. Zool., 169 (1973) and re paper by Yonge on coral reefs, Trans. R. Soc. Edinb, 69 (1974).

'Chama'

C.258 Correspondence with L R Cox 1963, R J Cleevely 1966.

C.259-C.261 Notes and drawings. 3 folders.

C.262 Photographs.

'Saxicavella'

C.263 Correspondence <u>re</u> specimens with N A Holme, 1963, 1964; reprints by Holme.

C.264 Drawings, photographs.

	'Dreissenia'
c.265	Correspondence 1964, 1967, draft, figure, negative, etc.
	'Bivalvia Pteriacea Malleus & Isognomon'
C.266, C.267	Notes, drawings, etc. 2 folders.
	Relate to work during the <u>Te Vega</u> expedition cruise 6 1965.
C.268	Correspondence 1968 re publication.
C.269	Draft paper 'Form and habit in species of <u>Malleus</u> (including the "Hammer Oysters") with comparative observations on Isognomon isognomon' for <u>Biol</u> . Bull. mar. biol. Lab., Woods Hole.
C.270, C.271	Figures. 2 folders.
C.272	Photographs, slides, negatives.
	'Cardita'
c.273	Correspondence 1965, 1968-69. Relates to paper 'Functional morphology and evolution within the carditacea (Bivalvia)', Proc. malac. Soc. Lond., 38 (1969).
C.274-C.277	Notes, drawings, figures. 4 folders.

	'Pectinacea Pedum'
C.278	Letter dated 1967, notes and drawings.
C.279	Figures.
	'Bivalvia Heteromyarianism Dreissena Mytilidae'
C.280	Draft paper 'On the heteromyarian condition in the Bivalvia with special reference to Dreissena polymorpha and certain Mytilacea' by Yonge and J I Campbell. Phil. Trans. R. Soc. Lond., B.253 (1968).
c.281	Notes, drafts, drawings, figures <u>re</u> Dreissena, Mytilids.
C.282	Correspondence re Modiolus 1973.
C.283	Draft paper 'The "Mussel" form and habit'. In Marine mussels their ecology and physiology ed. B L Bayne (1976).
C.284	Figures.
	'Corals and coral reefs'
C-285	Programme, correspondence <u>re</u> Symposium on 'The ecology of coral reef fishes', March 1969, etc.
C.286	Draft paper 'The nature of reef-building (Hermatypic) Corals', latest bibliographical reference 1970.

- C.287 Draft paper 'Aspects of productivity in coral reefs'.

  Proc. Symp. Corals & Coral Reefs 1969, Mar. biol. Ass.
  India (1972).
- C.288 Draft paper 'Production of particulate organic matter by a reef on Kavaratti Atoll (Laccadives) by S.Z.Qasim and V.N. Sankaranarayanan.

'Plicatula'

C.289, C.290 Correspondence 1969, notes and drawings. 2 folders.

Relate to 1973 paper. See also C.291, C.292, C.320, C.321.

#### 'Pectinacea Spondylus'

C.291, C.292 Correspondence 1969, 1973, notes and drawings. 2 folders.

Relate to 1973 paper 'Functional morphology with particular reference to hinge and ligament in <u>Spondylus</u> and <u>Plicatula</u> and a discussion on the relations within the superfamily Pectinacea (Mollusca: Bivalvia)'. <u>Phil. Trans. R. Soc.</u> Lond., B.267. See also C.289, C.290, C.320, C.321.

	'Leptoconchus spp. from Fungia spp. "Te Vega" '
C.293	Notes, drawings, photograph etc. Printed item dated January 1970.
	'Clavagecea'
C.294	Letter 1970; notes.
c.295, c.296	Printed matter including H. de Lacaze-Duthiers  Morphologie des Acephales. 2 folders.
	'Mytilacea Fungiacava'
C.297	Letter 1971, notes.
C.298	Draft paper 'On feeding and nutrition in <u>Fungiacava</u> eilatensis (Bivalvia, Mytilidae), a commensal living in fungiid corals' by Yonge, T F Goreau, N I Goreau and Y Neumann. <u>J. Zool.</u> , <u>160</u> (1970).
C.299	Figures, plates.
	'Fungid coral Lizard Island Dec. 1975'
c.300, c.301	Notes, drawings, drafts. 2 folders.
C.302	Correspondence 1970.

c.303, c.304	'Tortugas Photos (including exper. corals) Bahamas' 2 folders.
c.305	Reprints
C.306	Miscellaneous
	'Reef-building Corals'
C.307, C.308	Correspondence 1971; draft paper 'The nature of reefbuilding (hermatypic) corals', <u>Bull. mar. Sci.</u> , <u>23</u> (1973). 2 folders.
	'Corals and Molluscs Presidential Address Royal Soc. Edinburgh 1973'
c.309	Draft paper 'Reef corals: autotrophs or heterotrophs?' by T F Goreau, N I Goreau and C M Yonge; correspondence 1971.
c.310	Draft paper 'Coral reefs and molluscs' Trans. R. Soc. Edinb., 69 (1974).
c.311	Figures.
	'Tridacnidae Goreau, Goreau & Yonge Plates I - X (for reproduction, <u>not</u> to be circulated to referees) Originals 63/72 Goreau N.I. & T.F. & Yonge C.M'
c.312-c.316	Plates, notes, drafts, letter 1971 etc. 5 folders.

	'Tridacna Fankboner'
C.317	Correspondence with P.V.Fankboner 1971; grant application 1972; draft by Fankboner.
c.318	Photographs.
	'Fungiacava Further information'
C.319	Notes, reprint (1972), photographs.
	'Spondylus, Plicatula'
c.320, c.321	Draft paper 'Functional morphology with particular reference to hinge and ligament in Spondylus and Plicatula and a discussion on relations within the superfamily Pectinacea (Mollusca: Bivalvia)', Phil. Trans. R. Soc. Lond., B.267 (1973). 2 folders. See also C.289-C.292.
	'Unionacea Etheriidae Acostaea'
C.322	Correspondence 1973-77.
c.323	Notes, drawings, draft.
C.324	Proof copy 'On the monomyarian, Acostae rivoli (Desh.) and the evolution in the family Etheriidae (Bivalvia: Unionacea)' J. Zool., 184 (1978).

C.325	Figures.
C.326	Photographs.
C.327	'Bivalvia Ligament'  Notes, latest bibliographical reference 1973.
	'Thraciidae etc.'
C.328	Correspondence 1974, 1978-79.
C.329	Drafts, notes, drawings.
c.330, c.331	Figures. 2 folders.
C.332	Reprints.
	'Early Bivalvia'
C.333	2pp draft (incomplete) 'The monomyarian condition in the Bivalvia '; reprints 1974-81.
	'Anomalodesmata "Septibranchs" '
C.334	Draft paper on 'classification of the septibranchs', etc., latest bibliographical reference 1974.
C.335	Figures.

C.348

Drawings.

#### Research

'N.E.R.C. grants' Correspondence and papers re NERC grants for Yonge's C.336-C.338 research, 1975-83. 3 folders. 'Tridacna Article Scientific American' Correspondence etc <u>re</u> article 1975; reprint of article 'Giant Clams', <u>Scientific American</u>, <u>232</u> (April 1975); C. 339 letter 1976 proposing further article. 'Tridacna Cardium, Hippopus' Notes, drawings, figures, including Hippopus notes C.340-C.344 1975, 1978. 5 folders. Draft paper 'Functional morphology and evolution in the C.345 Tridacnidae (Mollusca: Bivalvia: Cardiacea)', Records of the Australian Museum, 33 (1981). 'Tridacnidae' C. 346 Notes including 'AIMS [Australian Institute of Marine Science ] Jan/Feb.1978'. 'Cardiacea Hemidonax' Correspondence 1976-79. C.347

C.349	Draft paper 'The taxonomic position of <a href="Hemidonax">Hemidonax</a> Mörch, 1871 with a review of the genus (Bivalvia: Cardiacea)' by Yonge, W F Ponder, P H Colman and M H Colman.
	'Cardiacea Cardidae Corculum'
c.350	Correspondence 1976, 1980, 1982.
C.351	Notes, drawings, figures.
c.352, c.353	Photographs. 2 folders.
c.354	Negatives.
c.355	Reprints.
	'Loans, etc. Anomalodesmata Cardiacea'
C.356	Correspondence and papers 1976, 1977, 1979, 1981.
	'Anomiacea Placuna Placunanomia'
c.357, c.358	Notes, drawings etc. 2 folders.
	Relate to paper on form and evolution in the Anomiacea, Phil.Trans.R.Soc.Lond., B.276 (1977).

	'Dimyidae + Plicatula'
c.359-c.362	Correspondence 1977-78; notes, drawings, figures. 4 folders.
C.363	Reprint 'The status of the Plicatulidae and the Dimyidae in relation to the superfamily Pectinacea (Mollusca: Bivalvia)', <u>J. Zool.</u> , <u>176</u> (1975); Abstract of symposium paper 'On the Dimyidae and Plicatulidae - proposed superfamily Plicatulacea', Sydney, May 1979.
C.364	Draft paper 'On the Dimyidae (Mollusca: Bivalvia) with special reference to <u>Dimya corrugata</u> Hedley and <u>Basiliomya goreaui</u> Bayer', <u>J.mollusc.Stud.</u> , <u>44</u> (1978).
	'Miscellaneous unclassified'
C.365	Draft paper 'The ligament in certain "Anisomyarians" ', Malacolgia, 16 (1977).
C.366	Draft paper 'Cementation in the bivalvia' in Van der Spoel, S., van Bruggen, A.C. & Lever, J. (eds.) Pathways in malacology (1979).
C.367	T-11 5 D D 1 1 G-1 1 1001
	Letter from P. Board, 1 September 1981, enclosing his draft paper on 'The adaptation of post larval mussels to settlement'.

	'Placuna'
c.369	Fieldnotes Philippines May 1978; correspondence 1978, 1979, 1981; draft on 'Window-pane harvest'; reprint.
	'Hemipecten N.Australia'
	Hemipecten N.Australia
C.370	Correspondence 1978-80; drawings, etc.
C.371	Photographs.
	'Arcacea Trisidos'
C.372	Correspondence 1978, 1980; notes and drawings.
C.373	Draft paper by R D K Thomas on limitations of
C.3/3	arcoid evolution, latest bibliographical reference 1978.
C.374, C.375	Draft paper by B Morton on twisting in Trisidos, latest bibliographical reference 1981. 2 folders.
C.376, C.377	Figures. 2 folders.
C. 378	'Trisidos' negatives.
c.379, c.380	Reprints. 2 folders.

	'Anomalodesmata Myadora Cleidothaerus'
C.381	Draft paper 'Ligament and Lithodesma in the Lyonsiidae, Pandoridae, Myochamidae and Cleidothaeridae (Pandoracea) and in the Poromyacea (Mollusca: Bivalvia: Anomalodesmata)' by Yonge and B Morton. J.Zool., 191 (1980).
c.382, c.383	Notes, drawings, figures. 2 folders.
C.384	Photographs.
	'Patro'
c.385	Draft paper 'On <u>Patro australis</u> (Gray) with comparisons of structure throughout the Anomiidae (Mollusca: Bivalvia)' <u>Malacologia</u> 20 (1980); referee's report.
C.386	Drawings, figures, photograph.
	'Tridacnidae'
C-387	Referees reports on 'Functional morphology and evolution in the Tridacnidae' (1981); figures; letter 1984.
	'Anomalodesmata'
c.388	Draft by B S Morton on the Parilimyidae, latest bibliographical reference 1981.
C.389, C.390	Figures. 2 folders.

	'Bivalvia Mantle margins'
c.391	Correspondence 1982; draft paper 'Mantle margins with a revision of siphonal types in the Bivalvia', J. mollusc. Stud., 48 (1982)
c.392	Draft paper 'Symmetries and the role of the mantle margins in the Bivalvia', Malacological Review, 16 (1983); proof copy.
C.393	Notes, figures etc.
	'Mollusca Acad. Press'
C.394	Brief correspondence <u>re</u> possible contribution to volume 7 of <u>The Mollusca</u> , 1982.
	'Mactracea/Myacea'
c.395, c.396	Notes and drawings. 2 folders.
C.397	Draft paper 'Ligamental structure in Mactracea and Myacea (Mollusca: Bivalvia)' J. mar. biol. Ass. U.K., 62 (1982); proof copy.
C.398, C.399	Figures. 2 folders.

'Mesodesmacea Last work of C.M. Yonge'

C.400-C.403 Correspondence 1982, notes, drawings, figures, reprints.
4 folders.

#### Untitled

Draft 'On significant criteria in establishment of superfamilies in the bivalvia with creation of the superfamily Mesodesmatacea' by Yonge and J A Allen, latest bibliographical reference 1982; drawings.

'Gastropoda - extracts of papers'

C.405-C.408 List of papers, drafts, various dates. 4 folders.

# Undated research folders

	'Bivalvia Adesmacea Pholas Teredo'
C.409	Notes and drawings.
	'Bivalvia Gastrochaena'
C.410	Notes and drawings.
	'Lamellibranchia Pteriacea Pedalion/Pteria'
C.411	Notes and drawings.
	'Lamellibranchia Deep burrowing, Adaptations, etc.'
C.412	Notes.
	'Lamellibranchia Adductor muscles Nervous system'
0.413	
C.413	Notes and drawings.
	'Cyprina Isocardia (Gareth)'
C.414	Notes and drawings by Gareth Owen.

'Panomya'

C.415 Notes, drawings, figures.

'Vulsella'

C.416 Notes.

Untitled

C.417 Draft on the mantle, rudiments of the head, foot, alimentary canal, vascular system, blood, excretory organs, paginated 1-60.

#### Drawings and figures

C.429-C.432

C.418-C.420	'Drawings Aloidis Mya'. 3 folders.
C.421, C.422	'Anomalodesmata Morton & Yonge figures'. 2 folders.
C.423	'Anomalodesmata "Thraciana" Offodesma (B.Morton)'.
C.424	?Anomia.
C.425-C.428	'Anomiacea'. 4 folders.

'Aspidobranchia figures'. 4 folders.

C.433-C.435	'Misc.Drawings Bivalvia'. 3 folders.
C.436	'Calanus'.
c.437-c.439	'Carditacea'. 3 folders.
C.440-C.443	'Chamidae figures'. 4 folders.
C.444-C.448	'Corals figures, etc.' 5 folders.
c.449-c.452	'Crustacea Caridea, etc.' 4 folders.
C.453	'Drawings etc Digestive Diverticula'.
C.454-C.456	'Etheriidae Acostaea'. 3 folders.
C.457	'Fungiacava drawings'.
C.458-C.460	'Fungiacava Photos, etc.' 3 folders.
C.461	'Figures Misc. Gastropods Pteropoda'.
C.462	'Heteromyarian condition figures'.
C.463	'N.A.Holme I B P Handbook drawings'.
C.464-C.468	'Drawings, etc - Homarus vulgaris'. 5 folders.

c.469-c.472	'Molluscs 78 - 100.' 4 folders. Not a complete sequence.
C.473-C.477	'Molluscs 100 - 30'. 5 folders. The figures are numbered from 105 only.
C.478-C.483	'Molluscs 131 - 160'. 6 folders.
C.484	'Mollusca Primitive mollusca Bivalvia Text-figures, etc.'
C.485	'Morton Locomotion'.
C.486-C.488	'Drawings, etc Ostrea edulis'. 3 folders.
C.489	'Pectinidae Monomyarianism Movement:swimming'.
C.490, C.491	'Pinna'. 2 folders.
C.492	'Miscellaneous figures Pinna Pododesmus Monomyarian condition Anomiacea'.
C.493-C.498	'Protobranchia figures'. 6 folders.
c.499-c.503	'Rock-boring organisms + Petricola Photos & figures'. 5 folders.
C.504	'Saxicavacea Hiatella (Figs etc.)'
c.505-c.509	'Sea Shore Guide Figs.' 5 folders.

C.510-C.513	'Text-figures - Sea Shore'. 4 folders.
C.514	'Significance of ligament'.
C.515	'Drawings - Spisula & Lutraria'.
c.516-c.519	'Spondylus & Plicatula original drawings'. 4 folders.
c.520-c.522	'Tellinacea drawings'. 3 folders.
c.523-c.529	Miscellaneous. 7 folders.
	Large format figures and drawings
C.530	Anomiacea
c.531	Form and habit in species of Malleus
	FORM and mable in species of Marieus
C.532	Saxicavacea
C.532 C.533	

# Index cards Incomplete bibliography of Yonge's scientific papers C.535 arranged by topic. In card index box which also contains incomplete ms and typescript lists of Yonge's papers. Names and addresses of scientific colleagues. In C.536, C.537 two card index boxes. Bibliographical references; biographical information on C.538 zoologists, botanists; lecture notes on marine cultivation, productivity of the sea; newspaper cuttings, etc. card index drawer. Bibliographical references on Cardiacea. In envelope. C.539 Bibliographical references on Monomyariams. C.540 envelope.

D.1 - D.32 SOCIETIES AND ORGANISATIONS SECTION D CALIFORNIAN MALACOZOOLOGICAL SOCIETY 1964, 1970 D.1 Correspondence re membership 1978-80 D. 2 CORAL REEF SOCIETY Yonge became Special Consultant to the Society's Advisory Board in 1978, and served as Honorary Chairman of the Board of Trustees. Brief correspondence; background information on the Society. 1981 D. 3 INTERNATIONAL SOCIETY FOR REEF STUDIES Papers for first AGM of the Society, York, 15 December 1981. INTERNATIONAL UNION OF BIOLOGICAL SCIENCES (IUBS) D.4 Programme, report (by J W Hedgpeth) etc., of symposium on Perspectives in Marine Biology held under the auspices of IUBS, La Jolla, USA, 23 March - 2 April 1956. Yonge spoke on 'Physiology and ecology of reef building corals.' 1973, 1977, 1978 NATURE CONSERVANCY COUNCIL D.5-D.7

- D.5 Hansard report on House of Lords debates 8 May 1973 sent to Yonge by Lord Balerno. Includes debate on the Nature Conservancy Council Bill, introduced to separate the Nature Conservancy from the NERC in order to allow it to support scientific research.
- D.6 Invitation (accepted) to attend and chair a session of Nature Conservancy Council/Royal Society of Edinburgh symposium on the Natural Environment of the Outer Hebrides, Edinburgh, 11-12 October 1977. Includes draft programme.

### Societies and organisations

Papers for Nature Conservancy Council preparatory meeting D.7 on the North Sea Atlas Project, London, 20 November 1978. D.8-D.27 ROYAL SOCIETY 1960-80 Yonge was elected to the Fellowship of the Royal Society in 1946. Royal Society/Universities of Queensland Expedition to the D.8-D.22 Great Barrier Reef, 1973. This joint expedition to extend the work of Yonge's 1928-29 expedition to the northern part of the Reef was conceived It was led by D R Stoddart of Cambridge University. Yonge was appointed chairman of the UK committee overseeing financial and programme arrangements. Correspondence and papers 1969 re visit of Stoddart to D.8 Queensland. 'Summary of plans for the proposed Brisbane-based geophysical D.9 party', sent to Yonge 13 May 1970. Draft and final applications for financial support for the D.10 expedition, July 1971. Correspondence, October 1971 - January 1972. D.11 'Revised programme and budget (January 1973)' of the expedition. D.12 D.13 Correspondence and papers February-April 1973. Correspondence May 1973, chiefly re vacancy in UK party; D.14 'Revised programme and budget (June 1973)' of the expedition. Correspondence from Stoddart (in Queensland) June - October D.15 1973, and copies of correspondence re funding sent to Yonge by the Royal Society 25 July.

### Societies and organisations

- D.16 'Report on Phase I' of the expedition, 16 July 19 August 1973, by Stoddart.
- D.17, D.18 Papers and minutes of meeting of the Great Barrier Reef Expedition Subcommittee, 10 January 1974. Yonge and Stoddart were present.

2 folders.

- D.19 1974, 1976.
- D.20 Correspondence <u>re</u> 'proposed economies in the publication of the "Expedition Volume" by the Royal Society, May-October 1977.
- D.21 'Summary Report' by Stoddart, 6pp duplicated typescript + figures. Nd.
- D.22 Maps.
- D.23-D.26 Royal Society Discussion Meeting on Evolutionary Systematics of Bivalve Molluscs, 18-19 May 1977. Yonge introduced the meeting and spoke on 'Significance of the ligament in the classification of the Bivalvia'.
- D.23 Correspondence and papers <u>re</u> arrangements. Includes list of senior participants and 3pp typescript draft of Yonge's 'Introductory Remarks'.
- D.24 Correspondence arising from meeting.
- D.25,D.26 Legends, figures and plates for publication of proceedings.
  2 folders.
- D.27 Letter thanking Yonge for his contribution 'in the Royal Society's involvement with Aldabra [Atoll] 'as chairman of the Southern Zone Research Committee, 28 April 1980.

# Societies and organisations

D.28,D.29	ROYAL SOCIETY OF EDINBURGH	1926,1972-73	
D.28	Material <u>re</u> reading of Yonge's paper 'The digestive diverticula in the lamellibranchs' to the Society, 8 March 1926.		
D.29	Correspondence and papers <u>re</u> Symposium on the Loch Leven IBP [International Biological Programme] Project sponsored by the Royal Society of Edinburgh, 12-13 June 1973. Yonge opened the symposium.		
D.30	SOCIETY FOR EXPERIMENTAL BIOLOGY	1926-28	
	Yonge was elected a member of the Society in 1927.		
	Programmes of 1926 and 1927 conferences, list of members etc.		
D.31	TROPICAL ECOLOGY GROUP	1974	
	Programme of joint meeting with the Challenger Society on Coral Reefs, London, 22 October 1974. Yonge chaired and introduced the meeting.		
D.32	UNITAS MALACOLOGICA EUROPAEA	1964	
Correspondence and papers re membership.			

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E. 1 - E.47	General Correspondence
E.48 - E.60	Great Barrier Reef Expedition 1928-29
E.61 - E.63	'Miscellaneous Hong Kong and Pacific Science'
E-64 - E-78	Advances in Marine Biology

## General correspondence

E.1	1925	E.21	1966 Nov-Dec
E.2	1926 Jan-June	E.22	1967 Jan-Mar
E.3	1926 Sept-Dec	E.23	1967 Apr, May
E.4	1927, 1928	E.24	1967 June-Dec
E.5	1935, 1936	E.25	1968 Apr-Oct
E.6	1943-46	E.26	1968 Nov, Dec
E.7	1949-51	E.27	1969
E.8	1952	E.28	1969 May
E.9	1953	E.29	1970 Jan-June
E.10	1954 Jan-Sept	E.30	1970 July
E.11	1954 Oct	E.31	1970 Aug, Sept
E.12	1955-59	E.32	1970 Oct-Dec
E.13	1960	E.33	1971 Jan-July
E.14	1961-63	E.34	1971 Aug-Dec
E.15	1964 Mar-Aug	E.35	1972 Jan-June
E.16	1964 Sept-Dec	E.36	1972 July-Dec
E.17	1965	E.37	1973
E.18	1966 Jan-July	E.38	1974
E.19	1966 Aug	E.39	1975
E.20	1966 Aug-Oct	E.40	1976

## Correspondence

E.41	1977	E.45	1980-83
E.42	1978	E.46	1979,1988-89
E.43	1979 Jan-Apr	E.47	Nd
E 44	1979 June-Nov		

# Great Barrier Reef Expedition 1928-29

Correspondence etc.,  $\underline{re}$  arrangements for the Great Barrier Reef Expedition, including the invitation to Yonge to lead it, and correspondence arising from the Expedition.

- E.48,E.49 'G.B.R. Expedition 1928-29. Correspondence leading up to appointment as leader'. Contents of Yonge's folder so inscribed divided into two.
- E.48 Includes invitation to join expedition, 5 January 1927, and correspondence arising January-May 1927. Also includes related correspondence re the award of the Balfour Studentship at Cambridge to Yonge.
- E.49 Correspondence <u>re</u> expedition June-August 1927, including invitation to lead the expedition.
- E.50-E.59 'Gt. Barrier Reef Exped. Correspondence 1929-1971'.

  Contents of Yonge's folder so inscribed divided into ten:

  miscellaneous correspondence and papers arising from the
  expedition, chiefly related to publications and financial
  arrangements 1929-36.
- E.50 1928, 1929
- E.51 1931

E.60

# Correspondence

E.52	1932
E.53	1933, 1934
E.54	1935, 1936
E.55	1939. Re continuing studies on the Reef.
E.56	1969-70. Includes transcript of English film commentary for documentary on the Great Barrier Reef sent to Yonge 19 December 1969. Possibly related to F.62.
E.57	1971-73. Chiefly <u>re</u> Royal Commissions on Petroleum Drilling on the Reef, including a brief statement by Yonge on the possible effects of drilling on the ecological balance of the Reef, 1 July 1971.
E.58-E.60	Miscellaneous material.
E.58	'Andros Island, Bahamas'. Journal of work on corals 7 May - 19 July 1912. 45pp typescript.
E.59	'List of persons and institutions to receive copies of the Great Barrier Reef Expedition Scientific Reports'; 'Some estimations of the organic content of different corals', 3pp typscript; 'What we found on the Barrier Reef', proof copy of article for Discovery; 'The Great Barrier Reef' by T A Stephenson, 1932, 4pp typescript; etc.

Miscellaneous memorabilia of the Expedition.

### Correspondence

### 'Miscellaneous Hong Kong and Pacific Science'

Contents of Yonge's folder so inscribed: correspondence and papers 1972-79 and nd.

- E.61 Correspondence and papers 1972-73 re plans for a Special Symposium on Marine Sciences and Problems of High Density Living, Hong Kong, 7-16 December 1973.
- E.62 Correspondence with B S Morton 1974-76 chiefly <u>re</u> drafts by Morton sent to Yonge for comment.
- E.63 Correspondence 1977-79, and nd.

#### Advances in Marine Biology

The journal Advances in Marine Biology was founded in 1962 to publish review articles on the subject. Yonge was an Editor for the period covered by the material.

The material is correspondence with editorial colleagues F S Russell, J H S Blaxter and A J Southward, prospective and contributing authors, and with the publishers Academic Press. Yonge himself contributed to volume 21 with a paper on 'Monomyarianism in Bivalves'. The correspondence is arranged chronologically.

E.64	1978	E.72	1982	Aug-Dec
E.65	1979	E.73	1983	Jan-May
E.66	1980 Jan-Mar	E.74	1983	June-Oct
E.67	1980 Apr-Aug	E.75	1983	Sept (1)
E.68	1980 Oct-Dec	E.76	1983	Sept (2)
E.69	1981 Jan-Aug	E.77	1983	Sept (3)
E.70	1981 Sept-Dec	E.78	Nd	
E.71	1982 Jan-July			

SECTION F

NON-PRINT MATERIAL

F.1 - F.62

F.1 - F.54 Photographs

F.55- F.61 Maps

F.62 Tape-recording

### Photographs

F.1 Yonge's card-index drawer labelled 'photographs 1928 Barrier Reef. 1949-50 Year in U.S.A. postcards'. Contains photographs, postcards and other memorabilia. Most of the photographs are in photographic wallets with the subject title inscribed thereon.

The material was organised by Yonge with divider-cards. The titles inscribed on the divider-cards are reproduced first in the catalogue entries below.

'G.B.Reef'. Photographs in wallets inscribed '1928 - Boat to Australia', 'Animals', 'Boat work', 'Experimental apparatus', 'Experimental corals', 'Native boats etc', 'Outer Barrier', 'Personell', 'Reefs & islands'.

'G.B.R. Ex.'. Photographs in wallets inscribed 'Capricorns', 'Corals', 'Fiji Tonga Samoa', 'Michaelmas & Pixie Reefs', 'Tridacna'.

'L.I. [Low Island]'. Photographs in wallets inscribed 'L.I. - buildings', 'Low I. Mangrove & Reef'.

"T[orres]. Strait'. Photographs in wallets inscribed 'Badu & E.S. [East Strait]', 'Murray I.', T[hursday]. I'.

### Non-print material

'Australia'. Photographs in wallets inscribed 'Australia: oysters: fisheries', 'Mainland NQ', 'Tableland', 'Temp. Australia'. Also includes postcards of Sydney.

'Honolulu, etc'. Photographs in wallet inscribed 'La Jolla: Honolulu: Japan. NZ. Red Sea'. Also includes postcards.

'Bermuda'. Photographs, postcards and other memorabilia in wallet inscribed 'Bermuda - 1931'.

'U.S. Oysters'. Photographs in wallets inscribed 'U.S. Oyster Beds - 1931', 'U.S.A. 1931. Lobster hatchery Starfish collecting with tangles'.

'Bahamas etc'. Photographs in wallets inscribed 'Bahamas Miami 1934', 'Tortugas - 1934'.

'Pacific: USA Canada'. Photographs and postcards in wallets inscribed 'Cape May - Pacific Grove - N. York 1939', 'N.York Aquarium', 'Seattle - Friday Harbour - 1939', 'Nanaimo & B. Columbia - 1939'.

'Pc's'. Miscellaneous postcards, photographs and memorabilia.

F.2 Yonge's card-index drawer containing photographs and negatives, postcards, and other memorabilia of visits made c.1924-50.

Most of the photographs are contained in photographic wallets.

The material was organised by Yonge with divider-cards in an approximately chronological sequence. The titles inscribed on the divider-cards are reproduced first in the catalogue entries below.

#### Non-print material

'Edinburgh'. Chiefly holiday snaps. A few inscribed on verso. Three photographs of M J Lennox (later Mrs Yonge) are dated June 1924, July 1924 and April 1925.

'Plymouth: Millport'. Includes photographs of the Millport Marine Biological Station, Scotland, and the Plymouth Laboratory of the Marine Biological Association, some family photographs (a few dated April 1925), and photographs of 'Arenicolacastings' and ?'Wollacombe. 1933'.

'Bristol Channel'. Photographs mostly taken by A J Lloyd. A few inscribed on verso.

'Italy: Austria etc 1923: 25: 27'. Photographs of tourist locations in France, Italy and Austria with some associated memorabilia.

'Villefranche, Monaco, etc'. Includes postcards sent to M J Lennox by Yonge, February 1926, and postcard to Yonge (in Plymouth) from M. Trégouboff, 21 October 1926.

'Arcachon, etc'. Includes postcards to M J Lennox, March 1926, and photographs of 'French Oyster Beds - 1926'.

'Banyuls: Roscoff'. Mostly photographs of 'Banyuls - Pyrenees - Roscoff. 1930'.

'Naples: Sicily'. Mostly postcards and memorabilia of visit to Naples and Sicily 1938.

'Trondhjem: Kristineberg'. Includes postcards to M J Lennox, July and August 1926, and postcards to Yonge (in Plymouth and Leeds) 1926 and 1927.

- 'Bergen'. Postcards, photographs and other memorabilia, mostly from visit to Bergen Museum's Biological Station, Herdla Is., 1936.
- 'Holland'. Includes postcards to M J Lennox during visit to Belgium and France, September 1924, postcards from 'Zuider Zee Amsterdam Aquarium. 1936', photographs and negatives from 'Norway 1948', and 'Photos Annecy, etc. 1950'.
- F.3 F.27 Contents of Yonge's folders of Great Barrier Reef Expedition 1928-29 photographs and negatives.
- F.3 F.8 Photographs used in <u>A year on the Great Barrier Reef</u> (not a complete sequence).
- F.3 Plates I X
- F.4 Plates XI XXX
- F.5 Plates XXXI XL
- F.6 Plates XLI L
- F.7 Plates LI LX
- F.8 Plates LXI LXIX
- F.9 Plates for Yonge's Barrier Reef Report I/13 'The biology of reef-building corals' published 1940. Not a complete set.

- F.10 F.20 Miscellaneous Expedition photographs, arranged according to subject.F.10, F.11 Corals. 2 folders.
- F.12 Expedition members. Most are inscribed or labelled on verso.
- F.13 Low Island.
- F.14 Mangrove swamps.
- F.15 F.17 Reefs. 3 folders.
- F.18 F.20 Miscellaneous. 3 folders.
- F.21 Photographs of coral at 'Pa'ca, Tahiti Aug.1929'.
- F.22 Photographs from Tortugas, Bahamas and Hawaii.
- F.23 Set of eight unidentified photographs, possibly taken in Australia.
- F.24 Negatives of 'Experimental Corals. By G W Otter'.
- F.25 Aerial composite photograph of Coates Reef.
- F.26, F.27 Plate glass negatives of official Expedition photographs.

  Two boxes. Each has a 'List of Contents' compiled by

  G W Otter in 1928. The lists of contents do not correspond
  to the actual contents of the boxes.

F.26	Box no.1 (original box). 10 plates.
F.27	Box no.2 (later box). 13 plates.
F.28, F.29	'Plymouth. Teredo, Rafts, etc.' Contents of Yonge's envelope so inscribed divided into two. 1920s.
F.28	Photographs of laboratory and aquarium of the Marine Biological Association, Plymouth; photographs of 'rafts'.
F.29	Envelope of photographs of 'Teredo norvegica'; wallet of photographs and negatives of various equipment.
F.30	'Tongan Islands/Hawaii/Samoa' Contents of Yonge's envelope so inscribed. Photographs ?1920s.
F.31	Mounted photograph of portrait of E J Allen, Director of the Plymouth Marine Laboratory, 1932.
F.32	'Sponge Industry - Bahamas'. Contents of Yonge's envelope so inscribed. Photographs (inscribed on verso) and postcards of sponge collection and preparation probably taken on visit to Bahamas 1934.
F.33	'East Africa'. Contents of Yonge's envelope so inscribed. Photographs of fishing boats etc., probably taken on visit to Lake Tanganyika c. 1937.
F.34	'Naples'. Contents of Yonge's envelope so inscribed. Photographs of the Naples Aquarium ?1938.

- F.35 'Paget s[oun]d Pacific Grove'. Photographs so labelled, most inscribed on verso probably taken on visit to California 1939.
- F.36, F.37 'Prof. C.M. Yonge FRS Mussel culture'. Contents of envelope so inscribed divided into two. Photographs of mussel harvesting in the South of France 1954 (see also C.167-C.172).
- F.38 Photographs of Yonge with Clifford Mortimer and M. Florkin, Duke University, N. Carolina, 1960.
- F.39, F.40 'SMBA [Scottish Marine Biological Association] Millport Dunstaffnage'. Contents of Yonge's envelope so inscribed divided into two.
- Photograph of 'message of congratulation' from SMBA to the Royal Society on the occasion of its tercentenary 1960; photographs of Dunstaffnage Marine Research Laboratory 1968 and 1970; photographs of participants at ?SMBA official dinner, nd, those identified on verso include Yonge, Sir Alister Hardy, Sheina Marshall and H A Cole.
- F.40 Miscellaneous photographs.
- F.41 Group photograph, probably of University of California
  Centennial Symposium on Oceanography, Scripps Institution
  of Oceanography, San Diego, 1-2 February 1968 (see programme
  found with it which is also enclosed).
- F.42, F.43 'The Seas Tridacna & Acanthaster/Fungia Palau & Guam Nov. 1968'. Contents of Yonge's envelope so inscribed divided into two. Photographs of Tridacna gigas etc.

- F.44, F.45 'Conway Mussels'. Contents of Yonge's envelope so inscribed divided into two. Photographs and glass plate negative of mussel industry in Conway, N. Wales. Nd.
- F.46 'Ifaluk Atoll, Western Caroline Islands Photomosaic by U.S. Navy'. Nd.
- F.47, F.48 'Tridacnidae. Photos'. Contents of Yonge's folder so inscribed divided into two. Nd.
- F.49 'Early dredging also coral (Medit) Conchologists First
  Book E A Poe'. Contents of Yonge's envelope so inscribed.
  Photographs of illustrations of early dredging etc. equipment.
  Nd.
- F.50, F.51 Miscellaneous photographs and slides found in Yonge's envelopes. Two folders.

#### Large-format photographs

- F.52 Mounted group photograph of Section D (Zoology) of the British Association for the Advancement of Science meeting, Leeds 1927, with key.
- F.53 'X-ray photographs Shipworms by F A Board...' Contents of Yonge's 14" x 17" x 1" box so inscribed. Photographs and X-rays 1968 and 1969.
- F.54 Photographs of 'Flat-toped coral, taken near Heron Island 1951' and 'Big Tree in "The Avenue of the Giants"... California'.

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F.55 - F.59	Navigational maps of the Great Barrier Reef.
F.55	'Coral Sea and Great Barrier Reefs'
F.56	'Australia - northern portion'.
F.57	'Cape Grafton to Hope Islands'
F.58	'Hope Islands to Turtle Group'
F.59	'Turtle group to Claremont point'
F.60	Two maps of the Great Barrier Reef prepared for the Great Barrier Reef Committee.
F.61	Maps of Great Barrier Reef and Mer Island for Yonge's book A year on the Great Barrier Reef, maps B, D and F.

## Tape-recording

F.62 'Commentary of Lowe Island film. By W'.

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