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INFORMATION SERIES

**Recent Cephalopoda in the
Collections of the
Royal Scottish
Museum, Edinburgh**

DAVID HEPPELL and SHELAGH M SMITH

NATURAL HISTORY 10

MARCH 1983

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Erratum

p.80 For "Robson (1909, 1922)" read "Russell (1909, 1922)"

Continued on back cover

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DAVID HEPPELL and SHELAGH M SMITH

MARCH 1983

1881

Recent Cephalopods in the

Collections of the

Royal Society

Museum, Edinburgh

DAVID HORTON and PATRICK H. SMITH

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INTRODUCTION

The present Catalogue attempts to list all Recent Cephalopoda contained in the collections of the Royal Scottish Museum, together with a small number listed in the museum registers which cannot now be traced. The idea for this Catalogue arose in the course of an extensive revision of the cephalopod collections, when it was realised that much of the data in the old card index and catalogues was inadequate, that many specimens had been misidentified or not identified at all, and that a number of specimens mentioned in various publications had in fact never been registered.

The origin of the collections of the Natural History Department begins with the specimens accumulated by Edinburgh University into a museum for teaching purposes. An inventory of this material was drawn up in 1812 and additions were recorded annually thereafter. This marks the start of an uninterrupted series of registers continuing to the present day. Up till 1854 all this material was entirely in the charge of the University, though it was known as the Natural History Museum of Edinburgh and limited access to it could be obtained by the public. In 1855 this museum, housed in the Old College, together with the Industrial Museum of Scotland established the previous year, were transferred to the responsibility of the Department of Science and Art. Subsequently they were to come under the aegis of the Privy Council of the Committee on Education and were formally united in 1864 as the Edinburgh Museum of Science and Art. Since 1904 the museum has been known by its present name.

In 1865 transfer of the Natural History collections into the new building commenced and the doors were opened to the public in 1866. No record seems to have been kept of any specimens which were retained by the University for teaching purposes and it seems likely that much of the older material which had deteriorated was destroyed at this time. No consistent system of identifying individual specimens by the use of the register number had been operated, and these factors will account for some of the earliest material listed in the registers not now being evident in the collections. Even after this time the collections were regarded as being primarily for teaching and display rather than scientific reference purposes, and specimens withdrawn from the collections for exhibition tended to lose their individual data, and thus may continue to exist in the collections but cannot now be associated with their register number.

Although a "cuttlefish" is listed as early as 1824, there were few cephalopods, apart from the shells of *Nautilus* and *Argonauta*, added to the collections in the nineteenth century. In 1907 after the arrival in the museum of James Ritchie there seems to have been a deliberate policy of collecting cephalopods. Both Ritchie, and later A.C. Stephen, were particularly interested in the large Ommastrephidae and the giant squid *Architeuthis*, of which the collections contain a number of examples. Unfortunately much of the information on these important specimens has had to be patched together from careful detective work among the archives, as the data with the specimens was rudimentary.

Perhaps the most important series of cephalopods in the museum is that gathered together by A.C. Stephen from the material collected by the Fisheries Board for Scotland. This was not registered until 1958, although much of it was the basis of data published by Stephen in 1944. Much of the data with these specimens has been carefully checked back against the original ships' notebooks and other manuscripts housed in the Aberdeen Marine Laboratory, and in this way a number of errors in the museum registers and on specimen labels have been corrected. Another important though small collection is that of the Scottish National Antarctic Expedition, of which the cephalopods were recorded by Hoyle in 1912.

In the present Catalogue all specimens acquired by the museum up till the end of 1981 are listed in systematic sequence. The number given before the generic name is the biocode used in the museum for cataloguing purposes. Within any species the sequence of specimens is broadly geographical, arranged from north to south and from west to east, and the localities have been standardized in a descending hierarchical sequence, e.g. North Atlantic: North Sea: Firth of Forth: Isle of May. The latitude and longitude have been added in all cases where the locality data are sufficiently precise. The register number of each lot is given and if quoted elsewhere should always be prefixed by the museum code RSMNH. In the registers each collection acquired is numbered serially within the year, so the first registered in 1960 is numbered 1960.1 or, from 1977, in the form 1977001. Individual entries within the collection are separated from this number by a period, as 1960.1.24 or 1977001.24. In a few large collections where individual lots may be catalogued in any sequence over a long period of time a system of numbering has been

used for Mollusca embodying part of the biocode. Thus the number 1961.61.97318 is used for the eighteenth *Argonauta* registered from the A.E. Salisbury collection.

Specimens obtained during scientific investigations of the Aberdeen Marine Laboratory or its forerunners are labelled with Haul Numbers, which are station numbers assigned at sea. At first, simple numbers were used, but these were later modified to include a year code, e.g. 25/1094, and more recently the research vessel involved was also indicated, e.g. C78/681.

The authors gratefully acknowledge the help generously given by staff of the Aberdeen Marine Laboratory, and thank them for making available the unpublished original data relating to the scientific investigations.

SYSTEMATIC LIST OF SPECIES INCLUDED

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Class CEPHALOPODA

Family NAUTILIDAE

- 01.01 *NAUTILUS* L., 1758
Nautilus macromphalus Sowerby, 1849
Nautilus pompilius L., 1758
Nautilus scrobiculatus Lightfoot, 1786

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Family SPIRULIDAE

- 10.01 *SPIRULA*
Spirula spirula (L., 1758)

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Family SEPIIDAE

- 11.01 *SEPIA* L., 1758
Sepia australis Quoy & Gaimard, 1832
Sepia braggi Verco, 1907
Sepia brevimana Steenstrup, 1875
Sepia burnupi Hoyle, 1904
Sepia dollfusi Adam, 1941
Sepia elegans Orbigny, 1826
Sepia gibba Ehrenberg, 1831
Sepia incerta Smith, 1916
Sepia indica Orbigny, 1845
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Sepia thurstoni Adam & Rees, 1966
Sepia (Hemisepius) typica Steenstrup, 1875
Sepia sp.

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- 11.02 *SEPIELLA* Gray, 1849
Sepiella cyanea Robson, 1924
Sepiella inermis (Férussac & Orbigny, 1835)
Sepiella ornata (Rang, 1837)

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Family SEPIOLIDAE

- 13.01 *SEPIOLA* Leach, 1817
Sepiola atlantica Orbigny, 1839
Sepiola aurantiaca Jatta, 1896
Sepiola intermedia Naef, 1912
Sepiola robusta Naef, 1912
Sepiola sp.
13.02 *EUPRYMNA* Steenstrup, 1887
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Rondeletiola minor Naef, 1921
13.05 *SEPIETTA* Naef, 1912
Sepietta neglecta Naef, 1916
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13.10 *ROSSIA* Owen, 1834
Rossia glaucopis Lovén, 1845
Rossia macrosoma (delle Chiaje, 1829)
Rossia sp. ova
Unidentified Sepiolidae

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Class CEPHALOPODA

Family NAUTILIDAE

01.01 *NAUTILUS* L., 1758

Nautilus macromphalus Sowerby, 1849

- 2 specimens, shells only, polished and carved. Pacific: New Caledonia: Noumea.
22°16'S, 166°27'E.
I. Kinnear. 1962.20.1
- 3 specimens, shells only, 2 of which are broken. Pacific: New Caledonia.
F. MacKellar. 1853.4.90101
- 2 specimens, shells only, juveniles. No locality.
General Blair. 1905.131.90101
- 1 specimen, shell only. No locality.
Bell-Pettigrew. 1959.52.90101
- 1 specimen, shell only. No locality.
A.E. Salisbury. 1961.61.90101
- 2 specimens, shells only, polished and carved. No locality.
L.E. Forester-Paxton. 1973.45.1

Nautilus pompilius L., 1758

- 1 specimen, shell only. Indian Ocean: Mauritius. 1850.
W. Johnstone. 1925.26.90101
- 1 specimen, shell only. Pacific: Australia.
Australian Museum, Sydney, per Edward P. Ramsay. Unregistered.
Transferred from the Anatomical Museum, Edinburgh University.
Originally the entire animal was preserved in spirit; it was found to be completely dried up
and beyond recovery in February 1978 and only the shell has been retained.
- 1 specimen, a shell containing a wax model of the animal. Pacific: New Guinea.
A. Wilkins. 1955.50.4
- 2 specimens, shells only, 1 of which is broken. Pacific: New Hebrides: Pentecost Island.
15°42'S, 168°10'E.
G. Mills. 1956.13.1
- 1 specimen, shell only, carved, broken. Pacific.
1913.1.27. Transferred from RSM Art Department with original register number X 745.3.
- 4 small specimens, shells only. South Pacific. 1875.
W. Evans. 1978019.1
Collected during the "Challenger" Expedition, 1872-76, by Dr A. Crosbie.
- 1 small specimen, shell only. South Seas.
R. Dunlop. 1967.14.90101
- 6 specimens, shells only. No locality.
J. Thompson. 1888.89.4
- 1 specimen, shell only. No locality.
W. Nicol. 1959.43.90101
- 2 specimens, shells only. No locality.
J. Fleming. 1959.44.90101
- 5 juvenile specimens, shells only. No locality.
Bell-Pettigrew. 1959.52.90102

- 3 specimens, polished shells. No locality.
Bell-Pettigrew. 1959.52.90103
- 1 specimen, partly polished shell. No locality.
Bell-Pettigrew. 1959.52.90104
- 1 specimen, shell only. No locality.
Bell-Pettigrew. 1959.52.90105
- 1 specimen, shell only, cut into 2 halves. No locality.
Bell-Pettigrew. 1959.52.90106
- 3 juvenile specimens, shells only. No locality.
A.E. Salisbury, e coll. Tilbury. 1961.61.90102
- 1 specimen, shell only. No locality.
A.E. Salisbury, e coll. Dr Stookes. 1961.61.90103
- 2 specimens, shells only, 1 of which is broken. No locality.
A.E. Salisbury. 1961.61.90104
- 1 specimen, shell only, cut away. No locality.
A.E. Salisbury. 1961.61.90105
- 1 specimen, shell only, carved. No locality.
A.E. Salisbury. 1961.61.90106
- 2 septa. No locality.
A.E. Salisbury. 1961.61.90107
- 1 specimen, shell only, polished and carved. No locality.
I. Kinnear. 1962.20.2
- 3 carved septa. No locality.
Grierson Museum. 1974.130.3
- 1 specimen, shell only, cut away. No locality.
Grierson Museum. 1978020.1
- 1 specimen, shell only, broken. No locality.
G. Mathieson. 1978025.1
- 3 specimens, shells only. No locality.
5 specimens, shells only, polished. No locality.
Kinsay Morgan. 1978026.1-2
Received from Jenners' Depository, 6 September 1954.
- 1 specimen, shell only. No locality.
Mr Cockburn. 1978027.1
Presented June 1948.
- 1 specimen, shell only, broken. No locality.
St Margaret's Convent, Edinburgh. Unregistered.

The following unregistered specimens have no information regarding their source:

- 1 specimen, without shell, in spirit.
1 specimen, displayed in a sectioned shell, in spirit.
4 specimens, shells only.
1 large specimen, shell only, inscribed in old copperplate script "Nautilus".
1 small specimen, shell only, sectioned.
1 large specimen, half only of sectioned shell.
1 medium specimen, half only of sectioned shell.
1 shell + half only of sectioned shell, transferred from RSM Geology Department.
2 specimens, shells only, polished.
4 specimens of artificial "pearls" made from portions of juvenile shells.

Nautilus scrobiculatus Lightfoot, 1786

1 specimen, shell only, sectioned. No locality.
W. Nicol. 1959.43.90102

Family SPIRULIDAE

10.01 *SPIRULA* Lamarck, 1801

Spirula spirula (L., 1758)

3 specimens, shells only. North Atlantic: British Isles: Devonshire.
R.K. Greville. 1866.21a.579
Registered as *Spirula australis*.

1 specimen, shell only. North Atlantic: British Isles: Barra Isle: Allasdale.
57°00'N, 07°31'W. 3 August 1967.
A.R. Waterston. 1967.78.1

1 specimen, shell only. North Atlantic: British Isles: South Uist: Grogarry.
57°19'N, 07°24'W. 23 July 1967.
I.H.J. Lyster. 1968.5.41001

3 specimens, shells only. North Atlantic: Morocco: Bir-Retma.
33°31'N, 08°00'W. 1971.
P.G. Oliver. 1981.133.1

4 specimens, shells only. North Atlantic: Canary Islands: Las Palmas.
28°06'N, 15°24'W.
J.H. Ashworth. 1910.22.2
Stalked barnacles are attached to the shells.

1 specimen in spirit. North Atlantic: "Dana" Station 1157 II.
21°57'N, 22°58'W. 600m. 27 October 1921, 0230 hours.
J. Schmidt. 1923.24.1

1 specimen and 2 fragments, shells only. North Atlantic: Bermuda.
30°20'N, 64°45'W.
C.S. Ludlow. (? e coll. B. Goode). 1908.235.91002

1 specimen, shell only. North Atlantic: West Indies: Grand Bahama.
26°40'N, 78°20'W. April 1976.
S.M. Smith, leg. J. Worsfold. 1976051.91001

10 specimens, shells only, some broken. North Atlantic: West Indies: Bahamas.
J.W. Moir. 1909.115.79
Registered as *Spirula peronii*, 6 specimens.

12 specimens, shells only, broken. North Atlantic: West Indies: Turks Islands.
21°24'N, 71°07'W.
C.S. Ludlow, e coll. Maynard. 1908.235.91001
Originally labelled *Spirula peronii*.

1 specimen of shell with wax model of animal. Atlantic.
A. Wilkins. 1955.50.5.

2 specimens, shells only. Indian Ocean: Zanzibar. 06°10'S, 39°11'E.
R. Rimmer. 1959.56.91001

4 specimens, shells only. Indian Ocean: South Africa: Durban.
29°55'S, 30°56'E. 4 December 1897.
A.E. Salisbury. 1961.61.91005.
Originally labelled *Spirula peronii*.

- 10 specimens, shells only, broken. Indian Ocean: Ceylon.
Major MacDougall. 1911.135.91001
- 7 specimens, shells only. Indian Ocean: West Australia.
A.E. Salisbury. 1961.61.91002
- 1 specimen, shell only, cut away. Indian Ocean: West Australia.
A.E. Salisbury. 1961.61.91004.
Originally labelled *Spirula peronii*.
- 24 specimens, shells only. South Pacific: Australia: Queensland.
A. Crosbie. 1927.120.131.
Collected during the "Challenger" Expedition, 1872-76.
Registered as *Spirula laevis*.
- 1 specimen, shell only. South Pacific: N. Wallis Island.
13°18'S, 176°10'W. 1847.
A. Foster. 1966.22.91002.
Originally labelled *Spirula peronii*.
- 5 specimens, shells only. South Pacific: New Zealand: Mangonui.
35°00'S, 173°34'E.
A.E. Salisbury, e coll. Tomlin. 1961.61.91006.
- 5 specimens, shells only. South Pacific: New Zealand: Whakatana: Ohope.
37°58'S, 177°00'E.
A.E. Salisbury. 1961.61.91003
- 2 specimens, shells only. South Pacific: New Zealand.
R. Dunlop. 1904.99.10-11
Registered as *Spirula peronii*.
- 16 specimens, shells only. South Pacific: New Zealand.
D.H. Graves. 1933.31.1
- 6 specimens, shells only. South Pacific: New Zealand.
A.E. Salisbury. 1961.61.91001
- 1 specimen, shell only. South Pacific: New Zealand.
A.E. Salisbury. 1961.61.91007
- 7 specimens, shells only, some broken. South Pacific: New Zealand.
R. Dunlop. 1967.14.91001
- 6 specimens, shells only. South Pacific: Chile.
Capt. Nash. 1910.137.91001
Registered as *Spirula peronii*.
- 4 specimens, shells only. South Pacific. 1875.
W. Evans. 1978019.2
Collected during the "Challenger" Expedition, 1872-76, and probably given to Evans by
A. Crosbie.
- 1 specimen, shell only. Bachhofner [? sic]. 1904.
A. Foster. 1966.22.91002
Originally labelled *Spirula peronii*.
- 27 specimens in 3 lots, shells only. No locality.
E. Forbes. 1856.29.91001
- 20+ specimens, shells only. No locality.
A. Foster. 1966.22.91003
Originally labelled *Spirula peronii*.
- 7 specimens, shells only. No locality.
T. Brown. 1978021.1

21 specimens, shells only. No locality.
Mr Dixon. 1978029.1

Family SEPIIDAE

11.01 *SEPIA* L., 1758

***Sepia australis* Quoy & Gaimard, 1832**

1 female specimen, dissected, in spirit. South Atlantic: Cape Colony: 8 miles north of Dassen Island.

"Scotia" Station 480. 33°45'S, 18°15'E. 35 fm (65m). 18 May 1904.

W.S. Bruce. 1921.143.563. Hoyle no. 932.

Collected during the Scottish National Antarctic Expedition, 1902-04.

See Hoyle (1912: 281).

2 "bones". Indian Ocean: Natal.

A.E. Salisbury. 1961.61.91101

Originally labelled *Sepia capensis*.

***Sepia braggi* Verco, 1907**

2 "bones". Southern Ocean: Australia: Victoria: Torquay.

38°21'S, 144°19'E.

A.E. Salisbury. 1961.61.91102

***Sepia brevimana* Steenstrup, 1875**

2 "bones". No locality.

Bell-Pettigrew. 1959.52.91101

***Sepia burnupi* Hoyle, 1904**

1 "bone". Indian Ocean: Natal.

A.E. Salisbury. 1961.61.91103

***Sepia dollfusi* Adam, 1941**

1 "bone". No locality.

A.E. Salisbury. 1961.61.91104

***Sepia elegans* Orbigny, 1826**

6 lots of "bones", as detailed below. North Atlantic: British Isles: South Uist:

Grogarry. 57°19'N, 07°24'W.

2 "bones". 23 June 1965.

8 "bones". 10 July 1966.

2 "bones". 16 July 1966.

1 "bone". 19 July 1967.

8 portions of "bones". 14 July 1968.

1 "bone". 21 July 1968.

A.R. Waterston. 1959.21.41101-41106

1 "bone". North Atlantic: British Isles: Barra Isle: Traigh Eais.

57°02'N, 07°28'W. 31 July 1972.

A.R. Waterston. 1978036.41101

3 lots of "bones", as detailed below. North Atlantic: British Isles: Barra Isle:
Allasdale. 57°00'N, 07°31'W.
1 worn "bone". 3 August 1968. A.R. Waterston. 1978036.41107
4 portions of "bones". 8 August 1966. A.R. Waterston. 1967.78.2
1 fragment of "bone". 11 April 1973. A.R. Waterston. 1978036.41102

3 lots of "bones", as detailed below. North Atlantic: British Isles: Barra Isle:
Craigston Beach. 56°59.5'N, 07°31'W.
2 fragments of "bone". 14 July 1974.
1 "bone". 15 July 1974.
1 "bone". 30 July 1974.
A.R. Waterston. 1978036.41104-41106

1 "bone". North Atlantic: British Isles: Barra Isle: Bartlet's Bay, south of Sgeir Liath.
56°58.5'N, 07°31.5'W. 7 July 1974.
A.R. Waterston. 1978036.41103

2 fragments of "bone". North Atlantic: British Isles: Iona.
56°20'N, 06°26'W. July 1979.
A.S. Clarke. 1979044.41101

2 specimens, in spirit. North Atlantic: British Isles: south of the Stanton Banks.
55°50'N, 07°45'W. 125m. 12 July 1935.
Haul no. 35/1024.
A.C. Stephen. 1958.45.192
Recorded in Stephen (1944: 260).

2 specimens, in spirit. Mediterranean: Naples. 40°51'N, 14°17'E.
Naples Zoological Station. 1883.4.149

1 specimen, in spirit. No locality.
Source unknown. 1918.19
Found without data among the old collections of the RSM in 1918.

***Sepia gibba* Ehrenberg, 1831**

2 "bones". Red Sea.
R. McAndrew. 1869.33.1
Registered as *Sepia lefebvrei*.

***Sepia incerta* Smith, 1916**

1 fragment of "bone". South Africa.
R. Dunlop. 1967.14.91101

***Sepia indica* Orbigny, 1845**

2 "bones". Indian Ocean: Bay of Bengal: Digha. 21°40'N, 87°39'E. 1 March 1929.
A.E. Salisbury, leg. R. Winckworth. 1961.61.91105

***Sepia mestus* Gray, 1849**

2 "bones". South Pacific: Tasman Sea: New South Wales: Tweed River.
28°10'S, 53°31'E.
R. Dunlop. 1967.14.91102

Sepia officinalis L., 1758

- 1 "bone". North Atlantic: British Isles: Shetland. 27 August 1951.
C.W. Charleson. 1978023.1
Recorded by Stephen (1953: 121).
- 1 "bone". North Atlantic: British Isles: Islay: Loch Gruinart.
55°52'N, 06°19'W. 3 September 1950.
G. Miller. 1978022.1
- 1 "bone". North Atlantic: British Isles: South Wales: Pendine Sands.
51°42'N, 04°30'W. April 1923.
A.E. Salisbury, leg. R. Winckworth. 1961.61.41101
- 1 "bone". North Atlantic: British Isles: Devon: Wembury.
50°19'N, 04°05'W. 1940.
D.K. Kevan. 1968.68.41102
- 2 beaks. North Atlantic: British Isles. May 1937.
D.K. Kevan, per A.R. Waterston. 1968.68.41101
- 1 wax model. North Atlantic: British Isles.
A. Wilkins. 1955.50.6
- 1 specimen, in spirit. North Atlantic: North Sea: 80 miles NE of Aberdeen.
Early January 1935.
W. MacDonald. 1935.1
Recorded in Stephen (1944: 260). Found in the collections in 1978 with an undecipherable lead tag and presumed to be this specimen.
- 6 "bones". North Atlantic: North Sea: Aberdeen. 57°08'N, 02°04'W.
February 1954.
Aberdeen Marine Laboratory, per E. Wilson. 1978034.1
See Stephen *et al.* (1957: 179).
- 1 "bone". North Atlantic: North Sea: Firth of Forth: on the beach at
Scoughall near the Peffer Burn. 56°02'N, 02°36'W.
Mrs Dale. 1887.36.1
- 10+ "bones", in spirit. North Atlantic: North Sea: Firth of Forth: Belhaven Sands.
56°00'N, 02°33'W. 27 February 1977.
S.M. Smith. 1977068.1
- 1 small "bone", in spirit. North Atlantic: Brittany: Vivier sur Mer.
48°36'N, 01°46'W. July 1979.
D.W. McKay. 1979079.41101
- 4 "bones". North Atlantic: European Seas.
A.E. Salisbury. 1961.61.91106
- 1 "bone". Mediterranean: Viareggio. 43°52'N, 10°14'E.
Sowerby & Fulton. 1906.47.5
- 2 small specimens, in spirit. ? Mediterranean: Naples.
40°51'N, 14°17'E.
Naples Zoological Station. 1883.4.150
- 1 model of heart and branchiae.
Dr Augoux. 1865.3.6
- 1 beak, dry. No locality.
W.C. McIntosh. 1884.50.8
Registered as 2 specimens of cuttlefish.
- 1 female specimen, in spirit, dissected to show the internal organs.
No locality.
P.A. Müller. 1899.131.6

Internal cartilages, in spirit, dissected out and removed from the body.
No locality.

Marine Biological Association. 1902.125.5

1 specimen, in spirit, dissected to show the "bone". No locality.

Marine Biological Association. 1902.125.6

Central organs of circulation and branchiae, in spirit, dissected out.

No locality.

Marine Biological Association. 1902.125.7

1 male specimen, in spirit, dissected to show the internal organs.

No locality.

Marine Biological Association. 1902.125.8

2 specimens, in spirit, 1 of which is dissected to show the nervous system.

No locality.

Marine Biological Association. 1903.20.4

1 small specimen, in spirit. No locality.

Rowland Ward. 1911.92.34

1 model of female, deep dissection.

Les Fils d'Emile Deyrolle. 1913.166.8

1 model of female, superficial dissection.

Les Fils d'Emile Deyrolle. 1913.166.9

1 jar of cuttlebone powder "Pulvis Os Sepiae".

Messrs. Boots. 1918.10

6 dried ink sacs and a block of prepared ink (artists' "Sepia").

C. Roberson & Co. 1918.13

1 specimen, in spirit. No locality.

Source unknown. 1918.17

Found without data in the collections in 1918.

Egg cases on *Fucus*, in spirit. No locality.

Marine Biological Association. 1918.26.2

5 "bones". No locality.

A.E. Salisbury. 1961.61.91107

The following unregistered specimens have no information regarding their source:

1 large specimen, in spirit, in old display jar.

1 specimen, in spirit, dissected.

1 male specimen, in spirit, dissected to show internal organs.

1 small part of the chitinous part of a "bone". This appears to have been part of a display of cuttle bones for use as polishing material and dentifrice, transferred from the RSM Art

Department with original register number 307.4

***Sepia papillata* Quoy & Gaimard, 1832**

1 "bone". South Africa.

M.A. Moir. 1871.22.1

3 "bones". South Africa.

R. Dunlop. 1967.14.91103

2 "bones". No locality.

A.E. Salisbury. 1961.61.91108

Sepia pharaonis Ehrenberg, 1831

2 "bones". South Pacific: Tasman Sea: New South Wales: Tweed River.
28°10'S, 153°31'E.
R. Dunlop. 1967.14.91104

2 "bones". No locality.
A.E. Salisbury. 1961.61.91109

Sepia plangon Gray, 1849

3 "bones", broken. South Pacific: Tasman Sea: New South Wales: Tweed River.
28°10'S, 153°31'E.
R. Dunlop. 1967.14.91105

Sepia recurvirostris Steenstrup, 1875

1 "bone". Southern Ocean: Australia: Victoria: Torquay.
38°21'S, 144°19'E.
A.E. Salisbury. 1961.61.91110
The locality given is outside the known range of the species and may be an error.
Originally labelled *Sepia capensis*.

Sepia simoniana Thiele, 1921

3 "bones". South Africa.
R. Dunlop. 1967.14.91106

1 "bone". No locality.
A.E. Salisbury. 1961.61.91111

Sepia thurstoni Adam & Rees, 1966

1 "bone". South Pacific: Tasman Sea: New South Wales: Tweed River.
28°10'S, 153°31'E.
R. Dunlop. 1967.14.91107

Sepia (Hemisepius) typica Steenstrup, 1875

2 female specimens, in spirit, dissected. South Atlantic: Cape Colony: Saldanha Bay.
"Scotia" Station 482. 33°04'S, 18°00'E. 8-10fm (15-18m). 19 May 1904.
W.S. Bruce. 1921.143.564. Hoyle nos. 933, 1380.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 281) as *Hemisepius typicus*.

Sepia sp.

1 "bone" of juvenile, in spirit. No locality.
A.E. Salisbury. 1961.61.91112

11.02 *SEPIELLA* Gray, 1849

Sepiella cyanea Robson, 1924

1 "bone", and 4 "bones". Indian Ocean: Natal: Durban.
29°55'S, 30°56'E.
A.E. Salisbury. 1961.61.91113-91114

Sepiella inermis (Férussac & Orbigny, 1835)

1 "bone". Indian Ocean: Arabian Sea: Bombay: Juhu beach.
19°07'N, 72°49'E. 4 November 1928.
A.E. Salisbury, leg. R. Winckworth. 1961.61.91116

2 "bones". Indian Ocean: Bay of Bengal: Madras. 13°05'N, 80°17'E.
10 November 1924.
A.E. Salisbury, leg. R. Winckworth. 1961.61.91115

Sepiella ornata (Rang, 1837)

1 specimen, in spirit, with "bone" dissected out. Atlantic: West Africa: Sierra Leone.
D.H. Mills. 1956.14.1

Family SEPIOLIDAE

13.01 *SEPIOLA* Leach, 1817

Sepiola atlantica Orbigny, 1839

1 specimen, in spirit. North Atlantic: West Ireland: Galway Bay.
53°09'N, 09°16'W. 7 July 1976.
Royal Scottish Museum. 1976058.41301

6 specimens, in spirit. North Atlantic: Faroe: Enniberg.
62°37'N, 06°33'W. 111m. 27 June 1929. Haul no. 29/793.
A.C. Stephen. 1958.45.72
Registered as 1 specimen.

3 specimens, in spirit. North Atlantic: Faroe. 62°22'N, 07°38'W. 114m. 4 July 1925.
Haul no. 25/1065.
A.C. Stephen. 1958.45.52

6 specimens, in spirit. North Atlantic: Norwegian Sea.
63°44'N, 02°35'W. 114m. 27 June 1925. Haul no. 25/935.
A.C. Stephen. 1958.45.50

5 specimens, in spirit. North Atlantic: Norwegian Sea.
63°19'N, 02°48'W. 127m. 27 June 1925. Haul no. 25/943.
A.C. Stephen. 1958.45.51

15 specimens, in spirit. North Atlantic: British Isles: Shetland.
60°22'N, 01°31'W. 75m. 8 September 1920. Haul no. 24468.
A.C. Stephen. 1958.45.47
Registered as 7 specimens, but an additional 8 originally identified as *Sepiola pfefferi*
(1958.45.89) have been transferred to this lot.

1 juvenile specimen, in spirit. North Atlantic: British Isles: between Shetland and
Orkney. 59°48'N, 02°38'W. 82m. 15 August 1925. Haul no. 25/1348.
A.C. Stephen. 1958.45.54

1 juvenile specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°45'N, 03°10'W. 20 September 1980. Haul no. E80/246.
 D.W. McKay. 1980038.41316

1 specimen, in spirit. North Atlantic: British Isles: Orkney.
 59°31.5'N, 02°38'W. 84m. 26 February 1980. Haul no. E80/50.
 D.W. McKay. 1980038.41308

1 specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°27'N, 02°58'W. 73m. 27 February 1980. Haul no. E80/32.
 D.W. McKay. 1980038.41307

1 juvenile specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°15'N, 03°50'W. 16 September 1980. Haul no. E80/165.
 D.W. McKay. 1980038.41313

1 juvenile specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°15'N, 03°30'W. 19 September 1980. Haul no. E80/230.
 D.W. McKay. 1980038.41315

1 juvenile specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°05'N, 03°30'W. 70m. 6 September 1980. Haul no. E80/163.
 D.W. McKay. 1980038.41312

1 juvenile specimen, in formalin. North Atlantic: British Isles: Orkney.
 59°05'N, 03°30'W. 74m. 19 September 1980. Haul no. E80/228.
 D.W. McKay. 1980038.41314

6 specimens, in spirit. North Atlantic: British Isles: Orkney: Smoogro Bay,
 Scapa Flow. 58°56'N, 03°06'W. 3 August 1925.
 Haul no. 25/1225.
 A.C. Stephen. 1958.45.53

6 specimens, in spirit. North Atlantic: British Isles: off Orkney.
 58°56'N, 01°42'W. 15m. 26 August 1937. Haul no. 37/173.
 A.C. Stephen. 1958.45.80

1 small specimen, in formalin. North Atlantic: British Isles: off Butt of Lewis.
 58°45'N, 06°10'W. 113m. 31 August 1979. Haul no. S79/169.
 D.W. McKay. 1980038.41303

1 specimen, in spirit. North Atlantic: British Isles: Pentland Firth.
 58°40'N, 04°00'W. 77m. 30 November 1978. Haul no. C78/701.
 D.W. McKay. 1980038.41301

2 juvenile specimens, in formalin. North Atlantic: British Isles: Butt of Lewis.
 58°35'N, 06°10'W. 18 October 1980. Haul no. S80/717.
 D.W. McKay. 1980038.41317

2 specimens, in spirit. North Atlantic: British Isles: Minch.
 58°29'N, 05°52'W. 104m. 3 September 1930. Haul no. 30/1720.
 A.C. Stephen. 1958.45.74
 Registered as 1 specimen.

1 juvenile specimen, in formalin. North Atlantic: British Isles: Minch.
 58°25'N, 05°50'W. 6 October 1980. Haul no. S80/622.
 D.W. McKay. 1980038.41318

1 specimen, in spirit. North Atlantic: British Isles: Minch.
 58°14'N, 06°02'W. 123m. 8 May 1927. Haul no. 27/908.
 A.C. Stephen. 1958.45.60

1 juvenile specimen, in spirit. North Atlantic: British Isles: Minch:
 Firemore Bay. 57°50'N, 05°40'W. 4m. 19 August 1971.
 Aberdeen Marine Laboratory. 1980052.41301

- 1 small specimen, in spirit. North Atlantic: British Isles: Minch: Gairloch.
57°43'N, 05°45'W.
W.C. McIntosh. 1981129.1
Specimen found in display jar with a specimen of *Sepietta oweniana*, with an erroneous register number 1877.22.8. It is likely that this specimen was part of the McIntosh material transferred from Perth Museum, register numbers 1877.18, 1878.47, and overlooked when this was catalogued.
- 1 specimen, in spirit. North Atlantic: British Isles: Loch Sunart: shore of Carna Isle. 56°40'N, 05°53'W. September 1961.
M. & E. Harrison. 1978017.1
- 1 male specimen, in spirit. North Atlantic: British Isles: Firth of Lorne. 80-120m.
A.C. Stephen. 1978033.41301
Part of the residue of Stephen's collection which for some reason was not registered under 1958.45.
- 5 specimens, in spirit. North Atlantic: British Isles: Islay. 55°53'N, 06°18'W.
11m. 3 September 1927. Haul no. 27/1849.
A.C. Stephen. 1958.45.64
- 25 specimens, in spirit. North Atlantic: British Isles: Sea of the Hebrides.
55°42'N, 06°36'W. 83m. 31 August 1927. Haul no. 27/1832.
A.C. Stephen. 1958.45.63
- 2 specimens. North Atlantic: British Isles: Firth of Clyde.
55°42'N, 05°07'W. 115m. 16 September 1927. Haul no. 27/2043.
A.C. Stephen. 1958.45.66
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°16'W. 64-74m. 6 September 1927. Haul no. 27/1906.
A.C. Stephen. 1958.45.65
- 2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°06'W. 42m. 19 September 1927. Haul no. 27/2075.
A.C. Stephen. 1958.45.67
- 1 specimen, in spirit. North Atlantic: British Isles: mouth of Firth of Clyde between Mull of Kintyre and Ailsa Craig. 29-60fm (54-110m).
A.C. Stephen. 1958.45.82
- 3 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: off Sanda Isle.
25-30fm (45-55m).
A.C. Stephen, e coll. Pearcey. 1978033.41302
Originally labelled *Rossia macrosoma*. Part of the residue of Stephen's collection not registered under 1958.45.
- 1 wax model. North Atlantic: British Isles.
A. Wilkins. 1955.50.7
- Ova on colony of *Sertularella*, in formalin. North Atlantic: English Channel: Eddystone Ground. 50°11'N, 04°16'W. May 1914.
Marine Biological Association. 1918.26.4
Det. W.J. Rees.
- 1 specimen, in spirit. North Atlantic: North Sea. 59°46'N, 00°24'E. 122m.
20 July 1930. Haul no. 30/1248.
A.C. Stephen. 1958.45.73
- 3 specimens, in formalin. North Atlantic: North Sea: Moray Firth.
58°30'N, 03°00'W. 50m. 28 November 1978. Haul no. C78/681.
D.W. McKay. 1980038.41302
- 1 specimen, in spirit. North Atlantic: North Sea: Moray Firth.
58°17'N, 01°03'W. 112m. 1 June 1927. Haul no. 27/1109.
A.C. Stephen. 1958.45.61

46 specimens, in spirit. North Atlantic: North Sea. 58°13'N, 01°32'W. 114m.
16 January 1905. Haul no. 2257.
A.C. Stephen. 1958.45.43
Recorded by Russell (1922: 25)

1 juvenile specimen, in formalin. North Atlantic: North Sea: Moray Firth.
58°05'N, 02°10'W. 6 September 1980. Haul no. 80/46.
D.W. McKay. 1980038.41311

1 specimen, in formalin. North Atlantic: North Sea: Moray Firth.
58°03'N, 02°57'W. 55m. 24 February 1980. Haul no. E80/28.
D.W. McKay. 1980038.41305

1 specimen, in spirit. North Atlantic: North Sea: Moray Firth.
58°00'N, 02°54'W. 80m. 2 November 1930. Haul no. 30/2187.
A.C. Stephen. 1958.45.75

1 specimen, in formalin. North Atlantic: North Sea: Moray Firth.
57°57'N, 02°50'W. 88m. 24 February 1980. Haul no. E80/29.
D.W. McKay. 1980038.41306

1 specimen, in spirit. North Atlantic: North Sea: Moray Firth.
57°54'N, 03°25'W. 1 March 1977. Haul no. E77/27.
D.W. McKay. 1977055.8

2 specimens, in formalin. North Atlantic: North Sea: Moray Firth.
57°42'N, 02°30'W. 42m. 6 December 1978. Haul no. C78/708.
S.M. Smith. 1979038.41301

3 specimens, in spirit. North Atlantic: North Sea: Moray Firth:
Burghead Bay. 58m. 2 August 1919. Haul no. 23719.
A.C. Stephen. 1958.45.44
Registered as 2 specimens.

17 specimens, in spirit. North Atlantic: North Sea. 57°34'N, 00°01'W. 104m.
8 October 1905. Haul no. 3904.
A.C. Stephen. 1958.45.46
Recorded by Russell (1922: 25).

1 specimen, in spirit. North Atlantic: North Sea: off Peterhead.
57°29'N, 01°49'W. 97m. 5 October 1924. Haul no. 24/1371.
A.C. Stephen. 1958.45.49

1 specimen, in spirit. North Atlantic: North Sea. 57°21'N, 00°23'E. 0-83m.
7 September 1926. Haul no. 26/788.
A.C. Stephen. 1958.45.55

4 specimens, in spirit. North Atlantic: North Sea: Aberdeen Bay.
57°16'N, 01°54'W. 32-36m. 18 February 1931. Haul no. 31/1.
A.C. Stephen. 1958.45.76
Registered as 41 specimens.

1 specimen, in spirit. North Atlantic: North Sea: off Aberdeen.
57°12'N, 02°01'W. 25m. 2 February 1927. Haul no. 27/191.
A.C. Stephen. 1958.45.57

24 specimens, in spirit. North Atlantic: North Sea. 57°07'N, 02°01'W. 22-24m.
20 October 1922. Haul no. 22/365.
A.C. Stephen. 1958.45.48

14 specimens, in spirit. North Atlantic: North Sea: off Aberdeen: Cove Bay.
57°06'N, 02°03'W. 24-37m. 4 April 1931. Haul no. 31/308.
A.C. Stephen. 1958.45.78

- 1 specimen, in spirit. North Atlantic: North Sea: Dog Hole.
57°03'N, 01°56'W. 0-102m. 4 October 1927. Haul no. 27/2239.
A.C. Stephen. 1958.45.68
- 3 specimens, in spirit. North Atlantic: North Sea: Dog Hole.
57°03'N, 01°45'W. 115m. 8 April 1931. Haul no. 31/316.
A.C. Stephen. 1958.45.79
- 1 specimen, in spirit. North Atlantic: North Sea: off Arbroath.
56°39'N, 02°15'W. 11 February 1981. Haul no. E81/2.
D.W. McKay. 1980038.41319
- 1 specimen, in spirit. North Atlantic: North Sea: off Arbroath.
56°38.9'N, 01°37.3'W. 13 February 1981. Haul no. E81/5.
D.W. McKay. 1980038.41320
- 1 specimen, in spirit. North Atlantic: North Sea: Carnoustie Bay.
56°29'N, 02°39'W. 16m. 29 June 1927. Haul no. 27/1425.
A.C. Stephen. 1958.45.62
- 1 specimen, in spirit. North Atlantic: North Sea: Carnoustie Bay.
56°28.5'N, 02°39'W. 22m. 25 February 1927. Haul no. 27/320.
A.C. Stephen. 1958.45.58
- 1 specimen, in spirit. North Atlantic: North Sea: Bell Rock.
56°26'N, 02°23'W. September 1907.
R. Clyne. 1907.128.41301
A note in the register indicates that this collection was destroyed in 1939, but several mollusc specimens from it are extant.
- 2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth: off North Carr Lightship. 56°18'N, 02°33'W. 30 January 1971.
Gatty Marine Laboratory. 1973.8.27
- 51 specimens, in spirit. North Atlantic: North Sea: Firth of Forth.
56°11'N, 02°35'W. 50m. 7 October 1927. Haul no. 27/2263.
A.C. Stephen. 1958.45.69
- 29 specimens, in spirit. North Atlantic: North Sea: Firth of Forth: west of the Isle of May. 48m. 11 January 1906. Haul no. 4264.
A.C. Stephen. 1958.45.45
These specimens were obtained during the "Goldseeker" investigations.
- 3 specimens, in spirit. North Atlantic: North Sea: Firth of Forth: Bass Rock.
56°05'N, 02°43'W. 42m. 2 April 1931. Haul no. 31/260.
A.C. Stephen. 1958.45.77
- 2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05'N, 02°39'W. 36-44m. 15 April 1927. Haul no. 27/686.
A.C. Stephen. 1958.45.59
- 1 small specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05'N, 01°36'W. Surface. 5 November 1927. Haul no. 27/2357.
A.C. Stephen. 1958.45.70
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°04'N, 02°53'W. 17m. 26 October 1926. Haul no. 26/985.
A.C. Stephen. 1958.45.56
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: North Berwick.
56°03.6'N, 02°43.4'W.
B.S. McMurtrie. 1913.75.11
Registered as *Rossia*.

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°02'N, 03°10'W. 13 May 1925. Haul no. "Enid" 30.
A.C. Stephen. 1958.45.81

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°01'N, 03°01'W. 13-26m. 23 November 1927. Haul no. 27/2454.
A.C. Stephen. 1958.45.71

1 specimen, in formalin. North Atlantic: North Sea: Dogger Bank.
55°48'N, 00°44'E. 75m. 16 February 1980. Haul no. E80/22.
D.W. McKay. 1980038.41304

1 specimen, in spirit. No locality.
A.C. Stephen. 1958.45.83

Testes, in spirit. No locality.
A.C. Stephen. 1958.45.84

***Sepiolo aurantiaca* Jatta, 1896**

All specimens with registered number 1958.45 listed as this species were originally identified by A.C. Stephen as *Sepiolo pfefferi* Grimpe, 1921, but they fit the description of *S. aurantiaca* which is now regarded as a valid taxon. *S. pfefferi* may be a separate species or a variety of *S. aurantiaca*, but its name is in any case junior.

1 specimen, in spirit. North Atlantic: British Isles: Flannan Isles.
58°32'N, 07°18'W. 101-110m. 29 August 1930. Haul no. 30/1660.
A.C. Stephen. 1958.45.96

For this and other specimens with registered numbers 1958.45.85-97 see Stephen (1944: 254-255), except where otherwise indicated.

1 specimen, in spirit. North Atlantic: British Isles: Flannan Isles.
58°10'N, 08°16'W. 130m. 27 August 1930. Haul no. 30/1624.
A.C. Stephen. 1958.45.95
Not in Stephen (1944).

1 specimen, in spirit. North Atlantic: British Isles: Shetland.
61°11'N, 01°50'W. 81m. 17 August 1911. Haul no. 18454.
A.C. Stephen. 1958.45.85

3 specimens, in spirit. North Atlantic: British Isles: Shetland.
60°27'N, 01°46'W. 114m. 8 September 1920. Haul no. 24462.
A.C. Stephen. 1958.45.88

2 specimens, in spirit. North Atlantic: British Isles: Shetland.
60°22'N, 01°31'W. 75m. 8 September 1920. Haul no. 24468.
A.C. Stephen. 1958.45.89

Registered as 10 specimens but of these 8 have been re-identified as *Sepiolo atlantica* and transferred to 1958.45.47.

1 specimen, in spirit. North Atlantic: British Isles: west of Orkney.
59°21'N, 05°00'W. 127m. 18 August 1911. Haul no. 18490.
A.C. Stephen. 1958.45.86

19 specimens, in spirit. North Atlantic: British Isles: Pentland Firth.
58°39'N, 03°48'W. 88-103m. 10 August 1928. Haul no. 28/931.
A.C. Stephen. 1958.45.93

1 specimen, in spirit. North Atlantic: British Isles: Minch: Scourie.
58°29'N, 05°14'W. 65m. 5 March 1931. Haul no. 31/72.
A.C. Stephen. 1958.45.97.

1 small specimen, in spirit. North Atlantic: English Channel: Herm.
49°28'N, 02°27'W. Low water mark. 24 September 1980.
Royal Scottish Museum. 1980074.41301

2 specimens, in spirit. North Atlantic: North Sea: Moray Firth.
58°09'N, 03°27'W. 45m. 14 November 1926. Haul no. 26/1059.
A.C. Stephen. 1958.45.91
Not in Stephen (1944). This and the next four lots are recorded in McKay & Smith (1979)
as *S. pfefferi*.

3 specimens, in spirit. North Atlantic: North Sea: 2½' SSE of Bell Rock.
56°24'N, 02°20'W. 44m. 9 November 1911. Haul no. 18858.
A.C. Stephen. 1958.45.87

1 specimen, in spirit. North Atlantic: North Sea: off Firth of Forth.
56°21'N, 01°22'W. Surface. 1 November 1927. Haul no. 27/2331.
A.C. Stephen. 1958.45.92

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°06'N, 02°31.5'W. 41m. 20 December 1928. Haul no. 28/1762.
A.C. Stephen. 1958.45.94

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05'N, 02°32'W. 0-40m. 26 March 1925. Haul no. 25/237.
A.C. Stephen. 1958.45.90

4 specimens, in spirit. No locality.
A.C. Stephen. 1958.45.98
These are possibly the specimens listed in Stephen (1944: 254) from 56°09'N, 02°43'W.
40m. 6 November 1906.

***Sepiola intermedia* Naef, 1912**

4 specimens, in spirit. Mediterranean: Gulf of Naples: Posillipo.
40°51'N, 14°17'E.
1978042.91302
Found unregistered and without source data among the collections of the RSM in 1978.

***Sepiola robusta* Naef, 1912**

4 specimens, in spirit. Mediterranean: Ischia. 40°43'N, 13°54'E.
1978042.91303
Found unregistered and without source data among the collections of the RSM in 1978.

***Sepiola* sp.**

Ova, on *Eunicella*, in spirit. North Atlantic: English Channel: near Eddystone
Lighthouse. 50°11'N, 04°16'W. May 1914.
Marine Biological Association. 1918.26.3

4 embryos, in spirit. North Atlantic: North Sea: Firth of Forth. 1863.
W.C. McIntosh, from "trawlers' boats" landed at Elie, Fife. 1877.18.253
Registered as cuttle spawn.

13.02 *EUPRYMNA* Steenstrup, 1887

***Euprymna* sp.**

1 juvenile specimen, in spirit. South Atlantic: Cape Colony: Saldanha Bay. "Scotia"
Station 482. 33°04'S, 18°00'E. 8-10fm (15-18m). 19 May 1904.
W.S. Bruce. 1921.143.560. Hoyle no. 934.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 280).

13.04 *RONDELETIOLA* Naef, 1912

Rondeletiola minor Naef, 1921

4 specimens, in spirit. Mediterranean: Gulf of Naples. 40°51'N, 14°17'E.
1978042.91301
Labelled "Co-type". Found unregistered and without source data among the collections of the RSM in 1978.

13.05 *SEPIETTA* Naef, 1912

Sepietta neglecta Naef, 1916

All the following specimens were recorded by Stephen (1944: 256).

4 specimens, in spirit. North Atlantic: British Isles: Minch.
57°40'N, 05°58'W. 128-146m. 1 September 1930. Haul no. 30/1682.
A.C. Stephen. 1958.45.132

4 specimens, in spirit. North Atlantic: British Isles: Sea of the Hebrides.
56°54'N, 07°10'W. 148m. 22 August 1928. Haul no. 28/1062.
A.C. Stephen. 1958.45.130

1 specimen, in spirit. North Atlantic: British Isles: Sea of the Hebrides.
56°42'N, 06°36'W. 83m. 31 August 1927. Haul no. 27/1832.
A.C. Stephen. 1958.45.127

1 specimen, in spirit. North Atlantic: British Isles: Loch Fyne.
55°47'N, 05°17'W. 81m. 14 September 1927. Haul no. 27/1962.
A.C. Stephen. 1958.45.128

1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°33'N, 05°24'W. 90m. 22 August 1930. Haul no. 30/1552.
A.C. Stephen. 1958.45.131

4 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°21'N, 05°04'W. 50m. 20 September 1927. Haul no. 27/2093.
A.C. Stephen. 1958.45.129

1 specimen, in spirit, dissected. North Atlantic: North Sea.
59°16'N, 03°42'E. 250m. 2 June 1927. Haul no. 27/1152.
A.C. Stephen. 1958.45.126

The locality is outside the supposed range of the species.

Sepietta oweniana (Orbigny, 1839)

2 specimens, in spirit. North Atlantic: Porcupine Bank.
52°54'N, 12°59'W. 409m. 30 January 1977. "Challenger" Station 77/126.
Scottish Marine Biological Association. 1979111.41301

1 specimen, in spirit. North Atlantic: British Isles: north of Flannan Isles.
58°29'N, 07°35'W. 130m. 16 August 1928. Haul no. 28/1020.
A.C. Stephen. 1958.45.115

This and other specimens of this species registered 1958.45 were noted by Stephen (1944: 255), but precise data were not given.

18 specimens, in spirit. North Atlantic: British Isles: west of Lewis.
58°18'N, 07°02'W. 78m. 3 September 1927. Haul no. 27/1865.
A.C. Stephen. 1958.45.108

20+ specimens, in spirit. North Atlantic: British Isles: off Barra.
56°54'N, 07°10'W. 31m. 22 August 1928. Haul no. 28/1062.
A.C. Stephen. 1958.45.116

- 1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°37'N, 01°04'W. 103m. 17 April 1926. Haul no. 26/421.
A.C. Stephen. 1958.45.101
- 1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°20'N, 02°54'W. 76m. 1 May 1926. Haul no. 26/485.
A.C. Stephen. 1958.45.102
- 15 specimens and mass of ova, in spirit. North Atlantic: British Isles: Orkney:
Ingness Bay. 58°58'N, 02°54'W. 15m. 28-29 June 1928. Haul no. 28/686.
A.C. Stephen. 1958.45.114
- 1 specimen, in spirit. North Atlantic: British Isles: Minch: Gairloch.
57°43'N, 05°45'W.
W.C. McIntosh. 1981129.2
Specimen found in display jar with a specimen of *Sepiolo atlantica*, with an erroneous register number 1877.22.8. It is likely that this specimen was part of the McIntosh material transferred from Perth Museum, register numbers 1877.18, 1878.47, and overlooked when this was catalogued.
- 1 specimen, in spirit. North Atlantic: British Isles: Minch.
58°23'N, 05°26'W. 108m. 1 August 1926. Haul no. 26/633.
A.C. Stephen. 1958.45.103
- 1 specimen, in spirit. North Atlantic: British Isles: Isle of Skye: Loch Bay.
57°31'N, 06°35'W. 31m. 27 August 1930. Haul no. 30/1605.
A.C. Stephen. 1958.45.121
- 14 specimens, in spirit. North Atlantic: British Isles: Sea of the Hebrides: off Coll.
56°42'N, 06°36'W. 83m. 31 August 1927. Haul no. 27/1832.
A.C. Stephen. 1958.45.105
- 44 specimens, in spirit. North Atlantic: British Isles: Sea of the Hebrides.
56°41'N, 06°42'W. 75-84m. 26 August 1930. Haul nos. 30/1592, 30/1593.
A.C. Stephen. 1958.45.120
- 4 specimens, in spirit. North Atlantic: British Isles: off Colonsay. 56°05'N,
06°24'W. 45-52m. 3 September 1927. Haul no. 27/1850.
A.C. Stephen. 1958.45.106
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: Loch Long.
56°00'N, 04°52'W. 61m. 10 September 1927. Haul no. 27/1961.
A.C. Stephen. 1958.45.112
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°44'N, 05°20'W. 64m. 8 September 1927. Haul no. 27/1939.
A.C. Stephen. 1958.45.111
- 1 specimen, in spirit. North Atlantic: British Isles: off Kintyre.
55°30'N, 05°52'W. 64m. 4 September 1927. Haul no. 27/1881.
A.C. Stephen. 1958.45.107
- 3 specimens, in spirit. North Atlantic: British Isles: Kilbrannan Sound.
55°30'N, 05°26'W. 81-86m. 18 April 1930. Haul no. 30/461.
A.C. Stephen. 1958.45.118
- 3 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°16'N, 05°22'W. 48m. 6 September 1927. Haul no. 27/1905.
A.C. Stephen. 1958.45.109
- 14 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°16'W. 64-74m. 6 September 1927. Haul no. 27/1906.
A.C. Stephen. 1958.45.110

- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: off Sanda Isle.
A.C. Stephen, e coll. Pearcey. 1978033.41310
Found with specimens of *Sepiolo atlantica* register number 1978033. 41302. Part of the
residue of Stephen's collection not registered under 1958.45.
- 1 specimen and mass of ova, in spirit. North Atlantic: British Isles: off Loch Ryan.
55°07'N, 05°16'W. 46-59m. 17 April 1930. Haul no. 30/435.
A.C. Stephen. 1958.45.117
- 5 specimens, in spirit. ? North Atlantic: British Isles: Firth of Clyde. 1897.
A.C. Stephen. 1958.45.123.
Labelled "? Clyde".
- 1 specimen, in spirit. North Atlantic: North Sea: Moray Firth: 3¼' off Tarbat Ness.
0-53m. 20 February 1920. Haul no. 25227.
A.C. Stephen. 1958.45.100
- 2 specimens, in spirit. North Atlantic: North Sea: Moray Firth: 3½' off Lossiemouth.
60m. 22 December 1919. Haul no. 23886.
A.C. Stephen. 1958.45.99
- 1 specimen, in spirit. North Atlantic: North Sea: Moray Firth: Portknockie SW by
W 8'. 44m. 9 April 1909.
A.C. Stephen. 1958.45.124
- 1 specimen, in spirit. North Atlantic: North Sea. 57°56'N, 01°03'E. 130m.
17 July 1930. Haul no. 30/1188.
A.C. Stephen. 1958.45.119
- 1 specimen, in spirit. North Atlantic: North Sea: off Aberdeen.
57°12'N, 02°00'W. 31m. 8 February 1927. Haul no. 27/193.
A.C. Stephen. 1958.45.104
- 10 specimens, in spirit. No locality.
A.C. Stephen. 1958.45.125

***Sepiolo* or *Sepietta* spp., unidentified juveniles**

- 1 specimen, in spirit. North Atlantic: British Isles: Shetland.
60°24'N, 01°35'W. 143m. 10 August 1926. Haul no. 26/696.
A.C. Stephen. 1958.45.138
- 1 specimen, in spirit. North Atlantic: British Isles: Shetland.
60°18.5'N, 01°37'W. 14-37m. 10 August 1925. Haul no. 25/1332.
A.C. Stephen. 1958.45.135
- 1 specimen, in spirit. North Atlantic: British Isles: Shetland.
60°08'N, 00°50'W. 115m. 12 August 1926. Haul no. 26/717.
A.C. Stephen. 1958.45.139
- 1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°37'N, 03°32'W. 80m. 15 August 1925. Haul no. 25/1351.
A.C. Stephen. 1958.45.136
- 1 specimen, in spirit. North Atlantic: North Sea: Moray Firth.
58°13'N, 01°32'W. Surface. 27 July 1926. Haul no. 26/547.
A.C. Stephen. 1958.45.137
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°06'N, 02°56'W. 41m. 26 October 1926. Haul no. 26/984.
A.C. Stephen. 1958.45.140
- 2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth:
Aberlady Bay. 56°01'N, 02°59'W. 15m. 16 August 1919. Haul no. 23757.
A.C. Stephen. 1958.45.134

3 specimens, in spirit. No locality.
A.C. Stephen. 1958.45.133
Obtained from tanks at the Gatty Marine Laboratory, St Andrews.

13.10 *ROSSIA* Owen, 1834

Rossia glaucopsis Lovén, 1845

1 specimen, in spirit. Barents Sea.
1 specimen, in spirit. Barents Sea.
1 specimen, in spirit. Barents Sea.
1 specimen, in spirit. Barents Sea.
1 female specimen and ova, in spirit. Barents Sea.
A.C. Stephen. 1958.45.229-233

These specimens were collected during the Bear Island Survey, 1933-38. See Brown & Cheng (1946).

1 male specimen, in spirit. North Atlantic: Iceland. 66°05'N, 20°56'W. 204m.
18 June 1925. Haul no. 25/776.
A.C. Stephen. 1978033.41309
Found in the collections apparently unregistered. Identified by Dr M.C. Mercer as *Rossia sublaevis*.

1 female specimen, in spirit. North Atlantic. 58°43'N, 09°06'W. 1448m.
23 August 1910. Haul no. 226.
A.C. Stephen. 1958.45.173
Identified by Dr M.C. Mercer as *Rossia caroli*.

1 specimen, in spirit. North Atlantic. 60°57'N, 05°47'W. 348m. 24 June 1909.
Haul no. 11191.
A.C. Stephen. 1958.45.176
Recorded by Stephen (1944: 258). Identified by Dr M.C. Mercer as *Rossia sublaevis*.

2 specimens, in spirit. North Atlantic. 60°51'N, 05°47'W. 330m. 9 August 1910.
Haul no. 16639.
A.C. Stephen. 1958.45.178
Recorded by Stephen (1944: 258). Identified by Dr M.C. Mercer as *Rossia sublaevis*.

1 male specimen, in spirit. North Atlantic: British Isles: Shetland. 60°08'N,
00°50'W. 115m. 12 August 1926. Haul no. 26/722.
A.C. Stephen. 1978033.41304
Found in the collections apparently unregistered. Identified by Dr M.C. Mercer as *Rossia palpebroso*.

2 male specimens, in spirit.. North Atlantic. 60°02'N, 03°13'W. 124m.
13 July 1913. Haul no. 21314.
A.C. Stephen. 1958.45.179.
Recorded by Stephen (1944: 258). Identified by Dr M.C. Mercer as *Rossia palpebroso*.

18 specimens, just hatched, in spirit. North Atlantic: British Isles: Minch:
Tiumpan Head WNW 8' to WNW 11'. 110m. 14 March 1910. Haul no. 12319.
A.C. Stephen. 1958.45.177
Recorded by Stephen (1944: 258). Identified by Dr M.C. Mercer as *Rossia palpebroso*.

5 specimens, in spirit. North Atlantic: North Sea: Moray Firth.
58°09'N, 01°50'W. 70m. 14 November 1904. Haul no. 1857.
A.C. Stephen. 1958.45.174
Identified by Dr M.C. Mercer as *Rossia sublaevis*.

1 specimen, in spirit. North Atlantic: North Sea: Moray Firth.
57°40'N, 02°45'W. 92m. 21 April 1911.
A.C. Stephen. 1958.45.181
Identified by Dr M.C. Mercer as *Rossia sublaevis*.

1 specimen, in spirit. North Atlantic: North Sea: off Firth of Forth.
56°35'N, 00°10'W. 10m. 13 August 1906. Haul no. 5650.
A.C. Stephen. 1958.45.175
Identified by Dr M.C. Mercer as *Rossia palpebrosa*.

1 specimen, in spirit. North Atlantic: Norwegian Sea. 61°38'N, 00°41'E. 223m.
17 July 1913. Haul no. 21348.
A.C. Stephen. 1958.45.180
The register entry contains several errors. Recorded by Stephen (1944: 258).
Identified by Dr M.C. Mercer as *Rossia palpebrosa*.

1 specimen, in spirit. No locality.
A.C. Stephen. 1958.45.182
Identified by Dr M.C. Mercer as *Rossia palpebrosa*.

Rossia macrosoma (delle Chiaje, 1829)

1 juvenile specimen, in spirit. North Atlantic: Faroe Bank.
60°54'N, 08°16'W. 115m. 18 August 1927. Haul no. 27/1722.
A.C. Stephen. 1958.45.149

1 juvenile specimen, in spirit. North Atlantic: British Isles: west of Sula Sgeir.
59°04'N, 07°04'W. 182m. 12 July 1906. Haul no. 5665.
A.C. Stephen. 1958.45.141

1 specimen, in spirit. North Atlantic: British Isles: between St Kilda and the
Flannan Isles. 58°10'N, 08°16'W. 130m. 27 August 1930. Haul no. 30/1624.
A.C. Stephen. 1958.45.167

1 specimen, in spirit. North Atlantic: British Isles: Shetland: Ronas Voe.
60°42.5'N, 02°10'W. 149m. 13 March 1927. Haul no. 27/535.
A.C. Stephen. 1958.45.144

1 specimen, in spirit. North Atlantic: British Isles: northwest of Orkney.
59°55.5'N, 03°33.2'W. 128m. 22 July 1980. Haul no. E80/185.
D.W. McKay. 1980038.41309.

2 specimens, in spirit. North Atlantic: British Isles: Shetland.
59°53.7'N, 00°43.5'W. 124m. 11 July 1980. Haul no. E80/169.
D.W. McKay. 1980038.41310

1 specimen, in spirit. North Atlantic: British Isles: Pentland Firth.
58°39'N, 03°48'W. 88-103m. 10 August 1928. Haul no. 28/931.
A.C. Stephen. 1958.45.160

2 specimens, in spirit. North Atlantic: British Isles: Minch.
58°32'N, 05°31'W. 57-70m. 22 July 1976.
D.W. McKay. 1977002.41301
Trawled by MV "Hebridean".

2 specimens, in spirit. North Atlantic: British Isles: Minch.
58°23'N, 05°26'W. 108m. 1 August 1926. Haul no. 26/633.
A.C. Stephen. 1978033.41308
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: British Isles: Minch.
58°18'N, 05°35'W. 104m. 11 May 1927. Haul no. 27/928.
A.C. Stephen. 1958.45.146

2 specimens, in spirit. North Atlantic: British Isles: Minch.
58°03'N, 06°12'W. 137m. 17 August 1928. Haul nos. 28/1027, 28/1034.
A.C. Stephen. 1958.45.161

- 2 specimens, in spirit. North Atlantic: British Isles: Minch.
58°01'N, 05°34'W. 27m. 12 May 1927. Haul no. 27/937.
A.C. Stephen. 1958.45.147
Registered as 1 specimen.
- 2 specimens, in spirit. North Atlantic: British Isles: Minch.
57°59'N, 06°19'W. 158m. 10 May 1927. Haul no. 27/915.
A.C. Stephen. 1958.45.145.
- 1 specimen, in spirit. North Atlantic: British Isles: Minch.
57°50'N, 06°00'W. 116m. 2 March 1931. Haul no. 31/37.
A.C. Stephen. 1958.45.168
- 1 juvenile specimen, in spirit. North Atlantic: British Isles: Isle of Skye: Loch Bay.
57°32'N, 06°37'W. 37m. 27 August 1930. Haul no. 30/1605.
A.C. Stephen. 1958.45.165
- 2 specimens, in spirit. North Atlantic: British Isles: Minch. 10 July 1907.
North Sea Investigations Office. 1913.77.7
- 1 specimen, in spirit. North Atlantic: British Isles: Inner Sound.
57°21'N, 05°50'W. 39m. 14 May 1927. Haul no. 27/974.
A.C. Stephen. 1958.45.148
- Ova, in spirit. North Atlantic: British Isles: Isle of Skye: Loch na Beiste.
57°16.0'N, 05°43.0'W. 15 August 1980.
S.M. Smith. 1980087.41301
- 1 specimen, in spirit. North Atlantic: British Isles: Minch.
57°05'N, 06°05'W. 65m. 20 August 1928. Haul no. 28/1043.
A.C. Stephen. 1958.45.162
- 1 specimen, in spirit. North Atlantic: British Isles: Barra Head.
56°54'N, 07°10'W. 148m. 22 August 1928. Haul no. 28/1062.
A.C. Stephen. 1958.45.143
- 6 specimens, in spirit. North Atlantic: British Isles: Passage of Tiree.
56°28'N, 06°40'W. 120m. 19 June 1981.
S.M. Smith. 1981090.1
Trawled by MV "Argo".
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Lorne.
56°23.2'N, 05°31.5'W. 21 May 1979.
S.M. Smith. 1979078.41301
- 1 juvenile specimen and ova, in spirit. North Atlantic: British Isles: Passage of
Tiree. 56°23'N, 06°45'W. 87m. 23 September 1927. Haul no. 27/2135.
A.C. Stephen. 1958.45.158
Registered as 2 specimens.
- 1 specimen and 3 ova, in spirit. North Atlantic: British Isles: Loch Fyne.
56°11'N, 05°06'W. 138m. 14 September 1927. Haul no. 27/1991.
A.C. Stephen. 1958.45.154
Registered as 2 specimens.
- 1 specimen, in spirit. North Atlantic: British Isles: west of Dubh Artach.
56°02'N, 07°03'W. 78m. 23 August 1928. Haul no. 28/1078.
A.C. Stephen. 1958.45.163
- 2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: Loch Striven.
55°57.5'N, 05°05'W. 61-64m. 9-10 September 1927. Haul no. 27/1953.
A.C. Stephen. 1958.45.152
- 2 specimens, in spirit. North Atlantic: British Isles: Loch Fyne.
55°49'N, 05°18.5'W. 87m. 28 August 1930. Haul no. 30/1595.
A.C. Stephen. 1958.45.164

- 4 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°47'N, 05°17'W. 81m. 14 September 1927. Haul no. 27/1962.
A.C. Stephen. 1958.45.153
- 1 specimen, in spirit. North Atlantic: British Isles: Loch Fyne.
55°31'N, 05°25'W. 73m. 17 February 1978. Haul no. C78/22.
D.W. McKay. 1978040.41301
- 5 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: Whiting Bay.
55°30'N, 05°03'W. 35-55m. 24 September 1897.
A.C. Stephen. 1958.45.170
- 2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°24.3'N, 04°49'W. 16 February 1978. Haul no. C78/20.
D.W. McKay. 1978040.41302
- 4 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°23'N, 05°18'W. 44m. 29 March 1978. Haul no. C78/50.
D.W. McKay. 1978040.41303
- 10 specimens and ova, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°21'N, 05°04'W. 50m. 20 September 1927. Haul no. 27/2093.
A.C. Stephen. 1958.45.157
- 3 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°17'N, 04°59'W. 50-60m. 19 September 1927. Haul no. 27/2076.
A.C. Stephen. 1958.45.156
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°16'N, 05°31.5'W. 48m. 6 September 1927. Haul no. 27/1905.
A.C. Stephen. 1958.45.150
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°11.5'N, 05°22'W. 48m. 6 September 1927. Haul no. 27/1939.
A.C. Stephen. 1958.45.151
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°06'W. 42m. 19 September 1927. Haul no. 27/2075.
A.C. Stephen. 1958.45.155
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde. March 1888.
T. Scott. 1895.11.3
- 2 female specimens, in spirit. North Atlantic: British Isles:
Firth of Clyde. 50-57m.
A.C. Stephen. 1978033.41305
Found in the collections apparently unregistered.
- 1 specimen, in spirit. North Atlantic: Northern Ireland.
55°16'N, 06°41'W. 66m. 21 September 1927. Haul no. 27/2114.
A.C. Stephen. 1958.45.113
Registered as *Sepiola oweniana*.
- 5 juvenile specimens with egg case, in spirit. North Atlantic: North Sea.
60°40'N, 03°18'E. 315m. 19 July 1913. Haul no. 21406.
A.C. Stephen. 1958.45.142
Registered as 1 specimen.
- 7 specimens and ova, in spirit. North Atlantic: North Sea: Moray Firth.
57°50'N, 02°42'W. 96m. 30 September 1927. Haul no. 27/2211.
A.C. Stephen. 1958.45.159
- Egg cases on whale jawbone. North Atlantic: North Sea: 34' NNE of
Kinnaird Head. 2 August 1957.
A.C. Stephen. 1978033.41306
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: North Sea: 40' east of the Isle of May.
June 1901.
W. Jarvie. 1901.66.7
Registered as *Sepioloa scandica*.

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Bass Rock.
56°05.5'N, 02°43'W. 42m. 2 April 1931. Haul no. 31/260.
A.C. Stephen. 1958.45.169

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth:
Portobello. 55°57'N, 03°06'W. Shore. 1 August 1960.
J. Bremner. 1960.25.1
See Rae & Lamont (1963:27)

1 specimen, in spirit. North Atlantic: British Seas.
Source unknown. 1977107.19
Found in the collections apparently unregistered.

2 small specimens, in spirit. Mediterranean: Naples. 40°51'N, 14°17'E.
Naples Zoological Station. 1883.4.148

1 specimen, in spirit. No locality.
A.C. Stephen. 1958.45.171

Spermatophores, in spirit. No locality.
A.C. Stephen. 1958.45.172

1 specimen, in spirit. No locality.
Peterhead Museum. 1978032.2
Received June 1965.

Rossia sp. ova, in spirit

North Atlantic: British Isles: Flannan Isles. 58°32'N, 07°18'W. 101-110m.
29 August 1930. Haul no. 30/1660.
A.C. Stephen. 1958.45.188

North Atlantic: British Isles: Orkney. 58°41'N, 02°37'W. 67m. 23 September 1938.
Haul no. K38/438.
A.C. Stephen. 1958.45.189

North Atlantic: British Isles: Minch. 58°10.5'N, 06°15.5'W. 35m. 3 November 1924.
Haul no. 24/1503.
A.C. Stephen. 1958.45.184

North Atlantic: British Isles: Firth of Lorne. 42m. September 1901.
A.C. Stephen. 1958.45.191

North Atlantic: British Isles: Tiree. 56°18'N, 07°02'W. 78m. 3 September 1927.
Haul no. 27/1865.
A.C. Stephen. 1958.45.185

North Atlantic: British Isles: Firth of Clyde. 55°57.5'N, 04°52'W. 64m.
9 September 1927. Haul no. 27/1953.
A.C. Stephen. 1958.45.187

North Atlantic: British Isles: North Channel. 55°30'N, 05°52'W. 64m.
4 September 1927. Haul no. 27/1881.
A.C. Stephen. 1958.45.186

North Atlantic: North Sea: Moray Firth: Covesea Skerries WSW 3'. 88m.
21 January 1907. Haul no. 6750.
A.C. Stephen. 1958.45.183

North Atlantic: North Sea: Moray Firth: Cullen SW by S 9'. 21 April 1911.
A.C. Stephen. 1958.45.190

Unidentified Sepioidae

1 juvenile specimen, in spirit. North Atlantic: Northern Ireland.
approx. 55°N, 05°W. 13 April 1930. Haul no. 30/363.
A.C. Stephen. 1978033.41311

1 juvenile specimen, in spirit. North Atlantic: North Sea: off Buchan Ness.
57°31'N, 01°19'W. 31 July 1930. Haul no. 30/1386.
A.C. Stephen. 1978033.41307

22 lots of juvenile Sepioidae obtained from midwater trawl plankton samples during scientific investigations of the Department of Agriculture and Fisheries for Scotland.
D.W. McKay. 1977098

There is also a residue of juvenile Sepioidae specimens in very poor condition, with station data, collected by Dr A.C. Stephen but not registered.

Family LOLIGINIDAE

20.01 *LOLIGO* Lamarck, 1798

Loligo forbesii Steenstrup, 1856

Ova, in spirit. North Atlantic: Faroe Bank. 60°54'N, 08°16'W. 115m.
18 August 1927. Haul no. 27/1722.
A.C. Stephen. 1978033.42003

Found unregistered in the collections in 1978. The label in the jar gives this haul no. and the ship's day book has an entry "cuttle spawn". See also 1958.45.196.

50+ beaks, taken from the stomach of a king fish (*Lampris luna*), dry, mounted.
North Atlantic: British Isles: Shetland. 20 October 1900.
T. Scott. 1921.18.2

See Scott (1903: 219). This includes a photograph of the mounted specimens.

1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°12'N, 02°06'W. 93m. 26 February 1980. Haul no. E80/49.
D.W. McKay. 1980038.42004

Ova, in spirit. North Atlantic: British Isles: Minch. 58°27.5'N, 05°16'W. 68m.
28 May 1924. Haul no. 24/581.
A.C. Stephen. 1958.45.196

An old label in the jar gives this haul no., but the haul no. in the register is 27/1722. The ship's day book has an entry "masses of cuttlefish spawn". See also 1978033.42003.

Ova, in spirit. North Atlantic: British Isles: Minch. 58°18'N, 05°35'W. 104m.
11 May 1927. Haul no. 27/920.
A.C. Stephen. 1958.45.195

Ova, in spirit. North Atlantic: British Isles: Minch. 58°17'N, 06°00'W. 123m.
8 May 1927. Haul no. 27/900.
A.C. Stephen. 1958.45.194
See Stephen (1944: 261).

Ova, in spirit. North Atlantic: British Isles: Isle of Skye: Loch Slapin.
57°10.0'N, 05°59.9'W. 19 August 1980.
S.M. Smith. 1980087.42001

1 specimen, in spirit. North Atlantic: British Isles: off Ardamurchan Point.
56°44'N, 06°14'W. 15fm (28m). 22 September 1960.
J.C. Campbell. 1981.139.1

1 pen, dry, and paper painted with ink from ink sac. North Atlantic: English Channel: Isle of Wight: Shanklin. 50°38'N, 01°10'W. June 1914.
A.E. Salisbury, per Morey. 1961.61.42001

- 7 pens, dry + 2 pens, dry. North Atlantic: English Channel: Plymouth.
50°23'N, 04°10'W. 30 June and 18 November 1920.
A.E. Salisbury, per R. Winckworth. 1961.61.42002
- 1 pen, dry. North Atlantic: English Channel: off the Lizard. 49°56'N, 05°13'W.
A.E. Salisbury, 1961.61.42003
- 2 sets of tentacle clubs, in spirit. North Atlantic: ? North Sea. 12 December 1971.
R.G. Meiklejohn. 1981130.1
From fishing boats, Wick, Caithness.
- 1 juvenile, in spirit. North Atlantic: North Sea: Moray Firth. 58°08'N, 03°18'W.
47m. 23 November 1978. Haul no. C78/673.
S.M. Smith. 1979038.42001
- 1 specimen, in spirit. North Atlantic: North Sea: Moray Firth: Inverness.
57°27'N, 04°15'W. 4 March 1937.
A.C. Stephen. 1978033.42005
Found in the collections apparently unregistered.
- 20+ buccal masses, in spirit. North Atlantic: North Sea: off Aberdeen.
57°10'N, 02°00'W. September 1936.
A.C. Stephen. 1978033.42002
Found in the collections apparently unregistered.
- 2 small specimens, in spirit. North Atlantic: North Sea: off Montrose.
56°43'N, 02°27.5'W.
A.C. Stephen. 1978033.42001
Found in the collections apparently unregistered.
- Ova, in spirit. North Atlantic: North Sea: Firth of Forth. 56°29'N, 02°39'W.
15m. 5 October 1928. Haul no. 28/1452.
A.C. Stephen. 1958.45.197
- Ova, in spirit. North Atlantic: North Sea: Firth of Forth: west of the Isle of May.
September 1897.
A.C. Stephen. 1958.45.198
- 1 small specimen, in formalin. North Atlantic: North Sea: Firth of Forth:
off Bass Rock. 56°04.8'N, 02°38.1'W. 40-50m. 21 September 1976.
G. Smaldon, per R. Bremner. 1977054.3
Trawled by MV "Gleaner".
- 2 pens, dry. North Atlantic: North Sea.
J. McMurtrie. 1957.45.42001
Originally labelled *Loligo vulgaris*. Landed at Newhaven, Firth of Forth, from fishing boats.
- Ova, in spirit. North Atlantic: North Sea: St Abb's Head. approx. 55°55'N,
02°08'W. 40fm (74m).
W.C. McIntosh. 1884.50.5
Originally labelled *Loligo vulgaris*.
- 1 juvenile specimen, in formalin. North Atlantic: North Sea. 55°31'N, 00°45.5'W.
8 February 1980. Haul no. E80/15.
D.W. McKay. 1980038.42003
- 1 wax model. North Atlantic: Great Britain.
A. Wilkins. 1955.50.8
- 2 pens, dry. No locality.
D. Knight. 1876.30.1
Registered as 1 cuttlefish pen.
- 1 specimen, in spirit. No locality.
Source unknown. 1918.18
Found in the collections at that date.

2 lots of ova, in spirit. No locality.
Marine Biological Association. 1918.26.1

1 incomplete specimen, comprising the pen, head, arms and tentacles only.
No locality.
S.M. Smith. 1981132.1
The uneaten residue of a specimen bought in an Edinburgh fish shop in 1974.

***Loligo indica* Pfeffer, 1884**

4½ beaks, dry. Indian Ocean: Ceylon: Mannar. 08°59'N, 79°54'E.
30 December 1924.
A.E. Salisbury, leg. R. Winckworth. 1961.61.92001

1 beak, dry. Locality data illegible (? "Rafula" or "Ras ul Q.")
A.E. Salisbury, leg. R. Winckworth. 1961.61.92002

***Loligo pealii* Lesueur, 1821**

1 series of specimens illustrating growth stages from ova to juvenile, in spirit, mounted in display jar.
Flatters & Garnett. 1931.31.5

***Loligo reynaudi* Orbigny, 1845**

1 female specimen + 10+ juvenile specimens, in spirit. South Atlantic: Cape Colony: 8 miles north of Dassen Island. "Scotia" Station 480. 33°45'S, 18°15'E. 35fm (65m).
18 May 1904.
W.S. Bruce. 1921.143.562a, b. Hoyle nos. 927, 930.
Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle (1912: 280) who notes 26 juveniles, not all of which are present. A damaged female specimen, Hoyle no. 1372, "probably of this species", is also not in the collection.

***Loligo vulgaris* Lamarck, 1798**

1 set of pen and beak, dry. North Atlantic: English Channel: Hastings.
50°51'N, 00°36'E.
A. Foster. 1966.22.42001

1 pen, dry. Mediterranean.
Sowerby & Fulton. 1906.47.4
10+ pens, dry. Mediterranean.
A.E. Salisbury. 1961.61.92003

1 pen, dry. No locality.
Source unknown. 1918.34
Found in 1918 amongst miscellaneous dissected fragments in cellar, and registered as "Pen of squid, probably of *Loligo vulgaris*". This is possibly the missing specimen from Sowerby & Fulton, 1904.90.22.

1 set of pen and beak, dry. No locality.
A.E. Salisbury. 1961.61.92006.

***Loligo* sp.**

1 juvenile specimen, in spirit. North Atlantic: Bay of Biscay. "Sarsia" Station 78/4.
43°59'N, 10°32'W. 7 May 1978.
G. Smaldon. 1981131.92001

1 pen, dry. Indian Ocean: Mauritius: Wolmar. 20°17'S, 57°21.5'E.
Strandline. February 1979.
S.M. Smith. 1979080.92001

2 specimens, in spirit. South Pacific: Philippines.
British Museum. 1883.41.70

2 pens, dry. No locality.
A.E. Salisbury. 1961.61.92004-92005

20.02 ALLOTEUTHIS Wülker, 1920

Alloteuthis africana Adam, 1950

1 specimen, in spirit. North Atlantic: Sierra Leone. 07°20'N, 13°34'W. 100m.
September 1952.
D.H. Mills. 1956.14.2

Alloteuthis subulata (Lamarck, 1798)

Many of these specimens support Stephen (1944: 261-262).

6 specimens, in spirit. North Atlantic: British Isles: Orkney.
59°21'N, 03°43'W. 158m. 8 March 1931. Haul no. 31/81.
A.C. Stephen. 1958.45.209

10 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°37'N, 04°50'W. 31m. 19 September 1927. Haul no. 27/2083.
A.C. Stephen. 1958.45.205
Registered as 15 specimens.

3 specimens + ova, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°25'N, 05°29'W. 43m. 22 August 1930. Haul no. 30/1526.
A.C. Stephen. 1958.45.208
The ova are sepiolid.

4 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°23'N, 05°18'W. 44m. 29 March 1978. Haul no. C78/50.
D.W. McKay. 1978040.42001

2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: off Davaar Isle.
55°22'N, 05°30'W. 34m. 19 May 1927. Haul no. 27/1021.
A.C. Stephen. 1958.45.203

2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: between Mull
of Kintyre and Ailsa Craig. 44-60fm (85-110m) and 24fm (46m). December 1900.
F.G. Pearcey. 1918.12
Originally labelled *Loligo media*.

7 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°06'W. 42m. 19 September 1927. Haul no. 27/2075.
A.C. Stephen. 1958.45.204

20+ specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°05'N, 05°04'W. 37m. 5 April 1977. Haul no. C77/3.
D.W. McKay. 1977055.4

7 pens, dry. North Atlantic: English Channel: Plymouth: Whitsand Bay.
50°23'N, 04°10'W. 4-6fm (7-11m). 27 August 1920.
A.E. Salisbury, leg. R. Winckworth. 1961.61.42004

26 specimens, in spirit. North Atlantic: North Sea: Moray Firth.
57°41.5'N, 02°13'W. 19m. 9 May 1931. Haul no. 31/533.
A.C. Stephen. 1958.45.210

Ova, in spirit. North Atlantic: North Sea: Firth of Forth: St Andrews.
56°20'N, 02°47'W.

G. Allman. 1868.12.3

The specimens were probably taken in the North Sea by a fishing boat which landed at St Andrews. Registered as "cuttlefish spawn" and entered in the eard index as *Loligo* sp.

2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth: off North Carr lightship. 56°18'N, 02°33'W. 30 January 1971.

Gatty Marine Laboratory. 1973.8.26

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°11'N, 02°35'W. 50m. 7 October 1927. Haul no. 27/2263.

A.C. Stephen. 1958.45.206

3 specimens, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05.5'N, 02°39.5'W. 36-44m. 15 April 1927. Haul no. 27/686.

A.C. Stephen. 1958.45.201

2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05'N, 03°07'W. 15-22m. 16 April 1927. Haul no. 27/687.

A.C. Stephen. 1958.45.202

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°05'N, 03°07.5'W. 15m. 14 April 1927. Haul no. 27/668.

A.C. Stephen. 1958.45.200

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Aberlady Bay.
56°01'N, 02°59'W. 18m. 19 September 1929. Haul no. 29/1563.

A.C. Stephen. 1958.45.207

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Aberlady Bay.
56°01'N, 02°55'W. 4 May 1912.

North Sea Investigations Office. 1913.77.6

Originally labelled *Loligo media*.

10+ specimens, in spirit. North Atlantic: North Sea: Firth of Forth. 27 June 1901.

A.C. Stephen. 1958.45.199

Fisheries Board specimens.

2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth. 1901.

A.C. Stephen. 1978033.42004

Originally labelled *Loligo media*. Found unregistered in the collections, specimens may be per the Fisheries Board. See 1958.45.199.

1 specimen, in spirit. North Atlantic: North Sea. 55°47'N, 00°44'E.

16 February 1980. Haul no. E80/23.

D.W. McKay. 1980038.42002

1 specimen, in spirit. North Atlantic: North Sea: 55°21.2'N, 00°35.7'W.

8 February 1980. Haul no. E80/13.

D.W. McKay. 1980038.42001

Unidentified Loliginidae

Two lots of juvenile Loliginidae obtained from midwater trawl plankton samples during scientific investigations of the Department of Agriculture and Fisheries for Scotland.

D.W. McKay. 1977098

Family GONATIDAE

25.01 *GONATUS* Gray, 1849

Gonatus fabricii (Lichtenstein, 1818)

- | | |
|-----------------------------------|--------------|
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |
| 1 specimen, head only, in spirit. | Barents Sea. |

A.C. Stephen. 1958.45.221-228

These specimens were collected during the Bear Island Survey, 1933-38. See Brown & Cheng (1946).

1 juvenile specimen, in formalin. North Atlantic: British Isles: west of Barra Isle. 56°55'N, 08°10'W. 130m. 8 September 1980. Haul no. S80/282.

D.W. McKay. 1980038.42502

1 specimen, in formalin. North Atlantic: west of Ireland: Tory Island. 55°19'N, 08°10'W. 60m. 2 October 1980. Haul no. S80/546.

D.W. McKay. 1980038.42503

1 specimen, in spirit. North Atlantic: west of Ireland. 55°05'N, 09°30'W. 110m. 7 October 1979. Haul no. S79/374.

D.W. McKay. 1980038.42501

1 specimen, in formalin. North Atlantic: west of Ireland. 54°55'N, 09°50'W. 90m. 2 October 1980. Haul no. S80/563.

D.W. McKay. 1980038.42504

1 juvenile specimen, in formalin. North Atlantic: North Sea: Moray Firth. 58°29.5'N, 02°01'W. 28 November 1978. Haul no. C78/688.

S.M. Smith. 1979038.42502

1 juvenile specimen, in formalin. North Atlantic: North Sea: Moray Firth. 58°29'N, 02°48'W. 60m. 22 November 1978. Haul no. C78/661.

S.M. Smith. 1979038.42501

1 juvenile specimen, in formalin. North Atlantic: Bay of Biscay. "Sarsia" Station 78/5. 43°54'N, 10°25'W. 7 May 1978.

G. Smaldon. 1981131.92501

1 juvenile specimen, in formalin. North Atlantic: Bay of Biscay. "Sarsia" Station 78/27. 47°21'N, 08°18'W. 16 May 1978.

G. Smaldon. 1981131.92502

Family ENOPLOTEUTHIDAE

26.10 *PYROTEUTHIS* Hoyle, 1904

Pyroteuthis margaritifera (Rüppell, 1844)

1 specimen, in spirit. Mediterranean: Sicily: Messina. 38°11'N, 15°33'E.

J.H. Ashworth. 1903.48.12

Registered as *Pterygoteuthis margaritifera*.

Family OCTOPOTEUTHIDAE

27.01 *OCTOPOTEUTHIS* Rüppell, 1844

Octopoteuthis sicula Rüppell, 1844

1 specimen, in spirit. Mediterranean: Sicily: Messina.

38°11'N, 15°33'E.

J.H. Ashworth. 1903.48.9

Originally labelled *Verania sicula*

1 beak and several hooked sucker rings, dry. Indian Ocean: Bay of Bengal:

10 leagues off Point Divy. 16°00'N, 81°00'E. 12 March 1877.

Source unknown. 1978016.1

Found in the collections apparently unregistered. Specimen collected during the 1st Expedition of "l'Édouard". The date of capture is earlier than for any non-juvenile specimen recorded in the literature.

Family ONYCHOTEUTHIDAE

28.02 *ANCISTROTEUTHIS* Gray, 1849

Ancistroteuthis lichtensteinii (Férussac & Orbigny, 1839)

1 specimen, in spirit. Mediterranean: Sicily: Messina

38°11'N, 15°33'E.

J.H. Ashworth. 1903.48.10

Originally labelled *Onychoteuthis lichtensteinii*.

28.04 *MOROTEUTHIS* Verrill, 1881

Moroteuthis ingens (Smith, 1881)

1 beak, in spirit. South Atlantic: South Georgia. 2 June 1938.

Source unknown. 1981141.1

Found in the collections apparently unregistered.

1 specimen comprising a number of half-digested fragments from the stomach of a

Ross' seal, in spirit. South Atlantic: South Orkneys. "Scotia" Station 165.

60°10'S, 42°35'W. 6 February 1903.

W.S. Bruce. 1921.143.565a. Hoyle no. 925.

Collected during the Scottish National Antarctic Expedition, 1902-04.

See Hoyle (1912: 281) as *Onychoteuthis ingens*.

1 specimen, in spirit. South Atlantic: South Orkneys: Scotia Bay. "Scotia"

Station 325. 60°43'S, 44°38'W. 1 January 1904.

W.S. Bruce. 1921.143.565b. Hoyle no. 928.

Collected during the Scottish National Antarctic Expedition, 1902-04.

See Hoyle (1912: 281) as *Onychoteuthis ingens*.

13 pieces of beak from the stomach contents of a Weddell seal, in spirit.

South Atlantic: South Orkneys: Scotia Bay. "Scotia" Station 325. 60°43'S, 44°38'W.

May 1903.

W.S. Bruce. 1921.143.573. Hoyle nos. 943-955.

Collected during the Scottish National Antarctic Expedition, 1902-04.

See Hoyle (1912: 274). Not identified by Hoyle.

1 set of beaks from the stomach contents of a Weddell seal, in spirit.

South Atlantic: South Orkneys: Jessie Bay. "Scotia" Station 326. 60°32'S, 44°40'W.

May 1903.

W.S. Bruce. 1921.143.572. Hoyle nos. 941, 942.

Collected during the Scottish National Antarctic Expedition, 1902-04.

See Hoyle (1912: 274). Not identified by Hoyle.

Stomach contents of a sooty albatross, in spirit. South Atlantic. "Scotia" Station 376
64°38'S, 35°13'W. 25 February 1904.
W.S. Bruce. 1921.143.571. Hoyle no. 1373.
Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle
(1912: 274). The original label states "very likely *Onychoteuthis ingens*".

Stomach contents of an albatross, in spirit. South Atlantic. "Scotia"
Station 437. 58°06'S, 12°33'W. 3 April 1904.
W.S. Bruce. 1921.143.570. Hoyle no. 931.
Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle
(1912: 274). Not identified by Hoyle.

Family BRACHIOTEUTHIDAE

32.01 *BRACHIOTEUTHIS* Verrill, 1881

Brachioteuthis riisei (Steenstrup, 1882)

1 juvenile specimen, in spirit. North Atlantic: Ireland: Donegal Bay.
54°55'N, 09°30'W. 95m. 8 October 1979. Haul no. S79/402.
D.W. McKay. 1980038.43201

1 specimen, in spirit. North Atlantic: British Isles: north of the Flannan Isles.
58°42.5'N, 08°21'W. 130m. 14 August 1928. Haul no. 28/1001.
A.C. Stephen. 1958.45.216
Recorded by Stephen (1944: 267).

1 specimen, in spirit. North Atlantic: British Isles: Flannan Isles.
58°31.5'N, 07°31'W. 130m. 16 August 1928. Haul no. 28/1026.
A.C. Stephen. 1958.45.217

1 specimen, in spirit. North Atlantic: British Isles: Shetland.
61°17'N, 01°17'W. 457m. 11 August 1911. Haul no. 18392.
A.C. Stephen. 1958.45.214
Recorded by Stephen (1944: 267), who gave the depth as 250m.

1 specimen, in spirit. North Atlantic: British Isles: west of North Rona.
59°31'N, 06°36'W. 0-33m. 11 August 1928. Haul no. 28/965.
A.C. Stephen. 1958.45.215

1 specimen, in spirit. North Atlantic: North Sea. 60°19'N, 00°28'E. Surface.
19 August 1931. Haul no. 31/1303.
A.C. Stephen. 1958.45.218

1 juvenile specimen, in formalin. North Atlantic: Bay of Biscay. "Sarsia"
Station 78/5. 43°54'N, 10°25'W. 7 May 1978.
G. Smaldon. 1981131.93201

19 specimens, in spirit. Northeast Atlantic.
A.C. Stephen. 1958.45.219

1 juvenile specimen, in spirit. No locality.
J.H. Ashworth. 1903.50.3
Originally labelled and registered as *Entomopsis velaini*.

Family HISTIOTEUTHIDAE

34.01 *HISTIOTEUTHIS* Orbigny, 1841

Histioteuthis bonnellii (Férussac, 1835)

1 juvenile specimen, in spirit. North Atlantic: Rockall Trough.
56°00'N, 12°00'W. 1500m. 18 November 1975.
Scottish Marine Biological Association. 1976004.43401

1 juvenile specimen, in spirit. Mediterranean: Sicily: Messina.
36°11'N, 15°33'E.
J.H. Ashworth. 1903.48.8
Registered as *Histioteuthis rüppellii*.

***Histioteuthis reversa* (Verrill, 1880)**

1 specimen, in spirit. North Atlantic: Bay of Biscay. "Sarsia" Station 78/30.
47°21'N, 07°35'W. 17 May 1978.
G. Smaldon. 1981131.93401

***Histioteuthis* sp.**

1 juvenile specimen, in spirit. South Atlantic. "Scotia" Station 468.
39°48'S, 02°33'E. 2645fm (4893m). 29 April 1904.
W.S. Bruce. 1921.143.566. Hoyle no. 940.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 282).

Family BATHYTEUTHIDAE

35.01 *BATHYTEUTHIS* Hoyle, 1885

***Bathyteuthis abyssicola* Hoyle, 1885**

1 specimen, in spirit. South Atlantic: off Coats Land. "Scotia" Station 416.
71°22'S, 18°15'W. Surface to 2300fm (4200m). 17 March 1904.
W.S. Bruce. 1921.143.567. Hoyle no. 938.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 282).

Family ARCHITEUTHIDAE

38.01 *ARCHITEUTHIS* Steenstrup, 1857

***Architeuthis dux* Steenstrup, 1857**

2 sucker rings, dry. North Atlantic: British Isles: Shetland: Whalefirth Voe.
60°35'N, 01°10'W. 2 October 1949.
C.J. Inkster. 1950.2

The stranding of this specimen is not recorded in the literature. Correspondence relating to it is in the archives of the Royal Scottish Museum.

1 beak, dry. North Atlantic: British Isles: Shetland: Whalefirth Voe.
60°35'N, 01°10'W. 2 October 1949.
J. Peterson. 1950.3

This is part of the same animal as the above.

1 large sucker ring, dry. North Atlantic: North Sea: Moray Firth: Wick.
58°24.4'N, 03°04.8'W. 1921.
D.R. Simpson. Unregistered.

The beak also was obtained but only a photograph is extant.

Possibly most of one animal, see below. North Atlantic: North Sea: Rattray Head
6' N by E. 1 February 1957.

J. Slater. 1957.20

This specimen, caught in a trawl by MV "Viking Prestige", has been very fully documented. When fresh it was measured in the Marine Laboratory, Aberdeen:

Total length	23ft 8½ ins	(722.5cm)
Mantle length (dorsal)	3ft 10½ ins	(118cm)
(ventral)	3ft 5½ ins	(105cm)
Tentacle length	19ft	(579cm)
Length of arms	4ft 1 in	(124.5cm)
(tip missing)	4ft 6 ins	(137cm)
Length of caudal fin (no anterior lobes)	1ft 4¾ ins	(42.5cm)
Breadth of caudal fin	1ft 2 ins	(35.5cm)
Head to tip of caudal fin	4ft 8½ ins	(143.5cm)
Diameter of largest suckers on clubs	7/8 ins	(2.2cm)
on arms	¾ ins	(1.9cm)

Stephen (1953: pl.1, fig. 2) gives the dimensions of the animal after preservation.

Stephen (1962: 152), describing it as specimen no. 3 of *Architeuthis harveyi*, remarked:

"The specimen was nearly complete when received [sent to the Museum on 5 February 1957] but later, through an accident in preservation, suffered great deterioration."

The portions extant are:

- A. Dissected body, head, arms and tentacles, mantle length about 90cm, in spirit.
- B. Buccal mass, with beak, in spirit.
- C. 2½ sucker rings, dry.
- D. Pen, fragmented, dry.

1 arm, length 92cm, in spirit; 2 tentacles, lengths 368cm, 421 cm, in spirit.

North Atlantic: North Sea: Bell Rock. 56°26'N, 02°23'W. 7 November 1937.

1977107.1

Stephen (1937b) documents this animal (as *Architeuthis harveyi*) which was caught in a trawl. One arm and 2 tentacles were sent to Professor Peacock, Dundee, and this material seems subsequently to have come to the Royal Scottish Museum. It is therefore probable that these specimens, found apparently unregistered in 1977, belong to this animal.

1 whole animal, dissected, parts preserved separately (see below).

North Atlantic: North Sea: Firth of Forth: North Berwick. 56°03.5'N, 02°43'W.

19 November 1977.

D. Heppell. 1978090.1

Cast up on the shore moribund. See Heppell (1977: 63).

- A. Body with arms and tentacles, in formalin.
- B. Pen.
- C. Beak and buccal mass, in formalin.
- D. Sucker rings (2 jars) — a. right tentacle club, 2 large, 1 small; b. left 4th arm; c. assorted.
- E. Eye lenses.
- F. Right nidimental gland.
- G. Right ctenidium, branchial heart, systemic heart.
- H. Left ctenidium, branchial heart, left nidimental gland, accessory nidimental gland.
- I. Gut and ink sac.
- J. Digestive gland.
- K. Ovary, in formalin.
- L. A series of microscope slide preparations of several of the preserved organs.

The brain was sent to Professor J.Z. Young, London, and one statolith to

Dr M.J. Clarke, Plymouth.

Part of radula, beak, sucker rings, in spirit. North Atlantic: North Sea: Firth of

Forth: Gullane. 56°02.5'N, 02°51'W. 24 January 1930.

Source unknown. 1930.174.

There was considerable confusion over the place of stranding and the date. Ritchie's MS.

notes in the RSM archives refer separately to Dunbar and to 24 December 1930.

Stephen (1962: 147) gives Dunbar, 24 January 1930, specimen no. 1. The register and some

original labels state that this specimen came from Gullane. A cast was made of this

specimen, but seems to have been lost.

1 tentacle club, and fragments of the pen, in spirit. North Atlantic: North Sea:
Berwickshire: Skateraw. 55°58.5'N, 02°25'W. 29 October 1917.
J. Ritchie. 1917.54. 1-2.

See Ritchie (1918) who called it *Architeuthis harveyi*. A coloured drawing by Ritchie based on this specimen is in the Natural History Department of the Royal Scottish Museum.

18 lots of sucker rings, dry. No locality.
A.C. Stephen. Unregistered.

These sucker rings have notes indicating the position and arm from which they have come, but nothing to show from which animal.

Architeuthis sp.

1 large beak, fragmented, mounted, in spirit, from the stomach of a sperm whale.
South Atlantic: South Georgia.

F. Stevens. 1920.86

Registered as *Architeuthis princeps*. An old label states "*Moroteuthis ingens*", but the specimen is not that species.

Family OMMASTREPHIDAE

39.01 *OMMASTREPHEs* Orbigny, 1837

Ommastrephes bartramii (Lesueur, 1821)

For discussion of the synonymy of *O. caroli* (Furtado) and *O. bartramii* (Lesueur) see Zuev *et al.* (1975).

Head and arms of one animal (no tentacles), in spirit. North Atlantic:
Northern Ireland: Castlerock. 55°09'N, 06°47'W. 1935. 1977107.6
Found in the collections apparently unregistered. See Stendall (1936: 23).

Beak, radula and sucker rings, in spirit. North Atlantic: British Isles: Orkney:
Birsay. 59°08'N, 03°19.5'W. 27 November 1937 (? 24 November 1937).
A.C. Stephen. 1958.45.211
Registered as *Sthenoteuthis caroli*. See Stephen (1938: 119).

Parts of one animal (see below). North Atlantic: British Isles: Orkney: Stronsay.
59°05'N, 02°35'W. 18 December 1937.
J.G. Marwick. 1937.80.

Registered as *Sthenoteuthis caroli*. See Stephen (1938: 119).

The specimen was cast by Mr W. Ingles, and is shown with well-developed veils on the 3rd arms. The cast has the same registered number, 1937.80.

Preserved separately, in spirit:

- A. Beak and radula.
- B. Pen.
- C. Sucker rings.

There is also a 3rd arm and veil, in formalin, found in a display jar in 1977 with no data, which is probably from this specimen or, less likely, from specimen registered 1977107.7.

Parts of one animal (see below). North Atlantic: British Isles: Isle of Skye:
Dunvegan. 57°26'N, 06°35'W. Early February 1928.
J. Mackenzie. 1977107.3

Found in the collections in 1977 apparently unregistered.

Labelled "specimen no. 6". Not in Stephen (1944).

Preserved in spirit:

- A. Caudal fin, width 42cm.
- B. Arm and right tentacle.
- C. Buccal mass and beak.
- D. Radula.
- E. Funnel and unidentified pieces of flesh.
- F. Gut.
- G. Ctenidia
- H. Ink sac.

Preserved dry: Pen, in fragments.

Head, tentacles and arms, in spirit. North Atlantic: British Isles: Isle of Skye:
Portree. 57°24'N, 06°12'W. February 1921.
J.H. Ashworth. 1978030.1
Found in the collections apparently unregistered. See Stephen (1944: 265).

Parts of one animal (see below). North Atlantic: British Isles: Isle of Mull:
Calgary. 56°34'N, 06°18'W. January 1930.
C.M. McKenzie. 1930.36
Registered as *Sthenoteuthis caroli*. See Stephen (1944: 265).
Preserved separately, in spirit:
A. Tentacle stalk.
B. Buccal mass.
C. Funnel.

Beak, in spirit. North Atlantic: North Sea: Moray Firth: Buckie.
57°40.8'N, 02°57.7'W. 14 January 1927.
A. and A. Mair. 1927.6
Originally labelled and registered as *Sthenoteuthis caroli*. See Stephen (1933: 96;
1944: 265).

Sucker rings, in spirit. North Atlantic: North Sea: Moray Firth: Gardenstown.
57°40'N, 02°20'W. 16 February 1953.
1977107.7
Found in the collections in 1977 apparently unregistered. See Stephen (1953: 121) as
Sthenoteuthis caroli. This specimen was received at the Marine Laboratory, Aberdeen,
from the Scottish Cooperative Wholesale Society on 19 February 1953, photographed
and measured. It was sent to the Royal Scottish Museum on 24 February 1953.

Total length (to tip of left tentacle)	161cm
Mantle length (dorsal)	59cm
(ventral)	57cm
Maximum mantle width	18cm
Width of fins (tip to tip)	46cm
Width of mantle opening	17cm
Length of head	12cm
Width across eyes	12.5cm
Thickness of head	9cm

There were membranes on the 3rd arms.

Parts of one animal (see below). North Atlantic: North Sea: Firth of Forth:
North Berwick. 56°03.5'N, 02°43'W. 13 January 1921.
W.M. Ingles. 1921.30
The specimen, which stranded alive on 13 January 1921, was dissected and preserved after
a complete cast (registered number 1921.95) had been made by Mr Ingles. Recorded
erroneously as the first Scottish specimen of *Sthenoteuthis pteropus* by Ritchie (1922).
Stephen (1944: 266) gives in error the date of stranding as June 1921.

Preserved separately, in spirit:
A. Arms.
B. Beak.
C. Tentacles.
D. Radula.
E. Sucker rings.
F. Funnel and mantle-locking apparatus.
G. Heart.
H. Ctenidia.
I. Pen.

Parts of one animal (see below). North Atlantic: North Sea: Firth of Forth:
North Berwick. 56°03.5'N, 02°43'W. March 1927.
1977107.2
Found in the collections apparently unregistered.
Labelled "specimen no. 2". See Stephen (1944: 265) as *Sthenoteuthis caroli*.

Preserved separately, in spirit:

- A. Caudal fin and part of pen.
- B. Head.
- C. Tentacles.
- D. Ctenidia.
- E. Mantle-locking apparatus.
- F. Ink sac.

(no buccal mass).

Head (lacking eyes and buccal mass), radula, arms and one tentacle, in spirit.

North Atlantic: North Sea: Firth of Forth: North Berwick. $56^{\circ}03.5'N$, $02^{\circ}43'W$.

November 1929.

1977107.4

Found in the collections apparently unregistered.

Labelled "specimen no. 4".

Head (complete), arms with veils, tentacles, radula, in spirit.

North Atlantic:

North Sea: Firth of Forth: Tyne Sands, Dunbar. $56^{\circ}01'N$, $02^{\circ}32'W$.

15 December 1929.

1977107.5

Found in the collections apparently unregistered.

Labelled "specimen no. 3". This is one of the two specimens noted by Stephen (1944: 265) as *Sthenoteuthis caroli* stranded at "North Berwick" in December 1929.

3 complete specimens (of which 2 have incomplete or missing tentacles), 2 eyes and a tentacle, in spirit.

North Pacific: Canada: off Vancouver Island.

$42^{\circ}20.0'N$, $128^{\circ}46.1'W$. July 1980.

F.R. Bernard. 1980101.1-4.

Sucker rings, in spirit. No locality.

A.C. Stephen. 1958.45.212-213.

Presumably this species. The sucker rings are labelled according to which arm they are from, but do not indicate which animal.

1 specimen, mantle length 53cm, in spirit. No locality.

1977107.10

Found in the collections apparently unregistered and totally lacking data. It might be the specimen registered 1932.85.

1 beak, in spirit. No locality.

1977107.8

Found in the collections apparently unregistered and totally lacking data. It may be from one of the dissected specimens 1977107.2 or 1977107.4, from 1977107.7 or even 1952.2, but this last is unlikely.

Gut, ctenidia and other tissues, in spirit. No locality.

1977107.9

Found in the collections apparently unregistered and totally lacking data. From a large animal, possibly even an *Architeuthis*.

Beak, in spirit. No locality.

Peterhead Museum. 1978032.4

Received June 1965. Found in the collections apparently unregistered. It is likely that this specimen came from one of the animals known not to have been sent to the Royal Scottish Museum, such as the one presumably stranded on Fair Isle early in 1941, the head sent by the Fishery Officer, Lerwick, to the Aberdeen Marine Laboratory.

There is also a large pen, in spirit, unregistered but perhaps belonging to specimen 1921.30, and 27 unregistered lots of sucker rings, dry, with data by A.C. Stephen on the arm and position from which they had been removed, but with no data on the animal.

39.02 *DOSIDICUS* Steenstrup, 1857

Dosidicus gigas (Orbigny, 1835)

2 pens, dry. South Pacific: South America: Chile coast.

S. Griff Jones. 1889.18

There are two very similar pens with this register number written on them in Indian ink, at that time a usual way of numbering specimens. There is also a third pen to which is tied a paper label bearing the register number 1889.18, but this does not appear to be part of the same collection, especially as only two specimens were recorded in the register.

In the Department of Art and Archaeology is one half of a crystalline lens, dry, used as a mummy's eye, from Arica, Peru (now in Chile).

J. Lyle. AA 1968.429, originally registered X153.

39.10 *TODARODES* Steenstrup, 1880

Todarodes sagittatus (Lamarck, 1798)

Many of the following specimens are registered under the little used name *Sagittatus sagittatus*.

Part of head including beak and radula, in spirit. North Atlantic: Barents Sea.

A.C. Stephen. 1958.45.234

Collected during the Bear Island Survey, 1933-38. See Brown & Cheng (1946).

6 specimens, in spirit. North Atlantic: Rockall Bank. 57°10'N, 13°15'W. 280m.

15 July 1978. Haul no. S78/431.

S.M. Smith. 1979038.43901

1 specimen, in spirit, mantle length 36cm. North Atlantic: British Isles: Orkney:

Stromness. 58°57'N, 03°17'W. March 1937.

A.C. Stephen. 1978033.43904

Found in the collections apparently unregistered. See Stephen (1937a) as

Ommastrephes sagittatus.

2 specimens, in spirit. North Atlantic: British Isles: Orkney. 58°35'N, 01°27'W.

106m. 18 February 1980. Haul no. E80/37.

D.W. McKay. 1980038.43901

1 specimen, in spirit, mantle length 44cm. North Atlantic: North Sea: Moray Firth:

Inverness. 57°27'N, 04°15'W. Stranded. 10 January 1937.

A.C. Stephen. 1978033.43903

Found in the collections apparently unregistered. See Stephen (1937a; 1944: 265) as

Ommastrephes sagittatus.

1 specimen, in spirit. North Atlantic: North Sea: Hall-Russell's shipyard,

Aberdeen harbour. 57°08.6'N, 02°04.8'W. 28 April 1954.

Aberdeen Marine Laboratory. 1978034.2

Found in the collections apparently unregistered. See Stephen *et al.* (1957: 180).

1 large specimen, in spirit. North Atlantic: North Sea: off St Andrews.

56°20.4'N, 02°46.9'W. June 1981.

Gatty Marine Laboratory. 1981140.1

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Dirleton.

56°03.8'N, 02°46.5'W. Stranded. 25 March 1979.

S.M. Smith. 1979038.43902

1 lower beak, taken from a decomposing specimen. North Atlantic: North Sea:

Firth of Forth: Gullane. 56°02.5'N, 02°51.2'W.

Stranded. 16 February 1980.

S.M. Andrews. 1980014.1

- Parts of one animal (see below). North Atlantic: North Sea: Firth of Forth:
Aberlady Bay. 56°01'N, 02°52'W. Stranded. 6 February 1920.
O.H. Wild. 1920.21
See Ritchie (1920).
Preserved in spirit:
A. Buccal mass, beak and radula.
B. Eyes.
C. Funnel and mantle-locking apparatus.
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth:
Barnbogle Castle. 55°59.5'N, 03°20.0'W. Stranded. 6 April 1933.
Mr Scott. 1933.26.2
- 1 specimen, freeze-dried. North Atlantic: North Sea: Firth of Forth: Cramond.
55°59'N, 03°17'W. Stranded. 29 March 1972.
I.S. Hall. 1972.18.1
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Cramond.
55°59'N, 03°17'W. Stranded. 20 August 1933.
A.C. Stephen. 1978033.43901
Found in the collections apparently unregistered.
- 1 specimen, mantle length 40cm, in spirit. North Atlantic: North Sea: Firth of
Forth: Cramond. 55°59'N, 03°17'W. Stranded. 4 November 1935.
A.C. Stephen. 1978033.43902
Found in the collections apparently unregistered. Recorded by Stephen (1944: 264) as
Ommatostrephes sagittatus.
- 1 specimen, mantle length 44cm, in spirit. North Atlantic: North Sea:
Firth of Forth: Cramond. 55°59'N, 03°17'W. Stranded. 1 July 1937.
A.C. Stephen. 1978033.43905
Found in the collections apparently unregistered.
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Granton.
55°59'N, 03°13.5'W. Stranded. 27 April 1954.
A.C. Stephen. 1978033.43906
Found in the collections apparently unregistered.
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: between
Granton and Cramond. 55°58.8'N, 03°15.5'W. 21 April 1955.
A.C. Stephen. 1978033.43907
Found in the collections apparently unregistered.
- 3 beaks, dry. North Atlantic: North Sea: Firth of Forth: Portobello.
55°57'N, 03°06'W. Stranded. February 1903.
T. Kirkpatrick. 1903.16.1
Registered as 2 pairs of jaws.
- 1 cast + specimens as detailed below. North Atlantic: North Sea: Firth of
Forth: Joppa. 55°57'N, 03°05'W. Stranded. Early March 1937.
Royal Scottish Museum. 1937.11.1
The cast, made in the museum, is the only specimen noted in the register, but the
following specimens, part of the same stranding, form a logical part of the same
collection. The number 1937.11 was found with the specimens.
2 specimens, mantle lengths 40cm and 39cm, in spirit. Joppa. 9 March 1937.
1937.11.2
5 buccal masses, in spirit. Joppa. 10 March 1937.
1937.11.3
- Ova, in spirit. North Atlantic: North Sea: Scarborough. 54°17'N,
00°24'W. 12fm (22m).
W.C. McIntosh. 1884.50.28
Label in handwriting of McIntosh. Re-registered 1918.27.2

Tentacle and arm, in spirit; 2 pens, dry. North Atlantic: North Sea:
Firth of Forth.

Source unknown. "1915.10". This number is an error.

2 pens, dry. North Atlantic: North Sea: Firth of Forth.

T. Kirkpatrick. 1918.35

1 specimen, in spirit. No locality.

H.M. 1977107.12

Found in the collections apparently unregistered, with the label "Forth basin collection".

1 cast. No locality.

Source unknown. 1919.1

Found in the collections at this date. The label with the cast states "Mediterranean flying squid *Ommastrephes todarus*". This is probably the "cuttlefish cast" received from

W.M. Ingles, registered 1910.193.6.

In addition, 5 specimens were found in the collections without data in 1977 and have been registered as follows:

	1977107.13
mantle length 42cm.	1977107.14
mantle length 27cm.	1977107.15
mantle length 28cm.	1977107.16
beak and radula	1977107.17

39.11 *NOTOTODARUS* Pfeffer, 1912

Nototodarus sloani gouldi (McCoy, 1888)

1 specimen, in spirit. Australia.

Sir Malcolm D. McEacharn. 1925.9.1097

In addition, a dissection, perhaps also of this species, was found totally dried up in 1978.

39.15 *ILLEX* Steenstrup, 1880

Illex illecebrosus (Lesueur, 1821)

4 specimens, in spirit. North Atlantic: Newfoundland: Portugal Cove.

47°38'N, 52°51'W. September 1969.

C.C. Lu. 1980100.1

39.16 *TODAROPSIS* Girard, 1890

Todaropsis eblanae (Ball, 1841)

1 specimen, in spirit. North Atlantic: British Isles: Shetland. 61°01'N, 01°00'W.

2 August 1926.

A.C. Stephen. 1978033.43908

Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: British Isles: west of Shetland.

59°55.5'N, 03°33.2'W. 128m. 22 July 1980. Haul no. E80/185.

D.W. McKay. 1980038.43905

1 specimen, in spirit. North Atlantic: British Isles: Shetland.

59°53.7'N, 00°43.5'W. 124m. 11 July 1980. Haul no. E80/169.

D.W. McKay. 1980038.43903

1 specimen, in spirit. North Atlantic: British Isles: Orkney. 58°48'N,
00°27'W. 146m. 12 July 1980. Haul no. E80/170.
D.W. McKay. 1980038.43904

1 small specimen, in spirit. North Atlantic: British Isles: North Minch.
58°32'N, 05°31'W. 57-70m. 22 July 1976.
D.W. McKay. 1977002.43901
Trawled by MV "Hebridean".

2 specimens, in spirit. North Atlantic: Sea of the Hebrides. 56°26'N, 07°46'W.
195m. 11 July 1935. Haul no. 35/1010.
A.C. Stephen. 1978033.43909

Found in the collections apparently unregistered. Stephen (1944: 204) noted that
3 specimens were kept from this haul. The "Explorer" notebook states
"1 *Brachioteuthis bowmani*? kept". As Stephen (1944: 266) recognised only one
specimen of *B. bowmani*, he probably included an atypical specimen with the
2 *Todaropsis eblanae* and subsequently removed it for further examination.

1 specimen, in spirit. North Atlantic: North Sea: Buchan Deeps. 15 June 1956.
B.B. Rae. 1956.33
See Stephen *et al.* (1957: 180).

1 small specimen, in spirit. North Atlantic: English Channel: Channel Isles: Herm.
49°28.5'N, 02°26.5'W. 1885.
B.S. McMurtrie. 1913.75.9
Registered as *Ommastrephes sagittarius* [sic].

1 specimen, in spirit. No locality.
Source unknown. 1977107.18
Found in the collections apparently unregistered.

2 specimens, in spirit. No locality.
Peterhead Museum. 1978032.3
Found in the collections in 1978 apparently unregistered.

Unidentified Ommastrephidae

1 juvenile specimen, in formalin. North Atlantic: Bay of Biscay. "Sarsia" Station
78/3. 44°32'N, 10°06'W. 5 May 1978.
G. Smaldon. 1981131.93901

Family CHIROTEUTHIDAE

41.01 *CHIROTEUTHIS* Orbigny, 1839

Chiroteuthis sp.

1 wax model. No locality.
A. Wilkins. 1951.15.7

Family CRANCHIIDAE

47.10 *TAONIUS* Steenstrup, 1861

Taonius megalops (Prosch, 1849)

1 small specimen, in spirit. North Atlantic: Bay of Biscay. "Sarsia" Station 78/30.
47°21'N, 07°35'W. 17 May 1978.
G. Smaldon. 1981131.94701

Taonius pavo (Lesueur, 1821)

1 wax model. No locality.
A. Wilkins. 1955.50.9

Taonius sp.

Mantle and fin, regurgitated by a petrel. South Atlantic: South America:
off Rio Grande. "Scotia" Station 98. 34°02'S, 49°07'W. 28 December 1902.
W.S. Bruce. 1921.143.569. Hoyle no. 1368.
Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle
(1912: 283) as *Desmoteuthis* sp.

47.18 **GALITEUTHIS** Joubin, 1898

Galiteuthis suhmi (Hoyle, 1886)

1 specimen, in spirit. South Atlantic: Weddell Sea. "Scotia" Station 422.
68°32'S, 12°49'W. Surface to 600 fm (1110m). 23 March 1904.
W.S. Bruce. 1921.143.568. Hoyle no. 935.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 283).

OEGOPSIDA indet.

Ova, in spirit. No locality.
A.C. Stephen. 1958.45.220

Family VAMPYROTEUTHIDAE

50.01 **VAMPYROTHEUTHIS** Chun, 1903

Vampyroteuthis infernalis Chun, 1903

1 wax model. Atlantic Ocean.
A. Wilkins. 1955.50.11

Family STAUROTEUTHIDAE

55.01 **STAUROTEUTHIS** Verrill, 1879

Stauroteuthis sp.

1 specimen, in spirit. South Atlantic: Weddell Sea. "Scotia" Station 295.
66°40'S, 40°35'W. 2425fm (4500m). 10 March 1903.
W.S. Bruce. 1921.143.555. Hoyle no. 956.
Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle
(1912: 274), who comments: "This is probably either *S. meangensis* or *S. hippocrepium*,
but in the mutilated condition of the body and the absence of the internal cartilage, it is
impossible to speak with certainty. It is just possible that it might be one of the species of
Cirroteuthis, but this is less likely."

Family **OPISTHOTEUTHIDAE**

57.01 *OPISTHOTEUTHIS* Verrill, 1883

Opisthoteuthis extensa Thiele, 1915

1 wax model. Indian Ocean.
A. Wilkins. 1955.50.10

Family **OCTOPODIDAE**

65.01 *OCTOPUS* Cuvier, 1797

Octopus cyanea Gray, 1849

1 specimen, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.39. Damon no. 5751.
Registered as *Octopus marmoratus*.

Octopus macropus Risso, 1826

2 specimens, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.41. Damon no. 8559.

Octopus rugosus (Bosc, 1792)

1 specimen, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.34. Damon no. 8564.
Originally labelled *Octopus granulatus* (Lamarck, 1798).

2 specimens, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.38. Damon no. 8586.
Originally labelled *Octopus* cf. *O. tuberculatus* (Blainville, 1826).

2 specimens, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.40.
Originally labelled *Octopus tuberculatus*.

Octopus vulgaris Cuvier, 1797

1 small specimen, in spirit. North Atlantic: North Sea: Montrose beach.
56°43'N, 02°27.5'W. 1893.
W. Duncan. 1978018.1

See Stephen (1937b). Although this specimen was well known to Stephen it apparently was not registered by him and was rediscovered in the collections in 1978.

2 sets of beaks, dry. North Atlantic: English Channel: Jersey: Gorey.
49°12'N, 02°01'W. September 1910.
A.E. Salisbury. 1961.61.46502

1 specimen, in spirit. North Atlantic: English Channel: Jersey: Samares Bay.
49°11'N, 02°05'W.
B.S. McMurtrie. 1913.97.2

2 sets of beaks, dry. North Atlantic: English Channel: Jersey: La Roque.
49°11'N, 02°01'W. September 1910.
A.E. Salisbury. 1961.61.46501

1 large specimen, in spirit. ? Mediterranean: Naples.
Source unknown. 1918.16
Found in the collections in 1918 apparently unregistered.

1 dried specimen, mounted on a wooden plaque. No locality.
Arbroath Museum. Unregistered.

Fragment of ova, in spirit. No locality.
W.C. McIntosh. 1918.27.1

1 wax model. No locality.
G.L. Wilkins. 1948.1

Octopus sp.

1 small specimen, in spirit. Indian Ocean: Mauritius: Wolmar.
20°17'S, 57°21.5'E. 13 February 1979.
S.M. Smith. 1979080.96501

1 specimen, in spirit. South Pacific: New Britain.
R. Damon. 1886.9.37. Damon no. 17164.

1 specimen, in spirit. South Pacific: New Hebrides: Aneityum.
21°40'S, 169°40'E.
J. Inglis. 1860.19.96501

1 specimen, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.35. Damon no. 8561.

2 specimens, male and female, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.36. Damon no. 57516.

65.012 *ENTEROCTOPUS* Rochebrune & Mabile, 1889

Enteroctopus megalocyathus (Gould, 1852)

1 male specimen, in spirit. South Atlantic: Tierra del Fuego: Burdwood Bank.
"Scotia" Station 346. 54°25'S, 57°32'W. 1 December 1903.
W.S. Bruce. 1921.143.557. Hoyle no. 924.
Collected during the Scottish National Antarctic Expedition, 1902-04. This specimen is
the holotype of *Polypus brucei* Hoyle (see Hoyle, 1912: 276), which species was
synonymized with *Enteroctopus megalocyathus* by Robson (1929: 176). See Heppell (1976).

65.02 *CISTOPUS* Gray, 1849

Cistopus indicus (Orbigny, 1840)

1 specimen, in spirit. South Pacific: Samoa.
R. Damon. 1886.9.33. Damon no. 8560
Identification not certain.

65.09 *PTEROCTOPUS* Fischer, 1882

Pteroctopus tetracirrhus (delle Chiaje, 1830)

1 specimen, in spirit. ? Mediterranean: Naples.
Naples Zoological Station. 1895.130.33
Registered as *Scaergus tetracirrhus*.

Eledone cirrhosa (Lamarck, 1798)

1 small specimen, in spirit. North Atlantic: West of Ireland. "Challenger" Station 83.
54°02.8'N, 10°59.1'W. 220m. 2 August 1981.
S.M. Smith. 1981088.46504
Collected during "Challenger" cruise 11/81.

1 specimen, in spirit. North Atlantic: Porcupine Bank. "Challenger" Station 37.
53°27'N, 13°34'W. 175m. 29 July 1981.
S.M. Smith. 1981088.46502
Collected during "Challenger" cruise 11/81.

2 specimens, in spirit. North Atlantic: Porcupine Bank. "Challenger" Station 39.
53°26.9'N, 14°08.3'W. 275m. 29 July 1981.
S.M. Smith. 1981088.46503
Collected during "Challenger" cruise 11/81.

1 small specimen, in spirit. North Atlantic: Porcupine Bank. "Challenger"
Station 32. 53°18.1'N, 13°44.8'W. 165m. 28 July 1981.
S.M. Smith. 1981088.46501
Collected during "Challenger" cruise 11/81.

1 juvenile specimen, in spirit. North Atlantic: British Isles: Shetland.
61°02'N, 3°22'W. 807m. 6 July 1925. Haul no. 25/1094.
A.C. Stephen. 1978033.46512
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: British Isles: Shetland.
60°39.5'N, 01°21'W. 10 August 1926. Haul no. 26/703.
A.C. Stephen. 1978033.46502
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: British Isles: Shetland: East Ness.
60°30'N, 01°20'W. 14m. 28 July 1974.
R. Earll. 1974.46.607

1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°55.5'N, 03°33.2'W. 128m. 22 July 1980. Haul no. E80/185.
D.W. McKay. 1980038.46501

2 small specimens, in spirit. North Atlantic: British Isles: Orkney: Noup Head.
59°21'N, 03°43'W. 158m. 8 March 1931. Haul no. 31/81.
A.C. Stephen. 1958.45.33

1 specimen, in spirit. North Atlantic: British Isles: Orkney.
59°11'N, 03°24'W. 70m. 2 August 1926. Haul no. 26/658.
A.C. Stephen. 1978033.46501
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: British Isles: Orkney: Holm Point,
Bay of Firth. 59°00.2'N, 03°05.4'W. Shore. 10 September 1977.
S.M. Smith. 1977076.46501

1 small specimen, in spirit. North Atlantic: British Isles: Orkney.
58°45'N, 02°00'W. 90m. 27 July 1926. Haul no. 26/566.
A.C. Stephen. 1958.45.3

1 juvenile specimen, in spirit. North Atlantic: British Isles: Orkney.
58°42'N, 02°42'W. 76m. 9 March 1932. Haul no. 32/62.
A.C. Stephen. 1958.45.35

1 small specimen, in spirit. North Atlantic: British Isles: Pentland Firth:
Thurso Bay. 58°36'N, 03°30'W. 20-25ft (6-8m). 1972.
R.G. Meiklejohn. 1981130.2

1 juvenile specimen, in spirit. North Atlantic: British Isles: off Butt of Lewis.
58°40'N, 06°23'W. 123m. 22 May 1924. Haul no. 24/542.
A.C. Stephen. 1978033.46508
Found in the collections apparently unregistered.

- 1 juvenile specimen, in spirit. North Atlantic: British Isles: Butt of Lewis.
58°32'N, 06°25'W. 117m. 22 May 1924. Haul no. 24/547.
A.C. Stephen. 1958.45.2
- 1 specimen, in spirit. North Atlantic: British Isles: northeast of Flannan Isles.
58°32'N, 07°18'W. 101-110m. 29 August 1930. Haul no. 30/1660.
A.C. Stephen. 1958.45.32
- 1 specimen, in spirit. North Atlantic: British Isles: north of Flannan Isles.
58°29'N, 07°35'W. 130m. 16 August 1928. Haul no. 28/1020.
A.C. Stephen. 1958.45.23
- 1 juvenile specimen, in spirit. North Atlantic: British Isles: northwest of
Flannan Isles. 58°26'N, 08°04.5'W. 257m. 28 August 1930. Haul no. 30/1648.
A.C. Stephen. 1958.45.31
- 1 specimen, in spirit. North Atlantic: British Isles: northwest of Flannan Isles.
58°23'N, 08°04.5'W. 28 August 1930. Haul no. 30/1646.
A.C. Stephen. 1958.45.30
Found dried up in the collections in 1978.
- 1 specimen, in spirit. North Atlantic: British Isles: north of St Kilda.
58°10'N, 08°16'W. 130m. 27 August 1930. Haul no. 30/1624.
A.C. Stephen. 1958.45.29
- 1 juvenile specimen, in spirit. North Atlantic: British Isles: Hebrides Terrace.
56°17'N, 09°00'W. 180m. 25 August 1930. Haul no. 30/1590.
A.C. Stephen. 1958.45.27
- 1 small specimen, in spirit. North Atlantic: British Isles: Stanton Banks.
56°00'N, 08°06'W. 174m. 25 August 1930. Haul no. 30/1582
A.C. Stephen. 1958.45.26
- 1 specimen, in spirit. North Atlantic: British Isles: Minch. 58°23'N, 05°26'W.
108m. 1 August 1926. Haul no. 26/633.
A.C. Stephen. 1978033.46506
Found in the collections apparently unregistered.
- 1 specimen, in spirit. North Atlantic: British Isles: Minch. 58°17'N, 06°00'W.
123m. 8 May 1927. Haul no. 27/900.
A.C. Stephen. 1958.45.4
- 1 small specimen, in spirit. North Atlantic: British Isles: Little Minch.
57°25'N, 06°46'W. 37m. 13 May 1927. Haul no. 27/956.
A.C. Stephen. 1958.45.5
- 2 specimens, in spirit. North Atlantic: British Isles: off Coll. 56°42'N, 06°36'W.
83m. 30 August 1927. Haul no. 27/1832.
A.C. Stephen. 1958.45.8
- 1 small specimen, in spirit. North Atlantic: British Isles: Sea of the Hebrides.
56°42'N, 06°35'W. 75-84m. 26 August 1930. Haul no. 30/1592.
A.C. Stephen. 1958.45.28
- 1 specimen, in spirit. North Atlantic: British Isles: off Coll. 56°36'N, 06°45'W.
24m. 31 August 1927. Haul no. 27/1843.
A.C. Stephen. 1958.45.9
- 2 large and 2 small specimens, in spirit. North Atlantic: British Isles: Passage of
Tiree. 56°28'N, 06°40'W. 120m. 19 June 1981.
S.M. Smith. 1981090.2
Trawled by MV "Argo".
- 1 small specimen, in spirit. North Atlantic: British Isles: Passage of Tiree.
56°23'N, 06°45'W. 87m. 23 September 1927. Haul no. 27/2133.
A.C. Stephen. 1958.45.21

- 1 small specimen, in spirit. North Atlantic: British Isles: off Iona. 20 June 1981.
S.M. Smith. 1981090.3
Trawled by fishing vessel, precise locality not known.
- 1 small specimen, in spirit. North Atlantic: British Isles: Dubh Artach.
56°06'N, 06°45'W. 52m. 3 September 1927. Haul no. 27/1858.
A.C. Stephen. 1958.45.10
- 1 small specimen, in spirit. North Atlantic: British Isles: Dubh Artach.
56°03'N, 06°12'W. 137m. 17 August 1928. Haul no. 28/1027 or 28/1034.
A.C. Stephen. 1958.45.7
These two haul numbers were in the specimen jar, but under this register number
Stephen has a very different entry, as follows:
- 1 specimen, [in spirit. North Atlantic: British Isles: Firth of Clyde.]
55°18'N, 05°19'W. 0.47m. 55°20'N, 05°09'W. 55m. 19 May 1927.
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: Ettrick Bay,
Bute. 55°50.5'N, 06°08.5'W. 7-17m. 1 September 1928. Haul no. 28/1195.
A.C. Stephen. 1958.45.24
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: Brodick Bay.
55°35'N, 05°06'W. 37m. 16 September 1927. Haul no. 27/2050.
A.C. Stephen. 1958.45.15
- 1 small specimen, in spirit. North Atlantic: British Isles: Firth of Clyde:
Kilbrannan Sound. 55°34'N, 05°25'W. 84m. 17 September 1927. Haul no. 27/2066.
A.C. Stephen. 1958.45.16
- 1 specimen, in spirit. North Atlantic: British Isles: North Channel.
55°28.5'N, 05°49'W. 40m. 5 September 1927. Haul no. 27/1883.
A.C. Stephen. 1958.45.11
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: Campbeltown.
55°25'N, 05°35'W.
B.S. McMurtrie. 1913.97.3
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: off Davaar Isle.
55°25'N, 05°31.5'W. 39m. 5 September 1927. Haul no. 27/1884.
A.C. Stephen. 1958.45.12
- 1 small specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°21'N, 05°04'W – 55°21'N, 05°10'W. 50m. 20 September 1927. Haul no. 27/2093.
A.C. Stephen. 1958.45.19
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde: Kilbrannan
Sound. 55°20'N, 05°30'W. 22m. 24 August 1930. Haul no. 30/1554.
A.C. Stephen. 1958.45.25
- 2 specimens, in spirit. North Atlantic: British Isles: Firth of Clyde: Ballantrae
Bank. 55°17'N, 04°49'W. 50-60m. 19 September 1927. Haul no. 27/2076.
A.C. Stephen. 1958.45.18
- 1 specimen, in spirit. North Atlantic: British Isles: Northern Ireland: off Lough
Foyle. 55°16'N, 06°41'W. 66m. 21 September 1927. Haul no. 27/2114.
A.C. Stephen. 1958.45.20
- 1 specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°16'N, 05°22'W. 48m. 6 September 1927. Haul no. 27/1905.
A.C. Stephen. 1958.45.13
- 1 small specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°06'W. 42m. 19 September 1927. Haul no. 27/2075.
A.C. Stephen. 1958.45.17

1 small specimen, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°10'N, 05°05'W. 30m. March 1978. Haul no. C78/44.
D.W. McKay. 1978040.46501

3 small specimens, in spirit. North Atlantic: British Isles: Firth of Clyde.
55°07'N, 05°16'W – 55°10'N, 05°16'W. 46-59m. 17 April 1930. Haul no. 30/435.
A.C. Stephen. 1958.45.37
Although the register has "no data" against this number, a haul number was with the specimens.

1 specimen, in spirit. North Atlantic: British Isles: Luce Bay. 54°44'N, 04°50'W.
11-15m. 7 September 1927. Haul no. 27/1920.
A.C. Stephen. 1958.45.14

1 specimen, in spirit. No locality: ? Firth of Clyde.
A.C. Stephen. 1958.45.1
From the Millport collections.

1 specimen, in spirit. North Atlantic: North Sea: Moray Firth: Clythe Ness.
58°10'N, 03°08'W. 70m. 17 August 1931. Haul no. 31/1260.
A.C. Stephen. 1958.45.34
The co-ordinates given in the register are wrong.

1 juvenile specimen, in spirit. North Atlantic: North Sea: west end of Moray Firth.
"Goldseeker" Station 11. Plankton haul. 58m. 25 May 1920. Haul no. 24200.
A.C. Stephen. 1978033.46507
Found in the collections apparently unregistered.

2 juvenile specimens, in spirit. North Atlantic: North Sea: off Peterhead.
57°26'N, 01°19'W. 111m. 25 July 1925. Haul no. 25/1108.
A.C. Stephen. 1978033.46510
Found in the collections apparently unregistered.

1 juvenile specimen, in spirit. North Atlantic: North Sea: off Aberdeen.
57°17.5'N, 01°57.5'W. 9-17m. 23 March 1926. Haul no. 26/234.
A.C. Stephen. 1978033.46504
Found in the collections apparently unregistered.

1 juvenile specimen, in spirit. North Atlantic: North Sea: off Aberdeen.
57°05.5'N, 01°32'W. 74m. 26 May 1925. Haul no. 25/621.
A.C. Stephen. 1978033.46509
Found in the collections apparently unregistered.

1 specimen, in spirit. North Atlantic: North Sea: off Aberdeen. 57°03'N, 01°56'W.
12m. 4 October 1927. Haul no. 27/2233.
A.C. Stephen. 1958.45.22

1 specimen, in spirit. North Atlantic: North Sea: 40' east of the Isle of May.
June 1901.
W. Jarvie. 1901.66.6

1 small specimen, in spirit. North Atlantic: North Sea: east of the Isle of May.
July 1901.
W. Jarvie. 1901.73.5

1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Fidra.
56°05'N, 02°47'W. 15 December 1892.
T. Scott. 1892.126

2 specimens, in formalin. North Atlantic: North Sea: Firth of Forth: 2' south of the
Bass Rock. 40-50m. 21 September 1976.
G. Smaldon, per R. Bremner. 1977054.2
Trawled by MV "Gleaner".

1 small specimen, in spirit. North Atlantic: North Sea: Firth of Forth.
56°04'N, 02°54'W. 34m. 26 October 1926. Haul no. 26/986.
A.C. Stephen. 1958.45.6

- 1 cast. North Atlantic: North Sea: Firth of Forth: North Berwick.
56°04'N, 02°43'W. 1907.
W. Ingles. 1908.53.8
- Beaks from the stomach of a stranded pilot whale. North Atlantic: North Sea:
Firth of Forth: North Berwick. 56°03.5'N, 02°43'W. 2 February 1924.
J. Ritchie. 1925.161
See Ritchie (1924).
- 1 specimen, in spirit. North Atlantic: North Sea: Firth of Forth: Gullane.
56°02.5'N, 02°51'W. 14 May 1932.
D.K. Kevan. 1968.68.46501
- Numerous ova, in spirit. North Atlantic: North Sea: Firth of Forth: Aberlady Bay.
56°01'N, 02°58'W. 15m. 16 August 1919. Haul no. 23758.
A.C. Stephen. 1958.45.39
- 3 specimens, in spirit. North Atlantic: North Sea: Firth of Forth:
Barnbogle Castle. 55°59.5'N, 03°20'W. Stranded. 6 April 1933.
Mr Scott. 1933.26.1
- 2 specimens, in spirit. North Atlantic: North Sea: Firth of Forth: Cramond.
55°59'N, 03°17'W. Stranded. 20 August 1933.
A.C. Stephen. 1978033.46511
Found in the collections apparently unregistered.
- 2 large specimens, in spirit. No locality, possibly Firth of Forth. 14 October 1935.
W. Ness. 1978031.1
Found in the collections apparently unregistered.
- 20+ juvenile specimens, in spirit. North Atlantic: North Sea: Scottish Waters.
A.C. Stephen. 1958.45.38
- 1 small specimen, in spirit. North Atlantic: English Channel: Herm. 1885.
B.S. McMurtrie. 1913.75.10
Registered as *Eledone octopodia*.
- 1 cast of the dorsal surface and 1 cast of the ventral surface. No locality.
W. Ingles. 1927.13.1-2
Registered as *Moschites cirrhosa*.
- 1 small specimen, in spirit. No locality.
A.C. Stephen. 1958.45.36
- 1 very large display specimen, in spirit. No locality.
Source unknown. 1977107.21
Found in the collections apparently unregistered.
- 1 very large display specimen, in spirit. No locality.
Source unknown. 1977107.22
Found in the collections apparently unregistered.
- 1 small specimen, in spirit. No locality.
Source unknown. 1977107.23
Found in the collections apparently unregistered.
- 1 dissected specimen, in display jar, in spirit. North Atlantic: British Seas.
Source unknown. 1977107.24
Found in the collections apparently unregistered.
- 4 beaks, in spirit. No locality.
A.C. Stephen. 1978033.46505
Found in the collections apparently unregistered.
- 1 small specimen, in spirit, in poor condition. No locality.
New College Museum. Unregistered.
- 2 lots of juvenile *Eledone* obtained from midwater trawl plankton samples during
scientific investigations of the Department of Agriculture and Fisheries for Scotland.
D.W. McKay. 1977098

65.17 *PARELEDONE* Robson, 1932

Pareledone charcoti (Joubin, 1905)

1 female and 1 male specimen, in spirit. South Atlantic: South Orkneys: Scotia Bay. "Scotia" Station 325. 60°43'S, 44°38'W. 9-10fm (16-18m). 30 May 1903 and 7 August 1903. W.S. Bruce. 1921.143.559a, b. Hoyle nos. 936 and 929. Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle (1912: 279) as *Moschites charcoti*.

65.25 *BATHYPOLYPUS* Grimpe, 1921

Bathypolypus arcticus (Prosch, 1849)

1 specimen, in spirit. North Atlantic: Wyville-Thompson Ridge. 60°40'N, 04°50'W. 525-780m. 25 June 1909. Haul no. 187. A.C. Stephen. 1958.45.40. See Robson (1932: 288).

1 specimen, in spirit. North Atlantic: Rockall Trough. 58°43'N, 09°06'W. 1448m. 23 August 1910. Haul no. 226. A.C. Stephen. 1978033.46503. Found in the collections apparently unregistered.

2 specimens, in spirit. North Atlantic: British Isles: Shetland. 61°27'N, 01°41'W. 1240m. 25 July 1909. Haul no. 200. A.C. Stephen. 1958.45.41. See Robson (1932: 288), "North of Shetlands (Scottish Fishery Board), 686fms." 9 specimens were taken. Originally labelled *Polypus (Bathypolypus) faeroensis*.

1 specimen, in spirit. North Atlantic: North Sea. 60°42'N, 04°15'E. 333m. 14 September 1926. Haul no. 26/830. A.C. Stephen. 1958.45.42. See Robson (1932: 288), who gives an erroneous depth of 686fm.

65.27 *BENTHOCTOPUS* Grimpe, 1921

Benthoctopus eureka (Robson, 1929)

1 male specimen, in spirit. South Atlantic: Falkland Is. "Scotia" Station 118. 51°49'S, 57°51'W. Shore. 6 February 1904.
1 female specimen, in spirit. South Atlantic: Falkland Is.: Port Stanley. 51°45'S, 57°56'W. February 1904. W.S. Bruce. 1921.143.558a, b. Hoyle nos. 1696 and 926. Collected during the Scottish National Antarctic Expedition, 1902-04. See Hoyle (1912: 278) as *Polypus tehuelchus*. Lectotype and paralectotype of *Enteroctopus eureka* Robson, 1929 = *Polypus tehuelchus* Hoyle, 1912, non Orbigny, 1835. See Heppell (1976).

Benthoctopus piscatorum (Verrill, 1879)

1 specimen, in spirit, badly damaged. North Atlantic: Porcupine Bank. "Challenger" Station 29. 53°10.1'N, 14°47'W. 900m. 27 July 1981. S.M. Smith. 1981088.46505. Collected during "Challenger" cruise 11/81.

1 specimen, in spirit. North Atlantic: Porcupine Bank. "Challenger" Station 30. 53°17.8'N, 14°35.1'W. 670m. 27 July 1981. S.M. Smith. 1981088.46506. Collected during "Challenger" cruise 11/81.

Unidentified Octopod

1 juvenile specimen, in formalin. North Atlantic: Bay of Biscay. "Sarsia"
Station 78/5. 43°54'N, 10°25'W. 7 May 1978.
G. Smaldon. 1981131.96501

Family TREMOCTOPODIDAE

71.01 *TREMOCTOPUS* delle Chiaje, 1829

Tremoctopus quoyanus Orbigny, 1835

1 female specimen, in spirit. Equatorial Atlantic. "Scotia" Station 59.
02°25'S, 32°26'W. Surface. 12 December 1902.
W.S. Bruce. 1921.143.556. Hoyle no. 1366.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 276).

Tremoctopus violaceus delle Chiaje, 1829

1 male and 1 female specimen, in spirit. Mediterranean: Sicily: Messina.
38°11'N, 15°33'E.
J.H. Ashworth. 1903.48.6-7

Family OCYTHOIDAE

72.01 *OCYTHOE* Rafinesque, 1814

Ocythoe tuberculata Rafinesque, 1814

1 female specimen in spirit. Mediterranean: Sicily: Messina. 38°11'N, 15°33'E.
J.H. Ashworth. 1903.48.11

3 hectocotylized male specimens, in spirit. Mediterranean.
R. Damon. 1886.9.42

1 large female specimen, in spirit. No locality: ? Mediterranean.
Professor Panceri. 1871.2.150
Registered as *Octopus carenae*.

1 hectocotylized arm, in spirit. No locality: ? Mediterranean.
Naples Zoological Station. 1895.130.32
This specimen has been made up into a display with specimens registered 1903.50.1-2.

1 male specimen with hectocotylized arm in pouch, and 1 male specimen with
hectocotylized arm extended. No locality.
J.H. Ashworth. 1903.50.1-2
Displayed with specimen registered 1895.130.32.

3 male specimens, in spirit. No locality.
V. Frič. 1891.83.17-19
Originally labelled *Parasira catenulata*. Registered as *Philonexis catenulata*.

1 female specimen, in spirit. No locality.
V. Frič. 1891.83.20
Originally labelled *Parasira catenulata*. Registered as *Philonexis catenulata*.

Family ARGONAUTIDAE

73.01 ARGONAUTA L., 1758

Argonauta argo L., 1758

7 shells, dry. North Atlantic: Morocco: Casablanca. 33°39'N, 07°35'W.
R. Dunlop, e coll. Maud Erskine. 1967.14.97301

1 large female specimen, in spirit. Atlantic.
W. Schlüter. 1913.43.83

1 wax model of female specimen. Mediterranean: Naples. 40°51'N, 14°17'E.
A. Wilkins. 1955.50.12

7 specimens, in spirit. Mediterranean: Sicily: Messina. 38°11'N, 15°33'E.
J.H. Ashworth. 1903.48.1-5, 13-14.

2 small shells, broken, dry. Mediterranean: Malta. 35°55'N, 14°30'E.
A.E. Salisbury, per C. A. Wright. 1961.61.97302

1 small female specimen, in spirit. No locality: ? Mediterranean.
Naples Zoological Station. 1883.4.147

2 shells, broken, dry. Indian Ocean: Cape Province: Wilderness.
34°00'S, 22°36'E. March 1965.
J. S. Taylor. 1968.28.2

1 female specimen, in spirit. Indian Ocean: Mauritius.
C. Cunningham. 1867.27.2

1 shell, dry. Western Pacific: South China Sea: Hainan [Loo Choo Is.]
A.E. Salisbury. 1961.61.97301

2 small shells, dry. Eastern Pacific: California.
A.E. Salisbury. 1961.61.97303
Originally labelled *Argonauta expansa*.

4 shells (1 broken), dry. No locality.
H.B. Sands. 1884.3.2
3 specimens are registered, but 4 specimens are in the box.

8 shells, broken, dry. No locality.
General Blair. 1905.131.97301

6 small shells, dry. No locality.
A.E. Salisbury. 1961.61.97304

7 small shells, dry, in 4 lots. No locality.
A.E. Salisbury. 1961.61.97305

2 specimens, in display jar, in spirit. No locality.
Source unknown. Unregistered.

1 shell, dry. No locality.
Source unknown. Unregistered.

Argonauta hians Lightfoot, 1786

1 small shell, dry. South Africa.
A.E. Salisbury. 1961.61.97312
Originally labelled *Argonauta boettgeri*

1 small shell, dry. South Africa.
A.E. Salisbury. 1961.61.97313

- 3 small shells, dry. South Africa: Port Elizabeth. 33°58'S, 25°36'E.
R. Dunlop. 1967.14.97302
- 1 shell, dry. Indian Ocean: Cape Province: Wilderness. 34°00'S, 22°36'E.
March 1965.
J.S. Taylor. 1968.28.1
- 2 small shells, dry. Western Pacific: Japan.
A.E. Salisbury. 1961.61.97307
Originally labelled *Argonauta gondola*.
- 2 small shells, dry. Western Pacific: China.
A.E. Salisbury. 1961.61.97310
- 7 shells, dry. Western Pacific: China Seas.
General Blair. 1905.131.97302
Originally labelled *Argonauta gondola*.
- 1 shell, dry. Western Pacific: China Seas.
A.E. Salisbury. 1961.61.97306
Originally labelled *Argonauta oweni*.
- 2 small shells, dry. Western Pacific: China Seas.
A.E. Salisbury. 1961.61.97309
Originally labelled *Argonauta kochiana*.
- 1 small shell, dry. Western Pacific: China Seas.
A.E. Salisbury. 1961.61.97311
Originally labelled *Argonauta hians* var. *oweni*.
- 5 small shells, dry. Pacific: Philippines.
A.E. Salisbury. 1961.61.97308
- 1 small shell, dry. No locality.
S. Hislop. 1859.18
Originally labelled *Argonauta boettgeri*
- 3 shells, dry. No locality.
A.E. Salisbury. 1961.61.97314

Argonauta nodosa Lightfoot, 1786

- 1 shell, dry. Southern Ocean: Australia: Victoria: Wilson's Promontory.
38°55'S, 146°20'E. October 1910.
Sir T.G. Carmichael. 1911.116.248
- 1 shell, broken, dry. ? Australia: Queensland.
Bell-Pettigrew. 1959.52.97301
- 1 shell, very broken, dry. South Pacific: New Zealand: Mayor Is.
37°17'S, 176°15'E.
A.E. Salisbury. 1961.61.97315
Originally labelled *Argonauta tuberculata*.
- 2 shells, dry. No locality.
Miss Dick. 1867.8.1-2
- 2 shells, dry. No locality.
H.B. Sands. 1884.3.1
Originally labelled *Argonauta tuberculata*.

1 shell, broken, dry. No locality.

A.E. Salisbury. 1961.61.97316

Originally labelled *Argonauta navicula*.

3 shells, dry. No locality.

A.E. Salisbury. 1961.61.97317

1 shell, broken, dry. No locality.

W. Evans. 1978019.3

Specimen possibly received from Dr A. Crosbie and collected by him during the "Challenger" Expedition, 1872-76.

1 shell, dry. No locality.

Source unknown. Unregistered.

This specimen was formerly on exhibition.

Argonauta nouryi Lorois, 1852

1 shell, dry. Pacific: Marquesas Is. 09°00'S, 139°30'W (approx.).

A.E. Salisbury. 1961.61.97318

MICROSCOPE SLIDES

In addition to the specimens included in the catalogue above there is a collection of microscope slides mostly of cephalopod radulae. With a few exceptions these form part of the Peile radulae collection (1948.82) or the Gwatkin radulae collection (1976.1). They are listed here in systematic sequence. The names and localities are those of the original slide labels and no attempt has been made to make the taxonomy uniform with that of the foregoing systematic list.

<i>Sepia biserialis</i>	Naples	1976.1.5
<i>Sepia officinalis</i>	Torcross, South Devon	1948.82.3377
<i>Sepia officinalis</i>	Torcross, South Devon	1948.82.3380
<i>Sepia officinalis</i> , juvenile	Torbay	1976.1.6
<i>Sepia officinalis</i>	Brighton	1948.82.3378
<i>Sepia officinalis</i>	Brighton	1948.82.3379
<i>Sepia officinalis</i>	Brighton	1948.82.3383
<i>Sepia officinalis</i>	Herne Bay	1948.82.3381
<i>Sepia officinalis</i>	Herne Bay	1948.82.3382
<i>Sepia officinalis</i>	No locality	Unregistered
<i>Sepia officinalis</i> , eye – L.S.	No locality	1926.86.73
<i>Sepia singalensis</i>	Mannar	1948.82.3384
<i>Sepia</i> sp., new born	37°N, 50°W. 3 July 1892	1926.86.74
<i>Sepiella inermis</i>	Madras	1948.82.3374
<i>Sepiella inermis</i>	Madras	1948.82.3375
<i>Sepiella inermis</i>	Madras	1948.82.3376
<i>Sepia inermis</i>	Ennur	1948.82.3373
<i>Sepiola atlantica</i>	Plymouth	1948.82.3385
<i>Sepiola atlantica</i>	Southwold	1948.82.1966
<i>Sepiola rondeletii</i>	Nice	1976.1.8
<i>Sepiola rondeletii</i>	No locality	1976.1.7
<i>Sepietta oweniana</i>	Thorpe, near Aldeburgh	1948.82.3386
<i>Loligo indica</i>	Mannar	1948.82.1967
<i>Loligo indica</i>	Mannar	1948.82.1968
<i>Loligo marmorae</i>	Nice	1976.1.9
<i>Loligo pealii</i>	Buzzard's Bay	1948.82.3370
<i>Loligo vulgaris</i>	Marseilles	1976.1.10
<i>Loligo media</i>	Southwold	1948.82.1965
<i>Alloteuthis media</i>	Southwold	1948.82.3371
<i>Alloteuthis media</i>	Southwold	1948.82.3372
<i>Ommatostrephes illecebrosus</i>	Provincetown, Mass.	1976.1.11
<i>Todaropsis eblanae</i>	Plymouth	1948.82.3369
<i>Octopus cyanea</i>	Seychelles	1948.82.3387
<i>Octopus deflippii</i>	Nice	1976.1.1
<i>Octopus rugosus</i>	Seychelles	1948.82.3388
<i>Octopus verrucosus</i>	Funafuti	1976.1.2
<i>Octopus vulgaris</i>	Guernsey	1948.82.3390
<i>Octopus vulgaris</i>	Guernsey	1976.1.3
<i>Octopus vulgaris</i>	Brighton beach	1948.82.3389
<i>Octopus</i> sp., tentacle – T.S.	No locality	1926.86.72
<i>Macrochlaena winckworthi</i>	Madras	1948.82.3391
<i>Eledone moschata</i>	Trieste	1976.1.4

REGISTERED SPECIMENS NOT FOUND

In addition to the specimens catalogued above there are a number of entries in the museum registers which cannot be matched with material now present in the collections. For the sake of completeness these are listed here. Some of the earliest are of a date prior to the transfer of the Edinburgh University museum collections and may therefore not have formed part of those collections which became the foundation of the Department of Natural History of the Royal Scottish Museum. Others are of a date when the collections were regarded as an educational rather than a reference tool, and may simply have been discarded if their condition had deteriorated or, more likely, may have become dissociated from their documentation when placed on display. Some of these apparently missing specimens may therefore be included under those subsequently registered which are noted in the above catalogue as having been found in the collections apparently unregistered. The arrangement of the present list is chronological within each species. In the absence of the material on which the identifications were based, the original taxonomy of the species has been maintained.

Nautilus pompilius

- 6 specimens, in brine. New Hebrides.
R.K. Greville. 1858.18
- 5 specimens, in spirit. New Hebrides.
J. Inglis. 1860.19
- 1 specimen, probably shell only. Mauritius.
C. Cunningham. 1867.27.1
- 1 specimen, section of shell. No locality.
Sowerby & Fulton. 1904.90.1
- 1 specimen, probably shell only. Manila, Philippines.
Miss Fraser. 1905.45.7

Spirula spirula

- 1 shell. Gibraltar.
R. McAndrew. 1865.27.1

Sepia lefebvrei

- 2 specimens. Gulf of Suez.
R. McAndrew. 1870.6.192

Sepia officinalis

- "Bones". No locality.
W. Traill. 1854.40
- 2 specimens. No locality.
W.C. McIntosh. 1884.50.9
- 1 "bone". Coast of Kent.
P. White. 1888.1
- 3 large specimens. No locality.
Edinburgh University. 1891.59.37
- 1 "bone". No locality.
Sowerby & Fulton. 1904.90.23

1 injection preparation. No locality.
W. Haferlandt & Co. 1904.103.5

Wall diagram of anatomy.
A. Gallenkamp & Co. 1913.46.12

1 specimen, in spirit. St Brelades Bay, Jersey.
B.S. McMurtrie. 1913.97.1

Unidentified "Cuttlefish"

The term "cuttlefish" was formerly used for almost any species of Cephalopoda and the following specimens may have included squid or even octopods. They are, however, grouped together here for convenience.

"Cuttlefish". No locality.
Major Sisted. 1824.46

"Cuttlefish", in spirit. New Hebrides.
J. Inglis. 1860.19

Spawn of "cuttlefish". Loch Striven, Firth of Clyde. 30fm (55m).
J. McBain. 1868.11
Noted in register as "destroyed 28 March 1907".

"Cuttlefish cast". No locality.
W.M. Ingles. 1910.193.6
This is probably the cast of *Todarodes sagittatus* found in the collections in 1919 and registered 1919.1 (see p. 40).

Sepiola atlantica

1 specimen. North Berwick, Firth of Forth. August 1894.
W. Eagle Clarke. 1895.15

Sepiola rondeletii

1 specimen. Wick, Caithness.
C.W. Peach. 1873.4.2

3 specimens. ? Mediterranean.
Naples Zoological Station. 1883.4.151

Sepiola sp.

1 specimen. Firth of Forth.
Professor Allman. 1861.31

Unidentified Sepiolidae

A head and arms, much macerated. Entrance to Saldanha Bay, Cape of Good Hope.
25fm (46m). 21 May 1904.
W.S. Bruce. 1921.143.561. Hoyle no. 1367.
Collected during the Scottish National Antarctic Expedition, 1902-04.
See Hoyle (1912: 280). The register states "rotted", and the specimen appears to have been disposed of.

Loligo vulgaris

1 pen, dry. No locality.
Sowerby & Fulton. 1904.90.22
This is possibly the specimen found in 1918 and registered 1918.34.

Alloteuthis media

? 1 specimen. Peterhead, Aberdeenshire.
C.W. Peach. 1873.4.1
Registered as *Loligo media* and indicated as "destroyed 23 February 1907".

Unidentified "Squid"

Spawn of squid. 15' off Girdleness, Aberdeenshire.
17 November 1910.
W. Jarvie. 1910.159
Noted in register as "destroyed 3 April 1939".

Architeuthis dux

Portion of the skin of a sperm whale showing scars caused by the suckers of a giant squid *Architeuthis*. Seychelles. 1915.
W.S. Bruce. 1921.41
This specimen may be extant among the whale collections.

Cast. Gullane, Firth of Forth. 24 January 1930.
Made in the museum. 1930.174

It is possible that the cast made from this specimen was unsatisfactory, as there is no record of it having been placed on display. As J. Ritchie, for whom the case was made, left the museum about this time, the plan to exhibit it may have been abandoned and the cast broken up.

Ommastrephes caroli

1 photograph of a specimen stranded at Thorntonloch, Berwickshire, about
1 January 1931.
"Bulletin" newspaper. 1931.12

1 specimen. Portree, Isle of Skye. 12 January 1952.
Source unknown. 1952.2

Stephen (1953: 121) states "washed ashore alive on the beach at Portree. It was secured after a struggle by Constable Ian Morrison". The "Aberdeen Press and Journal" of 14 January 1952 indicated that it attacked Constable Ian Morrison of Broadford and was killed by being bashed with stones. By the time it reached the Royal Scottish Museum, therefore, the specimen may have been in poor condition. The dimensions given in the newspaper were probably exaggerated: "Body 6 feet across, eyes 4 inches across, 8 foot tentacles".

The following two specimens may still be extant, re-registered 1977107.10 and 1977107.11:

1 specimen. Buckie, Moray Firth. January 1929.
J. Reid. 1929.15

A letter from G.C. Robson in the Stephen correspondence states that this specimen was acquired by the British Museum (Natural History). There is, however, no trace of it in the collections there, nor does it appear to be listed in their register.

1 specimen. Buckie, Moray Firth. 12 December 1932.
A. and A. Mair. 1932.85
See Stephen (1933: 96).

Ommastrephes sp.

1 specimen. Corpus Christi Bay, Gulf of Mexico.
W. Taylor. 1884.21.9
A coloured cast of a large squid. No locality.
W.M. Ingles. 1924.146
In the absence of more precise data this specimen is listed here.

Todarodes sagittatus

1 specimen, "in flesh". No locality.
R. Donaldson. 1873.5
Registered as *Ommastrephes todarus*.

? 1 specimen. Portobello, Firth of Forth.
Source unknown. 1877.15

2 specimens. Probably from Firth of Forth.
Edinburgh Aquarium. 1879.56.8
Registered as *Ommastrephes*, but more likely this species.

1 specimen. Joppa, Firth of Forth.
F.D. Stewart. 1890.67

1 pen, dry. Portobello, Firth of Forth. April 1904.
T. Kirkpatrick. 1904.86
This may be one of the extant pens labelled erroneously "1915.10".

1 specimen. Portobello, Firth of Forth. Stranded. January 1909.
W. Miller. 1909.9

Octopus dofleini

Model. California.
Ward's Natural Science Establishment. 1921.26
This model was prepared from the original model made by Verrill from a specimen obtained off California. Registered as *Octopus punctatus* and stated to measure 25 feet from tip to tip of the tentacles.

Octopus vulgaris

1 specimen, in spirit. Herm, Channel Is.
W.C. McIntosh. 1877.18.148

2 specimens. No locality.
Edinburgh Aquarium. 1879.56.9
The provenance of these specimens suggests that they may have been *Eledone cirrhosa*, and may be extant among those registered 1977107.21-24.

Unidentified "Octopus"

"Octopus". No locality.
Source unknown. 1828.8

"Octopus", in spirit. No locality.
J.S. Briggs. 1838.2

3 specimens. South Pacific.
R. Damon. 1886.9.2-4
Registered respectively as *Octopus vulgaris*, *Octopus vulgaris* var. and *Octopus* sp.

Eledone cirrhosa

1 specimen. North Queensferry, Firth of Forth.
J. Hector. 1855.3

1 specimen. Cramond, Firth of Forth. Washed up alive.
24 April 1921.
C.M. Yonge. 1921.35

Eledone moschata

Display specimen. No locality.
W. Schlüter. 1913.68.40

Ocythoe tuberculata

1 female specimen, in spirit. No locality.
Naples Zoological Station. 1895.130.31

Argonauta hians

1 specimen, shell only. No locality.
Sowerby & Fulton. 1904.90.7

Argonauta kochiana

1 specimen. ? shell only. Cape of Good Hope.
G.B. Sowerby. 1886.17.77

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INDEX TO COLLECTORS AND COLLECTIONS

The following alphabetical list includes all sources mentioned in the foregoing catalogues. For each donor or vendor an abbreviated indication of the nature of each accession is given. Where a generic name is given this normally indicates the donation of one or two specimens only, and the details will be found in the appropriate part of the systematic lists. Larger donations mostly comprise specimens other than Cephalopoda, but inclusion of an outline of their contents here may be useful to readers interested in the collectors concerned. For the same reason brief biographical notes have been added whenever such information could be obtained.

ABERDEEN: MARINE LABORATORY. Includes the former North Sea Investigations Office, subsequently the Marine Laboratory of the Fishery Board for Scotland, and later of the Department of Agriculture and Fisheries for Scotland.

1913.77. Scottish marine invertebrates. Per Dr A. Bowman.

1978034. Mostly cephalopods previously unregistered.

1980052. Specimens collected over many years, transferred June 1980.

See also McKay, D.W., Rae, B.B. and Stephen, A.C.

ALLEN, E.J. The Laboratory, Plymouth, Devon.

See: Plymouth: Marine Biological Association.

ALLMAN, Professor George James. 1812-1898. Professor of Natural History, Edinburgh University 1855-70.

1861.31. *Sepiola*. 1868.12. *Alloteuthis* spawn.

ANDREWS, Dr. S. Mahala. Royal Scottish Museum, q.v.

ARBROATH MUSEUM. Arbroath, Angus.

See: Fleming, J.

ASHWORTH, Dr James Hartley. 1874-1936. Lecturer on Invertebrate Zoology, Edinburgh University from 1900, and worked at Naples Zoological Station. Obituary: *NWest.Nat.* 11:278-279.

1903.48. Marine invertebrates from Messina. 1903.50. Cephalopods.

1910.22. *Lepas* and *Spirula*, Canary Is. 1978030. *Ommastrephes*.

AUGOUX, Dr. Paris.

1865.3. Models (anatomie plastique).

AUSTRALIAN MUSEUM. Sydney, Australia.

See: Ramsay, E.P.

BELL-PETTIGREW. Museum, St Andrews University, Fife.

The museum was opened in 1912 in honour of James Bell Pettigrew, 1834-1908, Professor of Medicine and Anatomy, St Andrews University, 1875-1908. The nucleus of the Mollusca collection was the cabinet of Dr William Traill, 1818-1886, and many specimens were subsequently added during the curatorship of Professor D'Arcy Wentworth Thompson, including some transferred from the Royal Scottish Museum.

1959.52. Large collection of Mollusca (c.66,000 specimens) formerly in Department of Natural History, St Andrews University.

BERNARD, Dr Frank R. Pacific Biological Station, Nanaimo, B.C., Canada.

1980101. *Ommastrephes*.

BLAIR, General James. V.C. 1828-1905. Melrose, Roxburghshire. Formerly of the Bombay Cavalry.

1905.131. The collection of shells of General and Mrs Blair (c.5000 specimens).

BOOTS, Messrs. Chemists.

1918.10. Pulvis or sepiae.

- BREMNER, J. Portobello, Edinburgh.
1960.25. *Rossia*.
- BRIGGS, J.S.
1838.2. *Octopus*.
- BRITISH MUSEUM, Trustees of. London.
1883.41. 212 Natural History specimens.
- BROWN, Captain Thomas. 1785-1862. Edinburgh and Manchester.
1978021. Various previously unregistered shells among the old collection. As Brown is known to have supplied Irish shells to Lady Jardine, some Brown material may have been included in the accession of Jardine shells in 1854. Other Brown specimens (not Cephalopoda) have been found in the W. Nicol collection, q.v.
- BRUCE, Dr William Speirs. 1867-1921. Polar explorer and oceanographer. Scottish Oceanographical Laboratory, Edinburgh.
1921.41. *Architeuthis* scars on whale skin.
See also Scottish National Antarctic Expedition.
- BULLETIN. Newspaper.
1931.12. Photograph of *Ommastrephes*.
- CAMPBELL, J.C. 1960.
1981139. *Loligo*.
- CARMICHAEL, Sir Thomas Gibson. K.C.M.G. 1859-1926. Baron Carmichael of Skirling from 1891. Governor of Victoria 1908-1911. Subsequently Governor of Madras 1911-1912 and Governor of Bengal 1912-1917. Retired to Edinburgh.
1911.116. Zoological collection, mostly from Victoria, Australia.
- "CHALLENGER" Expedition. 1872-76.
Some shells in collection of Dr A. Crosbie, q.v.
- "CHALLENGER". British Atlantic Benthos Survey, 1973
See: Scottish Marine Biological Association and Smith, S.M.
- "CHALLENGER". Cruise 11/81 to Porcupine Bank.
See: Smith, S.M.
- CHARLESON, C.W. Hillswick, Shetland, 1951.
1978023. *Sepia*.
- CLARKE, Dr Arthur S. Royal Scottish Museum, q.v.
- CLARKE, William Eagle. 1853-1938. Keeper of Natural History, Royal Scottish Museum 1906-1921.
See: Royal Scottish Museum.
- CLYNE, Robert. Light Keeper, Bell Rock Lighthouse.
1907.128. Marine invertebrates from Bell Rock.
- COCKBURN. Edinburgh. 1948.
1978027. *Nautilus*.
- CRAWFORD, William C. and Miss Crawford. Hillend, Edinburgh.
1926.86. Collection of microscope slides.
- CROSBIE, Dr Alexander. Staff-Surgeon on "Challenger" Expedition.
1927.120. Collection of shells including specimens collected aboard H.M.S. "Challenger". Further material received with W. Evans collection, 1978019. Crosbie and Evans were related.

CUNNINGHAM, Corsane.

1867.27. 50 species of shells from Mauritius.

DALE, Mrs.

1887.36. *Sepia*.

DAMON, Robert. 1816-1889. Dealer in zoological specimens, Weymouth, Dorset.

1886.9. 189 Natural History specimens.

"DANA" Expedition. 1920-22.

See: Schmidt, E.J.

DEYROLLE, Les Fils d'Emile. Zoological suppliers. Paris.

1913.166. Models of invertebrates.

DICK, Miss. Edinburgh.

1867.8. *Argonauta*.

DIXON, Elie, Fife.

1978029. *Spirula*, previously unregistered.

DONALDSON, Robert. Leith, [Edinburgh].

1873.5. *Todarodes*.

DUNCAN, William. Curator of Montrose Museum, q.v.

DUNLOP, Robert. Bellshill, Lanarkshire.

1904.99. Collection of insects, fossils and shells, including many specimens from New Zealand and South Africa. A similar shell collection, formerly in Dunfermline Museum, presented by the Carnegie Dunfermline Trust, 1967.14.

EARLL, Robert. Marine biologist. Formerly of Manchester.

1974.46. Shetland marine and non-marine Mollusca collected for an Institute of Terrestrial Ecology survey.

EDINBURGH AQUARIUM.

1879.56. 14 specimens of "vertebrates" in the flesh [included ? *Todarodes* and ? *Octopus*]. Per Mr Fotheringham.

EVANS, William, 1851-1922. Obituary: *Scott.Nat.* for 1922: 169-173.

See: Crosbie, A.

FLATTERS & GARNETT, Messrs. Zoological suppliers. Manchester.

1913.13. Models and display specimens.

FLEMING, Professor John. 1785-1857. Author of "History of British Animals".

Professor of Natural Philosophy, Aberdeen University from 1834. Professor of Natural Science, Free Church College, Edinburgh from 1845.

1959.44. Large collection of shells (c.14,500) sold by auction at Mr T. Chapman's rooms, Edinburgh, 22 November 1870, and purchased by James Renny jnr, Edinburgh, who presented it to the Arbroath Museum where a selection was on exhibition until April 1959. Presented to Royal Scottish Museum by Provost Gardner, Town House, Arbroath. The shells are mostly unlocalized and no specimens mentioned in the "British Animals" have been discovered. An apparently unregistered dried *Octopus* on a wooden plaque marked "Arbroath Museum" is probably from this source.

FORBES, Professor Edward. 1814-1854. Regius Keeper of Natural History, Edinburgh University 1853-54.

1856.29. Large collection of shells and other animals bequeathed, but Forbes gave away much of his shell collection during his lifetime.

- FORRESTER-PAXTON, L.E. St Andrews, Fife. Brother-in-law of John Berry, marine engineer, of St Andrews.
1973.4. Carved *Nautilus* shell presented to John Berry by a native chief.
- FOSTER, Miss Amy C.S. †1916. Bournemouth, Hants.
1966.22. Cabinet of shells (55 drawers). Per executors of Mrs David Crichton, of Edinburgh.
- FRASER, Miss. Edinburgh.
1905.45. Shells from Manilla.
- FRIČ, V. Prague, Bohemia. Zoological suppliers.
1891.83. 36 preparations and specimens.
- FULTON, Hugh Coomber. 1861-1942. Dealer in shells. Ealing, London.
See Salisbury, A.E. and Messrs. Sowerby & Fulton.
- GALLENKAMP, Messrs. Zoological suppliers. Finsbury Square, London.
1913.46. Wall diagrams.
- GATTY MARINE LABORATORY. St Andrews University, Fife.
1973.8. Firth of Forth marine Mollusca, collected 1971-73.
1981.140. *Todarodes*. Per Professor M.S. Laverack.
- GOODE, B.
This name which occurs on some labels in the Ludlow collection (q.v.) is probably G.B. Goode, Assistant Keeper in the U.S. National Museum, who collected in Bermuda, 1876-77.
- GRAVES, Colonel D.H. C/o P.O. Waitara, Taranaki, New Zealand.
1933.31. Small collection of moa bones, two *Helix* and some *Spirula*.
- GREVILLE, Dr Robert Kaye. 1794-1866. Botanist. Edinburgh.
1858.18. *Nautilus*. 1866.21a. General collection of British shells.
- GRIERSON Museum. Thornhill, Dumfriesshire.
A catalogue of Dr Grierson's Museum, Thornhill, was compiled by G.F. Black & J. Bisset and published in 1894.
1974.130. and 1978.020. Shell artefacts of decorative or economic use. Received August 1965.
- GWATKIN, Revd Professor Henry Melvill. 1844-1917.
1976.1. Collection of radulae mounted on slides.
- HAFERLANDT, Wilhelm. Zoological suppliers. Charlottenberg, bei Berlin.
1904.103. 6 zoological preparations.
- HALL, Mrs I. Simpson. Edinburgh.
1972.18. *Todarodes*.
- HARRISON. 1961.
1978.017. *Sepioida*, previously unregistered.
- HECTOR, James.
1855.3. *Eledone*.
- HEPPELL, David. Royal Scottish Museum, q.v.
- HISLOP, Revd Stephen. 1817-1863. Missionary and naturalist. Died at Nagpur, India.
Obituary: *Dict.natn.Biogr.* 27: 12-13.
1859.18. 150 specimens of Indian land and freshwater shells [but includes *Argonauta*].

- HOYLE, Dr William Evans. 1855-1926. Director, Manchester Museum 1889-1909.
 Director, National Museum of Wales 1909-1924.
 "Scotia" cephalopods. See: Scottish National Antarctic Expedition.
- INGLES, William M. Taxidermist. North Berwick, East Lothian.
 1921.30. *Ommastrephes*. Also various coloured casts of fishes and cephalopods prepared
 by Ingles for Dr J. Ritchie of the Royal Scottish Museum: 1908.53, 1910.193, 1920.1,
 1921.95, 1924.146, 1927.13.
- INGLIS, Revd John. Missionary. Aneityum, New Hebrides.
 1860.19. *Nautilus*, "cuttlefish", seashells, and many other specimens from the New
 Hebrides, both dry and in spirit.
- INKSTER, Charles J. Mid Yell, Shetland.
 1950.2. *Architeuthis* sucker rings.
- JARVIE, Captain William. Newhaven, [Edinburgh].
 1901.66, and 1901.73. Marine animals from Isle of May, Firth of Forth.
 1910.159. Squid spawn.
- JOHNSTONE, William. Burntisland, Fife.
 1925.26. Collection of Mauritius marine shells, collected c. 1850.
 Per Miss Hullard, of same address.
- JONES, S. Griff. Liverpool.
 1889.18. *Dosidicus* pens.
- KEVAN, Douglas Keely. 1895-1968. Edinburgh. Obituary: *J.Conch.* **26**: 419-421.
 1968.68. Collection of shells (c.20,000 specimens), mostly Scottish non-marine.
- KINNEAR, Miss Isabella. †1962. Edinburgh.
 1962.20. A few large, decorative shells.
- KIRKPATRICK, Thomas. Royal Scottish Museum, q.v.
- KNIGHT, Donald. Edinburgh.
 1876.30. *Loligo* pen.
- LU, Dr. C.C. Marine Science Research Laboratory, Memorial University of Newfoundland,
 St John's, Newfoundland, Canada.
 1980100. *Illex*.
- LUDLOW, Dr Clara S.
 1908.235. General collection of shells (c.74 species, 907 specimens), including some
 ex Maynard from Turks Is. Per Mrs Douglas E. Burne, of Edinburgh and Rosneath,
 Dunbartonshire.
- LYLE, J.
Dosidicus lens. Registered in Art Department 1968.429.
- LYSTER, Ian H.J. Royal Scottish Museum, q.v.
- McANDREW, Robert. 1801-1873. Liverpool.
 Several large collections of marine and non-marine shells, but only the following include
 cephalopods: 1865.27, 1869.33, 1870.6.
- McBAIN, Dr James. R.N.
 1868.11. Cuttlefish spawn.
- MacDONALD, W. Buckie, Banffshire.
 1935.1. *Sepia*.

- MacDOUGALL, Major Alexander James. 1872-1953. Oban, Argyll.
29th hereditary chief of Clan MacDougall.
1911.135. Zoological collection, mostly insects from Ceylon.
- McEACHARN, Sir Malcolm Donald. 1852-1910. Merchant. Mayor of Melbourne, Australia
1899-1900.
1925.9. Australian animals, including mounted birds and eggs, and mammals, fish and
invertebrates in spirit. Per Lady McEacharn, Garlieston, Wigtownshire.
- McINTOSH, William Carmichael. 1838-1931. Murthly, Perthshire. Subsequently Professor of
Natural History, St Andrews University 1882-1917, and Director of the Gatty Marine
Laboratory.
1877.18. Collection of annelids, crustaceans and some molluscs (318 species, 600
specimens), received in exchange.
1884.50. Various marine animals, mostly invertebrates.
1918.27. Cephalopod eggs, previously unregistered [but includes some already registered
1884.50].
1981.129. Cephalopods previously unregistered and possibly received in exchange from
Perth Museum.
- McKAY, David W. Aberdeen Marine Laboratory.
The records of cephalopods from east Scotland listed by McKay & Smith (1979) include
material in the Royal Scottish Museum collections. Reference to the catalogues shows the
similarity between material collected by A.C. Stephen and that by D.W. McKay, who has
presented the Royal Scottish Museum with many specimens also obtained during scientific
investigations by the Marine Laboratory research vessels, in particular "Clupea" and the
present "Explorer" and "Scotia". The prefixes "C", "E" or "S" before the haul numbers
indicate which vessel was involved.
1977002. Specimens from dredgings during DAFS cruises, 1976.
1977055. Specimens from DAFS cruises, 1977.
1978040. Specimens from FRV "Clupea" scientific investigations, 1978.
1979079. Intertidal Mollusca from Brittany.
1980038. Cephalopods from DAFS cruises, 1979-80.
- MacKELLAR, Dr Frederick.
1853.4. Collection of many thousands of shells, insects, human crania, ethnological instru-
ments and minerals. Presented to the University Museum on the condition that a duplicate
set of specimens should be presented to the Watt Institution at Dundee.
- McKENZIE, Miss C.M. Calgary, Isle of Mull.
1930.36. *Ommastrephes* beak.
- MacKENZIE, John. Dunvegan, Isle of Skye.
1977107. *Ommastrephes*.
- McMURTRIE, Mrs B.S. ? widow of the following.
1913.75. Models and specimens of marine invertebrates.
1913.97. Cephalopods.
- McMURTRIE, Very Revd John. 1831-1912. Edinburgh. Moderator of the General Assembly of
the Church of Scotland 1904-05.
1957.45. Collection of land and freshwater shells. Per Miss B.S.B. McMurtrie. This collection,
however, certainly contains numerous marine shells. It is believed that other shells were
added in 1948 by Mrs C.M. Callender, widow of David Callender of Edinburgh. The
Callenders were friends of the McMurtries.
- MAIR, Alexander and Adam. Buckie, Banffshire.
1927.6. *Ommastrephes* beak.
- MARINE BIOLOGICAL ASSOCIATION OF THE U.K.
See: Plymouth: Marine Biological Association.
- MARWICK, James G. Stromness, Orkney.
1937.80. *Ommastrephes*.

- MATHIESON, Mrs George.
1978025. *Nautilus*, previously unregistered.
- MAYNARD, Charles Johnson. 1845-1929. Dealer in Natural History supplies.
Boston, Massachusetts, U.S.A.
Turks Is. shells in Ludlow collection, q.v.
- MEIKLEJOHN, R.G. Thurso, Caithness.
1981130. *Loligo* and *Eledone*.
- MILLER, G. Edinburgh. 1950.
1978022. *Sepia* "bone", previously unregistered.
- MILLER, William. Leith, [Edinburgh].
1909.9. *Todarodes*.
- MILLS, Mrs Georgina. Edinburgh.
1956.13. Collection of shells mainly from New Hebrides and New Caledonia, collected
1952-55.
- MILLS, D.H. Scottish Marine Biological Association, Edinburgh.
1956.14. Marine animals from Sierra Leone and French Guinea.
- MOIR, John W. Edinburgh.
1909.115. Collection of West Indian shells (585 specimens).
- MOIR, Miss M.A. Portland Place, London.
1871.22. Collection of South African shells. [Mostly lent to St Andrews University Museum
1918, finally transferred 1944, but some specimens which were on display in the Royal
Scottish Museum remain.]
- MONTROSE MUSEUM. Angus.
1978018. *Octopus* collected by W. Duncan, 1893, not previously registered. It is not known
when this specimen was acquired by the Royal Scottish Museum. It was still in Montrose
Museum when Stephen (1937b: 132) examined it.
- MORGAN, Mrs Kinsay. Moffat, Dumfriesshire.
1978026. Decorative shells. Transferred from Jenner's Depository, 1954.
- MÜLLER, Dr Phil. August. Naturhistorisches Institut, Invalidenstrasse, Berlin.
1899.131. Spirit and other preparations.
- NAPLES: ZOOLOGICAL STATION.
1883.4. 281 Natural History preparations.
1895.130. Spirit and other preparations.
- NASH, Captain D.H. South Shields, [Tyne and Wear].
1910.137. Two moths and a number of shells from Chile.
- NESS, William. 1935.
1978031. *Eledone*, previously unregistered.
- NEW COLLEGE MUSEUM. Edinburgh University.
Unregistered. *Eledone*.
- NICOL, William. 1768-1851. Inventor of the polarizing prism. Edinburgh.
1959.43. Collection of shells (c.4000 specimens). Given to friend Alex Bryson of Edinburgh in
1850. Presented to Royal Scottish Museum by Mrs Archibald Gillespie Bryson,
Edinburgh.
- NORTH SEA INVESTIGATIONS OFFICE. Aberdeen.
See: Aberdeen Marine Laboratory.

OLIVER, Dr P. Graham. National Museum of Wales. Formerly Royal Scottish Museum, q.v.

PANCERI, Professor Paolo. †1877. Naples.
1871.2. 150 Mediterranean fishes and *Ocythoe*.

PEACH, Charles William. 1800-1886. Geologist and Naturalist. Edinburgh.
Employed by H.M. Coastguards in Cornwall and subsequently by H.M. Customs at Peterhead and Wick. Obituary: *Geol.Mag.* (3) 3: 190.
1873.4. *Loligo* and *Sepiola*.

PEARCEY, F.G. 1900. Fisheries Board for Scotland, Aberdeen, and assistant aboard H.M.S. "Challenger".
1918.12. *Alloteuthis*, previously unregistered.

PEILE, Lt-Colonel Alfred James. 1868-1948. Wimbledon, London. Voluntary worker in Mollusca Section, British Museum (Nat. Hist.) 1920-40. Obituary: *J. Conch.* 23: 21.
1948.82. Large collection of radulae mounted on slides.

PETERHEAD MUSEUM. Aberdeenshire.
1978032. 4 molluscs including *Sepiola*, *Loligo* and *Ommastrephes* beak.

PETERSON, J. Lerwick, Shetland.
1950.3. *Architeuthis* beak.

PLYMOUTH: MARINE BIOLOGICAL ASSOCIATION.
1902.125. *Sepia* juveniles.
1903.20. Marine invertebrates. Per E.J. Allen.
1918.26. Cephalopod ova.

RAE, Dr Bennet B. Aberdeen Marine Laboratory.
1956.33. *Todaropsis*.

RAMSAY, Dr Edward Pierson. 1842-1916. Formerly Curator of the Australian Museum, Sydney.
Unregistered. *Nautilus*.

REID, J. Buckie, Banffshire.
1929.15. *Ommastrephes*.

RIMMER, Richard. 1826-1905. Dumfries.
1959.56. Collection of Mollusca, mainly exotic. Found unregistered.
Per the Curator, Burgh Museum, Dumfries.

RITCHIE, James. 1882-1958. Royal Scottish Museum from 1907. Keeper of Natural History 1921-30. Subsequently Professor of Natural History, Aberdeen University 1930-36. Professor of Natural History, Edinburgh University 1936-52.
See: Royal Scottish Museum.

ROBERSON, Messrs. Artists' Colour Makers. Long Acre, London.
1918.13. Artists' *Sepia* and its raw materials.

ROWLAND WARD, Messrs. Taxidermists and Zoological Suppliers. London.
1911.92. 104 zoological specimens, chiefly frogs, including *Sepia*.

ROYAL SCOTTISH MUSEUM. Edinburgh. Formerly the Edinburgh Museum of Science and Art. A brief history of the natural history collections is given in the Introduction to this Catalogue. Included here are specimens collected by past or present members of the museum staff, material obtained by them during fieldwork, casts made in the museum, and some specimens whose source is not indicated in the registers. The members of staff responsible for the accession is indicated by initials after the entries, as follows:

ACS: A.C. Stephen. ASC: A.S. Clarke. ARW: A.R. Waterston. DH: D. Heppell.
 GS: G. Smaldon. IHJL: I.H.J. Lyster. JR: J. Ritchie. PGO: P.G. Oliver.
 SMA: S.M. Andrews. TK: T. Kirkpatrick. WEC: W.E. Clarke.

1828.8. *Octopus*. Source unknown.
 1877.15. *Todarodes*. Source unknown.
 1891.59. Collection of Natural History specimens, mostly fossil fishes. Source unknown.
 1895.15. *Sepia*. WEC.
 1903.16. Marine invertebrates. TK. 1904.86. *Todarodes* pen. TK.
 1913.1. Engraved *Nautilus*. Transferred from Art Department.
 1917.54. *Architeuthis*. JR.
 1918.16. *Octopus*, previously unregistered.
 1918.17. and 1918.19. *Sepia*, previously unregistered.
 1918.18. *Loligo*, previously unregistered.
 1918.34. *Loligo* pen, found unregistered. Possibly = 1904.90.22.
 1918.35. *Todarodes* pens. TK.
 1919.1. *Todarodes* cast, previously unregistered.
 1925.161. *Eledone* beaks from pilot whale. Obtained with the help of H.M. Coastguards, North Berwick.
 1930.174. *Architeuthis* and cast.
 1937.11. *Todarodes* cast.
 1958.45. Large collection of Scottish cephalopods, mostly from Fisheries Board Scientific Investigations. ACS.
 1959.21. Large collection of Mollusca, mostly Scottish non-marine (c. 36,000 specimens), including shells from Dr James Waterston, J.R. le B. Tomlin, W. Evans, Hazay, and P. Pallary. ARW.
 1967.78. Pelagic animals from Gulf Stream, including *Spirula* and *Sepia* from Barra. ARW.
 1968.5. Marine Mollusca from South Uist. IHJL and ARW.
 1976058. Mollusca from field work in Northern Ireland and the Irish Republic. DH and S.M. Smith.
 1977054. Cephalopods from Firth of Forth. GS.
 1977107. British cephalopods, previously unregistered.
 1978016. *Octopoteuthis* beak. Source unknown.
 1978033. Cephalopods from A.C. Stephen collection, not previously registered. ACS.
 1978036. *Sepia* "bones". ARW.
 1978042. Mediterranean cephalopods, previously unregistered.
 1978090. *Architeuthis*. DH.
 1979044. Mollusca from Mull and neighbouring islands. ASC.
 1980014. *Todarodes* beak. SMA.
 1980074. Mollusca from fieldwork in Channel Islands. DH and S.M. Smith.
 1981131. Mollusca from "Sarsia" cruise, 1978. GS.
 1981133. *Spirula*. PGO.

ST MARGARET'S CONVENT. Edinburgh.
 Unregistered. *Nautilus*.

SALISBURY, Albert Edward. 1876-1964. High Wycombe, Bucks. Obituary:
J. Conch. 25: 293-298.
 1961.61. Large collection of shells (c.341,800 specimens). Includes H.C. Fulton material acquired by A.E. Salisbury from Miss Chichester (daughter of Admiral Chichester) who bought collection after Fulton's death in 1942.

SANDS, H.B. Edinburgh.
 1884.3. 32 recent shells.

"SARSIA". Research Vessel. Marine Biological Association, Plymouth.
 1978 cruise. See: Royal Scottish Museum.

SCHLÜTER, Wilhelm. ? Zoological suppliers. Halle a. Salle, Germany.
 1913.43. and 1913.68. Display specimens.

SCHMIDT, Professor Ernst Johannes. 1877-1933. Director, Carlsberg Laboratorium, Copenhagen, Denmark. Leader of Carlsberg Foundation Oceanographical Expedition round the world 1928-30 and previous "Dana" Expeditions.
1923.34. *Spirula* in the flesh. One of the 95 specimens caught during the 1920-22 "Dana" Expedition.

"SCOTIA" EXPEDITION, 1902-04.

See: Scottish National Antarctic Expedition.

SCOTT, Thomas. Leith, [Edinburgh].

1892.126. *Eledone*.

1895.11. Scottish marine invertebrates.

SCOTT, Dr Thomas. Fisheries Board Marine Laboratory, Aberdeen.

Formerly Fisheries Board Central Laboratory, Edinburgh University, and possibly the same person as the previous entry.

1921.18. *Loligo* beaks.

SCOTT. Barnbougle Castle, Dalmeny, West Lothian.

1933.26. *Eledone* and *Todarodes*.

SCOTTISH MARINE BIOLOGICAL ASSOCIATION. Dunstaffnage Laboratory, Oban.

1976004. Gastropoda collected by RV "Challenger" during the British Atlantic Benthos Survey, Rockall Trough, 1973 and subsequent years. Per Dr John Gage.

1979111. Mollusca from cruise 2A/1977 of RV "Shackleton", undertaken as part of the BABS programme. Per P.G. Oliver.

SCOTTISH NATIONAL ANTARCTIC EXPEDITION, 1902-04.

1921.143. The collection made by RV "Scotia". Per Dr W.S. Bruce, Scottish Oceanographical Laboratory. The cephalopods were examined and described by W.E. Hoyle (1912).

"SHACKLETON". Research Vessel. Cruise 2A/1977.

See: Scottish Marine Biological Association.

SIMPSON, D.R. Ironmonger. Wick, Caithness.

Unregistered. *Architeuthis*.

SISTED, Major. Royal Dragoons.

1824.46. "Cuttlefish".

SLATER, James. Skipper of the Aberdeen trawler "Viking Prestige".

1957.20. *Architeuthis*.

SMALDON, Dr Geoffrey. Formerly Royal Scottish Museum, q.v.

SMITH, Dr Shelagh M. Edinburgh. Marine biologist, associated with the Royal Scottish Museum from 1970. Specimens mostly obtained in the course of fieldwork and marine surveys in association with the Royal Scottish Museum, q.v., the Aberdeen Marine Laboratory, the Nature Conservancy Council, and the Underwater Conservation Society.

1976051. Mollusca from Bahamas.

1977068. *Sepia* "bones".

1977076. Mollusca from fieldwork in Orkney, Caithness and Sutherland.

1979038. Mollusca from East Scotland and Rockall Bank.

1979078. Mollusca from Kerrera, off Oban.

1979080. Mollusca from Mauritius.

1980087. Mollusca from UCS Expedition to Skye, 1980.

1981089. Mollusca from Porcupine Bank, "Challenger" cruise 11/81.

1981090. Cephalopods from trawlers, Tiree.

1981132. *Loligo*.

SOWERBY, George Brettingham III. 1843-1921. Shell dealer. Great Russell Street, London.
1886.17. Collection of recent shells (79 specimens).

SOWERBY & FULTON, Messrs. Shell dealers. Kew Gardens, London.

H.C. Fulton, q.v., worked for G.B. Sowerby II from about 1877 but went into business on his own account when G.B. Sowerby III joined his father's business. G.B. Sowerby II died in 1884. In 1897 Fulton went into partnership with G.B. Sowerby III.

1904.90. Shells of 70 species of Mollusca.

1906.47. 164 shells for the type collection [i.e. examples of various genera, probably for exhibition – not types in the nomenclatural sense].

STEPHEN, Dr Alexander (Alastair) Charles. 1893-1966. Naturalist with Fisheries Board for Scotland, Aberdeen 1920-25. Royal Scottish Museum from 1925. Keeper of Natural History 1935-1958.

The Cephalopoda acquired by A.C. Stephen form the bulk of the collections of British material, and were mostly obtained by him during Scientific Investigations on FRS "Explorer" 1922-35. These specimens, together with material collected by Scott, Pearcey, Robson, and others during earlier investigations of the Fisheries Board for Scotland (1901-20), comprise the collection registered 1958.45. This collection was the basis of Stephen's paper on the Cephalopoda of Scottish and adjacent waters (1944). Many of the specimens referred to by Robson (1909, 1922), collected during the "Goldseeker" investigations, do not appear to have come to the Royal Scottish Museum, however, and indeed specimens obtained during the period when "Goldseeker" was operational seem to have been taken on cruises in fishing boats on short-term hire to the Board. Ships' notebooks and other archival materials concerning Stephen's work are housed in the Aberdeen Marine Laboratory, and have proved invaluable in checking the data available in the Royal Scottish Museum, revealing numerous minor errors. These data have now been rationalized with the assumption that, where there had been inconsistencies, the Haul numbers with the specimens were correct. A number of specimens, including some referred to by Stephen in his 1944 paper, were not registered, and have since been registered as 1978033.

Stephen's correspondence and related archival material relating to specimens of *Architeuthis* and *Ommastrephes* was valuable for adequately cataloguing that part of the collection as many specimens were unregistered and furnished with meagre data.

See: Royal Scottish Museum.

STEVENS, F. Tobacconist. Edinburgh.

1920.86. *Architeuthis* beak.

STEWART, Fred D. Edinburgh.

1890.67. *Todarodes*.

TAYLOR, J.S. Crail, Fife, and subsequently Natal, South Africa.

1968.28. *Argonauta*.

TAYLOR, W. Elgin, Morayshire.

1884.21. 68 Natural History specimens from Texas, including *Ommastrephes*.

THOMPSON, J.

1888.89. Marine invertebrates, including *Nautilus*.

TRAILL, Professor. Probably Thomas Stewart Traill, 1781-1862.

Professor of Medical Jurisprudence, Edinburgh University from 1832.

1854.40. *Sepia* "bones".

TRAILL, Dr William. 1818-1886. Surgeon. Retired to St Andrews, Fife.

See: Bell-Pettigrew Museum.

WARD'S NATURAL SCIENCE ESTABLISHMENT. Rochester, New York, U.S.A.

1921.26. Model of *Octopus punctatus*.

WATERSTON, A. Rodger. Royal Scottish Museum, q.v., from 1935. Keeper of Natural History 1958-73.

WHITE, Dr Philip. Assistant to [James Cossar] Ewart, Professor of Natural History, Edinburgh University from 1882.
1888.1. *Sepia* "bone".

WILD, Oliver H. Student's Union, Edinburgh University.
1920.21. *Todarodes*.

WILKINS, Alice. Wife of G.L. Wilkins, q.v.

WILKINS, Guy Lawrence. 1905-57. Hampstead, London. Mollusca Section of British Museum (Nat. Hist.) from 1949. Created many superb models of living Mollusca in wax which, after his appointment to the museum, were purchased through his wife.

1948.1. Wax model of *Octopus*, in case.

1951.15. 8 models of living molluscs.

1955.50. 12 models of molluscs for exhibition.

YONGE, C. Maurice. University student, Edinburgh. Subsequently Professor of Zoology, Glasgow University.
1921.35. *Eledone*.

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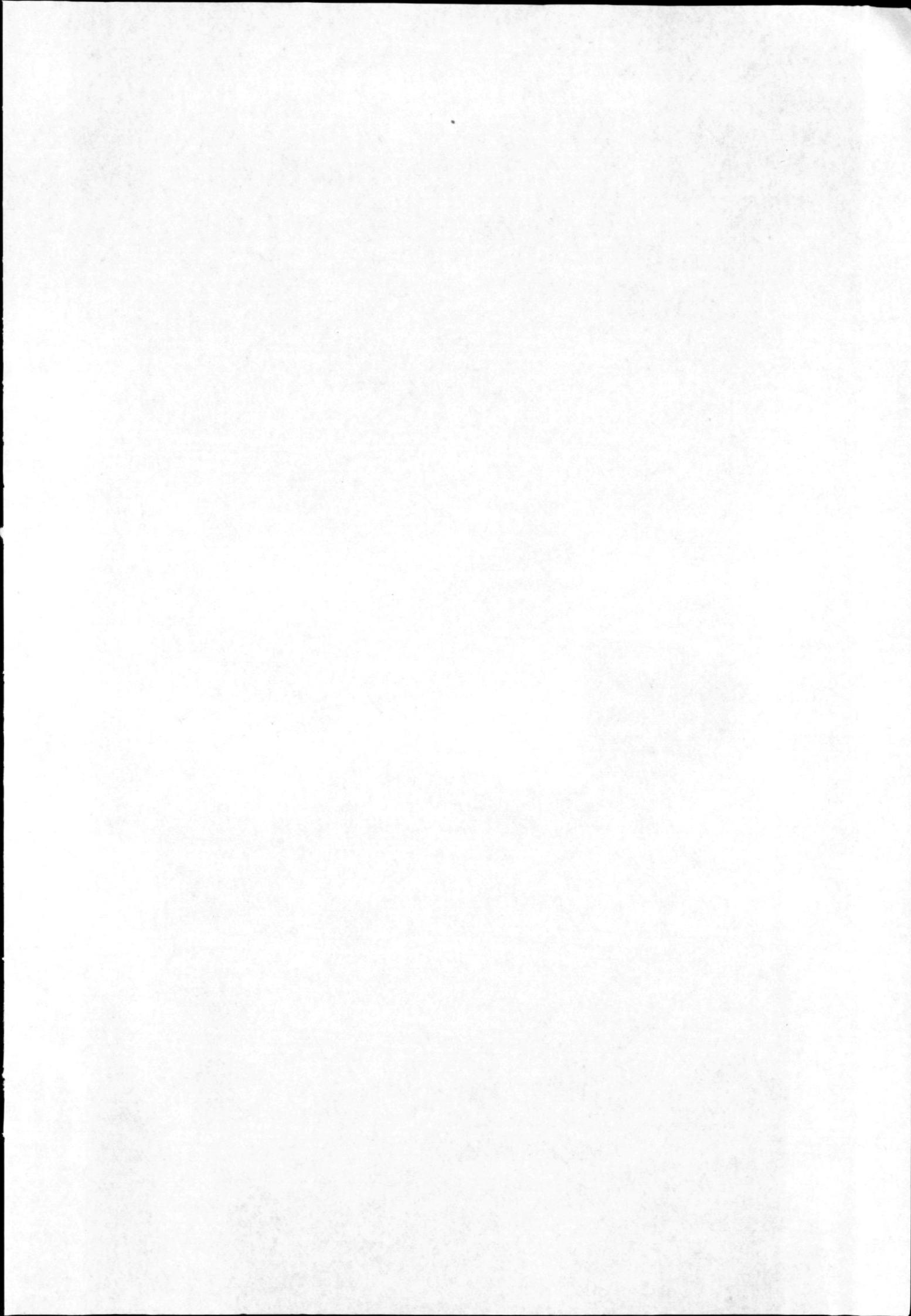
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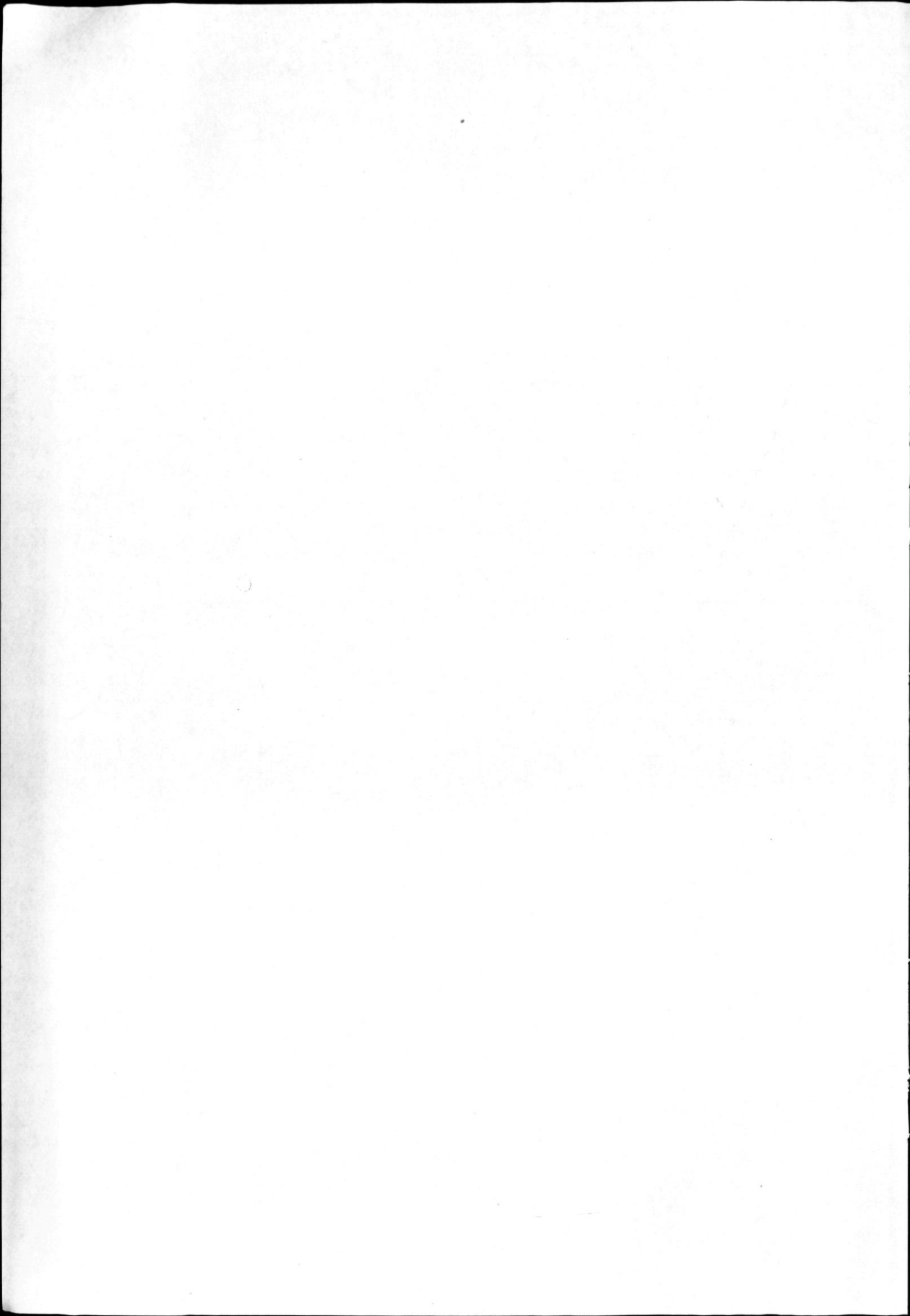
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NATURAL HISTORY

7. Manuscripts in the Royal Scottish Museum, Edinburgh, part 1.
William Jardine papers.
Joy Pitman. (February 1981)
8. Manuscripts in the Royal Scottish Museum, Edinburgh, part 2.
William S. Bruce papers and diary of A. Forbes Mackay.
Joy Pitman. (March 1982)
9. Manuscripts in the Royal Scottish Museum, Edinburgh, part 3.
J.A. Harvie-Brown papers.
Joy Pitman. (In preparation)

ART & ARCHAEOLOGY (ISSN 0309-393X)

1. Catalogue of the ancient Greek coins in the Royal Scottish Museum, Edinburgh.
N.K. Rutter. (November 1979)
2. A catalogue of the Akkadian cuneiform tablets in the collections of the Royal Scottish Museum, Edinburgh,
with copies of the texts.
Stephanie Dalley. (August 1979)
3. A catalogue of North Athapaskan Indian artefacts in the collection of the Royal Scottish Museum, Edinburgh.
Dale Idiens. (March 1979)
4. A catalogue of Roman coins, A.D. 193 - A.D. 400, in the collections of the Royal Scottish Museum, Edinburgh.
C.E. King. (March 1981)
5. A catalogue of Roman coins, Augustus to Commodus, in the collections of the Royal Scottish Museum,
Edinburgh.
I.A. Carradice. (March 1982)

TECHNOLOGY (ISSN 0307-5044)

1. Scottish scientific instrument makers 1600-1900.
D.J. Bryden. (December 1972)

