

ROYAL
SCOTTISH
MUSEUM

Instituut voor Zeewetenschappelijk onderzoek
Institute for Marine Scientific Research
Prinses Elisabethlaan 69
8401 Bredene - Belgium - Tel. 059 / 80 37 15

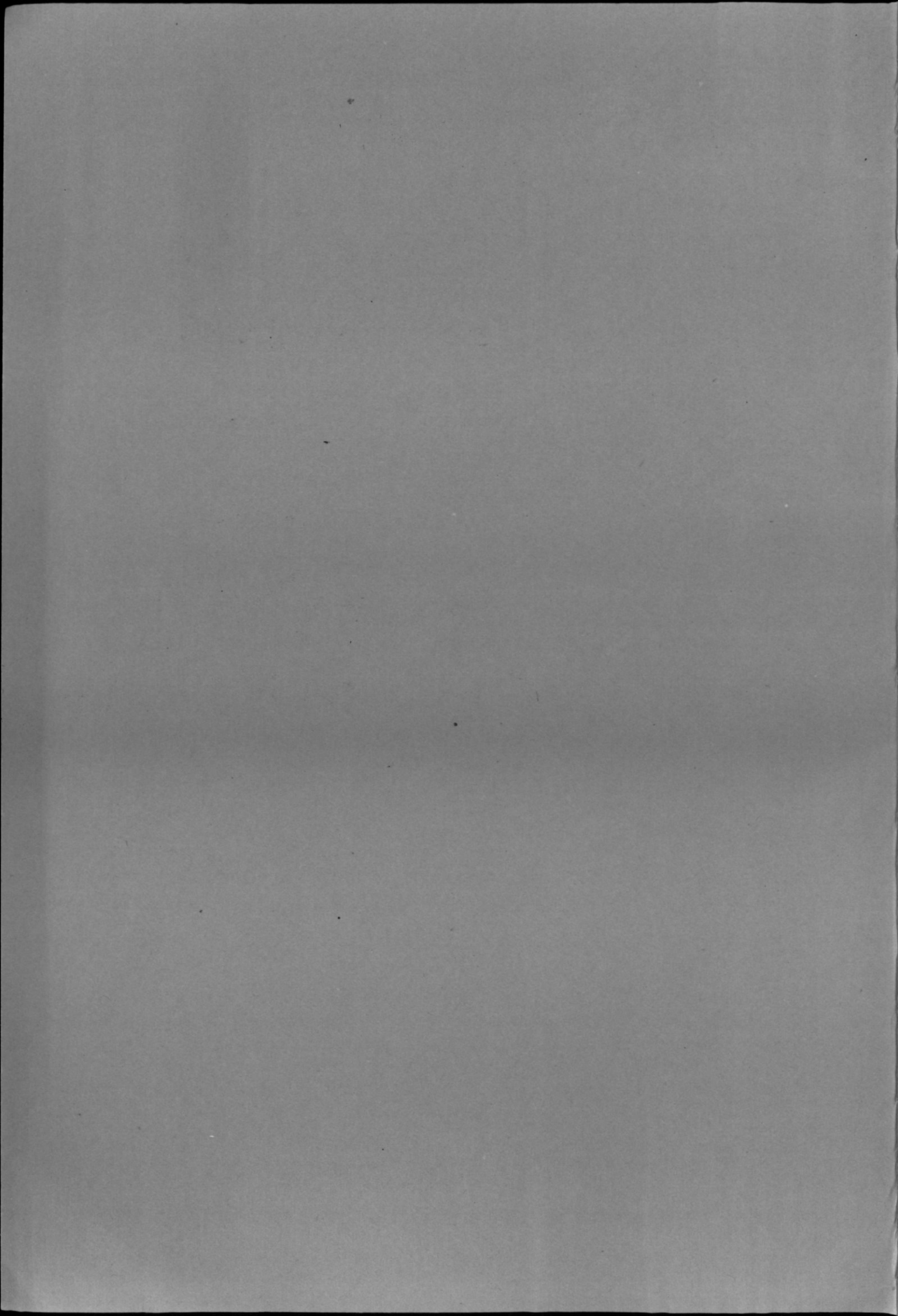
INFORMATION SERIES

**A Catalogue of the Amphipoda
(Crustacea) in the
collection of the late
D. M. Reid, now in the
Royal Scottish Museum,
Edinburgh**

J. M. SANDERSON

NATURAL HISTORY 1

FEBRUARY 1973



Instituut voor Zeewetenschappelijk onderzoek
Institute for Marine Scientific Research
Prinses Elisabethlaan 69
8401 Bredene - Belgium - Tel. 059/80 37 15

**A Catalogue of the Amphipoda
(Crustacea) in the
collection of the late
D. M. Reid, now in the
Royal Scottish Museum,
Edinburgh**

J. M. SANDERSON

EDINBURGH 1973

ABSTRACT. A catalogue of the Amphipod collection of D.M. Reid is given. As well as describing much material of distributional interest, it contains type and figured material of 4 species of British Amphipoda described by Reid; also duplicate Lund Chile Expedition and Atlantide Expedition material for which presumed type and figured specimens have been indicated.

A list of D.M. Reid's publications on Amphipoda is given.

CONTENTS

	Page
Introduction	iv
D.M. Reid publications relating to Amphipoda	v
List of spirit and slide material, alphabetical by family and genus	1

APPENDIX

Supplementary lists of spirit material	
<i>Atlantide Expedition</i>	58
<i>Lund Chile Expedition</i>	63
List of Lund Chile Expedition material in collection	64
Family uncertain	67
Index to genera and species	69
References	77

Introduction

Douglas Miller Reid, 1897-1959, was well known for his work on Amphipoda, as a regular contributor to *Annals and Magazine of Natural History*, and to *Nature*, and was responsible for two *Linnean Society Synopses of the British Fauna*: he also identified and wrote up the Amphipoda for the Copenhagen University Atlantide Expedition and at the time of his death was similarly engaged in the Amphipoda returned from the Lund Chile Expedition.

During his lifetime he built up a fine private collection of Amphipoda and this was acquired by The Royal Scottish Museum on his death in 1959. The collection also contains specimens given to him by A.B. Bowers, R. Dennell, A.E. Ellis, R. Elmhirst, G. Fryer, C.B. Goodhart, J.M. Pirlot, E.W. Sexton, C. Shoemaker and others. Some of the material has been identified by E. Dahl, G.M. Spooner and K. Stephensen. C.B. Goodhart has confirmed that the specimens in this collection marked CBG were those used as a basis for his paper 'The ecology of the Amphipoda in a small estuary in Hampshire'.

The collection consists of spirit material Reg. Nos. 1959.61.1 to 207 and slides Reg. Nos. 1959.61.S1 to S.799. The first two elements in this number, 1959.61, are omitted for clarity in the list. The third element of the Reg. No. appears, for spirit specimens, under the species name, and for slides, in the centre of the page after spirit entries. The names and information given for each specimen are as given by D.M. Reid on his labels, and where for clarity additional information is given it will be found in brackets [].

In the case of spirit specimens several tubes are usually contained in one jar: these will be found numbered a, b, c, etc.

D.M. REID PUBLICATIONS RELATING TO AMPHIPODA

- 1929 *Orchestia deshayesi* (Amphipoda) on the north coast of Scotland
Ann.Mag.nat.Hist., (10) 3: 223-224.
- 1938 Burrowing methods of *Talorchestia deshayesi* (Audouin), (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 1: 155-157, 1 fig.
- 1938 *Gammarus marinus* Leach var. nov. *stoerensis* (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 1: 287-289, 5 figs.
- 1938 Forms of *Gammarus* from Ireland.
Nature, Lond., 141: 690.
- 1939 *Hyale ramalhoi* sp. nov., (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 3: 29-32, 2 figs.
- 1939 On the occurrence of *Gammarus* (*Marinogammarus*) *obtusatus* Dahl, (Crustacea-Amphipoda) new to Britain.
Ann.Mag.nat.Hist., (11) 3: 620-622, 4 figs.
- 1939 *Melita hergensis* sp. nov. (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 4: 278-281, 11 figs.
- 1939 On the occurrence of *Gammarus duebeni* (Lilj.) (Crustacea-Amphipoda) in Ireland.
Proc.R.Ir.Acad., 45b: 207-214, 1 fig.
- 1940 On *Gammarus* (*Pectenogammarus*) *planicrurus*, subgen. et sp. nov., (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 6: 287-292, 1 fig.
- 1940 Three species of Amphipoda Crustacea new to Britain.
Ann.Mag.nat.Hist., (11) 6: 335-337.
- 1941 The Amphipod fauna of Oldany Harbour, Sutherland.
J.Anim.Ecol., 10: 296-305, map.
- 1943 *Gammarus sarsi* sp. nov. (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 10: 281-285, 1 fig.
- 1943 Occurrence of crystals in the skin of Amphipoda.
Nature, Lond., 151: 504-505.
- 1944 Gammaridae (Amphipoda) with keys to the Families of British Gammaridea.
Synopses Br. Fauna, 3: figs. 1-32.
- 1945 *Gammarus ochlos* (nom. nov.), (Crustacea-Amphipoda).
Ann.Mag.nat.Hist., (11) 12: 637-638.
- 1947 Talitridae (Crustacea-Amphipoda).
Synopses Br. Fauna, 7: figs. 1-15.
- 1948 Occurrence of the Amphipod *Orchestia bottae* and other organisms in Britain.
Nature, Lond., 161: 609.
- 1951 Report on the Amphipoda (Gammaridea and Caprellidea) of the coast of tropical West Africa.
Atlantide Report 2: 189-291, figs. 1-58.
- 1951 Northward distribution of *Gammarus pulex* (L.).
Nature, Lond., 168: 126.
- 1951 (with E.W. Sexton) The Life history of the multiform species *Jassa falcata* (Mont.) (Crustacea-Amphipoda) with a review of the bibliography of the species.
J.Linn.Soc.,(Zool.), 42: 29-91, 27 plates.

1955

Amphipoda (Hyperiidea) of the coast of Tropical West Africa.
Atlantide Report 3: 7-40, figs. 1-9.

GAMMARIDEA

ACANTHONOTOZOMATIDAE Boeck, 1871

Iphimedia Rathke, 1843

I. obesa Rathke, 1843

- 46 a. Clyde
 b. Salmon nets, Stoer, 15:8:44

Panoploea Thomson, 1880

P. minuta (Sars, 1895)

- 45 a. 2-7f., Portencross, Ayrshire 25:4:40

AMPELISCIDAE Bate, 1857

Ampelisca Kroeyer, 1842

A. aequicornis v. *verga* Reid, 1951.

SYNTYPE

S1. ♀ 161-7I, Leg.5. [Atlantide]

A. brevicornis (Costa, 1853)

- 15 a. From Linne Mhurich, 22:7:43
 b. In soft mud, Lymington, 3:10:40
 c. In clean sand, LWST, Hurst, Keyhaven, Hants.
 4:38

A. composita Schellenberg, 1931

- 15a a. M16.E [Lund]

A. ctenopus Schellenberg, 1925

- 19a a. Atlantide Stn No 151

FIGURED SLIDES

- S2. Atlantide Exp., Head, ♀ Ups. III.
S3. " " Mouthparts, ♀ Stn. 160.
S4. " " 160-3, Telson.
S5. " " ♂ 110-1c, Leg 5, winged.
S6. " " 161-1, long. sect., Legs and Telson.
S7. " " 161-1, ♀ Legs, 4, 5.
S8. " " Ep.III, ♀ Legs 3,5 (6, 7), Gn. I, II.

[see Reid, 1951 fig. 5]

A. diadema (Costa, 1853)

16 a. Bigbury, Plymouth, 30:3:39

A. eschrichti Kroeyer, 1842

S9. M.16e. M, Up.III. [Lund]

S10. M.16e, *A. eschrichti* var. [Lund]

A. heterodactyla Schellenberg, 1925

S11. 161.7a, ♀ Head, Legs 5, 6. Gns. etc. [Atlantide]

A. jahrlii Reid, 1951

? HOLOTYPE

a. 161-7D [Atlantide]

incomplete specimen: parts evidently removed for slide mounting but no corresponding slide in collection.

A. miserabilis Reid ms.

S12. M.16e, ♂ A, 2 humps, Gns. I, II, Up.III. [Lund]

S13. M.16e, ♂ A-, Leg 6, 7, of small spec., 2 humped spec. [Lund]

A. rostrata Spandl, 1924

S14. M.16e, ♂ Legs 5, 6, 7. [Lund]

A. spinimana Chevreux, 1887

17 a. Dredged in sand, Oldany, 7:8:36

A. spinipes Boeck, 1861

18 a. Dredged by Salpa, 20:4:38

b. In stomach of *Raia maculata*, Plymouth, 28:3:39

A. typica (Bate, 1857)

19 a. In sand, outer basin, Oldany, 3:8:39

A. sp.

S15. (a) *Ampelisca* T.D.S., Type P, Stn 75, Leg, ♀ [Atlantide]

* (b) *Ampelisca* T.D.S., Type I, Stn 58, ♂ intersex, Leg 5. [Atlantide]

S16. ♀♀ Legs 7, M17 unstrained, M20 strained red. [Atlantide]

S17. M.107b, Gn.I, II, I the larger. [Atlantide]

S18. M.107b, Legs 5, 6, 7. [Atlantide]

S19. M.145a, Legs 5, 6, 7, Up. III. [Atlantide]

S20. M18, Leg 7, ♀. [Lund]

Haploops Liljeborg, 1855

H. tubicola Liljeborg, 1855

20 a. No location

AMPHILOCHIDAE Boeck, 1871

Gitana Boeck, 1871

G. sarsi Boeck, 1871

35 a. On *Laminaria*, S. Channel, Oldany, 14:8:39

AMPITHOIDAE Stebbing, 1899

Ampithoe Leach, 1814

A. rubricata (Montagu, 1808)

- 140 a. Among weed growing on buoy rope, Oldany, 22:8:37.
b. Oldany, Stoer, 1:1:39.
c. On weeds, Traghad, Stoer, -:4:38.
d. Tube case of *Nereis*, Wembury, Plymouth, 17:4:38.
e. Stoer.
f. Drakes Is., Plymouth.

S21. No other data other than slide No. 17.

S22. ♀ Drakes Island, Plymouth, April 1936, CBG.

A. vaillanti (Lucas, 1849) (now *A. ramondi* Audouin, 1826 see Pirlot, 1938)

- 141 a. Under stones, Saltdean, Sussex, 14:1:40.
b. With *Ascidia mentula*, Oldany, -:4:38.

Grubia Czemiavski, 1868 (now *Cymadusa* Savigny, 1816 see Ruffo, 1947)

G. crassicornis, (Costa, 1857)

- 144 a. Dredge at 6f, Plymouth Sound, 19:5:38.

Pleonexes Bate, 1857

P. ferox Chevreux, 1902

- 142 a. High tide pool, Harwin, Cornwall, -:4:40.

P. gammaroides Bate, 1857

- 143 a. In rock pool, Hells Bay, I. of Scilly, 25:9:38.
b. On weed on pool, Sgeir Fada, Stoer Bay, 8:9:41.
c. Newtrain, Cornwall, -:1:40.
d. On weed over sand, Oldany, 7:8:39.
e. Salmon nets, Stoer.

Sunamphitoe Bate, 1857

S. pelagica (Milne-Edwards, 1830)

- 145 a. Oldany, Stoer, 1:1:39.
 b. On weed, on sand, outer basin, Oldany, 7:8:39.

AORIDAE Stebbing, 1899

Aora Kroeyer, 1845

A. atlantidea Reid, 1951

SYNTYPE

S23. N.sp. Stn. 151, Gn. I, ♀ [Atlantide]

S24. N.sp. Stn. 151, Gn. II, ♀ [Atlantide]

A. typica Kroeyer, 1845

- 123 a. On *Laminaria*, 2-7f., Keppel, Clyde, 16:10:40.
 b. On *Laminaria*, Bryher, Scilly, 22:9:38.
 c. Oldany, Stoer, 1:1:39
 d. Keyhaven, Hants
 e. With *Ascidia mentula*, Oldany, -:4:38.
 f. With *Balanus* on net floats, -:8:38., Stoer.
S25. ♂ Keyhaven, Hants, Aug 1936, CBG.
S26. ♀ Keyhaven, Hants, Aug 1936, CBG.

Coremapus Norman, 1905 (Now *Microdeutopus* Costa, 1856 see Myers 1969)

C. versiculatus (Bate, 1857)

- 128 a. Dredged S. Channel, Oldany, 10:8:39.
 b. Tameton Creek, Plymouth, 20:7:38.
 c. Dredged S. Channel, Oldany, 10:8:39.

Lembos Bate, 1857

L. websteri Bate, 1857

- 127 a. From 2-3f, Keppel, Millport, 5:11:41.
 b. With *Ascidia mentula*, Oldany, Stoer, -:4:38.
 c. Tresco, Scilly, 20:9:38.

Leptocheirus Zaddach, 1844

L. hirsutimanus (Bate, 1862)

- 135 a. Tresco Flats, Scilly, 25:9:38.

L. pectinatus (Norman, 1869)

- 136 a. Atlantide Stn. 147, 9°28'N, 14°56'W, 14:4:46, 14.20 hrs., shells, forams.

L. pilosus Zaddach, 1844

S556. ♀ Keyhaven, Hants, Aug. 1936, CBG.

S557. ♂ ditto.

S558. Crystal, from *L. pilosus*. N.O.

Microdeutopus Costa, 1853

M. chelifera (Bate, 1862)

124 a. Asia shoal, 9:4:38.

b. Tresco, I. of S., 24:9:38.

c. Madeira, Aug. 38.

d. Drakes D., Plymouth.

S27. ♀ Plymouth, Devon, April 1936, CBG.

M. damnoniensis (Bate, 1871)

125 a. 6f, in trawl, Plymouth Sound, -:4:38.

M. kraemmeri Reid, 1951 (now *Lembopsis kraemmeri* Reid, 1951 see Myers, 1968)

PARALECTOTYPE

126 a. Stn 153, 10°49' N, 16°39' W, 16:4:46. [Atlantide]

ARGISSIDAE Walker, 1904

Argissa Boeck, 1871

A. stebbingi Bonnier, 1896

50 a. W. African Fish, Rep. 1.

ATYLIDAE Liljeborg, 1865

Nototropis Costa, 1853 (now *Atylus* Leach, 1815 see Barnard, 1956)

N. falcatus (Metzger, 1871)

57 a. Ardwall Is., Wigtown Bay, 1939.

b. Floating algae in Solent, -:9:37.

N. guttatus (Costa, 1851)

58 a. In *Laminaria* holdfasts, Totland Bay, I.O.W.

N. swammerdami (Milne-Edwards, 1830)

59 a. Gunard Hd, Cornwall.

b. Salmon nets, Stoer.

- c. Trepases, intertidal pools.
- S28. ♂ Keyhaven, Hants, Aug. 1936, CBG.
- S29. ♀ Keyhaven, Hants, Aug. 1936, CBG.
- S30. No data.

CALLIOPIIDAE Sars, 1893

Apherusa Walker, 1891

A. bispinosa (Bate, 1857)

- 53 a. Bigbury Bay, Plymouth, 30:3:39
- b. Millport, Clyde, 2-3f., 5:11:40

A. cirrus (Bate, 1862)

- 54 a. On green algae, below Dun, Stoer, 11:1:38, ½ T.M.
- b. Newtrain, Cornwall, 1:40

A. jurinei (Milne-Edwards, 1830)

- 55 a. Newtrain, Cornwall, -:1:40.
- b. In rock pool, Sgeir Fada, Stoer Bay, 8:9:41.
- c. Keyhaven, Hants.
- d. Oldany, ♀ LWNT, 11:8:39.
- e. On *Halichondria* on *Fucus*, Oldany, 6:1:38.
- f. Constantine, ½ tide, rock pool, -:4:40.
- g. In *Laminaria* holdfast, Stoer Bay, 3:1:39.
(note ill defined eye).
- h. Salmon nets, Stoer.
- i. Bryher, Scilly, Hangman Is. 21:9:38.
- j. Sutherland, 24:8:42.
- k. Stoer Bay.

- S31. Carapace just moulted.
- S32. New carapace, old one just moulted.
- S33. ♀ S. Scotland.
- S34. ♂ Drakes Island, Plymouth, April 1936, CBG.
- S35. No data.

Calliopius Liljeborg, 1865

C. crenulatus (Chevreux & Fage, 1925) (now *C. laeviusculus* (Kroeyer, 1838) see Schellenberg, 1942)

- 51 a. Saltdean, Sussex, 5:1:40.
- b. Trerone, LWMST, 4:40

- c. *Calliopius* ? n.sp, with *G. planicrurus*, Saltdean, Sussex, 1:7:40.
- d. In fibrous algae, near LWMST, S.Side, Stoer Bay, 30:1:41.
- e. Traghad, Stoer, -:4:38, LWMUST.

S36. Keyhaven, Hants, April 1936, CBG.

C. rathkei (Zaddach, 1844)

- 52 a. Pool, HWM, Plymouth, 20:3:39.

Calliopius ?n.sp.

S37. Mouth parts, found with *Gammarus planicrurus*, Saltdean, Sussex, 1:7:1940.

S38. Per. IV, VII, Up. III, found with *G. planicrurus*, Saltdean, Sussex, 1:7:1940.

Stenopleura Stebbing, 1888

S. atlantica Stebbing, 1888

- 52a a. Atlantide Stn. 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs, M.W.1750, S.200. [not recorded from this Stn. in Rep.]

S39. Stn. 24, ♂, Gn. I, II, Legs., VI, VII, Up, III. [Atlantide]

S40. Stn. 24, Leg. III [Atlantide].

CHELURIDAE Allman, 1847

Chelura Philippi, 1839

C. terebrans Philippi, 1839

- 162 a. On drift wood, Plymouth, 29:3:39.
- b. Woodboring in the pier, at LWMT, Hurst Pier, Keyhaven, Hants, -:4:37, CBG.

COLOMASTIGIDAE Chevreux, 1899

Colomastix Grube, 1861

C. pusilla Grube, 1861

- 43 a. Stoer, 16:9:43.
- b. Asia shoal, 27:3:39.
- c. Dredged by Salpa, 10:4:38.

C. brazieri Haswell, 1880

- 61 a. Stn. M.92, AI)
- b. M.147A, 16:7:49) (Lund Univ. Chile Exp. 1948-49)

Colomastigiidae

undetermined material.

- S41. ♀ ovig., Per. 1, II, IV, VII, M.14.
- S42. ♂ Per I, II, Up.III, M.14.
- S43. ♀ ov., Mundelar, Up.III, M.14.

COROPHIIDAE Dana, 1849

Corophium Latreille, 1806

C. acherusicum Costa, 1857

- 153 a. Keyhaven, Hants.
- b. Hurst pier, Keyhaven, Hants.
- c. Oldany, on *A. mentula*, 7:8:39.
- d. Atlantide Stn. 155, off Bathurst, Gambia.
22:10:45, 28:9:45, scrapings from ships and buoys.
- S44. ♀ Keyhaven, Hants. Sept. 1936, CBG.

C. arenarium Crawford, 1937

- 154 a. Hurst point, about ½ tide, in muddy pebbly sand.
25:6:39, CBG. F. common. [This tube also contains label; *Bathyporeia pilosa*, common].

C. bonelli (Milne-Edwards, 1830)

- 155 a. In *Cysteira*, Keppel, Clyde, 5:11:40.
- b. Oldany, Stoer, 1:1:39.
- c. On *M. squinado*, 24:3:39. Plymouth.
- S45. ♂ Head.
- S46. ♂ Gn.I.
- S47. ♂ Gn.II.
- S48. ♀ Ant.I.
- S49. ♀ Ant.II.
- S50. ♂ Ant.II.
- S51. Maxillp.
- S52. ♂ Pl.I.
- S53. Urosome, ♂
- S54. ♂ Keyhaven, Hants, Aug. 1936, CBG.
- S55. ♂ Keyhaven, Hants, Aug. 1936, CBG.

C. crassicorne Bruzelius, 1859

- 156 a. In sand, outer basin, Oldany, 3:8:39.
- b. Salmon net floats, Stoer.

c. Plymouth

S56. ♀ Millbay, Plymouth, April 1936, CBG.

C. insidiosum Crawford, 1937

157 a. 2-3f, Keppel, Clyde, 5:11:40.

b. Keyhaven, Hants.

S57. ♀ Ant. I, abnormal.

S58. ♀ Ant. I, II.

S59. ♂ Ant. I, II, Urosome.

S60. ♀ Urosome.

S61. 'gland' in 3rd Ep. plate of *Corophium insidiosum*.

C. sextoni Crawford, 1937

158 a. Asia Shoal, 9:4:38.

C. volutator (Pallas, 1766)

159 a. Ardwall Is, Wigtown Bay, Dumfr. 1939.

b. Mud, Seamills, St Issey, Cornwall, -:1:40.

c. Keyhaven, Hants.

d. Burrowing in stony mud, Iley Flats, Station 4, f. common, CBG, 7:7:39.

e. Telegraph Lake, mud flats, Z, 6:6:39, Station 10.

S62. ♂ Keyhaven, Hants, Aug. 1936, CBG.

S63. ♀ Keyhaven, Hants, Aug. 1936, CBG.

S64. ♂ Ant. I, II, Gn.II.

S65. ♀ Ant. I, II, Urosome.

S66. No other data.

Ericthonius Milne-Edwards, 1830

E. braziliensis (Dana, 1853)

152 a. Keyhaven, Hants

b. Ships fouling, Aden, WAKW

c. On *Laminaria* washings, Clyde, 3-7f, 20:10:40.

d. Oldany, Stoer, 1:1:39.

e. Atlantide Stn 141.

S67. ♂ Keyhaven, Hants, April 1936, CBG.

S68. No data.

'*Pseudcorophium*' Reid ms.

S69. ♀ ov., Mundelar, Up.III, St.30.

S70. ♀ ov., Per. IV, V, VII, Cox. V., St. 30.

S71. ♀ ov., Per. I, II. St.M.30.

Siphonoecetes Kroeyer, 1845

S. dellavallei Stebbing, 1899

- 161 a. Weed over sand, Oldany, 10:8:39.

Siphonoecetes sp.

- 160 a. Atlantide Expedition, Stn. 147, Lat 9°28'N, 14°56'W., 14:4:46, 1420 hrs, shells, forams, st. gear.

DEXAMINIDAE Leach, 1814

Dexamine Leach, 1814

D. spinosa (Montagu, 1813)

- 105 a. In *Laminaria*, 2-7f, Keppel, Clyde, 16:10:40.
b. Tresco, Scilly, *Zostera* bed, 19:9:39.
c. Newtrain, Cornwall, -:1:40.
d. Under stones, Black Rock, Brighton, 14:1:40.
e. Keyhaven, Hants.
f. Salmon nets, Stoer, 15:8:44 (*Dex* spp.)
g. Pools between tide marks, Trepasses.
h. In weed, outer basin, Oldany, 9:8:39.
i. Salmon nets, Raffin, Stoer.
S72. ♀ Keyhaven, Hants, Aug. 1936, CBG.
S73. ♂ Keyhaven, Hants, Aug. 1936, CBG.

D. thea Boeck, 1861

- 106 a. 6f, off Plymouth, 19:4:38.
b. On algae at LWMS, Oldany, -:4:38.
c. Under stones, LWST, Oldany, 15:8:39.
d. Oldany, 7:8:39.
e. Trerone, Cornwall, -:4:40.

Tritaeta Boeck, 1876

T. gibbosa (Bate, 1863)

- 107 a. In *Laminaria* holdfast, Stoer Bay, 17:4:40.
b. Taken in tow net, Sgeir Fada, Stoer, 24:4:41.
c. Asia shoal, 6f, 19:4:38.

Polycheira Haswell, 1880

P. antarctica cf f. *tenuipes* (*P. antarctica* (Stebbing, 1875) = *P. tenuipes* Haswell, 1879, see Chilton 1912)

- S74. Ep. III, Up.I, III, Telson, Stn. M.42a: 4.

S75. Mundelar, Stn.M. 42a: 7.

S76. Per. I, II, III, VII (2) Per V, VII, Stn. M.42a: 7.

EUSIRIDAE Stebbing, 1888

Cleonardo Stebbing, 1883

C. africanus Reid ms.

59b a. Atlantide Stn. 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs, MW 1750, S200.

Eusiropsis Stebbing, 1897

E. riisei Stebbing, 1897

59a a. Atlantide Stn. 27.

Pontogeneia Boeck, 1871

P. gracilicauda Schellenberg, 1931

60a a. M.115 Zone 2, 4:5:49. [Lund]

P. simplex (Dana, 1852)

60 a. No locality.

Pontogeneiidae

undetermined material.

S617. No 1, ♂ Mundelar, St. 9b.

S618. No 1, ♂ Cephalon, Ep. II, III, St. 9b.

S619. No 1, ♀ Per. I, II, St. 9b.

S620. - ♂ Per. I, II, VII, Up. I, III, St. 9b.

S621. No 2, Cephalon, Mundelar, St. 10a.

S622. No 2, Per. I, II, VII, Ep. III, Telson, St. 10a.

GAMMARIDAE Leach, 1814

Carinogammarus Stebbing, 1899

C. roeseli (Gervais, 1835)

103 a. From marsh, nr. Mauer, Germany

b. R. Neckar, nr. Heidelberg, Germany.

c. R. Rhine at Ketsch, 22:6:37.

d. From R. Neckar, nr. Heidelberg, Germany, under stones on the edge of the river, 20:5:37, CBG.

Cheirocratus Norman, 1867

C. sundevalli (Rathke, 1843)

67 a. On weed, outer basin, Oldany, 10:8:39.

- b. Under stones, Keyhaven, -:4:38.

Elasmopus Costa, 1853

E. brasiliensis (Dana, 1853)

- 77 a. Ships, fouling, Aden. WAKW

E. rapax Costa, 1853

- 80 a. *Laminaria* roots, Wembury, 23:3:39.
b. Juv., Newtrain, Cornwall, -:1:40.
c. Shipman Head, Bryher, Scilly, 23:9:38.

E. pocillimanus (Bate, 1862)

- 79 a. West African Fish, Rep. I. DG

E. pectinicus (Bate, 1862)

- 78 a. Atlante Stn. 155, off Bathurst, Gambia, 28:10:45.
Scrapings from bottom of ships and buoys.

Eucrangonyx Stebbing, 1899 (now *Crangonyx* Bate, 1859 see Schellenberg, 1937)

E. gracilis (Smith, 1871) (now *Crangonyx pseudogracilis* Bousfield, 1958)

- 63 a. Found in pond in garden, Harrow, Nov. 1941, DMR.
b. Oxford, 26:3:44.
c. Coe Fen, Cambs., 4:9:48, CBG.
d. Bookham Common, B.
e. Canal, Huddersfield, Yorks, Fryer, 8:7:51.
f. Bookham Common, A.
g. Lee Bridge, Met. Water Board.
S77. Lea Bridge, Gn.II.
S78. Oxford, Up. III, Telson.
S79. Oxford, Gn.II.
S80. Oxford, cast skin.

Gammarellus Herbst, 1793

G. angulosus (Rathke, 1843) (now *G. homari* see Gurjanova 1951)

- 61 a. Stoer, Sutherland.
b. 'BM'
c. Stoer Bay, on brown weed, LWMST, 16:4:39.
S81. Stoer, slide No 9 in collection.

G. homari (Fabricius, 1779)

- 62 a. On shore, Saltdean, Sussex, 14:1:40.
b. No data, BM.

- S82. ♀ Gns. I, II.
 S83. Source unknown.
 S84. Source unknown.

Gammarus Fabricius, 1775

G. chevreuxi Sexton, 1913

- 82 a. Tameton Creek, Plymouth, 20:4:38.
 b. Tameton Creek, Plymouth, 27:11:37.
 S85. Tameton Creek, OA.
 S86. Per. V, VI. OA.

G. delebequei Chevreux & de Guerne, 1892 (now *G. pulex* Linné, 1758 see Schellenberg, 1937a)

- 83 a. Tributary of the R. Ache, Kossenthal, Tirol, Austria, -:5:37.
 b. R. Biddersbach nr. Weisenbach, Heidelberg.
 204 a. Rivers of Germany nr. Heidelberg 1937. Mixed lot of *G. pulex* and *duebeni*.
 b. Amphipoda from the R. Steinach above Schoonau, nr. Heidelberg, Germany. CBG. 5:6:37 in vegetation and under stones in a fairly small, clear and fast flowing stream.
 c. Amphipoda from tributaries of the R. Ache in the Kossenthal, Tirol, Austria, under stones etc. in small, clear streams. CBG. 9:6:37.
 S87. Clapdale Bk., May, 1935.

G. duebeni Liljeborg, 1851

- 84 Jar 1 a. I.O.M. Scarlett Point, fresh water.
 b. Chelson, Plymouth, 5:1:38.
 c. Keyhaven, Hants, -:4:36.
 d. On shore, nr. small brook, Steninge, Sweden, 19:1:38.
 e. From HWM, Orkney, 24:4:43, see Bowers
 f. From LTM, Orkney, 24:4:43, see Bowers.
 g. Marsh, Oldany, 1:1:39.
 h. Pozeret, fresh water stream.
 i. Fresh water, Orkney, 24:4:43. See AB Bowers letter.
 j. Spaldrick, brackish pools.
 k. Burton Marsh, see McMillan, 12:10:42.
 84 Jar 2 a. R. Bann, Port Stewart, 26:1:36.
 b. Brackish drain, Kinnegar, Co. Down, 1937, pH 8.0.
 c. About 3 miles, N of Belfast, Co. Antrim, pH 7.1.
 d. Spring at old quarry, Carehill.
 84a a. Dunkillin, R., tributary, June 1938, *Gammarus*, pH 8.2.

- b. R. Mattock, tributary of R. Boyne, April 1937, *Gammarus*.
- c. L. Derg, Shannon, 20:5:38, *Gammarus* (1), pH 8.0.
- d. June 1938, Clare, Galway R., *Gammarus*, pH 8.3.
- e. 18:6:38, Irelands Eye, seashore, *Gammarus*.
- f. 18:3:29, Straffan, R. Liffey, main river, *Gammarus*.
- g. L. Magrathmore, Donegal, 18:4:38, pH 6.5.
- h. L. Ea, Donegal, 18:4:38, *Gammarus*, pH 6.1.
- i. 18:12:32, R. Dodder, *Gammarus*.
- j. 26:6:38, R. Liffey, Staffan, *Gammarus*.
- k. 12:5:38, R. Liffey, Staffan, (Broken telson in bottle belongs to large specimen) is this *G.pulex*? WEF
- l. 21:6:38, L. Sheelin, pH 8.0
- 84b a. Tiny drain up on top of a cliff, Irelands Eye, *Gammarus* 18:6:38, WEF.
- b. R. Owenea, Stracashel branch, at trap, 11:12:29, *Gammarus*.
- c. June 1937, Inverewe, from stream below limit of tide, *G.duebeni*.
- d. Sept. 1937, Athboy R., tributary of Boyne, pH 7.8, *Gammarus*.
- e. June 1937, Inverewe, L. na Ardebeigh.
- f. June 1937, Inverewe, 'Loch under the mountain'.
[NB: this tube appears to contain spirit only.]
- g. Not quite *G.pulex*, Amphipoda from the R. Rhine at Ketsch, 10 m. N. of Mannheim, Germany, in grass and sedge at the edge of the river 24?:6:37, CBG.
- S88. Spec., ♀ from experiment A., 12:11:38, ovary from spec. which had been living in fresh water.
- S89. Spec. ♂ from experiment A., 12:11:38, testes brackish water spec. living in fresh water, showing spermatozoa.
- S90. 29:6:44, Legs, V, VI, VII.
- S91. 29:6:44, Legs, III, IV.
- S92. No 7, ♂ Stoer, Gn. 1, II, Per. V, VII (broken).
- S93. ♂ spines of telson, Up.III, Urosome to show attachment.
- S94. From L. Shure, Arranmore, Ireland, pH.4.8, 3rd Ep. plate not strongly polarising. Crystals v. large.
- S95. (a) from Oldany.
(b) from Cheshire tube B.
(c) odd. from tube A.
- S96. ♂ Keyhaven, Hants, April 1936, CBG.
- S97. ♀ Keyhaven, Hants, April 1936, CBG.
- S98. ♂ 12:10:42.
- S99. ♀ 12:1:41.
- S.100. ♀ 12:1:41.
- S101. ♂ Oldany, 1:1:39.
- S102. ♂ Ant. (1).
- S103. ♂ Gn., (1).
- S104. Plymouth.
- S105. ♂ 20 mm, from stony beach near mouth of the R. Weaver, Cheshire, N.Men., 29:6:44, Gn.I, II.
- S106. ♂ Ant. II, type.

S107. ♂ Gn. II (propode L.4:B:2.)
(propode L.4:B:2½.)

G. fasciatus Say, 1818

- 85 a. US.NAT.MUS.(Smithsonian). Tidepools, Delaware R., N. of Riberton,
Burling Co., N.I., Hubricht Coll., 147529.

G. finmarchicus Dahl, 1938 (now *Marinogammarus finmarchicus* (Dahl, 1938) see Sexton
& Spooner, 1940)

- 86 a. In rock crack, ½ tide, Oldany, 7:8:39.
b. Pools at HW, Spaldrick.

G. fossarum (Koch, 1835)

S108. Up.III (1).

S109. Up.III (2).

G. lacustris (Sars, 1863)

- 87 a. Assynt, 29:4:39.
b. Perthshire, 27:8:49.
c. L. Dubh, (6.6), 19:4:42.
d. L. Sgeirach, Stoer, 28:4:44.
e. ♂ + ♀ Stoer, Sutherland, 1940.
f. L? Strebster, Caithness, between Thurso and Wick, v. alkaline.
g. Inverewe, W. Ross, Aug. 1940, RES.

G. locusta (Linné, 1758)

- 88 a. From brackish ditch Keyhaven, Hants, 16:6:38.
b. On *Laminaria*, 2-3f, Portencross, Clyde, 5:11:40.
c. Saltdean, Sussex, 5:1:40.
d. On weed, Oldany, 7:8:39.
e. On *Fucus*, Salston, Salcombe.
f. Salmon floats, Stoer, -:8:37.
g. New Grimsby Sound, Bryher, Scilly, 22:9:38.
S110. ♀ Keyhaven, Hants, April 1936, CBG.
S111. ♂ Keyhaven, Hants, April 1936, CBG.
S112. Slide No. 20 in collection, no other data.
S113. No. 3, ♀ Stoer, Gn. I, II, Per. V, VII.
S114. No. 4, ♂ Stoer, Gn. I, II, Per. V, VII.
S115. No. 5, ♀ Stoer, Gn. I, II, Per. V, VII.
S116. No. 6, ♂ Stoer, Gn. I, II, Per. V, VII.
S117. - , ♂ Stoer, Up. III.
S118. No. 8, ♂ Stoer, Gn. I, II, Per. V, VII.
S119. No. 9, ♂ Stoer, Gn. I, II, Per. V, VII.
S120. ♂ No. 2, Stoer, Gn. I, II.
S121. ♂ No. 2, Stoer, Per. V, VII.
S122. ♂ Plymouth, Head, No. X.

- S123. ♂ Plymouth, Per. VII, No. X.
 S124. ♂ Plymouth, Gn. II, No. X.
 S125. ♂ Plymouth, Per. V, No. X.
 S126. Plymouth, ♂ Gn. I, No. X.
 S127. ♂ Stoer, Gn. II.
 S128. ♂ Per VII, Stoer.
 S129. ♂ Stoer Bay, Us.
 S130. ♂ Keyhaven, Hants, April 1936, CBG.
 S131. ♀ Keyhaven, Hants, April 1936, CBG.
 S132. ♀ index No. 3, Keyhaven, Hants, Aug. 1936, CBG.
 S133. ♂ from mud, Oldany, Per V.
 S134. ♂ from mud, Oldany, Per VII.
 S135. ♂ from mud, Oldany, Head.
 S136. ♂ from sand, Oldany, Gn. II.
 S137. ♂ from mud, Oldany, Us.
 S138. ♂ from mud, Oldany, Gn. II.
 S139. ♂ Plymouth, No. XI.
 S140. ♂ Plymouth, No. XII.
 S141. ♂ Plymouth, No. XIII.
 S142. ♂ Plymouth, No. 6, Per IV, V, VII.
 S143. ♂ Plymouth, No. 6, Eps. I-III.
 S144. ♂ Plymouth, No. 6, Head.
 S145. ♂ Plymouth, No. 6, Up. III, Telson.
 S146. ♂ Plymouth, No. 6, Gn. I, II.

G. marinus (Leach, 1815) (now *Marinogammarus marinus* (Leach, 1815) see Sexton & Spooner, 1940)

- 89 a. Under stones, LWMST, Traghad, Stoer, -:4:38.
 b. In weed on salmon net (removed from jar 9, ASC, -:12:60).
 c. Under stones in deep mud, Oldany.
 d. Under stones and in pools, Stoer Bay.
 e. Seamills, Cornwall, -:4:40, (VC or FC).
 f. Plymouth
 g. In *Ascophyllum*, Oldany, 8:8:39.
 h. LT Pool, Trepasses.
- 203 a. Under stones, Stoer Bay, Nr. LWM, 4:9:37.

G. minus (Sars, 1818)

- 90 a. From a brook, 1 mile west of Lancaster, Penns., 10:1:36, John W. Price, Collector. US.NAT.MUS. (Smithsonian) 137383.

G. obtusatus Dahl, 1938 (now *Marinogammarus obtusatus* (Dahl, 1938) see Sexton & Spooner, 1940)

- 91 a. Stoer Bay, 2:1:39.
 b. In crack in rock, ½ TM, Oldany, 3:8:39.
 c. Trerone, Cornwall, -:4:40.

- d. Dredge, 6f, Plymouth Sound, 19:4:38.
 - e. Similar spec., K.S./Bryher, Scilly, Gripman Head, under stones, LWNT, CBG, 29:3:38.
 - f. In pool, Stoer Bay, -:4:36.
 - g. Saltdean, Sussex, 5:1:40.
 - h. Under stones, at LWMST, Traghad, Stoer, -:4:38.
 - i. ½ HWM, at Rispond.
 - j. Under stones on coarse sand, ½ TM, Sgeir Fada, Stoer, 5:1:38.
 - k. Bryher, Scilly, New Grimsby Sound, under stones ½ T., 21:9:38.
- S147. Slide No. 16 in collection, 3 spec., Wembury, OA.
 S148. Slide No. 18 in collection, Ep. III, OA.

G.ochlos Reid, 1945 (now *G. zaddachi* Sexton, 1912 see Segerstrale, 1947)

- 92 a. Loch Stenness, Boat Slip, 21:7:36.
- b. [Tube contains 3 specimens but no data].
[see also *G. sarsi* Reid, 1943].

G.olivii (Milne-Edwards, 1830) (now *Marinogammarus olivii* (Milne-Edwards, 1830) see Sexton & Spooner, 1940)

- 93 a. S. W. France.
- S149. *Gammarus* 100, Hants, freshwater, ♂ Gn. I, II.
 S150. " " " ♂ Eps. I, II, III.
 S151. " " " ♂ Per III.
 S152. " ♂ Urosome, Up. III.
 S153. " freshwater, young from ♀ 7 in cell.
 S154. " " ♀ Gn. I, II.
 S155. " " Epist. and Pal. lip. ½ of each.
 S156. " " Hants., ♂ Man, Maxp.
 S157. " Hants, freshwater, ♂ Ant. II.
 S158. " " " ♂ Per. IV, V.
 S159. " " " ♂ Per. VII
 S160. " " " ♂ Head
 S161. " " " ♂ Gn. I, II.
 S162. " Keyhaven, freshwater, Up. III. Telson.

G.pirloti (Sexton & Spooner, 1940) (now *Marinogammarus pirloti* Sexton & Spooner, 1940)

- 94 a. Wembury, Plymouth, -:4:49.
- b. Stoer Bay, 16:4:39, det G. M. Spooner, '*G. lapidarius*'.
- c. Reiff, -:4:52, coll. by E. Dahl.
- d. Under stones, Stoer Bay, 16:4:39, det. G. Spooner, 20:6:39.

G.pulex (Linné, 1758)

- 96 Jar 1 a. Spec. from 4 Yorkshire streams, coll. by H. Whitehead.
- b. From petrifying well, Cheshire, 6:4:43.
- c. Poolewe, 16:4:43.
- d. Char, Windermere, 5:5:45.
- e. Pothole, Bagshaw Cavern, Derbyshire, 18:7:48.

- f. Leys Castle spring, Inverness, 1:8:42
 - g. Stoke-on-Trent, 26:9:48.
 - h. Spring, Rothiemurchus, pH 6.0, 8:11:42.
 - i. R. Windrush, Gloucester.
 - j. Lower Loch, Leys Castle, Inverness.
- 96 Jar 2
- a. Windermere, 60m, found in expt. funnel left down, 4:10:41.
 - b. From stream, Auchenskeoch, Dalbeattie, Dumfr., 30:7:41.
 - c. Silverburn, I. of Man.
 - d. In trawl from mud, 40m., Windermere, 21:8:41.
 - e. From experiments, fresh water, 26:6:38.
 - f. Small stream, Burton Marsh, Cheshire, 9:11:41.
 - g. Frensham, Surrey.
 - h. From marsh nr. Mauer, Heidelberg.
 - i. R. Eising, nr. Mauer, Heidelberg.
 - j. From stream, golf course, Harrow, 9:2:38.
 - k. R. Rhine at Ketsh, 22:6:37.
 - l. Howtown, Westmorland.
 - m. Stream, Polegate, Eastbourne.
- 202
- a. Loch at Leys Castle, Inverness, 2:1:38.
 - b. Taken from R. Eisenz nr. Heidelberg, Germany 27:8:39 [?] CBG.
- S173. Head.
 - S174. Head.
 - S175. v.s. Head of *G. pulex*, Ant. I.
 - S176. v.s. Head of *G. pulex* III.
 - S177. ♂ small var., Ant. II, Gn. I, II, Per. III, Up. III.
 - S178. ♂ Ant. II, Gn. I, II, Per. III, Up. III.
 - S179. ♂ Keyhaven, Hants, April 1936, CBG
 - S180. Probably *G. pulex* from stomach of Char. Windermere, c. (72) (45) slide No. 6 in collection.
 - S181. ♂ Gn. II, L. Lomond.
 - S182. Leg, from Rothiemurchus, see Gardiner's letter 15:10:42.
 - S183. ♂ Gn. II, Northwood.
 - S184. Harrow, OA.
 - S185. Yorks, OA.
 - S186. ♂ Gn. II, Leeds.
 - S187. Inverness, OA.
 - S188. ♀ B. Time of moulting 27:6:40.
 - S189. E, very young spec., 1st moult, 5:7:40.
 - S190. C, 5 mins. after moulting, 27:6:40.
 - S191. Ant. I, *G. pulex*, less hairy than *G. duebeni*.
 - S192. Ant. II, *G. pulex*, less hairy than *G. duebeni*.
 - S.193. Per V, *G. pulex*, less hairy than *G. duebeni*.
 - S194. Up. III, *G. pulex*, less hairy and shorter than *G. duebeni*.
 - S195. Mesosome segments showing crystals.

- S196. ♀ Gns.
S197. ♂ Ant. II, type.

G. pulex fossarum (Koch, 1835) (now *Gammarus fossarum* (Koch, 1835) see Straskraba, 1962)

- 96a a. Nr. Saxel, Voiron Haute, Savoie, France, -:7:53.

G. pulex germanica Reid ms.?

- S198. Per. III, V, VII, see uncertain forms.
S199. ♂ Gn., I, II.
S200. ♂ telson.

G. pulexoides Reid ms.?

- 97 a. Gutter A, Burton Marsh, 9:11:41.
b. *Gammarus duebeni* from freshwater trickle, well above HWM, nr. Fort, Stoer, Jan. 1941.
c. Burton Marsh, Cheshire, 12:1:41.
d. *G. pulexoides*, Cheshire, 15:6:42, top gutter.
e. Prof. Pirlet's specs. (Belgian specs.) see note book.
f. Cheshire, Gutter A, 15:6:42.
g. In freshwater trickle from spring nr. Sgeir Fada, Stoer Bay, 24:8:41.
S201. ♂ Head.
S202. ♂ Ant. (1).
S203. ♂ Gn. I, II, Per. III, IV.
S204. ♂ Per. V, VI, VII.
S205. ♂ Up. III.
S206. ♂ Ep. II, III, Urosome, Telson, Up. I, II.

G. pungens (Milne-Edwards, 1840)

- 98 1. Algiers.

G. sarsi Reid, 1943 (= *G. ochlos* Reid, 1945 now *G. zaddachi* Sexton, 1912 see Segerstrale, 1947)

- S207. ♂ Head.
S208. ♂ Mouthparts.
S209. ♂ Gn., I, II.
S210. ♂ Per. IV, V, VI + sideplates.
S211. ♂ Per. VII.
S212. ♂ Urosome, Ep. 1-3, Pleopods.
S213. ♂ Up. III, Telson.
S214. ♀ Gn. I, II.
S215. ♀ Per. III, + Broodplate.

G. tigrinus Sexton, 1939

- 100 a. Witten Flash, 21:7:40.
b. Droitwich, 22:8:38.

- c. Burton Marsh at bridge, nr. HWM, 16:3:41.
- d. Sluggish draining creek, Frodsham Marsh, Cheshire, 29:6:44.
- e. Lough Neagh, 19:11:34, Elmhirst.
- S216. ♂ Gn. I, II.
- S217. ♂ Legs. II, IV, V.
- S218. ♂ Legs. VI, VII.
- S219. ♂ Leg VII.
- S220. ♂ Urosome.
- S221. ♂ ?, Up. III.

G. wilkitzkii Birula, 1897

- 101 a. E. Greenland, 65½°N, 33°W det., K. Stephenson.

G. zaddachi Sexton, 1912

- 102 a. Oldany Links, -:4:37.
- b. Burton Marsh, see McMillan, 2:10:42.
- c. Brackish stream at Pylewell, Hants, 30:6:40.
- d. In dead leaves, R. Afon water by bridge, 4:4:40. CBG.
- e. Gutter A, Burton Marsh, 9:11:41 (63).
- f. Wheatfen Broad, 10:9:42.
- g. 5:5:46.
- h. Keyhaven, Hants.
- i. Freshwater, Silverburn, I. of Man.
- S222. ♀ Keyhaven, Hants, July 1936, CBG.
- S223. ♂ Keyhaven, Hants, July 1936, CBG.

Gammarus sp.

- 199 a. Windermere, April 40, 52.6 m, 172, Mud.
- b. *Gammarus* from 54 m, Windermere, Cove Ho., 17:11:39. Taken when mud sampling W.E.F.
- c. *Gammarus* from Windermere at 54 m on mud, 18:7:39.
- 200 a. On R. Biddersbach nr. Wiesenbach, Heidelberg, Germany, under stones etc., in a narrow and fast flowing stream, 27:5:37, CBG.
- 201 a. Stream running into L. Vattern (east side), Sweden, Aug. 9, 1939.
- b. L. Takern, Sweden, Aug. 39, v. shallow calcareous lake 2 m. deep.
- S224. Orkney.
- S225. Orkney.
- S226. Orkney.
- S227. Orkney.
- S228. HWM, Orkney, 24:4:43, (A.B. Bowers).
- S229. L. tide, Orkney, 24:4:43, see A.B. Bowers' letter.
- S230. Freshwater, Orkney, 24:4:43, (A.B. Bowers).
- S231. Palmar spines, Gn. I, ♂
- S232. ♀ Gn. II, B.Mus. specimen.
- S233. Small *Gammarus*, Gnatham Creek, 30:8:40, ♂ moulted + ♀ 's.

- S234. L. Neagh, ♂ Mouthparts, Ep. pl.
 S235. L. Neagh, ♂ Ant. I, II, Gn. I, II.
 S236. L. Neagh, ♂ Legs. III, VII, Up. III, Telson.
 S237. L. Neagh. ♂ Legs, IV, V.

Maera Leach, 1814

M. ascensionis Barnard, 1932

- 74 a. Atlantide Stn. 153.

M. grossimana (Montagu, 1808)

- 75 a. Wembury, 17:4:28.
 b. Scilly, Bryher, 22:9:38.

S238. Gn. II from various loc. 44-1, 153-2, Scilly Is.

M. hirondellei Chevreux, 1900

- 76 a. Atlantide Stn. 147, 9°28'N, 14°56'W, 14:4:46. shells, forams.
 Agassiz trawl.

M. inaequipes (Costa, 1851)

S239. Stn. 40, ♂ Gn. I, II, Leg. III, VII, Up. III.

M. othonis Milne-Edwards, 1830

- S240. ♂ Queens Ground, Plymouth, April 1936, CBG.
 S241. -, Plymouth, 1936, CBG. Head.
 S242. Plymouth, 1936, CBG. Mouthparts.
 S243. Plymouth, 1936, CBG. Gn. I, II.
 S244. Plymouth, 1936, CBG, Per. I, II, III.
 S245. Plymouth, 1936, CBG, Per. IV, V.
 S246. Plymouth, 1936, CBG, Up. III, Telson.

M. simplex Reid, 1951

SYNTYPE

S247. ♂ 146-5a, Gn. II, Leg. VI.

Marinogammarus Sexton & Spooner, 1940

M. stoerensis Reid, 1938

*SYNTYPES

- *99 a. Under stones, LWM, Stoer Bay, -:4:37 (54).
 b. Under stones in pool, Stoer, -:4:36.
 99a a. Wembury, 23:3:39 (45).
 b. Under stones on sand, Sgier Fada, Stoer, -:1:39.

Melita Leach, 1814

M. fresnelli (Audouin, 1826)

- 68 a. Ships fouling, Aden, WAKW.
b. Atlantide Stn. 145, 9°20'N, 14°15'W, 13:4:46, 7.45, 10.10 hrs., shells, forams. Agassiz, Otter Trawl, 32 metres.

FIGURED SLIDE

- S248. Stn. 145, Leg. VII, ♀ (larger); Leg. VII, ♂ (smaller). [see Reid, 1951, fig. 37]

M. gladiosa Bate, 1862

- 69 a. On submerged wood, Salcombe, -:4:39.
b. Asia shoal, 27:3:39.

M. hergensis Reid, 1939.

*SYNTYPES

- *70 a. Wembury Bay, *F. serratus*, 17:4:38.
b. Wembury Bay, 17:4:38.
c. Keyhaven, Hants.
70a a. *Melita hergensis*, note, claw passes palm, Skokholm, (Mrs. A. Davis).
b. Tresco Flats, Scilly, LWST, 24:9:38.
c. Newtrain, Cornwall, -:1:40.

SYNTYPES

- S249. Sp. n. ♀ Head.
S250. Sp. n. ♀ Mouthparts.
S251. Sp. n. ♀ Gn. I, II.
S252. Sp. n., ♀ Per. VI.
S253. Sp. n. ♀ Per. VII.
S254. Sp. n. ♀ Urosome, Metasome.
S255. Sp. n. ♀ Up. III, Telson.
S256. *Melita* sp., ♂ Head, Max. I, II, Post Lip.
S257. *Melita* sp., ♂ Maxp.
S258. *Melita* sp., Max. I, II, ♂
S259. *Melita* sp., ♂ Ant. Lip, Mand.
S260. *Melita* sp., ♂ Post Lip.
S261. *Melita* sp., ♂ Gn., I, II.
S262. *Melita* sp., ♂ Metas.
S263. *Melita* sp., ♂ Body.
S264. *Melita* sp., ♂ Per. VI.
S265. *Melita* sp., ♂ Per. VII.
S266. *Melita* sp., ♂ Ep. III.
S267. *Melita* sp., ♂ Urosome.
S268. *Melita* sp., ♂ Up. III.
S269. *Melita* sp., ♂ Telson.
S270. *Melita hergensis*, prep. of Per. II, no other data.

M. obtusata (Montagu, 1813)

- 71 a. Tresco Flats, Scilly, on *Tealia*, 24:9:38.
b. South Channel, Oldany, 10:8:39.
c. On pontoon, Millbay, Plymouth, 16:4:38.
d. On *Laminaria* 2-7f, Portencross, Ayrshire, 25:11:40.

M. palmata (Montagu, 1804)

- 72 a. Keyhaven, Hants, 5:4:36.
b. From brackish ditch, Keyhaven, Hants, 16:6:38.
c. Stoer Bay, 26:8:42.
d. Juv., from Saltdean, Sussex, 5:1:40.
e. Juv. males from Catwater.
f. Wembury Bay, Plymouth, low tide zone, 17:4:38.
S271. No data.
S272. ♀ Keyhaven, Hants, April 1936, CBG.

M. pellucida Sars, 1882

- 73 a. R. Afon water, Hants., 4:4:40.
b. In ditch at end of double *Phragmitetum* in dead *Phragmitetum* [sic] roots, 31:8:39, CBG. [also with label 'G. zaddachi'].

Melita sp.

- S273. ♀ Mundelar, Mp. I, Mp. III, T., Stn. M.7a.
S274. ♀ Per. I, II, VII, Ep. III, Stn. M.7a.
S275. ♀ Cephalon, Urosome, Stn. M.7a.

Niphargus Schioedte, 1849.

N. aquilex Schioedte, 1855.

- 64 a. Well, Kings Somborne, Hants., Oct. 1945.
b. From culvert, Clerkenwell, London.
c. Well, I. of M. (TRRS).
S276. (2) From Clerkenwell.
S277. (2) Gn. I.
S278. (2) Gn. II.

N. fontanus Bate, 1859

- 65 a. Kitchen well, Trabbs, Lambourn, 2:1:45.
b. 1936. [No data other than, 2.8.1-5.]
c. Eastbury, Berks. (Peake), 12:5:44.
d. Winkwell, Hemel Hempstead, 21:10:47.
e. Trabbs, 10:10:43. *N. aquilex schellenbergi*.
f. 27:6:34, no locality.
S279. Trabbs, Lambourn, Max. I, with 2 bristles on internal lobe cf. Schellenberg.

S280. *N. fontanus*? B.M., 1936.28.15, Mxp.

S281. " " " " Max. I.

N. kochianus Bate, 1859

- 66 a. Gallops Well, nr. Lambourn, 4:1:45.
b. June and August 1935, no loc.
c. Kings Somborne, Hants, 10:5:45.
d. No location, 27:6:34.
e. From Lambourn, Berks, 1:1:44.
f. Kitchen well, Trabbs, Lambourn, 2:1:45.
- S282. Gn. II.
S283. Trabbs.
S284. Trabbs.
S285. Trabbs, Mouthparts.
S286. Trabbs, Mouthparts.
S287. Trabbs, Mandible.
S288. Gn. I, II, Trabbs.
S289. Per. III, IV, VI, VII.
S290. Trabbs, Ep. I, II, III.
S291. Trabbs, Urosome.
S292. Trabbs, Telson, no dorsal spines.

Pectenogammarus Reid, 1940

P. planicrurus Reid, 1940

*SYNTYPES

- *95 a. Saltdean, 1:7:40.
b. 109, under stones on chalk, 17:1:40. Saltdean.
c. Under stones on chalk, 17:1:40, Saltdean.
- 95a a. From nights townettings, Aberystwyth, June 1939.
b. Intertidal under chalk boulders, Worthing, -:2:40.
c. In dam, Leamington, Hants, 21:6:40.
d. No data.
- * S163. ♂ Head, Saltdean.
* S164. ♂ Mouthparts, Saltdean.
* S165. ♂ Gn. I, II, Saltdean.
* S166. ♂ Ep. pl. I-III, Saltdean.
* S167. ♂ Per. III, IV, V, Saltdean.
* S168. ♂ Per. VI, VII, Saltdean.
* S169. ♂ Urosome, Saltdean.
* S170. ♂ Up. III, Telson, Saltdean.
* S171. ♀ Gn. I, II, Per VII, (ov.6) Saltdean.
* S172. No other data than OA.

Pherusa Leach, 1814 (now *Gammarella* Bate, 1857 see Barnard, 1969)

P. fucicola Leach, 1814

- 81 a. Below large stone, below LWST, Tresco Flats, I. of Scilly, 24:9:38.
b. Rumbay, 18:4:43.

Gammaridae

undetermined material.

205. a. R. Eisenz, Nr. Mauer, Heidelberg, 27:5:37.
b. Under stones, Stoer B., 9:4:39.
c. U.S. St. B., 16:4:39.
d. LWST? St. B., 18:4:39.
e. Hoyle, 7:4:38, G.H.L.
- 206 a. 5:5:39 pH 7.0, tiny stream, alongside road, just outside gates of Inveresk Ho., Poolewe, Ross. A.C.G.
b. 30:4:39. Drumness nr. Auchterarder, Perthshire. A.C.G.
c. [Label partly erased, probably - R. Eisenz, Nr. Mauer, Heidelberg, Germany. CBG. 27:8:37.]
d. Esthwaite stream, 17:4:39.

HAUSTORIIDAE Sars, 1882

Bathyporeia Lindstrom, 1855

B. guilliamsoniana (Bate, 1857)

- a. Hurst Castle, Keyhaven, Hants.
b. In sand, outer basin, Oldany, 3:8:39.
S293. ♀ Keyhaven, Hants., Aug. 1936, CBG.

B. pilosa Lindstrom, 1855

- 23 a. No data.

B. pelagica (Bate, 1857)

- 22 a. Cawsand Bay, 24:3:39.
b. On fine sand, Bryher, Scilly.

B. robertsoni Bate, 1862

- 24 a. Clyde
b. In clean sand, LWNT, Keyhaven, Hants., -:4:38.

Haustorius Muller, 1775

H. arenarius (Slabber, 1769)

- 25 a. In sand, Ardwall Is., Wigtown Bay, Dumfriesshire, 1939.

Urothoe Dana, 1852

U. brevicornis Bate, 1862

- 26 a. Salcombe, 22:3:39.
b. Hurst, Keyhaven, Hants. In sand, 4:38.

U. elegans Bate, 1857

- 27 a. On clean sand, LWST, Oldany, 15:8:39.
b. Dredged S. Channel, Oldany, 10:8:39.
c. In weed, outer basin, Oldany, 7:8:39.

U. falcata Schellenberg, 1931

S294. ♀ M.16e. [Lund].

U. grimaldi Chevreux, 1895

- 28 a. Atlantide Stn. 150, 10°22'N, 16°34'W, 15:4:46, 20.00 hrs. S100.

U. leone Reid, 1951

HOLOTYPE AND FIGURED SLIDE

- S295. N.sp., ♀, 52-3, Gn. I, Legs. VI, VII. [Atlantide].
S296. N.sp., ♀, 52-3, Gn. II, Legs. III, IV, V. [Atlantide].
[see Reid 1951, fig. 21].

U. marina (Bate, 1857)

- 29 a. In sand, outer basin, Oldany, 3:8:39.
b. On fine sand, Great Crab Ledge, Bryher, Scilly, 21:9:38.
c. Clyde.

U. pulchella (Costa, 1853)

- 30 a. Tresco Flats, Scilly, 25:9:38.

Urothoe sp.

- 196 a. Loc. unknown, from plankton coll. in Cambs. Zool. Lab.

HYALIDAE Bulycheva, 1957

Allorchestes Dana, 1849

Allorchestes sp.

- S297. ♂ Stoer, 22:4:47, Head, Mouthparts, Gn. I.
S298. ♂ Stoer, 22:4:47, Body.
S299. ♂ Stoer, 22:4:47, Ep. III.

Hyale Rathke, 1837

H. grandicornis (Kroeyer, 1845)

- S300. H., ?, *grandicornis*, ♀ Per. I, II, VI, M.6d.
S301. H., ?, *grandicornis*, ♂ Per. VII, V.122.
S302. H., ?, *grandicornis*, ♂ Per. I, II, VI, Up. I, III, V.122.

H. grimaldi Chevreux, 1891

- S303. H. ?, *grimaldi*, Gn. I, II, Legs, VI, VII, Stoer.

H. hirtipalma (Dana, 1852)

- S304. H. cf *hirtipalma*, ♂ Mundelar, St. 11b.
S305. " " " ♀ Cephalon, Per. I, II, Stn. 11b.
S306. " " " ♂ Cephalon, Per. I, II, St. 11b.
S307. " " " ♂ Per. VII, Up. I, II, III, Ep. III St. 11b.

H. media (Dana, 1853 55)

- 117 a. Smithsonian U.S. Nat. Mus., Toringa Is., Venezuela, 13:4:39. 152/360.
b. As above.
c. Point o'rocks, Sarsota Key, Florida, 9:11:44, 167697.
S310. ♀ USA, Broodplate.

H. nilssoni (Rathke, 1843)

- 118 a. Under stones on mud, Oldany, -:4:38.
b. Keyhaven, Hants.
c. On *Fucus* below Dun, Stoer Bay, ½ TM., 11:1:39.
d. Seamills, Cornwall, -:1:40.
e. Plymouth, 5:4:37.
f. Saltdean, Sussex, 1:7:40, spec. with no spines on propode of Per. 7.
g. ½ tide, rock pool, Hells Bay, Scilly, 23:9:38.
h. Plymouth.
i. Stoer, (153).
j. Top F.Z., *H. nilssoni*, 22:4:47.
k. On *Laminaria* holdfast, S. Channel, Oldany, 14:8:39.
l. From *Fucus*, Stoer, 8:1:38.
m. On *Pelvetia*, Stoer, 22:4:47
n. Plymouth, (153).
o. Keyhaven, Hants. (153).
S311. No data.
S312. No data.
S313. ♂ Plymouth, Devon, April 1936, CBG.
S314. ♀ Plymouth, Devon, April 1936, CBG.
S315. Gn. I, II, Legs. VI, VII, Plymouth.
S316. ♂ Mxp. of small spec., *Fucus*, Stoer, 22:4:47..
S317. ♂ Gn. I, small spec., on *Fucus*, Stoer, 8:1:38.
S318. ♂ Gn. II, small spec., on *Fucus*, Stoer, 8:1:38.
S319. ♂ Gn. II, last leg as described C. & F.

- S320. ♀ Stoer, Broodplate.
 S321. ♂ Gn. I, II, 8:1:38.
 S322. ♂ Leg. I, II, V, Stoer, 8:1:38.
 S323. Telson, Up. III, 8:1:38.
 S324. ♀ small, Gn. I, II.
 S325. ♂ small, Gn. II, last leg, Up. III.
 S326. ♂ Gn. II.
 S327. ♂ Up. III.

H. perieri (Lucas, 1849)

- 119 a. Skokholm, 14:10:55.
 b. Newtrain, Cornwall, -:1:40.
 c. Rock pools, Madeira.

H. pontica Rathke, 1837

- 120 a. Plymouth.
 b. 22:4:47.
 c. On weed, Traghad, Stoer.
 d. 21:4:49.
 e. 23:8:42.
 f. On red Algae, LWST, Sgeir Fada, 20:8:40.
 g. On weed, Traghad, Stoer, -:4:38.
 S328. ♂ Head.
 S329. ♂ Gn. I, II, last leg, Ups.
 S330. ♂ Gn. I.
 S331. ♀ Gn. I, II.
 S332. ♂ Telson cleft to base, the cleft Telson and seg V, of Gn. II, produced between IV and VI makes this *Allorchestes*.
 S333. Keyhaven.
 S334. ♀ Plymouth, NB, Broodplates.
 S335. ♂ Head.
 S336. ♂ Legs IV, V.
 S337. ♂ Up. III, Telson.

H. ramalhoi Reid, 1939

SYNTYPES

- 121 a. Rock Pools, Madeira, Aug. 1938
 S338. Ant. ♂
 S339. Maxp.
 S340. ♂ Ant. and Post. Lips.
 S341. ♂ Gn. I, II.
 S342. ♂ Gn. II, parts of Urosome.
 S343. ♂ Body.
 S344. ♂ Per. V, VII.
 S345. ♂ Urosome.

- S346. ♀ Gn. I.
 S347. ♀ Gn. II.
 S348. ♀ entire cast skin.
 S349. ♂ Juv., Gn. II.

H. schmidti (Heller, 1866)

- 122 a. W. African Fish, Rep. 1955.

H. spinidactyla Chevreux, 1925

FIGURED SLIDE

- S350. 166-1b. [Atlantide].
 [see Reid 1951, fig. 39b, c]

H. wolffi Reid, 1951

SYNTYPE

- S351. N. sp. 166-1a, Gn. II, Ant. II. [Atlantide].

Hyale sp.

- S352. ♂ Keyhaven, Hants, April 1936, CBG.
 S353. ♀ Keyhaven, Hants, April 1936, CBG.
 S354. ♂ V.122, Per. I, II, VII, Ups. 1-3.

ISAEIDAE Dana

Isaea Milne-Edwards, 1830

I. elmhirsti Patience, 1909

- 138 a. From a lobster, Oldany, 11:1:38.

I. montagui Milne-Edwards, 1830

- 139 a. On mouth of *Maia squinado*, Plymouth Aq. Tanks, 18:4:38.
 b. Trawled, Plymouth, 24:3:39.

Microtopus Norman, 1867

M. maculatus Norman, 1867

- 129 a. On sand, outer basin, Oldany, 10:8:34.
 b. Keyhaven, Hants.
 S559. *Microtopus* [sic] *maculatus*. ♂ Keyhaven, Hants, Aug. 1936, CBG.

Photis Kroeyer, 1842

P. longicaudata (Bate & Westwood, 1862)

- 129a a. Atlantide Stn. 145, 9°20'N, 14°15'W, 13:4:46, 7.45 hrs., shells, forams.
 Agassiz, Otter trawl.

Podoceropsis Boeck, 1861

P. nitida (Stimpson, 1853)

- 135 a. Dredged by Salpa, Plymouth, 20:4:38.

P. sophiae Boeck, 1861

- 134 a. Atlantide Stn. 153, 10°49'N, 16°39'W, shells, forams. [data in Rep. differs.]
b. Dredged by 'Salpa', 20:4:38.
S560. 153, 17 ♂ Gn. I, II, Legs V, VII. [Atlantide].
S561. 153, 17, ♀ Gn. II. [Atlantide].
S562. 153, ♀ Gn. II, I, Leg V. [Atlantide].

ISCHYROCERIDAE Shoemaker, 1942

Jassa Leach, 1814

J. dentex (Czerniavski, 1868) (now *J. ocia* (Bate, 1862) see Sexton & Reid, 1951)

- 148 a. Keyhaven.
b. ½ tide, rock pool, Hells Bay, I. of Scilly, 23:9:38.
c. *Laminaria* holdfasts, Sgeir Fada, Stoer Bay, 24:4:40. Stoer spec. from Mrs. Sexton, 28:2:44.
S355. ♀ Plymouth, Devon, April 1936, CBG.

J. falcata (Montagu, 1808)

- 149 a. Atlantide Stn. 155, off Bathurst, Gambia, 22:10:45, 28:10:45, scrapings from bottom of ships and buoys.
b. L. Sween, 3:6:47.
c. 2-3f, on *Cystoseira*, Keppel, Clyde, 5:11:40.
d. Salmon net floats, Raffin.
e. Millbay Dock, Plymouth.
f. Net floats, Raffin.
- 149a a. Beaufort, N. Carolina, 162578.
b. Charleston Harbour, S.C., 134066.
c. Sea buoy, St. Simon, Georgia, 11:3:41, 160031.
d. Charleston Harbour, S.C. from sea buoy, 25:1:34. All from Smithsonian Institution, from C. Shoemaker.
- 197 a. 16:8:42 [Completely dried out].
S356. Young ♂ Keyhaven, Hants, Sept. 1936, CBG.
S357. ♂ Keyhaven, Hants, Sept. 1936, CBG.
S358. ♀ Keyhaven, Hants, Sept. 1936.
S359. ♂ Gn. II, Per. III, to show gills.
S360. ♂♂ broad type, narrow type.
S361. ♀ broad type, breakwater raft, Plymouth, 16:6:42.
S362. ♂ broad type, breakwater raft, Plymouth, 16:6:42.
S363. Atlantide Exp. Stn. 155, Gn. II, ♂ .
S364. ♂ St. Sinaris [?], sea buoy, Georgia, US Nat. Mus., 160/031.

J. ocia (Bate, 1862)

- 150 a. On *Halichondria* from rock cleft, LWST, Stoer Bay, Sutherland, 2:9:40.
b. On *Halichondria* from rock cleft, Sgeir Fada, Stoer, LWST, 1:9:40.

J. pulchella Leach, 1814

- 151 a. Amongst green algae, Traghad, Stoer, ovig. female, -:4:38.
b. In weed, LWM, Nr. Traghad, Stoer, -:4:38.

Jassa sp.

- 198 a. Lam. Holdfast, Totland Bay, I. of W., 6:7:40, Gn. odd.
- S402. X, ♀ Mouthparts.
S403. X, ♀ Ant. I, II.
S404. X, ♀ Gn. I.
S405. X, ♀ Gn. II.
S406. X, ♀ Per. III.
S407. X, ♀ Per. IV.
S408. X, ♀ Per. V, broodplates.
S409. X, ♀ Per. VI.
S410. X, ♀ Per. VII.
S411. X, ♀ Pleop., II, III.
S412. X, ♀ Up. I-III, Telson
S413. X, ♂ no other data.
S414. X, ♂ Head, Ant. specimens of this species abundant in *Cystoseira* washings from 2-3 fms., Keppel Pier, Millport, Clyde.
S415. X, ♂ Gn. I, II.
S416. X, Urosome.
S417. KB, ♂ 9:5:20, II, moult, May 9, 1930, Body, Gns. II.
S418. KB, ♂ II, dead, 30:5:30, Gn. II.
S419. KB, ♂ II, moult, 9:3:30, Head, Ant.
S420. II, inter ♂ dead, May 1, 1929, Ant. Pleon.
S421. II, inter ♂ dead, May 1, 1929, Gn. II.
S422. II, ex. CXLI frags., moult, Feb. 1, 1929, Ant. Pleon.
S423. II, ex. CXLI inter, moult, 10:2:29, Gn. I, II.
S424. II, ex. CXLI, inter, moult, 10:2:29, Gn. II, rather crushed.
S425. II, ex. CXLI, inter ♂ moult, 23:2:29, Gn. II.
S426. II, Dec. 18.
S427. KB, 31, ♂ dead, July 5, 1930, Gn. II, RS.
S428. KB, 31, ♂ dead, July 5, 1930, Gn. II, partly dissected.
S429. KB, 31, ♂ dead, July 5, 1930, frags., Pleon macerated.
S430. KB, 31, Moult, May 21, 1930, Gn. II, hands.
S431. J. XCIX, ♂ parent, Br. 14, broad, dead, Sept. 26, 1928, Head, Ant.
S432. J. XCIX, ♂ ditto. Gn. I.
S433. J. XCIX, ♂ ditto. Gn. II, hands.
S434. J. XCIX, ♂ ditto. Per. I.
S435. J. XCIX, ♂ ditto. Per. V.

- S436. J.XCIX, ♂ ditto. Pleon, Pers.
- S437. 14c, (21), Feb. 19, 1929, Ant. II (2), Ant. I (1).
- S438. 14c, (21) Ditto Gn. II, hands.
- S439. 14c, (22) March 9, 1929, moult ♂ inter.
- S440. 14c, (22), March 9, 1929, moult ♂ inter, Gn. II, hands.
- S441. 14c, (23), moult, April 20, 1929, Gn. II, hands.
- S442. 14c, (23), moult, April 20, 1929, showing Per. V, with broodplate.
- S443. 14c, (23), moult. Ditto. animal.
- S444. 14c, (23), moult, April 20, 1929, Gn. II, RS., Sideplate.
- S445. 14c, (24), moult, May 9, 1929.
- S446. 14c, (24), moult, May 9, 1929, Gn. II, hand.
- S447. 14c, moult, March 25, 1929, Head, Ant.
- S448. 14c, Ditto. Body, Pers. Gn. I, hand.
- S449. 14c, ♀ Ditto. Gn. II, hands.
- S450. 14c, ♀ Ditto. Per. I, II, III and Broodplate, fig.
- S451. 14c, ♂ June 14, 1929, Gn. II, hand, no good.
- S452. 14c, ♂ ditto Gn. II, hand no good.
- S453. 14g, ex. XCIX, ♂ inter, dead July 13, 1929, Gn. II (both hands).
- S454. 14g, ♂ inter, dead July 13, 1929, macerated Pleon, Head and C.
- S455. 14g, moult, June 17, 1929, Per. I, Broodplate, Pers. I, II.
- S456. 14g, inter, ♂ moult, June 17, 1929, Ant. Head.
- S457. 14g. Ditto Pleon, etc, Gn. II, hands.
- S458. 14g, inter, ♂ moult, July 8, 1929, Ant. (4), part Gn. II, and oral parts.
- S459. 14g, Ditto. Pleon, and Pers. Gn. II, hands.
- S460. 14g, inter, ♂ moult, June 17, 1929, Per. II.
- S461. 21b, inter, ♂ dead, May 27, 1929, Head ventral, Ant. (4).
- S462. 21b, Ditto. Gns. II.
- S463. 21b, Ditto Per. I or II.
- S464. 21b, Ditto Per. I or II.
- S465. 21b, Ditto Pers. III.
- S466. 21b, Ditto Pleon, Per. V, and sideplate.
- S467. 21b, ♀ Pr. 2, dead, macerated, Jan. 10, 1930.

Microjassa Stebbing, 1899

M. cumbrensis (Stebbing & Robertson, 1891)

- 147 a. Portencross, Clyde, 19:11:40.

Parajassa Stebbing, 1899

P. pelagica (Leach, 1814)

- 146 a. Hurst Pier, Keyhaven, Hants., LWST.
b. L. Sween, -:7:41.

- c. Stipe, *Laminaria*, Stoer.
- d. Stoer.
- S470. ♀ source unknown.

LAFYSTIIDAE Sars, 1895

Lafystius Kroeyer, 1842

L. sturionis Kroeyer, 1842

- 44 a. On codfish.

Lafystiidae

undetermined material.

- S471. Cephalon, Urosome, St. M5,
- S472. Pers. I, II, III, IV, VII, St. M5.
- S473. Mundelar, St. M5.

LEUCOTHOIDAE (Dana, 1852)

Leucothoe Leach, 1814

L. dentitelson Chevreux, 1925

- 36 a. Atlantide Stn. 153.

L. incisa Robertson, 1892

- 37 a. Tresco, Scilly, LWST., 25:9:38.

L. spinicarpa (Abildgaard, 1789)

- 38 a. V. common with *Ascidia mentula*, Oldany, -:4:38.
- b. Ships, fouling, Aden, WAKW.
- c. Pontoon, Millbay, Plymouth.
- d. Oldany, Stoer, 1:1:39.
- e. Asia Shoal, 19:4:38.
- S474. ♂ Aden.

LILJEBORGIIDAE Stebbing, 1899

Liljeborgia Bate, 1862

L. alba Reid ms.

- 47a a. Lund Chile Exp. 1948-49. Stn. M144A, 15:7:49. [Completely dried out.]

L. brevicornis Bruzelius, 1859.

- 47 a. Mewstone, Devon, 24:3:39.
- b. Atlantide Stn. 153.

L. kinahani var. *caecus*, n. var. Reid ms.

a. Lund Univ. Chile Exp. 1948-49. No 195, Stn. 1.

LYSIANASSIDAE Dana, 1849

Amaryllis Haswell, 1880

A. macrophthalma Haswell, 1880

S475. Gn. I, note pectination. [Lund]

S476. M42a:1+3, 24:1:49. [Lund]

S477. M42a:1+3, 24:1:49. Mxp. no palp. [Lund]

Anonyx Kroeyer, 1838

A. nugax (Phipps, 1774)

- 13 a. Arctic Ocean.
b. No data.

Aristias Boeck, 1871

A. antarcticus Walker, 1907

S478. M42a:1+3, ♂ Gn. I, II, Up. III, Telson.

S479. M42a:1+3, ♂ Ep. III.

S480. M28, Mouthparts.

S481. M28, Gn. II, I, Legs VI, VII.

Cyclocaris Stebbing, 1888

C. margarita Reid ms.

- 195 a. Atlantide Exp., 1945,46. Stn. 139, 1°30'N, 10°10'W.
2:4:46, 4.00 hrs., S.200. [Completely dried out.]

Cyphocaris Boeck, 1871

C. anonyx Boeck, 1871

- 13a a. Atlantide Stn. 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs., M.W. 1750,
S200.

C. challengerii Stebbing, 1888

- 13b a. Atlantide Stn. 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs., M.W. 1750, S200.

C. faurei Barnard, 1916

- 13c a. Atlantide Stn., 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs., M.W. 1750, S200.

Hippomedon Boeck, 1871

H. denticulatus (Bate, 1857)

- 12 a. Stomach of *Gobius minutus*, Bigbury Bay, Plymouth, 20:3:37. CBG.
b. No data.

Lepedepectreon Reid ms.

Lepedepectreon sp.

S487. Ups. II, III, Ant. II, M.145a, 2. [Lund].

Lepidecreata Reid ms.

L.erikdahli Reid ms.

S488. ♀ Gn. I, II, Legs, V. VII, M.16e. [Lund].

Lepidepectreoides Barnard, 1931

L.serrata Reid ms.

S482. N. sp. Urosome, M.70a, DMR. 1954. [Lund]

S483. N. sp. Legs, Telson, Up. III, 1954. [Lund]

S484. *L.serratus* 70a. [Lund]

L.xenopus Barnard, 1931

S485. Legs, VI, VII, M.145a. [Lund]

Lepidicreon Reid ms.

L.leptocephalus Reid ms.

S486. Gn. II, M.56. [Lund].

Lysianassa Milne-Edwards, 1830

L.ceratina (Walker, 1889)

- 1
 - a. Tresco, I. of Scilly, 20:9:38.
 - b. Pontoon, Millbay, Plymouth, 16:4:38.
 - c. On seaweed, 16:4:38.
 - d. Ships fouling, Aden, WAKW.
 - e. Hurst, Keyhaven, Aug. 1937, CBG. In *Laminaria* root just below LWST.
- S489. 145-4, ♂ Head, Ants. Gn. I, II. [Atlantide].
- S490. 145-4, Max., I, Man, Epistome. [Atlantide].
- S491. 145-4, Max., II, Maxp., Gill. [Atlantide].
- S492. 145, Mxp. [Atlantide].
- S493. 145-4, ♂ limb 4 and plate, Telson, Up. III. [Atlantide].
- S494. 145-4, ♂ Legs VI, VII, (7 with additions). [Atlantide].
- S495. 145-4, ♂ Up. III. [Atlantide].
- S496. No data.

Nannonyx Sars, 1895

N.goesi (Boeck, 1871)

- 2
 - a. With *Ascidia mentula*, Oldany, 1938.

Orchomene Boeck, 1871

O.humilis (Costa, 1853)

- 4
 - a. Oldany, Stoer, 1:1:39.

Orchomenella Sars, 1895 (now *Orchomene* Boeck, 1871 see Barnard, 1969)

O. abyssorum Stebbing, 1888

S522. Mouthparts, 189, 1078.

O. cavimanus Stebbing, 1888

S523. M. 16d, Gn. II (*O. cavimana* on label). [Lund]

S524. M. 16d, Mouthparts (*O. cavimana* ditto). [Lund]

S525. M. 16d, Head, Gns., Urosome (*O. cavimanus* ditto). [Lund]

O. nana (Kroeyer, 1846)

- 3 a. From a trap, 2f., Keyhaven, Hants, 1937.
 b. Bryher, Scilly, on a dead crab, 23:9:38.
 c. In dead crab, Eddystone, 24:3:39 (98).
 d. Oldany, -:8:39 (52).

O. plicata Schellenberg, 1925

S526. ♂ M.17., Legs VI, Gn. II. [Lund]

S527. Head, Mouthparts, M.20. [Lund]

S528. ♂ Ant. I, Gn. I, II, Leg VII, M.20. [Lund]

S529. ♂ Gn. II, M.16d. [Lund]

Orchomenopsis Sars, 1895 (now *Orchomene* Boeck, 1871 see Barnard, 1969)

Orchomenopsis sp.

S530. M.16d, HB, Gn. I, II. [Lund]

S531. M.16d, HB, Ep. III. [Lund]

Parawaldeckia Stebbing, 1910

P. barnardi Reid ms.

- 3a a. V.U.C. 2, Otago Harbour, NZ, Nov. 1952.

P. thompsoni (Stebbing, 1906)

- 3b a. V.U.C. 2, Otago Harbour, NZ, Nov. 1952.

Parawaldeckia sp.

S532. M.113, Zone 5:1, Head, Mouthparts, Urosome. [Lund]

S533. M.9d, ♀ Head, Mouthparts. [Lund]

Perrierella Chevreux & Bouvier, 1892

P. audouiniana (Bate, 1857)

- 9 a. Tameton Creek, Plymouth, 20:7:38.
 b. Clyde.

Pseudalibrotus Della Valle, 1893 (now *Onisimus* Boeck, 1871 see Barnard, 1969)

P.litoralis (Kroeyer, 1845)

14 a. 151/46, det. E. Dahl, 20:9:46.

Scopelocheiropsis Schellenberg, 1926

S.aequitoris Reid ms?. [this species not recorded in Report, nor can author be found for this name].

5a a. Atlantide Stn. 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs., M.W. 1750, S200.

S.crenatus Bate, 1857

5 a. Clyde

S.hopei (Costa, 1851)

6 a. Clyde
b. Nr. Assynt, alkaline, 18:4:42, Sawyer.

Socarnes Boeck, 1871

S.erythrophthalmus Robertson, 1892

10 a. No data.

Tmetonyx Stebbing, 1906

T.bruuni Reid, 1951

SYNTYPE AND FIGURED SLIDE

7 a. Stn. 161. [Atlantide].
S534. N. sp. 160-1, Lysian, Head, Gn. I, II, Leg. V. [Atlantide].
[see Reid, 1951, fig. 1].

T.cicada (Fabricius, 1780)

8 a. Locality unknown.
S535. Is. of Arran, 1924, CBG.

Tryphosa Boeck, 1871

T.nanoides (Liljeborg, 1865)

11 a. Clyde

Tryphosella Bonnier, 1893

T.castellata Reid ms.

S536. Chile Exp. M. 40a, ♀ ov., Head, Sideplate 1, Ep. III. [Lund]

Tryphosella sp.

S537. M. 147a, II, Leg VII, Up. III, Telson. [Lund]
S538. M. 147a, II, Gn. I, II, ♂, Sideplate I. [Lund]

Waldeckia Chevreux, 1906

W. dahli Reid ms.

- S539. M.56, ♂ Ant. II, Mouthparts. [Lund]
- S540. M.56, ♂ Gn. I, II, Ant. II. [Lund]
- S541. M.56, ♂ Gn. I, II, Legs, Eps. [Lund]
- S542. M.56, ♂ Per. IV, V, VI, VII, Ep. I-III. [Lund]
- S543. M.56, ♂ Ups. II, III. [Lund]
- S544. M.56, ♂ Telson. [Lund]
- S545. M.56, ♂ Urosome. [Lund]
- S546. ♂ Head, Ant. I. [Lund]

Lysianassidae

undetermined material.

- 195 a. With weed, Keyhaven, -:6:40, see slide of 1st Gnathopod.
- S497. Gn. I, spec. in bottle labelled doubtful species.
- S498. M.56, Mouthparts.
- S499. M.56, Gn. I, II, Legs, V, VII.
- S500. No 1, ♀ Cephalon, Mundelar, St. M.61.
- S501. No 1, ♀ Per. I, II, III, IV, VII, Stn. M.61.
- S502. No 1, ♀ Ep. III, Urosome, St. M.56.
- S503. No 2, Mundelar, St. M.17.
- S504. No 2, ♂ Cephalon, St. M.17.
- S505. No 2, ♂ Per. I, II, III, IV, VII, St. M.17.
- S506. No 2, ♂ Telson, Ep. III, Mp. III, St. M.17.
- S507. No 3, ♀ Cephalon, St. M.17.
- S508. No 3, ♀ Per. I, II, III, IV, VII, St. M.17.
- S509. No 3, ♀ Mundelar, Ep. III, Mp. III, Telson, St. M. 17.
- S510. No 5, ♀ ov., Cephalon, St. M.16a.
- S511. No 5, ♀ ov., Per. I, II, III, IV, VII, Stn. M.16a.
- S512. No 5, ♀ ov., Mundelar, Ep. III, Mp. III, St. M.16a.
- S513. No 6, ♂ Mundelar, M.20.
- S514. No 6, ♂ Per. I, II, III, IV, VII, M.20.
- S515. No 6, ♂ Ep. III, Up. III, Telson, M.20.
- S516. No 7, ♂ Mundelar, M.18.
- S517. No 7, ♂ Per I, II, III, IV, V, VII, M.18.
- S518. No 7, ♂ Ep. III, Up. III, Telson, M.18.
- S519. No 8, ♂ Mundelar, M.18.
- S520. No 8, ♂ Per I, II, III, IV, V, VII, M.18.
- S521. No 8, ♂ Ep III, Up. III, Telson, M.18.

OEDICEROTIDAE Liljeborg, 1865

Monoculodes Stimpson, 1853

M. valentini Reid ms.

- S547. M.19. [Lund].

Oediceroides Stebbing, 1888

O. cystifera Schellenberg, 1931.

48a a. M.16 E, 14:12:48. [Lund].

O. unidentata Reid ms.

48b a. M.29, 13:4:19. [Lund].

Perioculodes Sars, 1895

P. longimanus (Bate & Westwood, 1868)

48 a. Clyde, lower reaches.

b. N. Loch in sand, Oldany, 11:8:38.

Pontocrates Boeck, 1871

P. arenarius (Bate, 1858)

49 a. Trawled in Fleet Bay, Wigtown, 1939.

P. norvegicus Boeck, 1871 (now *P. arenarius* (Bate, 1858) see Schellenberg, 1942)

49a a. Cawsand Bay, Plymouth, 14:3:39.

Oedicerotidae

undetermined material.

S548. No. 7, Cephalon, Pers. I, II, III, VII, Mxp., St. 57b.

PARAMPHITHOIDAE Boeck, 1871

Epimeria Costa, 1851

E. cornigera (Fabricius, 1779)

56a a. N. Atlantic and N. Sea.

Paramphithoe Bruzelius, 1859

P. assimilis Sars, 1882 (now *Parapleustes assimilis* (Sars, 1882) see Gurjanova, 1951)

56 a. Clyde.

PHOTIDAE Boeck, 1872 (= ISAEIDAE see Barnard, 1969)

Eurystheus Bate, 1857 (now *Gammaropsis* Liljeborg, 1855 see Barnard, 1969)

E. atlanticus Stebbing, 1888

130 a. Atlantide Stn. 145, 9°20'N, 14°15'W, 3:4:46, 7.45, 10.10 hrs., Agassiz and Otter trawl. Shells, forams, 32 m.

S549. ♂ Gn. I, II.

S550. ♀ Gn. I, II.

E. averus Reid, 1951

SYNTYPE AND FIGURED SLIDES

S551. N. sp. Atlantide Exp. 151, ♂ Gn. II, see slide 151-6.

S552. N. sp. Atlantide Exp., 151-6, Gn. II broken, Per. III, Md. palp.
[see Reid 1951, fig. 52b].

E. hirsutimanus Reid, 1951

SYNTYPE

S553. ♀ 153 (8), Gn. II. [Atlantide].

E. longicarpus Reid, 1951

SYNTYPE

196 a. Atlantide Stn. 145, 9°20'N, 14°15'W, 13:IV:46. [Tube contains
3 specs; from Report 2 this applies to Stn. 141, not Stn. 145.]

E. maculatus (Johnson, 1827)

131 a. [separate labels] a) Asia shoal, 6f, b) dredged by Salpa, 20:4:38.
b. Keyhaven, Hants.
c. On weeds on rocks, 16:4:38.

S554. ♂ Keyhaven, Hants, Aug. 1935, CBG.

S555. No data.

E. pacificus Schellenberg, 1938

132 a. No loc., '43-2'.

PHOXOCEPHALIDAE Bate, 1857

Harpinia Boeck, 1876

H. antennaria Meinert, 1890

32 a. 10:8:39, dredged S. Channel, Oldany, Sutherland.

b. Cawsand Bay, Plymouth, 24:3:39.

H. bratstromi Reid ms.

S563. M. 16e, ♀ Up. III. [Lund].

H. crenulata (Boeck, 1871)

31 a. Oldany, 11:18:38, [date obviously incorrect].

H. plana Reid ms.

S564. M, 137a, ♀. [Lund].

S565. M, 38 + a + b, Ants., Mouthparts. [Lund].

S566. M. 38 + a + b, Ants., Gns. [Lund].

S567. M. 38 + a + b, Legs VI, VII, Up. III, Telson. [Lund].

H. plumosa (Kroeyer, 1842)

33 a. R. Ranga (Clyde?).

Harpina sp.

S568. M. 147a, II, Gn. I, Leg II. [Lund].

S569. M. 147a, II, ♀, Legs VI, VII, Up. III. [Lund].

Harpiniella Reid ms.

Harpiniella sp.

S570. M. 16e, ♀ [Lund].

S571. M. 16e, ♀ [Lund].

S572. M. 16e, ♀ [Lund].

S573. M. 16e, ♀ [Lund].

S574. M. 16e, ♀ Mouthparts, Gns. [Lund].

S575. M. 16e, ♀ Mx. I, showing 2 jointed palp. [Lund].

S576. M. 20, ♀ Ants. I, II. [Lund].

S577. M. 20, ♀ (irreg.) Ant. II, Mouthparts, Legs VI, VII, Up. III, Telson.
[Lund].

S578. M. 20, ♀ (irreg.) Legs VI, VII. [Lund].

Harpiniopsis Stephensen, 1925

Harpiniopsis sp.

S579. M. 45a, ♂ Mx. I, palp. 2 jointed. [Lund].

S580. M. 45a, ♂ Ant. II, Legs VI, VII. [Lund].

S581. M. 45a, ♂ Ep. III, Gn. I, II, Up. I-III, Telson. [Lund].

Intraharpinia Reid ms.

I. minuta Reid ms.

S582. M. 20, ♂ Leg VII. [Lund].

S583. M. 20, ♀ Mouthparts. [Lund].

S584. M. 20, ♀ [Lund].

Leptophoxus Sars, 1895

L. atomicus Reid ms.

33a a. M. 38, + a + b. [Lund].

S585. M. 38 + a + b, Gns. (left side), Legs VI, VII. [Lund].

S586. Ditto Up. III. [Lund].

S587. Ditto ♀ Mxp. [Lund].

Metaphoxus Bonnier, 1896

M. antarcticus Reid ms.

S588. M. 41a, ♀ [Lund].

Metharpinia Schellenberg, 1931 (now *Paraphoxus*, Sars, 1895 see Barnard, 1957)

M. videns Reid ms.,

S589. M. 64b, ♀ Ant. II, Leg VII, Up. III. [Lund].

Parharpinia Stebbing, 1899 (now *Paraphoxus* Sars, 1895, see Barnard, 1957)

P. fuegiensis (Schellenberg, 1931)

33b a. M. 64b. [Lund].

S590. M. 64b. [Lund].

S591. M. 43a, ♀ Mouthparts. [Lund].

S592. M. 43a, ♀ Legs V, VI, VII. [Lund].

P. uncinata Reid ms.

33c a. M. 147. AII. [Lund].

S593. M. 147a, II [labelled as *P. ?uncinata*] [Lund].

S594. M. 148a, ♀ Mouthparts. [Lund].

P. villosa (Haswell, 1880)

S595. M. 60 (Amp. 4), 29:3:49, E.D., Gn. I, Legs II-VII, Ep. III, Mxp. [Lund].

S596. M. 63, ♂ Mouthparts. [Lund].

S597. M. 63, ♂ Gn. I. [Lund].

S598. M. 63, ♂ Legs. [Lund].

Phoxocephalus Stebbing, 1888

P. holbolli (Kroeyer, 1842)

34 a. Cumbrae, Clyde.

P. induratus Reid ms.

S604. N. sp. No Stn. No, date 4:5:49, Gns. I, II, Leg II, Mand. [Lund].

S605. N. sp. No Stn. No, date 4:5:49, Ant. I, Ups. II, III, Telson, Ep. III. [Lund].

S606. N. sp., M. 115, Gns., Legs VI, VII. [Lund].

P. quadrimanus Reid ms.

34a a. M. 38 + a + b. [Lund].

S607. M. 38 + a + b, Body and Mouthparts. [Lund].

S608. Ditto Legs and Ants. [Lund].

S609. Ditto ♀ Gns, Maxp. [Lund].

S610. Ditto Up. [Lund].

S611. M. 147A, II, ♀ limbs. [Lund].

S612. Ditto, Mouthparts. [Lund].

Pseudharpinia Schellenberg, 1931

P.haustromi Reid ms.

- S613. M. 38 + a + b, ♂ [Lund].
S614. Ditto ♀ Ants., Mx. I, Mand. [Lund].
S615. Ditto ♀ Legs VI, VII, Up. III, Telson. [Lund].

Pseudharpinia sp.

- S616. M. 38 + a + b, Head, Mouthparts. [Lund].

Phoxocephalidae

undetermined material.

- S599. Lund Univ. Chile Exp. 1948-49, Stn. M. 16e, parasites on Pleopods of
of Gammarid, ♀ *Phoxocephalidae*.
S600. M. 43a, Mouthparts, Gns. I. [Lund].
S601. ♂ Cephalon, Stn. M.3.
S602. ♂ Per. I, II, VI, VII, Stn. M.3.
S603. ♂ Mundelar, Ups. I, III, Telson, Stn. M.3.

PODOCERIDAE Dana, 1849

Laetmatophilus Bruzelius, 1859

L.purus Stebbing, 1888

- 163 a. Atlantide Stn. 153, 10°49'N, 16°39'W, 16:4:46, 8.55/9.35 hrs., coarse
sand, Agassiz Trawl.

Podoceros Leach, 1814

P.brasiliensis (Dana, 1853)

164. a. Atlantide Stn. No 155, off Bathurst, Gambia, 22:10:45, scrapings from
bottoms of ships and buoys.
b. Ships, fouling, Aden, W.A.K.W.

STEGOCEPHALIDAE Dana, 1852a

Andaniotes Stebbing, 1897

A.linearis Barnard, 1932

- S623. M. 42a:3 Mouthparts. [Lund].
S624. M. 42a:3, Gn. II, Legs V, VII. [Lund].

Parandania Stebbing, 1899

P.boeckii (Stebbing, 1888)

- 14a a. Atlantide Stn. No 139, 1°30'N, 10°10'W, 2:4:46, 4.00 hrs., Stramin net.

STENOTHOIDAE Boeck, 1871

Metopoides Della Valle, 1893

M. parvimanus Reid ms.

- 194 a. Stn. M.41.A [completely dried out] [Lund].

Prometopa Schellenberg, 1926

P. tuberculata Schellenberg, 1926

- 38a a. M. 42a, 2+ 5. [Lund].

Stenothoe Dana, 1852

S. cattai Stebbing, 1906 (now *S. gallensis* Walker, 1904 see Barnard, 1955)

- 39 a. Atlantide Stn. 155, Bathurst, Gambia, 18:10:45, scrapings from bottoms of ships and buoys.
b. Ships, foulding, Aden, W.A.K.W.
S625. Atlantide Exp. ♀ 155, 24b.
S626. Ditto ♂ 155, 24b.
S627. Ditto ♂ Gn. II.

S. gallensis Walker, 1904

FIGURED SLIDES

- S628. 155.24a [or d,] whole animal. [Atlantide].
S629. Atlantide Exp., 155, 24a [or d.] ♂, Gns.
S630. *S. gallensis* or *spinimana*, Stn. 155. [see Reid 1951, fig. 27].

S. monoculoides (Montagu, 1813)

- 40 a. With *Balanus* in salmon net floats.
b. Hells Bay, Scilly, ½ tide, rock pool, 23:9:38.
c. Stoer Bay, 8:1:38.
d. On fine weed LWST, Sgeir Fada, Stoer, 2:9:40.
e. On green algae on large mussel, Stoer Bay.
S631. ♂ Drakes Is., Plymouth, April 1936, CBG.
S632. ♂ Ditto.

S. valida Dana, 1852

- 41 a. Raft, Plymouth, -:7:43, see slides.
S633. Mouthparts, Plymouth Raft, 1943.
S634. ♂ Ants., Gn. II, Plymouth Raft, 1943.

S. yanezi Reid ms.

- 41a a. Stn. M. 40a [completely dried out.] [Lund].

Stenothoides Chevreux, 1900

S. latipes Chevreux & Fage, 1925

- 42 a. Stoer Bay, Sutherland.

TALITRIDAE Leach, 1814

Orchestia Leach, 1814

O. bottae Milne-Edwards, 1840 (now *O. cavimana* Heller, 1865 see Schellenberg 1940)

- 110 a. R. Yare, Brundall, Norfolk, 13:8:45, A.E. Ellis.
b. Richmond, Surrey, 22:7:42.
c. Huddersfield, 25:4:50, G. Fryer.
d. Bank of Yare, Thorpe, Norwich, 14:4:47, A.E. Ellis.
S635. ♂ Gn. II, Per. VII.
S636. ♂ Gn. I, II.
S637. ♀ Ant. II, Leg VII, Up. III.
S638. ♀ Gn. II.
S639. ♀ R. Yare, Norwich, NB. Broodplate.

O. gammarellus (Pallas, 1766)

- 111 a. Above HWM, nr. Old Lab, Port Erin, I.O.M.
b. Under stones on mud, Burton Marsh, 17:11:41.
c. Under sack? HWM at Sgeir Fada, 16:9:45.
d. Respond, 1948.
e. Oldany Marsh, -:4:39.
f. Keyhaven, Hants.
g. Oldany, Sutherland.
h. Under stones on grass, nr. sea, N. side Stoer Bay, v. scarce, dry ground, 4:9:41.
i. From peaty ground at ½ tide, Oldany, -:4:38.
S640. yy present, Keyhaven, Hants., Aug. 1936, CBG.
S641. No data.
S642. ♀ Stoer Bay, NB, Broodplates.
S643. ♂ Gn. I, II.
S644. ♀ Gn. I, II.
S645. ♂ Gn. II, Per. VII, 14 mm.
S646. ♂ Per. VII, Body 11 mm long.
S647. Oldany, Stoer, No 3 in collection.
S648. ♂ no data.
S649. ♂ no data.

O. mediterranea Costa, 1857

- 112 a. Keyhaven, Hants.
b. Under stones, Seamills, -:4:40.
c. Prob. *O. medit.* from Anglesey, GHL, -:4:41.
d. Sgeir Fada, Stoer, 5:1:38.
e. Under stones, in *Pelvetia*, E. Oldany.
f. Plentiful, Rum Bay, Plymouth, 18:4:38.
g. Seamills, St. Issey, Cornwall, -:1:40, (typical *O. medit.*)

- S650. ♂ yy present, Keyhaven, Hants., April 1936, CBG.
 S651. ♀ no yy present, ditto.
 S652. ♂ Anglesey, Gn. II, Leg VII, Ant. II, Up. I.
 S653. ♂ Anglesey, Telson, Up. III, Ant. I.
 S654. Anglesey, Gn. I, ♂., Gn. I, ♀.
 S655. ♀ Gn. II, Per. VII.
 S656. ♀ Gns. I, II.
 S657. Ep. III, N.O., No 14 in collection.
 S658. ♀ ovig., Plymouth, NB, Broodplate.
 S659. ♂ Gns. I, II.
 S660. ♂ Gn. II, 3 stages in development.
 S661. *O.med.* ♂ above, *O.gam.* ♀ below, Leg V.
 S662. ♀♀ Gn. II, *O.med.*, upper, *O.gam.*, lower.
 S663. adult ♂ Gns. II, Leg VII, Arnwell.

O.nitida Dana, 1852.

- S664. ♂ Cephalon, St. M. 10b.
 S665. ♂ Mundelar, Mp. 1, Mp. III, Telson, St. M. 10b.
 S666. ♂ Per. I, II, III, St. M.10b.
 S667. ♀ Per. I, II, St. M.10b.

O.platensis Kroeyer, 1845

- 113 a. No data.
 S688. ♂ Gn. II, Ad. + Juv., Ant. II, Up. I.
 S669. ♂ Leg VII, Gn. I, ♀., Gn. II.

Orchestia sp.

- S670. No 1, ♂ Cephalon, St. M.6.
 S671. No 1, ♂ Mundelar, Ep. III, Mp. III, Mp. I, Telson, St. M.6.
 S672. No 1, ♂ Per. I, II, St. M.6.
 S673. No 1, ♂ Per. VII, St. M.6.
 S674. No 1, ♀ Per. I, II, St. M.6.
 S675. *Orchestia* ?, Gn. I, ♀.
 S676. *Orchestia* ?, Gn. II.
 S677. *Orchestia* ?, Per. V, ♀.
 S678. *Orchestia* ?, Ep. III, ♀.
 S679. *Orchestia* ?, Up. III, ♀.
 S680. *Orchestia* ?, Telson.
 S681. No data.
 S682. *Orchestia* ?, ♂ Gn. I.
 S683. *Orchestia* ?, ♂ Gn. II.
 S684. *Orchestia* ?, ♂ Per. VI.
 S685. Clyde, ♂ Ant. I, II, Gn. I, Leg VI.
 S686. Clyde, ♀ Gn. I, ♂, Gn. II.

- S687. Clyde, ♀ Gn. II.
 S688. Clyde, ♀ Leg.V.
 S689. Clyde, ♂ Leg VII.
 S690. Clyde, ♂ Ep. II, III.

Orchestoidea Nicolet, 1849

O. tuberculata Nicolet, 1849

- 109 a. Chiloe Is., S. America.

Talitroides Bonnier, 1898 (now *Talitrus* Latrielle, 1802 see Barnard, 1969)

T. alluaudi (Chevreux, 1896)

- 122a a. No data.
 b. Daniels Greenhouses, Norwich, Norfolk.
 S692. Ants. I, II.
 S693. Pleop. I, II, III, 1st a pair, 2nd on complete plate.
 S694. 3rd Urop. and last body segment.
 S695. Telson.
 S696. Gn. II, Leg II, Pleop. I.
 S697. Ep. I-III.
 S698. Mouthparts.

T. hortulanus (Calman, 1912) (now *Brevitalitrus hortulanus* (Calman, 1912) see Bousfield 1971)

- 122b a. Kew Gardens.
 [Among Reid's reprints is one sent to him by Calman on the above species: on it Reid has written 'Bagnall sent me some specimens before Calman got the specimens noted below, I have described and figured the beasts but he got in before me'.
 Unfortunately of the 'some specimens' only one remains.]
 S699. ♀ Ant. II, Gn. II.
 S700. ♀ Ant. I, II, Gn. II.
 S701. ♀ Pleop. II, III.
 S702. ♀ Up. III.

T. sylvaticus Haswell, 1880

- 122c a. Bryher, Scilly, 25:9:38, CBG. 'On Charles Jenkins' doormat'.
 b. Bryher, Scilly, 25:9:38.
 c. No loc.
 S703. Leg II.
 S704. ♀ Broodplate.
 S705. Pleop. II.
 S706. Pleop. II.
 S707. Telson, Gn. II.
 S708. Pleop.
 S709. Additional and abnormal legs, large one is additional 7th.
 S710. Ant. II, Up. III, Pleop. II.

- S711. Ep. I-III, Up. I.
 S712. Slide No 2 in collection, N.O., no other data.
 S713. ♀ Bryher, NB, Broodplates.

Talitrus Latreille, 1802.

T. saltator Montagu, 1808

108. a. Bryher, Scilly, New Grimsby Sound, clean sand MWST, CBG.
 b. Scilly, 20:9:38.
 c. Stoer Bay.
 d. Bryher, Scilly, 20:9:38.
 e. On shingle retreating before rising tide in great numbers, Traigh, Stoer, 9:8:44.
 f. Traigh, Stoer, 20:8:42.
 g. Stoer Bay, -:9:49.
 S714. ♀ Ant. II.
 S715. ♂ Gn. II.
 S716. ♂ Leg II.
 S717. Telson, (folded).
 S718. Broodplate, ♀ .
 S719. No data.
 S720. No data.
 S721. ♂ Ant. II.
 S722. ♀ Gn. I, Gn. II.
 S723. ♀ Gn. II, Up. III.
 S724. ♂ Gn. I, II.
 S725. ♂ Leg VII, Up. III.
 S726. ♀ Gn. I, Leg V, Up. III.
 S727. ♀ Stoer Bay, NB, Broodplates.
 S728. Mouthparts.
 S729. ♀ ♀ Ant. II, *T. saltator*, *Tal. deshayesi* note v. spinous peduncle of former.
 S730. Slide No 1 in collection N.O.

Talitrus sp.

- S731. Norfolk, ♀ Ep. II, III.
 S732. Norfolk, ♀ Gn. I, II.

Talorchestia Dana, 1852

T. brito Stebbing, 1891

- 114 a. Woolacombe.
 b. Under stones, coarse sand, Sgeir Fada, 5:1:38.
 S733. ♂ Gn. I?
 S734. ♂ Gn. II, Ant. II, Legs V, VI.
 S735. ♀ Gn. I.

- S736. ♀ Up. III.
- S737. ♂ Gn. II?
- S738. ♂ Telson?

T. deshayesi (Audouin, 1826)

- 115 a. Among decaying seaweed, Durness.
- b. With *T. saltator*, Stoer, Sept. 1949.
- c. In sand, Oldany, -:8:37.
- d. Constantine Bay, Cornwall, -:4:40.
- S739. ♂ Keyhaven, Hants., Aug. 1936, CBG.
- S740. ♀ Broodplate, Juv. (Small) and Adult.
- S741. ♂ Gn. II, ♀., Gn. I.
- S742. No other data, No.5 in collection.
- S743. Mouthparts, N. coast, Scotland, see Ann.Mag.Nat.Sci.[Sic] 14, 223, 1929.
- S744. ♀ Gn. I, II, smallish spec.
- S745. ♀ yy present.
- S746. ♀ Large, Gn. I, II.
- S747. ♀ Stoer Bay (with *T. saltator*) NB, Broodplates.
- S748. ♀ Leg V, Up. I.
- S749. ♀ yy present.
- S750. ♂ yn present.
- S751. ♀ Gns. I, II.
- S752. ♂ Gns. I, II not fully mature.
- S753. ♂ Gn. II, developing, 2 steps.
- S754. ♀ Ant. II, rather young specimen.
- S755. ♂ Gn. I, Leg V, Up. III.
- S756. ♀ Gn. II.
- S757. ♂ no other data.
- S758. ♂ Gn. I.
- S759. ♂ Ant. II, of 2 individuals from Durness, fully adult.

T. martensii (Weber, 1892)

- 116 a. Bahrein St. Adams.
- b. " " "
- c. " " "
- d. A1 no other data.
- e. A2 " " "
- f. A3 " " "
- g. B1 " " "

Talorchestia sp.

- S760. Bahrein, ♀ Ant. II, side view.
- S761. Bahrein, ♀ Gn. I, II.
- S762. Bahrein, Gn. I, Ant. II, Per. VII, Ep. II, III.
- S763. Bahrein, ♂ all Mouthparts.

- S764. Bahrein, ♂ Gn. II.
S765. Bahrein, ♂ Gn. II.
S766. Bahrein, ♂ part Ep., Up. III, Telson.

Talitridae Leach, 1814

undetermined material.

- S691. M.22, see spec.

THAUMATELSONIDAE Gurjanova, 1938

Thaumateson Walker, 1906

T. maculatus Reid ms.

- S767. no data.

HYPERIIDEA

ANCHYLOMERIDAE Bovallius, 1889

Anchylomera Milne-Edwards, 1830

A. blossomvillei Milne-Edwards, 1830

166 a. Atlantide Stn. 139.

Phrosina Risso, 1822

P. semilunata Risso, 1822

165 a. Atlantide Stn. 28.

BRACHYSCELIDAE Stephensen, 1923

Brachyscelus Bate, 1861

B. rapacoides Stephensen, 1925

174 a. Atlantide Stn. 85 [according to Report 3, spec. from Stn. 85 were
B. globiceps (Claus, 1879)].

S768. 141-2, ♂ [Atlantide].

S769. 141-2, ♂ [Atlantide].

S770. 141-2, ♀ [Atlantide].

HYPERIIDAE Dana, 1852

Euthemisto Bovallius, 1887

E. compressa Goes, 1865

171 a. Amongst Krill, Discovery Exp.

Hyperia Latreille, 1825

H. bengalensis (Giles, 1887)

S771. ♂ short Ant.

S772. ♂ long Ant.

H. galba (Montagu, 1813)

167 a. In giant jellyfish, Oldany Bay, 12:8:39.

b. In salmon nets, Stoer, -:8:37.

c. Gen. pouches, *Aurelia*, Falmouth.

S773. Slide No 21 in collection,
1 from S. coast, 1 from Stoer.

H. latissima Bovallius, 1889

168 a. Atlantide Stn. 28, [not recorded from this Stn. in Rep.]

b. Atlantide Stn. 52.

S774. Stn. 77, M. cf. schiz., Gn. I, II, Headparts.

H. schizogeneios Stebbing, 1888 (now *H. bengalensis* (Giles, 1887) see Reid, 1951)

- 169 a. Loc. unknown.
 b. Atlantide Stn. 89.
 c. Atlantide Stn. 105 [not recorded from this Stn. in Rep.]
S775. Stn. 91, ♂ cf. *latissima* slide. [Atlantide].

Hyperia sp.

- S776. no data.
S777. no data.

Parathemisto Boeck, 1870

P. oblivia (Kroeyer, 1838)

- 170 a. Firth of Forth.

OXYCEPHALIDAE Bate, 1862

Cranocephalus Bovallius, 1890

C. scleroticus (Streets, 1878)

FIGURED SLIDES

- S778. ♀ Stn. 30, Gns. I, II, Legs III-VII.
S779. ♀ Stn. 30, Sideplate 5.
[see Reid 1951, figs. 7b-g].

Leptocotis Streets, 1877

L. tenuirostris (Claus, 1871)

- 189 a. Atlantide Stn. 26 [not recorded from this Stn. in Rep.].

Rhabdosoma Adams & White, 1848

Rhabdosoma sp.

- S780. 113, Gn. I, II.

Simorhynchotus Stebbing, 1888

S. attenuarius (Claus, 1871)

- 188 a. No data. [probably Atlantide material, see Report 3, p. 28].

PARAPHRONIMIDAE Bovallius, 1887

Paraphronima Claus, 1879

P. crassipes Claus, 1879

FIGURED SLIDE

- S782. Leg VI, ♂ Stn. 27, Leg VI, ♀ Stn. 30.
[see Reid 1951, fig. 3.]

PARASCELIDAE Bovallius, 1887

Parascelus Claus, 1879

P. edwardsi Claus, 1879.

- 191 a. Atlantide Stn. 119.
b. Atlantide Stn. 67.

Thyropus Dana, 1852

T. sphaeroma (Claus, 1879)

- 190 a. Atlantide Stn. 139.
S781. ♀ ♀ Leg VI, of 1 small and 1 larger ♀ .

PHRONIMIDAE Dana, 1852

Phronima Latreille, 1802.

P. stebbingi Vosseler, 1900

- 172 a. Atlantide Stn. 11 [not recorded from this Stn. in Rep.]

- S783. Head (1).
S784. Head, Eye, Hand. otoliths (2)
S785. Head (3).
S786. [no data at all but appears to be one of this series.]
S787. Head (5).
S788. Head (6).
S789. [no data at all except (7) again probably part of this series.]

Phronima sp.

- S790. Stn. 26, 1 entire halved *Phronima*.
S791. Stn. 26, *Phronima* Juv.

Phronimella (Claus, 1871)

P. elongata Claus, 1862

- 173 a. Loc. unknown.
b. Atlantide Stn. 27.

PLATYSCELIDAE Stebbing, 1888

Amphithyrus Claus, 1879

A. bispinosus Claus, 1879

- 184 a. Atlantide Stn. 26.
b. Atlantide Stn. 26.

S792. (1) L.S.

S793. (2) L.S.

S794. (3) L.S.

Paratyphis Claus, 1879

P. maculatus Claus, 1879

- 183 a. Atlantide Stn. 27.
- b. Atlantide Stn. 33.
- c. Atlantide Stn. 24.

Platyscelus Bate, 1861

P. ovoides (Claus, 1879)

- 185 a. Atlantide Stn. 62.

P. serratulus Stebbing, 1888

- 186 a. Atlantide Stn. 26.
- S795. 26, ♂ various parts. [Atlantide].
- S796. 138, ♂ Leg VII of 2 specimens. [Atlantide].

Tetrathyris Claus, 1879

T. forcipatus Claus, 1879

- 187 a. Atlantide Stn. 134.

PRONOIDAE Claus, 1879

Eupronoe Claus, 1879

E. maculata Claus, 1879

- 175 a. Atlantide Stn. 26.

Sympronoe Stebbing, 1888

S. parva Claus, 1879

- 176 a. Atlantide Stn. 139 [not recorded from this Stn. in Rep.]

CAPRELLIDEA

CAPRELLIDAE Leach, 1814

Caprella Lamarck, 1801

C. acutifrons Latreille, 1816 (now *C. penantis* Leach, 1814 see McCain, 1970)

S797. ♀ source unknown.

S798. ♂ source unknown.

C. acutifrons var. *testudo* Mayer, 1903 (now *C. penantis* Leach, 1814 see McCain, 1970)

180 a. No data.

b. Atlantide Stn. No 166 (Horta, Fayal, Azores; 16:5:46). Tidal zone.
[this species not recorded in Rep.]

C. equilibra Say, 1818

181 a. Locality unknown.

C. septentrionalis var. *punctata* Stephensen, 1929 (now *C. septentrionalis* Kroeyer, 1838 see McCain, 1970)

182 a. On algae, on salmon float, Stoer.

Pariambus Stebbing, 1888

P. typicus (Kroeyer, 1844)

178 a. On *M. glacialis*, Eddystone, 27:3:39.

b. Dredge, 6f., Plymouth Sound, 19:4:38.

Phtisica Slabber, 1769

P. marina Slabber, 1769

177 a. Dredged off 'Salpa', Plymouth, 20:4:38.

Pseudoprotella Mayer, 1890

P. phasma (Montagu, 1804)

S799. Plymouth, Devon, November 1936.

P. phasma var. *typica* Mayer, 1890

179 a.] Dredge off 'Salpa', Plymouth, 20:4:38.

APPENDIX

ATLANTIDE SUPPLEMENTARY MATERIAL

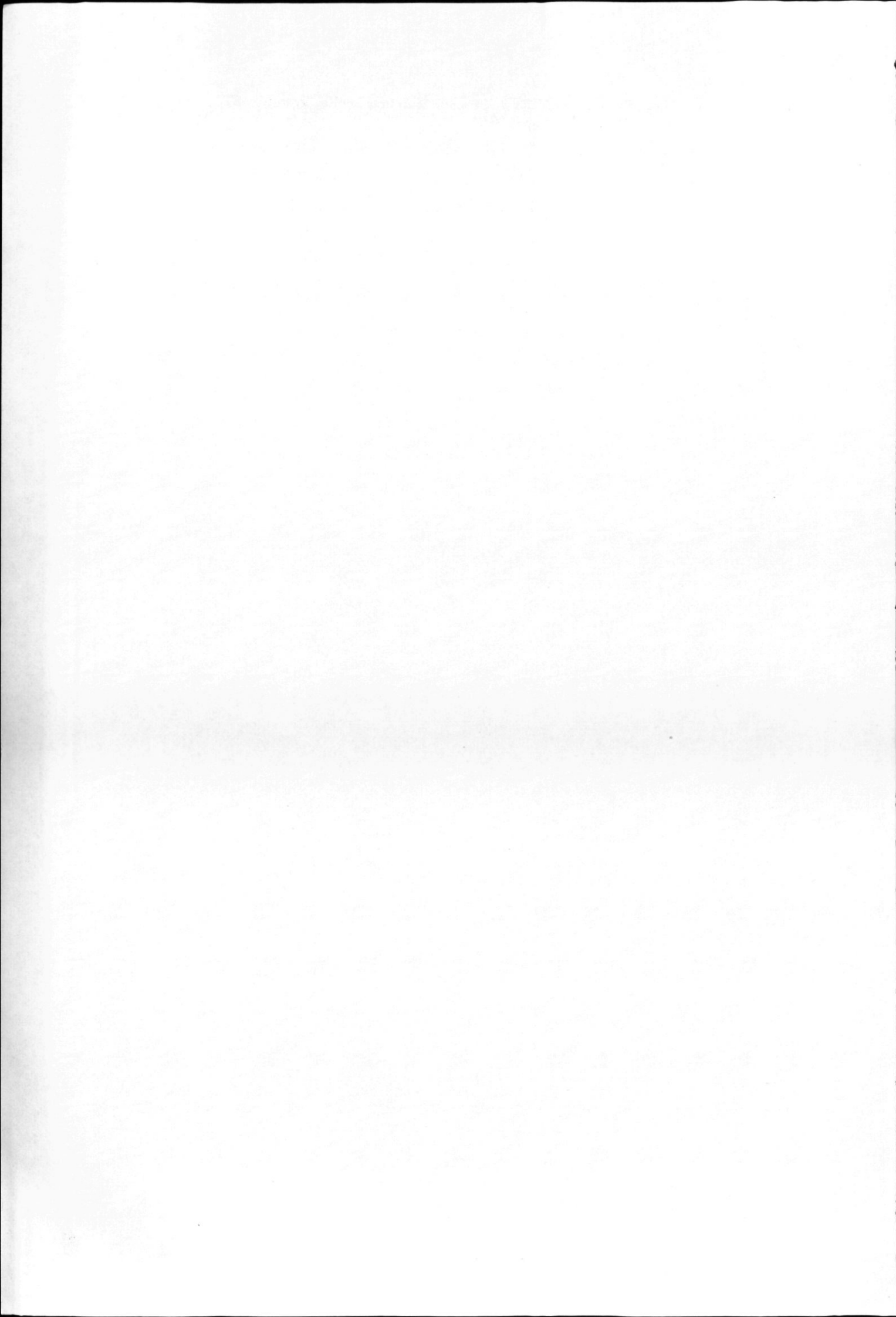
SPECIMENS UNDETERMINED

- 183
- a. Stn. 11, young specs.
 - b. Stn. 27.
 - c. Stn. 39C, Photid.
 - d. Stn. 39, 16°50'N, 25°04'W, 10:12:45, 14:40 hrs, forams, corals, 41-50M DT.
- 184
- a. Stn. 43-8, *Photis* ? *macrocarpa*.
 - b. Stn. 43, Praia, S Thiago, Cape Verde Is, 13:12:45, corals, 22M. *Photis*.
 - c. Stn. 44-3 *Photis*, ♀.
 - d. Stn. 44, 10°22'N, 16°22'W, 17:12:45. Br. sand, shells, 41-55M, ST.OT.DT. *Lysia*.
 - e. St. 44-5.
 - f. St. 45, 30-39M 9°23'N, 15°07'W, 18:12:45, 15-18 hrs, sand, OT.ST. Photid.
 - g. Stn. 45-6.
 - h. Stn. 49-3, ? *Podoceroopsis* sp.
 - i. Stn. 49-1B.
 - j. Stn. 49-2G.
- 185
- a. Stn. 52-1C.
 - b. Stn. 52-1D.
 - c. Stn. 52-1D.
 - d. Stn. 53-1B.
 - e. Stn. 53- date 6:1:46, time 21.30.
 - f. Stn. 54-2, 6°05'N, 10°25'W, 8:1:46, 7.10 hrs, sand, 22M, PG.
 - g. Stn. 60-1D.
 - h. Stn. 64, 4°20'N, 7°06'W, 11:1:46, 1400 hrs, VG.
 - i. Stn. 65, 4°24'N, 7°05'W, 11:1:46, 14.75 hrs, sand, VG.
 - j. Stn. 67, 4°29'N, 6°41'W, 11:1:46, 20.30 hrs - 21.30 hrs, S100.
 - k. Stn. 68-2D.
 - l. Stn. 69, Anchorage, Port Bonet, Cote Ivoire, 14:1:46, 10.20 hrs.
- 186
- a. Stn. 73-1C.
 - b. Stn. 73, 4°56'N, 1°40'W, 23:1:46, sand, 33M, VG. *Ampelisca*.
 - c. Stn. 75, 4°43'N, 1°41'W, 23:1:46, 1300 hrs, muddy sand, VG.
 - d. Stn. 75, 4°44'N, 1°36'W, 23:1:46, 16.20 hrs, muddy sand, DT, 46M.
 - e. Stn. 76, Lysian.

- f. Stn. 76, *Ampelisca*, extras.
 - g. Stn. 76, *Ampelisca latifrons*.
 - h. Stn. 77, " "
 - i. Stn. 77, Anchorage, Accra, 29:1:46, muddy sand, VG, 10M.
- 187
- a. Stn. 80, 5°33'N, 0°01'W, 29:1:46, 11.25 hrs, n.sp.
 - b. Stn. 82, *Platyscelus*, *Branchysc*, etc.
 - c. Stn. 85, Gammarids with Hyperids.
 - d. Stn. 85, 5°37'N, 0°38'E, 30:1:46, 1145-1615, mud, 28-40M OT.
 - e. Stn. 86-1, 5°45'N, 0°57'E, 31:1:46, 7.36 hrs, mud, DT 17M with small tube attached labelled 86:1, Ms. [males].
 - f. Stn. 97.
 - g. Stn. 97.
 - h. 110-1, Bonny R.op.Opobo Coast, soft grey mud, PG Depth 16M.
 - i. Stn. 122, 1°28'S, 8°50'E, 4:3:46, 2000 hrs, S.100.
 - j. Stn. 139, *Scina*, [Completely dried]
 - k. Stn. 139.
- 188.
- a. Stn. 141, off Freetown, Sierra Leone, 9:4:46, 11-16 hrs, sand, trawl, 15M.
 - b. Stn. 141, off Freetown, 15M, 9:4:46, 11-16 hrs, sand, trawl.
 - c. Stn. 141-3, broken spec, *Photis* etc.
 - d. Stn. 145. *Podoceropsis sophiae*.
 - e. Stn. 145-8B.
 - f. Stn. 145-10E, *Photis* sp.
 - g. Stn. 145-10A, *Microdeutopus* 2, ♀, broken.
 - h. Stn. 145-10G, Photidae broken & macerated.
- 189
- a. Stn. 146, 9°27'N, 14°48'W, 13:4:46, 1420-1500, shells, ST. 50-51M.
 - b. Stn. 146, 9°27'N, 14°48'W, 13:4:46, 1420-1610 hrs. Shells, forams, 50-51M, ST.OT. Photids broken spp.
 - c. Stn. 147, 9°28'N, 17°58'W, 14:4:46, 8.55-9.35, shells, forams, 45M, ST.
 - d. Stn. 147-6.
 - e. Stn. 147 data as (3).
 - f. Stn. 147 data as(3) Photids.
 - g. Stn. 148-11.
 - h. Stn. 148-13.
 - i. Stn. 148, 25M, 9°57'N, 15°22'W, 14:4:46, 1625-55, shells, hydroids, ST. *Elasmopus*.
 - j. Stn. 148, station data as above.

- 190.
- a. Stn. 151-5.
 - b. Stn. 151, 65M, 10°40'N, 16°44'W, 16:4:46, 8.55-9.35 coarse sand, ST.
 - c. Stn. 153, 72M, 10°79'N, 16°39'W, 16:4:46, 13.20-13.50 hrs, coarse sand, ST.
 - d. Stn. 153, 10°79'N, etc as above.
 - e. Stn. 153-21.
 - f. Stn. 153, data as (3).
 - g. Stn. 153, (3).
- 191
- a. Stn. 155-23, *Elasmopus*.
 - b. Stn. 155-17.
 - c. Stn. 155-26.
 - d. Stn. 155-1.
 - e. Stn. 155 Bathurst, Gambia, Bonny B., 2 tubes.
 - f. Stn. 155, " " Faraway, Bonny 28:9:45.
 - g. Stn. 155, " " 1946, bottoms of ships and buoys, 4th tube, containing *Podoceros*, *Stenothoe*, ? *Corophium*.
 - h. Stn. 155, Bathurst, Gambia, 22:10:45, scrapings from bottom of ship and buoys. 6 ft. gear, 3rd tube.
 - i. Stn. 155, Bathurst, Gambia, 28:9:45, from bottom of ship and buoys. 5th tube, *Elasmopus*, *Jassa*, *Stenothoe*, ? *Erichthonius*.
 - j. Stn. 155, Bathurst, Gambia, 28:10:45, bottom of ship and buoys. Most of the Amph. in bushes of hydroids like these, Small and broken spec of *Podoceros*, *Stenothoe*, *Erichthonius*, *Elasmopus*.
- 192
- a. Stn. 156, off Bathurst, bluish mud, PG.
 - b. Stn. 157, Dp 55-80M, 11°57'N, 17°17'W, 17:4:46, 11.17 hrs. Bluish mud, ST.OT.
 - c. 161-3.
 - d. 161-7G.
 - e. 161-6. *Podoceros*
 - f. 161-9. Lysian.
 - g. Stn. 161, Dp 18M, off Bathurst, Gambia, 24:4:46. 13-1700 hrs, v. fine sand, DT.OT [would appear to contain no spec].
 - h. Stn. 161, off Bathurst, Gambia, 24:4:46, 1300-1700 hrs. v. fine sand, Dp. 18M, DT.OT. 3rd tube.
 - i. 161-3B.
- 193
- a. Stn. 163, 13°43'N, 17°23'W, 25:4:46, 1000-1130 hrs, Dp 65-89M, ST.OT.
 - b. Stn. 163, 13°43'N, 17°23'W, 25:4:46, 1000-1130 hrs. ST.OT.
 - c. Stn. 166, Ayorerne, 16:5:46. Surf coast.

- d. Stn. 148, 9°57'N, 15°22'W, 14:46, 1625 hrs, shells, hydroids, ST.
Dp. 25M, [no spec. apparent]
- e. No Stn. No., Phot.



LUND UNIVERSITY CHILE EXPEDITION SUPPLEMENTARY MATERIAL

SPECIMENS UNDETERMINED all specimens completely dried out.

- 194
- a. *A.*, *Atyloides*, M.116A, Ant. 1, II, Ep. III
 - b. M.43.A., damaged.
 - c. M.115, Z.2., 4:5:49, toothed.
 - d. M.71.III, 21:2:49, *Hyalae*.
 - e. M.113.A, II, Zone I, 2:5:49.
 - f. *longipes*, M.16.E.
 - g. M.113.A, IV.
 - h. M.145.A, *Ampelisca*, Juv.
 - i. M.115, Amp. 7, 4:5:49, Leg., E.D.
 - j. M.148.A, 16:7:49, ? Eusiridae.
 - k. M.41.A, Metopidae mixed Juvs.
 - j. M.45.A. *A. rostrata*.
 - m. *Anonyx nugax* Phipps.

LUND CHILE EXPEDITION 1948-1949

Since Reid was working on the Amphipoda Report at the time of his death, this work is as yet unpublished and the new generic and species names shown on this list have of course no taxonomic value.

It may serve however to give an indication of the wealth of new species which were returned from this expedition.

The bulk of the expedition material is held at Lund University.

Ampeliscidae	Stn	Page
<i>Ampelisca composita</i>	M16 E	1
<i>A. eschrichti</i>	M16 E	2
<i>A. miserabilis</i> n. sp	M16 E	2
<i>A. rostrata</i>	M16 E	2
<i>A. sp</i>	M17, M20, M107B, M145A, M18	2
Colomastigidae		
<i>Colomastix brazieri</i>	M92, M147 A	7
Haustoriidae		
<i>Urothoe falcata</i>	M16 E	26
Liljeborgiidae		
<i>Liljeborgia alba</i> n. sp	M144A	34
<i>L. kinahani</i> var <i>caecus</i> n. var	-	35
Lysianassidae		
<i>Amaryllis macrophthalma</i>	M42 A	35
<i>Aristias antarcticus</i>	M42A, M28	35
<i>Lepedepecreon</i> sp.	M145A	36
<i>Lepidecreata erikdahli</i> n. sp	M16 E	36
<i>Lepidepecreoides serrata</i> n. sp	M70A	36
<i>L. xenopus</i>	M145A	36
<i>Lepidicreon leptocephalus</i> n. sp	M56	36
<i>Orchomenella cavimanus</i>	M16 D	37
<i>O. plicata</i>	M17, M20, M16 D	37
<i>Orchomenopsis</i> sp	M16 D	37
<i>Parawaldeckia</i> sp	M113, M9 D	37
<i>Tryphosella castellata</i> n. sp	M40 A	38
<i>T. sp</i>	M147 A	38
<i>Waldeckia dahli</i> n. sp	M56	39
Oedicerotidae		
<i>Monoculodes valentini</i> n. sp	M19	39
<i>Oediceroides cystifera</i>	M16 E	40
<i>O. unidentata</i> n. sp	M29	40
Phoxocephalidae		
<i>Harpinia bratstromi</i> n. sp	M16 E	41
<i>H. plana</i> n. sp	M137 A, M38	41
<i>H. sp</i>	M147 A	41
<i>Harpiniella</i> sp	M16 E, M20	42
<i>Harpiniopsis</i> sp	M45 A	42
<i>Intraharpinia minuta</i> n. sp	M20	42
<i>Leptophoxus atomicus</i> n. sp	M38	42
<i>Metaphoxus antarcticus</i> n. sp	M41 A	42
<i>Metharpinia videns</i> n. sp	M64 B	43
<i>Parharpinia fuegiensis</i>	M64 B, M43 A	43
<i>P. uncinata</i> n. sp	M147 A, M148 A	43
<i>P. villosa</i>	M60, M63	43
<i>Phoxocephalus induratus</i> n. sp	M115	43
<i>P. quadrimanus</i> n. sp	M38, M147 A	43
<i>Pseudharpinia haustromi</i> n. sp	M38	44
<i>P. sp</i>	M38	44

Pontogeneiidae = Eusiridae

Pontogeneia gracilicauda M115 11

Stegocephalidae

Andaniotes linearis M42A 44

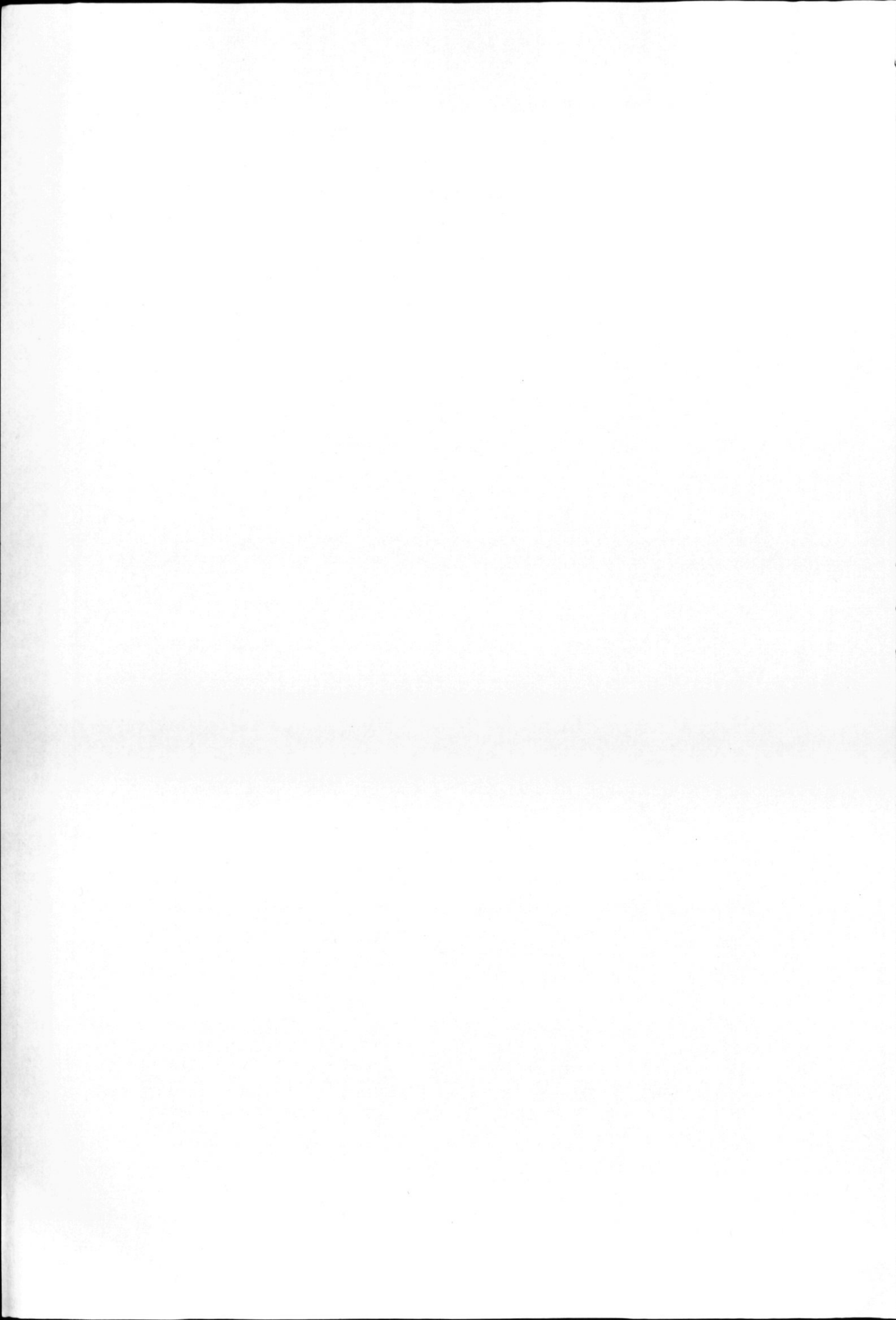
Stenothoidae

Metopoides parvimanus n. sp M41A 45

Prometopa tuberculata M42A 45

Stenothoe yanezi n. sp M40A 45

Further material will be found listed on page 63

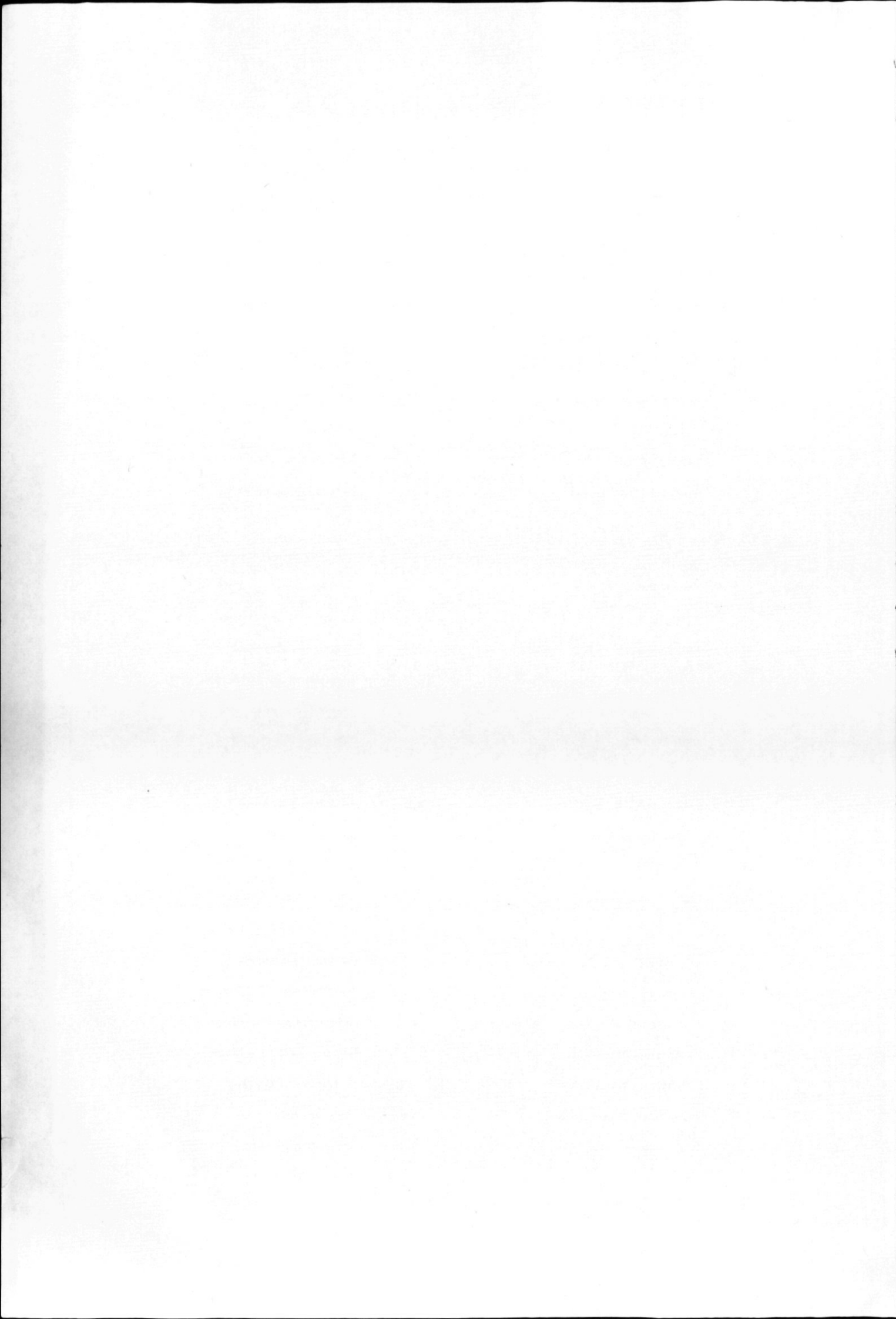


FAMILY UNCERTAIN

104

Ridleya centura n. gen. et sp. nov. Reid mss.

1. WAFRI, Tube 4, Stn. 5.



INDEX TO GENERA AND SPECIES

ms. = manuscript name

	Page		Page
abyssorum, Orchomenella	37	assimilis, Paramphithoe	40
acherusicum, Corophium	8	atlantica, Stenopleura	7
acutifrons, Caprella	56	atlanticus, Eurystheus	40
acutifrons var. testudo, Caprella	56	atlantidea, Aora	4
aequicornis var. verga, Ampelisca	1	ms. atomicus, Leptopoxus	42
ms. aequitoris, Scopelocheiropsis	38	attennarius, Simorhynchotus	53
ms. africanus, Cleonardo	11	Atyloides	63
ms. alba, Liljeborgia	34	Atylus	5
Allorchestes	26	audouiniana, Perrierella	37
alluaudi, Talitroides	48	averus, Eurystheus	41
Amaryllis	35		
Ampelisca	1, 58, 59, 63	ms. barnardi, Parawaldeckia	37
Amphithyrus	54	Bathyporeia	25
Ampithoe	3	bengalensis, Hyperia	52, 53
Anchylomera	52	bispinosa, Apherusa	6
Andaniotes	44	bispinosus, Amphithyrus	54
angulosus, Gammarellus	12	blossvillei, Anchylomera	52
Anonyx	35, 63	boeckii, Parandania	44
anonyx, Cyphocaris	35	bonelli, Corophium	8
antarctica, Polycheira	10	bottae, Orchestia	46
antarcticus, Aristias	35	Brachyscelus	52, 59
ms. antarcticus, Metapoxus	42	brasiliensis, Elasmopus	12
antennaria, Harpinia	41	brasiliensis, Podoceros	44
Aora	4	ms. bratstromi, Harpinia	41
Apherusa	6	brazieri, Colomastix	7
aquilex, Niphargus	23	brasiliensis, Ericthonius	9
aquilex schellenbergi, Niphargus	23	brevicornis, Ampelisca	1
arenarium, Corophium	8	brevicornis, Liljeborgia	34
arenarius, Haustorius	25	brevicornis, Urothoe	26
arenarius, Pontocrates	40	Brevitalitrus	48
Argissa	5	brito, Talorchestia	49
Aristias	35	bruuni, Tmetonyx	38
ascensionis, Maera	21		

	Page		Page
ms. caecus, kinahani var. Liljeborgia	35	Cymadusa	3
Calliopioides	6, 7	Cyphocaris	35
Caprella	56	cystifera, Oediceroides	40
Carinogammarus	11		
ms. castellata, Tryphosella	38	ms. dahli, Waldeckia	39
cattai, Stenothoe	45	damnoniensis, Microdeutopus	5
cavimana, Orchestia	46	delebecquei, Gammarus	13
cavimanus, Orchomenella	37	dellavallei, Siphonoecetes	10
ms. centura, Riddleia	67	dentex, Jassa	30
ceratina, Lysianassa	36	denticulatus, Hippomedon	35
challengeri, Cyphocaris	35	dentitelson, Leucothoe	34
Cheirocratus	11	deshayesi, Talorchestia	50
chelifer, Microdeutopus	5	Dexamine	10
Chelura	7	diadema, Ampelisca	2
chevreuxi, Gammarus	13	duebeni, Gammarus	13
cicada, Tmetonyx	38		
cirrus, Apherusa	6	edwardsi, Parascelus	54
Cleonardo	11	Elasmopus	12, 59, 60
Colomastix	7	elegans, Urothoe	26
composita, Ampelisca	1	elmhirsti, Isaea	29
compressa, Euthemisto	52	elongata, Phronimella	54
Coremapus	4	Epimeria	40
comigera, Epimeria	40	equilibra, Caprella	56
Corophium	8, 60	Erichthonius	9, 60
Crangonyx	12	ms. erikdahli, Lepidecreata	36
Craniocephalus	53	erythrophthalmus, Socarnes	38
crassicorne, Corophium	8	eschrichti, Ampelisca	2
crassicornis, Grubia	3	Eucrangonyx	12
crassipes, Paraphronima	53	Eupronoe	55
crenatus, Scopelocheiropsis	38	Eurystheus	40
crenulata, Harpinia	41	Eusiropsis	11
crenulatus, Calliopioides	6	Euthemisto	52
ctenopus, Ampelisca	1		
cumbrensis, Microjassa	33	falcata, Jassa	30, 31
Cyclocaris	35	falcata, Urothoe	26

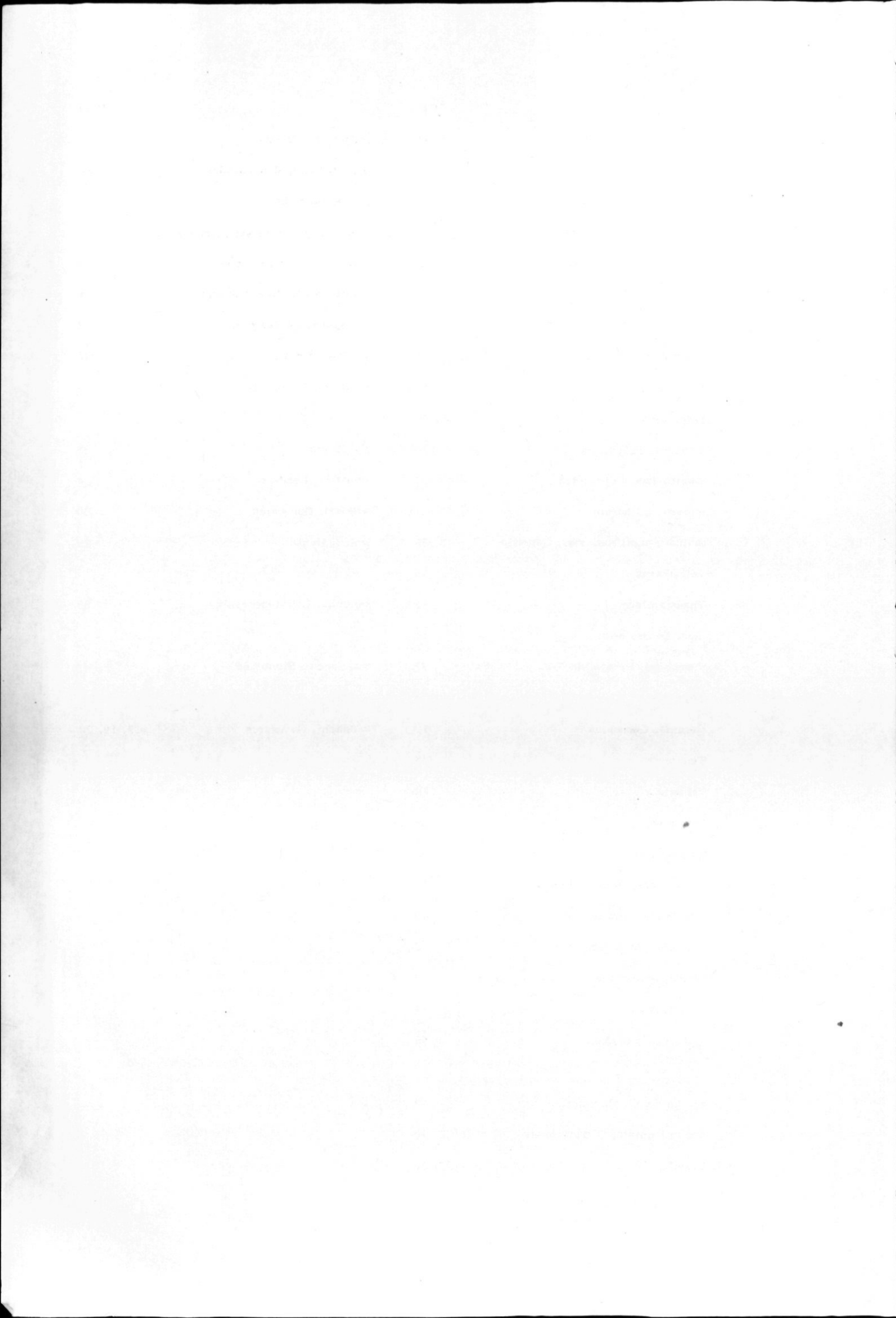
	Page		Page
falcatus, Nototropis	5	Haploops	2
fasciatus, Gammarus	15	Harpinia	41, 42
faurei, Cyphocaris	35	ms. Harpiniella	42
ferox, Pleonexes	3	Harpiniopsis	42
finmarchicus, Gammarus	15	Haustorius	25
finmarchicus, Marinogammarus	15	ms. haustromi, Pseudharpinia	44
fontanus, Niphargus	23	hergensis, Melita	22
forcipatus, Tetrathyrus	55	heterodactyla, Ampelisca	2
fossarum, Gammarus	15, 19	Hippomedon	35
fresnelli, Melita	22	hirondellei, Maera	21
fucicola, Pherusa	25	hirsutimanus, Eurystheus	41
fuegiensis, Parharpinia	43	hirsutimanus, Leptocheirus	4
		hirtipalma, Hyale	27
galba, Hyperia	52	holbolli, Phoxocephalus	43
gallensis, Stenothoe	45	homari, Gammarellus	12
Gammarella	24	hopei, Scopelocheiropsis	38
Gammarellus	12	hortulanus, Talitroides	48
gammarellus, Orchestia	46	humilis, Orchomene	36
gammaroides, Pleonexes	3	Hyale	26, 29, 63
Gammaropsis	40	Hyperia	52, 53
Gammarus	13, 20		
gibbosa, Tritaeta	10	inaequipes, Maera	21
Gitana	3	incisa, Leucothoe	34
gladiosa, Melita	22	ms. induratus, Phoxocephalus	43
globiceps, Brachyscelus	52	ingens, Jassa	31
goesi, Nannonyx	36	insidiosum, Corophium	9
gracilicauda, Pontogeneia	11	ms. Intraharpinia	42
gracilis, Eucrangonyx	12	Iphimedia	1
grandicornis, Hyale	27	Isaea	29
grimaldi, Hyale	27		
grimaldi, Urothoe	26	jahri, Ampelisca	2
grossimana, Maera	21	Jassa	30, 32, 60
Grubia	3	jurenei, Apherusa	6
guilliamsoniana, Bathyporeia	25		
guttatus, Nototropis	5	ms. kinahani var caecus, Liljeborgia	35

	<i>Page</i>		<i>Page</i>
kochianus, Niphargus	24	maculatus, Microprotopus	29
kraemmeri, Lembopsis	5	maculatus, Paratyphis	55
kraemmeri, Microdeutopus	5	ms. maculatus, Thaumatelson	51
		Maera	21
lacustris, Gammarus	15	ms. margarita, Cyclocaris	35
Laetmatophilus	44	marina, Urothoe	26
laeviusculus, Calliopius	6	marina, Phtisica	56
Lafystius	34	Marinogammarus	21
latipes, Stenothoides	45	marinus, Gammarus	16
latissima, Hyperia	52	marinus, Marinogammarus	16
Lembopsis	5	martensii, Talorchestia	50
Lembos	4	media, Hyale	27
leone, Urothoe	26	mediterranea, Orchestia	46
ms. Lepedepecreon	36	Melita	21, 23
ms. Lepidecreata	36	Metaphoxus	42
Lepidepecreoides	36	Metharpinia	43
ms. Lepidicreon	36	Metopoides	45
ms. leptocephalus, Lepidicreon	36	Microdeutopus	4, 5, 59
Leptocheirus	4	Microjassa	33
Leptocotis	53	Microprotopus	29
Leptophoxus	42	minus, Gammarus	16
Leucothoe	34	minuta, Intraharpinia	42
Liljeborgia	34	minuta, Panoploea	1
linearis, Andaniotes	44	ms. miserabilis, Ampelisca	2
litoralis, Pseudalibrotus	38	Monoculodes	39
locusta, Gammarus	15	monoculoides, Stenothoe	45
longicarpus, Eurystheus	41	montagui, Isaea	29
longicaudata, Photis	29		
longimanus, Periculodes	40	nana, Orchomenella	37
Lysianassa	36	Nannonyx	36
		nanoides, Tryphosa	38
macrocarpa, Photis	58	nilssoni, Hyale	27
macrophthalma, Amaryllis	35	Niphargus	23
maculata, Eupronoe	55	nitida, Orchestia	47
maculatus, Eurystheus	41	nitida, Podocerospis	30

	Page		Page
norvegicus, Pontocrates	40	Parawaldeckia	37
Nototropis	5	Parharpinia	43
nugax, Anonyx	35, 63	Pariambus	56
		parva, Symprone	55
obesa, Iphimedia	1	ms. parvimanus, Metopoides	45
oblivia, Parathemisto	53	Pectenogammarus	24
obtusata, Melita	23	pectinatus, Leptocheirus	5
obtusatus, Gammarus	16	pectinicus, Elasmopus	12
obtusatus, Marinogammarus	16	pelagica, Bathyporeia	25
ochlos, Gammarus	17, 19	pelagica, Parajassa	33
ocia, Jassa	32	pelagica, Sunamphitoe	4
Oediceroides	40	pellucida, Melita	23
olivii, Gammarus	17	penantis, Caprella	56
olivii, Marinogammarus	17	perieri, Hyale	28
Onisimus	37	Periocolodes	40
Orchestia	46, 47	Perrierella	37
Orchestoidea	48	phasma, Pseudoprotella	56
Orchomene	36, 37	phasma var. typica, Pseudoprotella	56
Orchomenella	37	Pherusa	24
Orchomenopsis	37	Photis	29, 58, 59
othonis, Maera	21	Phoxocephalus	43
ovoides, Platyscelus	55	Phronima	54
		Phronimella	54
pacificus, Eurystheus	41	Phrosina	52
palmata, Melita	23	Phtisica	56
Panoploea	1	pilosa, Bathyporeia	25
Parajassa	33	pilosus, Leptocheirus	5
Paramphithoe	40	pirloti, Gammarus	17
Parandania	44	pirloti, Marinogammarus	17
Paraphoxus	43	ms. plana, Harpinia	41
Paraphronima	53	planicrurus, Pectenogammarus	24
Parapleustes	40	platensis, Orchestia	47
Parascelus	54	Platyscelus	55, 59
Parathemisto	53	Pleonexes	3
Paratyphis	55	plicata, Orchomenella	37

	<i>Page</i>		<i>Page</i>
plumosa, Harpinia	42	rostrata, Ampelisca	2, 63
pocillimanus, Elasmopus	12	rubricata, Ampithoe	3
Podoceropsis	29, 58, 59, 60		
Podoceros	44, 60	saltator, Talitrus	49
Polycheira	10	sarsi, Gammarus	19
pontica, Hyale	28	sarsi, Gitana	3
Pontocrates	40	schizogeneios, Hyperia	53
Pontogeneia	11	schmidti, Hyale	29
Prometopa	45	Scina	59
Pseudalibrotus	37	scleroticus, Cranocephalus	53
Pseudharpinia	44	Scopelocheiropsis	38
Pseudoprotella	56	semilunata, Phrosina	52
pulchella, Jassa	32	septentrionalis, Caprella	56
pulchella, Urothoe	26	septentrionalis var. punctata, Caprella	56
pulex, Gammarus	13, 17	ms. serrata, Lepidepcreoides	36
pulex fossarum, Gammarus	19	serratulus, Platyscelus	55
ms. pulex germanica, Gammarus	19	sextoni, Corophium	9
ms. pulexoides, Gammarus	19	Simorhynchotus	53
punctata, septentrionalis var., Caprella	56	simplex, Maera	21
pungens, Gammarus	19	simplex, Pontogeneia	11
purus, Laetmatophilus	44	Siphonocetes	10
pusilla, Colomastix	7	Socarnes	38
		sophiae, Podoceropsis	30, 59
ms. quadrimanus, Phoxocephalus	43	sphaeroma, Thyropus	54
		spinicarpa, Leucothoe	34
ramalhoi, Hyale	28	spinidactyla, Hyale	29
ramondi, Ampithoe	3	spinimana, Ampelisca	2
rapacoides, Brachyscelus	52	spinipes, Ampelisca	2
rapax, Elasmopus	12	spinosa, Dexamine	10
rathkei, Calliopius	7	stebbingi, Argissa	5
Rhabdosoma	53	stebbingi, Phronima	54
ms. Ridleia	67	Stenopleura	7
riisei, Eusiropsis	11	Stenothoe	45, 60
robertsoni, Bathyporeia	25	Stenothoides	45
roeslei, Carinogammarus	11	stoerensis, Marinogammarus	21

	Page		Page
sturionis, Lafystius	34	vaillanti, Ampithoe	3
Sunamphitoe	4	ms. valentini, Monoculodes	39
sundevallei, Cheirocratus	11	valida, Stenothoe	45
swammerdami, Nototropis	5	verga, aequicornis var., Ampelisca	1
sylvaticus, Talitroides	48	versiculatus, Coremapus	4
Symproneo	55	versiculatus, Microdeutopus	4
		ms. videns, Metharpinia	43
Talitroides	48	villosa, Parharpinia	43
Talitrus	48, 49	volutator, Corophium	9
Talorchestia	49, 50		
tenuipes, Polytheira	10	Waldeckia	38
tenuirostris, Leptocotis	53	websteri, Lembos	4
terebrans, Chelura	7	wilkitzi, Gammarus	20
testudo, acutifrons var., Caprella	56	wolfii, Hyale	29
Tetrathyrus	55		
Thaumatelson	51	xenopus, Lepidepcreoides	36
thea, Dexamine	10		
thompsoni, Parawaldeckia	37	ms. yanezi, Stenothoe	45
Thyropus	54		
tigrinus, Gammarus	19	zaddachi, Gammarus	17, 19, 20
Tmetonyx	38		
Tritaeta	10		
Tryphosa	38		
Tryphosella	38		
tuberculata, Orchestoidea	48		
tuberculata, Prometopa	45		
tubicola, Haploops	3		
typica, Ampelisca	2		
typica, Aora	4		
typicus, Pariambus	56		
ms. uncinata, Parharpinia	43		
ms. unidentata, Oedeceroides	40		
Urothoe	25, 26		



- Barnard J.L. 1955 Gammaridean Amphipoda (Crustacea) in the collections of Bishop Museum.
Bull. Bernice P. Bishop Mus., 215: 1-46, pls. 1-20.
- 1956 Two rare Amphipods from California with notes on the genus *Atylus*.
Bull. Stn. Calif. Acad. Sci., 55: 35-43, pls. 12-14.
- 1957 A new genus of Phoxocephalid Amphipod (Crustacea) from Africa, India and California.
Ann. Mag. nat. Hist., (12) 10: 432-438, figs. 1-4.
- 1969 The Families and Genera of Marine Gammaridean Amphipoda.
Bull. U.S. natn. Mus. 271: 1-535, 173 figs.
- Bousfield E.L. 1958 Freshwater Amphipod Crustaceans of glaciated North America.
Canad.Fld Nat. 72: 55-113.
- 1971 Amphipoda of the Bismarck Archipelago and adjacent Indo-Pacific islands (Crustacea).
Steenstrupia 1 No 23: 255-293, 20 figs.
- Chilton C. 1912 The Amphipoda of the Scottish National Antarctic Expedition.
Trans. R. Soc. Edinb., 48, (2), (23): 455-520, pls. 1-2.
- Goes A.T. 1865 Crustacea Amphipoda maris Spetsbergiam alluentis, cum speciebus aliis arcticis enumerata.
Afvers. K. Vetenskakad Forh., 22: 517-536, pls 35-41.
- Gurjanova E. 1951 Bokoplavy morej SSSR. i sopredel, nykh vod (Amphipoda Gammaridea).
Opred. Faunas SSR., 41: 1-1029, figs. 1-705.
- McCain J.C. & Steinberg J.E. 1970 Crustaceorum Catalogus, Part 2, Amphipoda 1, Caprellidea 1, pp. 1-78, The Hague.
- Myers A.A. 1968 Aoridae (Amphipoda-Gammaridea) collected by the yacht 'Chazalie' in tropical waters.
Bull. Mus. natn. Hist. nat. Paris, (2), 39, (6): 1172-1176, figs. 1-2.
- 1969 A revision of the Amphipod genus *Microdeutopus* Costa (Gammaridea : Aoridae).
Bull. Br. Mus. nat. Hist. (Zool) 17, (4): 93-148, figs. 1-22, 1 pl.
- Pirlot J.M. 1938 Les Amphipodes de l'expédition du Siboga, deuxième partie. Les Amphipodes Gammarides, 3. Les Amphipodes Littoraux 2. Families des *Dexaminidae*, *Talitridae*, *Aoridae*, *Photidae*, *Amphithoidae*, *Corophidae*, *Jassidae*, *Cheluridae* et *Podoceridae*.
Siboga Exped. Monograph. 33f: 329-359, figs. 147-161.
- Reid D.M. 1951 Report on the Amphipoda (Gammaridea and Caprellidea) of the coast of tropical West Africa.
Atlantide Report 2: 189-291, figs. 1-58.
- Ruffo S. 1947 Studi sui Crostacei Anfipodi 13, sulle specie mediterranee de gen. *Cymadusa*, Savigny.
Atti Soc. ital. Sci. nat., 86, (3-4): 167-177, figs.
- Schellenberg A. 1937 Die Amphipodgattungen um *Crangonyx*, ihre Verbreitung und ihre Arten.
Mittl. zool. Mus. Berl. 22: 31-43.

- 1937a Schlüssel und Diagnosen der dem Süßwasser *Gammarus* nahestehen den Einheiten ausschliesslich der Arten des Baikalsees und Australiens.
Zool. Anz. **117**: 267-280, figs. 1-4.
- 1940 Lebt am Flakensee bei Berlin der Flohkrebs *Orchestia bottae* M. Edw. oder *O. cavinmana* Heller?
Zool. Anz. **130** (7/8): 207.
- 1942 Die Tierwelt Deutschlands.
Krebstiere oder Crustacea; IV, Flohkrebse oder Amphipoda.
Jena. 1-252, figs. 1-204.
- Segerstrale S.G. 1947 New observations on the distribution and morphology of the Amphipod; *Gammarus zaddachi* Sexton, with notes on related species.
J. mar. biol. Ass. U.K. **27**: 219-244.
- Sexton E.W. & Reid D.M. 1951 The Life-History of the multiform species *Jassa falcata* (Montagu) with a review of the bibliography of the species.
J. Linn. Soc. (Zool.), **42**, 29-91, 30 pls.
- Sexton E.W. & Spooner G.M. 1940 An account of *Marinogammarus* (Schellenberg) gen. nov. (Amphipoda) with a description of a new species, *M. pirloti*.
J. mar. biol. Ass. U.K., **24**: 633-682, pl. 4, figs. 1-11.
- Stebbing T.R.R. 1906 Amphipoda 1, *Das Tierreich*, **21**: 1-806, figs. 1-127.
- Straskraba M. 1962 Amphipoden der Tschechoslowakei nach den Sammlungen von Prof Hrabe 1. *Mém. Soc. zool. tchécosl.*, **26**: 117-145, figs. 1-2.

ROYAL SCOTTISH MUSEUM INFORMATION SERIES

The Information Series is issued free. Any *bona fide* demand for parts of the series from institutions, libraries, or individuals will be considered subject to availability. Exchange publications from institutions would be welcome. Applications should be sent to:

The Librarian
Royal Scottish Museum
Chambers Street
Edinburgh
EH1 1JF

OTHER TITLES IN THIS SERIES

- | | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| GEOLOGY 1 DECEMBER 1970 | A catalogue of fossil vertebrates in the Royal Scottish Museum, Edinburgh. Part One/Actinopterygii. I G C Henrichsen. |
| GEOLOGY 2 AUGUST 1971 | A catalogue of fossil vertebrates in the Royal Scottish Museum, Edinburgh. Part Two/Agnatha. I G C Henrichsen. |
| GEOLOGY 3 AUGUST 1972 | A catalogue of fossil vertebrates in the Royal Scottish Museum, Edinburgh. Part Three/Actinistia and Dipnoi. I G C Henrichsen. |
| GEOLOGY 4 DECEMBER 1972 | A catalogue of Carboniferous Corals in the Royal Scottish Museum, Edinburgh. Zoantharia. I F Sime. |
| TECHNOLOGY 1 (In press) | Scottish Scientific Instrument Makers 1600-1900. D J Bryden. |

