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THE FOOD OF TROUT IN NEW SOUTH WALES*

1938-1940.

By (THE LATE) KEITH C. MCKEOWN.

STOMACH CONTENTS OF BROWN TROUT.

(*Salmo trutta* Linne.)

Delegate River.

- No. 1.—? sex, Weight $1\frac{3}{4}$ lb. ; Length, 16 in. ; Date, 2/March, 1940 ; Time, 7 p.m. ; Fly : Royal Coachman. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : 1 large Anisopterid dragonfly (red), 2 stick Caddis cases, 1 winged Ant (*Iridomyrmex*).
- No. 2.—? sex, $1\frac{1}{2}$ lb. ; $15\frac{1}{2}$ in. ; 12/March, 1940 ; 6 p.m. ; Fly : Teal and Red. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : 1 large Anisopterid dragonfly (red).
- No. 3.—? sex, $\frac{3}{4}$ lb. ; $13\frac{3}{4}$ in. ; 18/March, 1940 ; 6.15 p.m. ; Fly : Teal and Red. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : very small quantity finely divided and unidentifiable insect remains.
- No. 4.—? sex, 1 lb. ; $13\frac{1}{2}$ in. ; 20/March, 1940 ; Fly : Teal and Red. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : 1 beetle (*Bolboceras* sp.), 1 beetle (? *Tenebrionidae*) remains, remains of moth, 1 sand Caddis case.
- No. 5.—? sex, $1\frac{3}{4}$ lb. ; 15 in. ; 23/April, 1940 ; Time ? ; Fly : Black Gnat. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : empty.
- No. 6.—? sex, $\frac{3}{4}$ lb. ; $13\frac{1}{2}$ in. ; 23/April, 1940 ; Time ? ; Fly : Black Gnat. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : 2,300 winged ants (*Iridomyrmex*), 3 small Scarabaeid beetles.
- No. 7.—? sex, 3 lb. 3 oz. ; 22 in. ; 24/April, 1940 ; 5.15 p.m. ; Fly : Bugong Moth No. 4. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents : 1 grasshopper (? gen. et sp.), 2 stick Caddis cases, remains of winged ants.

Kydra River.

- No. 8.—Sex ♀ ; 1 lb. ; 28/October, 1939 ; 6 p.m. ; Fly : Red West. Collected by Mr. J. D. Gaden, from Monaro District Acclimatisation Society, Cooma. Contents : 1 Pentatomid bug (remains), 1 *Heteronyx*, small quantity insect remains, charcoal dust.
- No. 9.—Sex ♀ ; 2 lb. ; 2/December, 1939 ; 2.45 p.m. ; Fly : Red Ant. Collected by Mr. W. T. Brady (?), from Monaro District Acclimatisation Society, Cooma. Contents : 3 *Diphucephala* sp., 5 *Heteronyx* sp., 2 grasshoppers (? sp. immature), 2 stick Caddis cases, 3 sand Caddis cases, quantity finely divided insect remains.
- No. 10.—Sex ♀ ; 1 lb. ; 2/December, 1939 ; 4.45 p.m. ; Fly : Smart's Red-tail. Collected by Mr. W. J. Forbes, from Monaro District Acclimatisation Society, Cooma. Contents : empty.

* This continuation of the series of papers on the Food of Trout was arranged for publication by Mr. G. P. Whitley, from notes left by Mr. McKeown. The previous paper appeared in REC. AUST. MUSEUM, xx, 1, 1937 : 38.

Fish River, Tarana.

- No. 11.—? sex, $\frac{3}{4}$ lb.; Length ?; 24/December, 1938; Time p.m.; Fly: Black Spinner. *Note*: water low, weather hot and clear. Collected by Mr. Les. Richards. Contents: 4 Cicadas (*Psaltoda moerens*), 1 grasshopper (immature).
- No. 12.—? sex, $\frac{1}{2}$ lb.; Length ?; 24/December, 1938; Time p.m.; Fly: Black Spinner. Collected by Mr. Les. Richards. Contents: 1 Crayfish (*Parachaeraps bicarinatus*), remains of grasshoppers.
- No. 13.—? sex, $\frac{1}{2}$ lb.; Length ?; 24/December, 1938; Time p.m.; Fly: Black Spinner. *Note*: water low, weather hot and clear. Collected by Mr. Les. Richards. Contents: remains of unidentifiable beetle.
- No. 14.—? sex, $\frac{3}{4}$ lb.; 13 in.; 25/December, 1938; noon; Fly: Black Spinner. *Note*: fine and hot. Collected by Mr. Les. Richards. Contents: 5 Cicadas (*Psaltoda moerens*) and remains of others.
- No. 15.—Sex ♀; $\frac{1}{2}$ lb.; 12 in.; 25/December, 1938; noon; Fly: Black Spinner. Collected by Mr. E. G. Garrett. Contents: 1 Cicada (*Psaltoda moerens*).
- No. 16.—Sex ♀; $\frac{3}{4}$ lb.; 12 $\frac{1}{2}$ in.; 26/December, 1938; noon; Fly: Red Tag Palmer. *Note*: weather fine and hot. Collected by Mr. E. G. Garrett. Contents: 2 grasshoppers (immature), remains of one large unidentifiable beetle.
- No. 17.—Sex ♀; $\frac{1}{2}$ lb.; 11 in.; 26/December, 1938; noon; Fly: Red Tag Palmer. Collected by Mr. E. G. Garrett. Contents: 1 Anisopterid nymph, remains of Pentatomid bug, 3 *Gerris*.
- No. 18.—Sex ♀; $\frac{3}{4}$ lb.; 12 in.; 26/December, 1938; 12.30 p.m.; Fly: Red Palmer. *Note*: weather hot and clear, water clear and low. Collected by Mr. E. G. Garrett. Contents: 7 Grasshoppers (*Chortoicetes terminifera*), 1 Cicada (*Psaltoda moerens*).
- No. 19.—Sex ♀; $\frac{1}{2}$ lb.; 12 in.; 30/January, 1939; 4 p.m.; Fly: Black Spinner. *Note*: very low water. Collected by Mr. E. G. Garrett. Contents: 41 winged ants (*Iridomyrmex*), 23 *Gerris* sp., fragments of bark.
- No. 20.—Sex ♀; 9 oz.; 13 in.; 30/January, 1939; 5 p.m.; Fly: "Clyde". *Note*: very low water. Collected by Mr. E. G. Garrett. Contents: 4 grasshoppers (immature), 3 Asilid flies (*Blepharotes coriarius*), remains of dragonflies, 1 beetle (*Aphodius* sp.).
- No. 21.—? sex; Weight ?; Length ?; 19/February, 1939; Time a.m.; Fly: Hopper Hackle. Collected by Mr. E. G. Garrett. Contents: 1 large *Onthophagus* sp., 1 *Paropsis* sp., leg of grasshopper.
- No. 22.—Sex ♂; $\frac{1}{2}$ lb.; 7/April, 1939; noon; Fly: Cocky bundhu. Collected by Mr. E. G. Garrett. Contents: 7 waterboatmen, 1 aquatic larva (? ? ?).
- No. 23.—? sex, 10 oz.; 12 in.; 7/April, 1939; Fly: Cocky bundhu. *Note*: water flowing well after recent rain—weather cold and cloudy. Collected by Mr. E. G. Garrett. Contents: empty.
- No. 24.—? sex, $\frac{1}{2}$ lb.; 12 in.; 7/April, 1939; Time ?; Fly: Coachman. Collected by Mr. W. Rowan Lowry. Contents: 1 Sugar Ant (*Camponotus*), 3 winged ants (*Iridomyrmex*), 3 sand Caddis cases, remains of beetle, small quantity insect remains.
- No. 25.—Sex ♂; $\frac{3}{4}$ lb.; 12 $\frac{1}{2}$ in.; 7/April, 1939; Time ?; Fly: Coachman. Collected by Mr. W. Rowan Lowry. Contents: 1 large Crayfish (*Parachaeraps bicarinatus*).
- No. 26.—Sex ♀ (full roe); 10 oz.; 12 in.; 23/April, 1939; 3 p.m.; Fly: Hardy's Favourite. Collected by Mr. E. G. Garrett. *Note*: water clear, weather dull and cold. Contents: 1 Pumpkin beetle (*Aulacophora cliveri*), 73 *Gasteruption* sp. (a truly remarkable find!), 6 *Oechalia schellenbergii*, quantity of insect remains.

Sachwall's Creek, Tarana.

- No. 27.—? sex; $\frac{1}{2}$ lb.; 10 in.; 7/November, 1938; 10 a.m.; Fly: "Washwood" (? Dashwood). Collected by Mr. E. G. Garrett. *Note*: moderately clear—good flow—weather showery and cloudy at intervals. Abundant insect life along banks. Contents: 2 sand Caddis cases.

STOMACH CONTENTS OF LOCH LEVEN TROUT.*(Salmo leuvenis* Walker.)**Kydra River.**

- No. 1.—Sex ♂; 1 lb.; 2/December, 1939; 2.45 p.m.; Fly: Smart's Red-tail. Collected by Mr. W. J. Forbes, from Monaro District Acclimatisation Society, Cooma. Contents: 3 *Heteronyx* sp., 2 Clickbeetles (*Conoderus*), 1 stick Caddis case. 4 Dryopidae, quantity coarse gravel.
- No. 2.—Sex ♂; $1\frac{1}{2}$ lb.; 2/December, 1939; 3.15 p.m.; Fly: Smart's Red-tail. Collected by Mr. W. J. Forbes, from Monaro District Acclimatisation Society, Cooma. Contents: empty.

Big River.

- No. 3.—Sex ♂; 2 lb.; 30/April, 1940; 3.5 p.m. Collected by Mr. S. N. McLean, Snowy Waters, Bungarby, from Monaro District Acclimatisation Society, Cooma. Contents: 372 winged ants (*Iridomyrmex*), 1 grasshopper (immature), 1 stick Caddis case, 5 *Heteronyx* sp.

STOMACH CONTENTS OF RAINBOW TROUT.*(Salmo irideus* Gibbons.)**Kybean River.**

- No. 1.—Sex ♀; 4 lb.; 21 in.; 30/December, 1938; 4 p.m. Collected by Mr. F. W. Barrett. Contents: 5 stick Caddis cases (large), 52 sand Caddis cases.
- No. 2.—Sex ♀; $1\frac{3}{4}$ lb.; Length ?; 3/January, 1939; 5.30 p.m. Collected by Mr. A. Barrett. Contents: 245 Caddis cases (sand).
- No. 3.—Sex ♀; 3 lb.; Length ?; January, 1939; 5 p.m. Collected by Mr. P. W. Barrett. Contents: empty.
- No. 4.—Sex ♀; $1\frac{1}{4}$ lb.; Length ?; January, 1939; 7 p.m. Collected by Mr. Pfeiffer. Contents: Algae and vegetable matter.
- No. 5.—Sex ♀; $1\frac{1}{4}$ lb.; Length ?; January, 1939; Time ?. Collected by Mr. Alwyn Barrett. Contents: 2 stick Caddis cases.
- No. 6.—Sex ♀; $1\frac{1}{2}$ lb.; 8/November, 1939; 3 p.m. Collected by Mr. F. C. Gaden, from Monaro District Acclimatisation Society, Cooma. Contents: 132 Caddis cases (sand), 18 Mayflies, 1 *Gerris*, 1 Caddis fly (adult), quantity broken insect remains.

MacLaughlin River.

- No. 7.—Sex ♂; 4 lb.; Length ?; 3/January, 1939; 7 p.m. Collected by Mr. Alwyn Barrett. Contents: Remains of Mayflies.
- No. 8.—Sex ♂; $3\frac{3}{4}$ lb.; Length ?; 3/January, 1939; 7 p.m. Collected by Mr. Alwyn Barrett. Contents: 1 winged ant, 2 Mayfly nymphs, 1 *Gerris*.
- No. 9.—Sex ♀; 4 lb.; Length ?; 3/January, 1939; 7.15 p.m. Collected by Mr. Alwyn Barrett. Contents: 1 stick Caddis case.

- No. 10.—Sex ♂; $3\frac{1}{4}$ lb.; Length ?; 3/January, 1939; 7.15 p.m.; Fly: Loch Orde. Collected by Mr. L. Barrett. Contents: empty.
- No. 11.—Sex ♀; 4 lb.; $20\frac{1}{2}$ in.; 4/January, 1939; 12.5 p.m. Collected by Mr. F. W. Barrett. Contents: 1 *Corixa* (immature), wings of Mayflies.
- No. 12.—Sex ♂; $5\frac{1}{4}$ lb.; $22\frac{1}{2}$ in.; 4/January, 1939; 3.50 p.m. Collected by Dr. A. Glen. Contents: empty.
- No. 13.—Sex ♀; 1 lb. 11 oz.; 16 in.; 4/January, 1939; 6.30 p.m. Collected by Mr. Alwyn Barrett. Contents: 2 Anisopterid nymphs, 1 stick Caddis case, 7 small Dytiscid beetles.
- No. 14.—Sex ♀; 3 lb.; 1/October, 1939; 5.15 p.m.; Fly: Red Ant. Collected by Mr. J. D. Gaden, from Monaro District Acclimatisation Society, Cooma. Contents: 12 small Dytiscids (yellow and brown $\frac{1}{3}$ in.) 2 stick Caddis cases.
- No. 15.—Sex ♀; 4 lb.; 3/November, 1939; 5 p.m.; Fly: Jungle Cock. Collected by Mr. J. D. Gaden, from Monaro District Acclimatisation Society, Cooma. Contents: 1 waterboatman, 23 small water beetles (Dytiscidae) (brown and yellow $\frac{1}{3}$ in.), 2 remains of coleopterous larvae, 1 large Hydrophyllid larva, 1 Mayfly, remains of large beetles, quantity of Algae.

Big River.

- No. 16.—Sex ♂; $1\frac{1}{2}$ lb.; 30/April, 1940; 3.5 p.m. Collected by Mr. S. M. McLean. Snowy Waters, Bungarby, from Monaro District Acclimatisation Society, Cooma. Contents: 83 winged ants (*Iridomyrmex*), remains of *Onthophagus* (several specimens).

Fish River, Tarana.

- No. 17.—Sex ♀; $\frac{1}{2}$ lb.; 12 in.; 30/January, 1939; noon; Fly: Guinea. Note: very low water. Collected by Mr. E. G. Garrett. Contents: 59 *Gerris*, elytron of large water beetle (Dytiscidae) green with yellow margin, remains of Pentatomid bug.
- No. 18.—? sex; Weight ?; 12 in.; 19/February, 1939; noon; Fly: Hopper Hackle. Collected by Mr. E. G. Garrett. Contents: 2 grasshoppers (immature).
- No. 19.—? sex; Weight ?; 10 in.; 7/April, 1939; 2 p.m. Collected by Mr. E. G. Garrett. Contents: 1 *Onthophagus* sp., 1 grasshopper (immature), 1 waterboatman.

Goodradigbee River, Brindabella.

- No. 20.—Sex ♀; 12 oz.; $13\frac{1}{4}$ in.; (No. 24) 7/April, 1939; Time ?; Fly: ?. Collected by Mr. J. Dowling. Contents: 4 Hydrophyllid larvae, 9 chitinous Caddis cases.
- No. 21.—Sex ♂; 9 oz.; $12\frac{3}{4}$ in.; (No. 25) 7/April, 1939; Time ?; Fly: ?. Collected by Mr. John Dowling. Contents: 5 Hydrophyllid larvae, 53 *Gerris* sp., 9 Caddis cases (chitinous), 1 Elaterid (? gen. et sp.), remains of tree-grasshopper (Tettigonidae).
- No. 22.—Sex ♀; 13 oz.; $13\frac{1}{2}$ in.; (No. 26) 8/April, 1939; 11 a.m.; Fly: Red Wasp. Collected by Mr. John Dowling. Contents: mud.
- No. 23.—Sex ♀; 8 oz.; 11 in.; (No. 27) 8/April, 1939; noon; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 8 sand Caddis cases, 1 spider (*Epeira* sp.), 1 ant (? gen. et sp.).
- No. 24.—Sex ♀; 10 oz.; $11\frac{3}{4}$ in.; (No. 29) 8/April, 1939; 5 p.m.; Fly: Red Wasp. Collected by Mr. John Dowling. Contents: 2 large Anisopterid nymphs, 2 Hydrophyllid larvae, quantity of mud.
- No. 25.—Sex ♀; 1 lb. 2 oz.; $13\frac{1}{2}$ in.; (No. 28) 8/April, 1939; 6 p.m.; Fly: Professor. Collected by Mr. J. R. Gibson. Contents: 11 sand Caddis cases, 1 grasshopper (immature), 1 gordian worm, 2 Mayflies.

- No. 26.—Sex ♀; 1 lb. 5 oz.; 14 $\frac{3}{4}$ in.; (No. 30) 10/April, 1939; 5.30 a.m. Collected by Mr. H. Tindale. Contents: 1 large Huntsman Spider ♂ (*Isopeda immansis*), unidentifiable remains of insects chiefly Coleoptera.
- No. 27.—Sex ♀; 1 lb. 2 oz.; 15 in.; (No. 31) 23/April, 1939; Time ?; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 9 sand Caddis cases, 1 Anisopterid nymph.
- No. 28.—Sex ♂; 9 oz.; 12 in.; (No. 32) 23/April, 1939; Time ?; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 137 Caddis cases (spiral, sand), 3 Caddis cases (sand), 3 Mayfly nymphs.
- No. 29.—Sex ♀; 9 oz.; 12 in.; (No. 33) 23/April, 1939; Time ?; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 9 large Anisopterid nymphs, 1 large Hydrophyllid larva, 3 sand Caddis cases.
- No. 30.—? sex; 12 oz.; 13 $\frac{1}{4}$ in.; (No. 201) 18/November, 1939; 3 p.m.; Fly: Cocky. Collected by Mr. V. C. Bennett. Contents: 3 Bugong moths, quantity insect remains.
- No. 31.—? sex; 8 oz.; 9 $\frac{1}{4}$ in. (injured); (No. 202) 18/November, 1939; Time ?; Fly: Cocky. Collected by Mr. V. C. Bennett. Contents: 8 chitinous Caddis cases, 5 sand Caddis cases, mud.
- No. 32.—Sex ♀; 10 oz.; 12 in.; (No. 203) 19/November, 1939; 6 p.m.; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 13 chitinous Caddis cases, quantity of vegetable matter.
- No. 33.—Sex ♂; 16 oz.; 13 in.; (No. 204) 20/November, 1939; Time ?; Fly: Cocky. Collected by Mr. G. S. Stogdale. Contents: 137 chitinous Caddis cases, quantity of mud.
- No. 34.—Sex ♀; 11 oz.; 12 in.; (No. 205) 20/November, 1939; 11.30 a.m.; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 17 Bugong moths, 47 sand Caddis cases, quantity of mud.
- No. 35.—Sex ♂; 12 oz.; 12 in.; (No. 206) 23/November, 1939; Time ?; Fly: Cocky. Collected by Mr. V. C. Bennett. Contents: 24 chitinous Caddis cases, 1 Anisopterid nymph.
- No. 36.—Sex ♂; 12 oz.; 12 $\frac{1}{2}$ in. (No. 208) 24/November, 1939; Time ?; Fly: Ginger Hackle. Collected by Mrs. W. P. Bluett, Koorabri, Brindabella. Contents: 1 stick Caddis case, 63 chitinous Caddis cases, quantity broken insect remains.
- No. 37.—Sex ♀; 12 oz.; 12 $\frac{1}{2}$ in.; (No. 209) 10/December, 1939; Time ?; Fly: Blue and Black. Collected by Mrs. W. P. Bluett. Contents: 11 chitinous Caddis cases, 1 Chrysomelid beetle, 2 *Gerris*, quantity of mud.
- No. 38.—Sex ♀; 15 oz.; 13 $\frac{1}{2}$ in.; (No. 210) 16/December, 1939; 6 p.m.; Fly: Coachman. Collected by Mr. H. P. Bluett. Contents: Stomach crammed with Algae.
- No. 39.—Sex ♂; 20 oz.; 15 in.; (No. 212) 23/December, 1939; noon; Fly: Greenwell's Glory. Collected by Mr. V. H. Freeth. Contents: Stomach crammed with remains of Bugong moths, 1 Hydrophyllid larva, 2 Elaterid beetles, quantity of mud.
- No. 40.—Sex ♀; 21 oz.; 15 $\frac{1}{2}$ in.; (No. 211) 23/December, 1939; noon; Fly: Greenwell's Glory. Collected by Mr. V. H. Freeth. Contents: 32 *Phyllotocus navicularis* (Scarab), 1 *Paropsis* sp., quantity of Algae, 1 Longicorn beetle (*Phoracantha*).
- No. 41.—Sex ♀; 1 lb. 12 oz.; 15 $\frac{1}{2}$ in.; (No. 213) 23/December, 1939; 7 p.m.; Fly: Silver Doctor. Collected by Mr. V. H. Freeth. Contents: 4 *Diphucephala* sp., 2 *Phyllotocus navicularis*, large quantity of Algae.
- No. 42.—Sex ♀; 1 lb. 13 oz.; 16 $\frac{1}{4}$ in.; (No. 214) 24/December, 1939; Time ?; Fly: Pevril of the Peak. Collected by Mr. V. H. Freeth. Contents: Stomach crammed with remains of hundreds of Bugong moths.

- No. 43.—Sex ♀; 16 oz.; 14 in.; (No. 215) 24/December, 1939; 10 a.m.; Fly: Red Tag. Collected by Mr V. H. Freeth. Contents: 2 Bugong moths, stomach crammed with remains.
- No. 44.—Sex ♀; 20 oz.; 14 in.; (No. 216) 25/December, 1936 (? 9); 10.30 p.m.; Fly: Red Tag. Collected by Dr. Temple Smith. Contents: quantity of Algae, skin of a wild berry, quantity of mud.
- No. 45.—Sex ?; 20 oz.; 14½ in.; (No. 217) 26/December, 1939; 5.45 p.m.; Fly: Cocky. Collected by Mr. V. C. Bennett. Contents: bones of frog (small).
- No. 46.—Sex ♀; 32 oz.; 17 in.; (No. 218) 27/December, 1939; 11 a.m.; Fly: ?. Note: 82°. Collected by Mr. W. H. Dowling. Contents: 1 Anisopterid nymph, remains of cicada, 3 Bugong moths and remains, large quantity Algae, large quantity mud.
- No. 47.—Sex ?; 44 oz.; 19 in.; (No. 219) 27/December, 1939; 6.30 p.m.; Fly: Silver Doctor. Collected by Mr. V. H. Freeth. Contents: 4 *Psaltoda moerens* (Cicada), 1 large Anisopterid nymph, bones of frog.
- No. 48.—Sex ♀; 24 oz.; 15½ in.; (No. 220) 28/December, 1939; 4.30 p.m.; Fly: Cocky. Note: hot, 86°. Collected by Mr. W. H. Dowling. Contents: 3 Cicadas (*Psaltoda moerens*), 1 Bugong moth, 1 Scarabaeid (? gen. et sp.) (green, large).
- No. 49.—Sex ♀; 28 oz.; 16¼ in.; (No. 221) 1/January, 1940; 7 a.m.; Fly: Coachman. Collected by Mr. V. H. Freeth. Contents: 1 Bugong moth, remains of Cicada.
- No. 50.—Sex ♀; 56 oz.; 20½ in.; (No. 222) 22/January, 1940; 2.15 p.m.; Fly: Red Tag. Collected by Mr. H. P. Berne. Contents: Algae.
- No. 51.—Sex ♀; 44 oz.; 19½ in.; (No. 223) 26/January, 1940; 3 p.m.; Fly: Professor. Collected by Mr. A. Berne. Contents: 1 Crayfish (*Parachaeaps bicarinatus*), quantity of Algae.
- No. 52.—Sex ♀; 4 lb. 2 oz.; 22 in.; (No. 224) 30/January, 1940; 7.30 p.m.; Fly: Black Hackle. Collected by Mr. E. Dickson. Contents: sand, unidentifiable animal remains (? frog).
- No. 53.—Sex ♀; 24 oz.; 15½ in.; (No. 251) 27/February, 1940; 3 p.m.; Fly: Ginger Hackle. Collected by Mr. J. T. Wheeler. Contents: quantity of mud.
- No. 54.—Sex ♀; 24 oz.; 16 in.; (No. 252) 27/February, 1940; 6 p.m.; Fly: Ginger Hackle. Collected by Mr. J. T. Wheeler. Contents: empty.
- No. 55.—Sex ♂; 26 oz.; 15½ in.; (No. 253) 29/February, 1940; 1.30 p.m.; Fly: Ginger Hackle. Collected by Mr. J. T. Wheeler. Contents: quantity of Algae.
- No. 56.—Sex ♀; 22 oz.; 15¾ in.; (No. 254) 29/February, 1940; 2.20 p.m.; Fly: Ginger Hackle. Collected by Mr. J. T. Wheeler. Contents: Remains of wasp (unidentifiable), quantity of Algae.
- No. 57.—Sex ♂; 36 oz.; 19 in.; (No. 255) 2/March, 1940; Time ?; Fly: Royal Coachman. Collected by Mr. R. O. Pomroy. Contents: empty.
- No. 58.—Sex ♀; 18 oz.; 14 in.; (No. 256) 3/March, 1940; 1 p.m.; Fly: Red Lochordie. Collected by Mr. W. Southwell. Contents: remains of beetle (unidentifiable), quantity of Algae, fragments of bark.
- No. 59.—Sex ♂; 14 oz.; 12½ in.; (No. 257) 7/March, 1940; Time ?; Fly: Cocky. Collected by Mr. H. K. McPherson. Contents: 6 Bugong moths, remains of Praying Manti (? *Archimantis*).
- No. 60.—Sex ♀; 24 oz.; 16 in.; (No. 260) 16/March, 1940; 5 p.m.; Fly: Hopper Hackle. Collected by Mr. H. E. Taplin. Contents: 1 Anisopterid Dragonfly, 1 Ichneumon wasp.
- No. 61.—Sex ♀; 12 oz.; 13 in.; (No. 258) 17/March, 1940; Time ?; Fly: Hopper Hackle. Collected by Mr. H. E. Taplin. Contents: 2 stick Caddis cases, 1 Anisopterid nymph, 1 feather, quantity of Algae.

- No. 62.—Sex ♂; 8 oz.; 12 in.; (No. 259) 17/March, 1940; 11.30 a.m.; Fly: Copper Hackle. Collected by Mr. H. E. Taplin. Contents: 5 Bugong moths, 1 sugar ant, small quantity of remains.
- No. 63.—Sex ♀; 1 lb. 3 oz.; 14 in.; (No. 261) 19/March, 1940; 6.30 p.m.; Fly: White Moth. Collected by Mr. W. Southwell. Contents: 2 stick Caddis cases, 1 Bugong moth, 1 grasshopper (immature), 32 *Gerris* sp.
- No. 64.—Sex ♂; 12 oz.; 12¼ in.; (No. 263) 20/March, 1940; 11 a.m.; Fly: Ginger Quill. Collected by Mr. V. H. Freeth. Contents: Quantity of Algae.
- No. 65.—Sex ♂; 16 oz.; 13¾ in.; (No. 262) 20/March, 1940; 12 noon; Fly: Ginger Quill. Collected by Mr. V. H. Freeth. Contents: 1 large Anisopterid Dragonfly, 1 small Dytiscid beetle, quantity of Algae.
- No. 66.—Sex ♀; 11 oz.; 12 in.; (No. 264) 20/March, 1940; 12.30 p.m.; Fly: Ginger Quill. Collected by Mr. V. H. Freeth. Contents: 1 large Hydrophyllid larva, 2 winged ants (*Iridomyrmex*).
- No. 67.—Sex ♂; 20 oz.; 15 in.; (No. 265) 20/March, 1940; 5 p.m.; Fly: Caddis nymph. Collected by Mr. W. H. Dowling. Contents: 3 Bugong moths.
- No. 68.—Sex ♀; 16 oz.; 14½ in.; (No. 266) 22/March, 1940; 11 a.m.; Fly: March Brown. Collected by Dr. Temple Smith. Contents: 1 grasshopper (immature), 1 Chrysomelid beetle, 1 Tenebrionid beetle (*Pterohelaeus*), quantity of Algae.
- No. 69.—Sex ♂; 20 oz.; 14¼ in.; (No. 267) 22/March, 1940; 11.30 a.m.; Fly: Nymph. Note: warm and still, much flannel weed. Contents: 1 Blackfish (*Gadopsis marmoratus* Richardson, 1848), and remains of another River Blackfish or "Slippery", a small common, native freshwater fish of no economic importance.
- No. 70.—Sex ♀; 31 oz.; 17 in.; (No. 268) 22/March, 1940; 11.30 a.m.; Fly: Ginger Quill. Collected by Mr. V. H. Freeth. Contents: 27 Bugong moths, many fine threadworms, quantity of mud.
- No. 71.—Sex ♀; 38 oz.; 18 in.; (No. 269) 22/March, 1940; 3.30 p.m.; Fly: Lochordie. Collected by Mr. W. Southwell. Contents: 1 Crayfish (*Parac aeraps bicarinatus*), 1 large Anisopterid nymph, 1 Bugong moth, 1 wasp (Scoliid), 1 Dytiscid larva, 1 grasshopper (immature).
- No. 72.—Sex ♀; 21 oz.; 15½ in.; (No. 270) 22/March, 1940; 6 p.m.; Fly: Lochordie. Collected by Mr. W. Southwell. Contents: 1 fish (*Gadopsis marmoratus* Richardson, 1848), River Blackfish or "Slippery", a small, common, native freshwater fish of no economic importance.
- No. 73.—Sex ♀; 20 oz.; 16 in.; (No. 271) 23/March, 1940; 11.30 a.m.; Fly: Cocky. Note: warm, 82°, no wind, few rising. Collected by Mr. W. H. Dowling. Contents: 1 Diamond beetle (*Chrysolophus spectabilis*), 1 stick Caddis case, quantity of Algae.
- No. 74.—Sex ♂; 46 oz.; 20½ in.; (No. 272) 24/March, 1940; 2.30 p.m.; Fly: Royal Coachman. Collected by Mr. V. H. Freeth. Note: hot, light wind, 86°. Fish rising freely. Contents: 1 Diamond beetle (*Chrysolophus spectabilis*), 5 Noctuid moths (unidentifiable), 1 grasshopper (*Gastrimargus musicus*), 1 large *Heteronyx* (?), wings of stone fly, large quantity of broken insect remains (wings ? Lepidoptera), quantity of Algae.
- No. 75.—Sex ♀; 18 oz.; 14 in.; (No. 273) 24/March, 1940; 3 p.m.; Fly: Royal Coachman. Collected by Mr. V. H. Freeth. Note: hot and still. Contents: 5 winged ants, 3 Noctuid moths (Bugong: *Agrotis spina*), 3 large Anisopterid Dragonflies, 1 Anisopterid nymph, large quantity of Algae.