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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 Linna.)

Delegate River.

No. 1.—♂ sex, Weight 1½ 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, 1¼ lb.; 15½ 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, ¾ lb.; 13½ 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.; 13½ 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, 1½ lb.; 15 in.; 23/April, 1940; Time ?; Fly: Black Gnat. Collected by Mr. Boyce C. Dent, from Monaro District Acclimatisation Society, Cooma. Contents: empty.

Kydra River.

No. 6.—♂ sex, ⅔ lb.; 13½ 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.

No. 8.—♂; 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.—♂; 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 Diplocephala sp., 5 Heteronyx sp., 2 grasshoppers (? sp. immature), 2 stick Caddis cases, 3 sand Caddis cases, quantity finely divided insect remains.


* 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.
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Fish River, Tarana.


No. 14.—Sex ?, Weight ?, Length ?. 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. 16.—Sex ?, Weight ?, Length ?. 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. 19.—Sex ?, Weight ?, Length ?. 30/January, 1939; 4 p.m.; Fly: Black Spinner. Note: very low water. Collected by Mr. E. G. Garrett. Contents: 1 Anisopterid nymph, remains of dragonflies, 1 beetle (Aphodius sp.).

No. 20.—Sex ?, Weight ?, Length ?. 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 ?, Weight ?, Length ?. 7/April, 1939; Noon; Fly: Cocky bundhu. Collected by Mr. E. G. Garrett. Contents: 7 waterboatmen, 1 aquatic larva (? ? !).

No. 23.—Sex ?, Weight ?, Length ?. 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 ?, Weight ?, Length ?. 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 ?, Weight ?, Length ?. 7/April, 1939; Time ?. Fly: Coachman. Collected by Mr. W. Rowan Lowry. Contents: 1 large Crayfish (Parachaeraps bicarinatus).

No. 26.—Sex ? (full roe); Weight ?, Length ?. 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 oliveri), 73 Gasteruption sp. (a truly remarkable find!), 6 Oechalia schellenbergii, quantity of insect remains.
Sachwall's Creek, Tarana.

No. 27.—♀ sex; ½ 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 leutenensis 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 Click beetles (Conoderus), 1 stick Caddis case, 4 Dryopidae, quantity coarse gravel.


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 ♀; 1½ 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 ♀; 1½ lb.; Length ?; January, 1939; 7 p.m. Collected by Mr. Pfeiffer. Contents: Algae and vegetable matter.

No. 5.—Sex ♀; 1½ lb.; Length ?; January, 1939; Time ?. Collected by Mr. Alwyn Barrett. Contents: 2 stick Caddis cases.

No. 6.—Sex ♀; 1½ 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 ♀; 3½ 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. 11.—Sex ♀; 4 lb.; 20½ in.; 4/January, 1939; 12.5 p.m. Collected by Mr. F. W. Barrett. Contents: 1 Corixa (immature), wings of Mayflies.

No. 12.—Sex ♂; 5½ lb.; 22½ 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 ½ 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 ½ in.), 2 remains of coleopterous larvae, 1 large Hydrophyllid larva, 1 Mayfly, remains of large beetles, quantity of Algae.

Big River.

No. 16.—Sex ♂; 1½ 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 ♀; ½ 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.; 13½ 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.; 12¼ 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.; 13½ 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.; 11½ 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.; 13½ 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.; 14½ in.; (No. 30) 10/April, 1939; 5.30 a.m. Collected by Mr. H. Tindale. Contents: 1 large Huntsman Spider ♀ (Isopeda immanis), 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: 17 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 Hydrophylid larva, 3 sand Caddis cases.

No. 30.—♀; 12 oz.; 13½ 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.—♀; 8 oz.; 9½ 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.—♀; 10 oz.; 12 in.; (No. 203) 19/November, 1939; 6 p.m.; Fly: Coachman. Collected by Mr. W. H. Dowling. Contents: 17 Caddis cases (spiral, sand), 47 sand Caddis cases, quantity of vegetable matter.

No. 33.—♀; 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.—♀; 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.—♀; 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.—♀; 12 oz.; 12½ 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. 38.—♀; 15 oz.; 13½ in.; (No. 210) 16/December, 1939; 6 p.m.; Fly: Coachman. Collected by Mr. H. P. Bluett. Contents: Stomach crammed with Algae.

No. 39.—♀; 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 Hydrophylid larva, 2 Elaterid beetles, quantity of mud.

No. 40.—♀; 21 oz.; 15½ in.; (No. 211) 23/December, 1939; noon; Fly: Greenwell’s Glory. Collected by Mr. V. H. Freeth. Contents: 32 Phyllopterus navicularis (Scarab), 1 Paropsis sp., quantity of Algae, 1 Longicorn beetle (Phoralacantha).

No. 41.—♀; 1 lb. 12 oz.; 15½ in.; (No. 213) 23/December, 1939; 7 p.m.; Fly: Silver Doctor. Collected by Mr. V. H. Freeth. Contents: 4 Diphucephala sp., 2 Phyllopterus navicularis, large quantity of Algae.

No. 42.—♀; 1 lb. 13 oz.; 16½ 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 (?); 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; 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: 1 Anisopterid nymph, remains of cicada, 3 Bugong moths and remains, large quantity Algae, large quantity mud.

No. 49.—Sex ♀; 24 oz.; 15½ 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 (Parachaeraps 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.; 15¾ in.; (No. 253) 29/February, 1940; 1.30 p.m.; Fly: Ginger Hackle. Collected by Mr. J. T. Wheeler. Contents: remains of wasp (unidentifiable), quantity of Algae.

No. 56.—Sex ♀; 22 oz.; 15½ 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 Mantis (? 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.
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No. 62.—Sex ♂; 8 oz.; 12 in.; (No. 259) 17/March, 1940; 11.30 a.m.; Fly: upper 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.; 12½ in.; (No. 263) 20/March, 1940; 11 a.m.; Fly: Ginger Quill. Collected by Mr. V. H. Freeth. Contents: 5 Bugong moths, 1 sugar ant, small quantity of remains.

No. 65.—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 Anisopterid Dragonfly, 1 small Dyttiscid beetle, quantity of Algae.

No. 66.—Sex ♀; 20 oz.; 15½ in.; (No. 265) 20/March, 1940; 11.30 a.m.; Fly: Caddis nymph. Collected by Mr. W. H. Dowling. Contents: 3 Bugong moths.

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.; 14½ 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 Rayfish (Parac aeris bicarinatus), 1 large Anisopterid nymph, 1 Bugong moth, 1 wasp (Scoliid), 1 Dyttiscid larva, 1 grasshopper (immature).

No. 72.—Sex ♂; 1 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 musieus), 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.