

- 466 *Notropis spilopterus* — Male; 70 mm; Ontario, Leeds Co., St. Lawrence River; Aug. 29, 1959; ROM 23617.
- 469 *Notropis stramineus* — 65 mm; Ontario, Algonoma Dist., Stokeley River; June 18, 1954; ROM 27054.
- 472 *Notropis umbratilis* — 50–54 mm; Ontario, Norfolk Co., Black Creek; July 25, 1947; ROM 18215.
- 473 *Notropis volucellus* — 62 mm; Quebec, Rivière Rigaud; Sept. 20, 1965; ROM 23984.
- 476 *Pimephales notatus* — Drawings by E. B. S. Logier, no data.
- 480 *Pimephales promelas* — Female; 67 mm; Ontario, Thunder Bay Dist., Pickerel River; June 8, 1964; ROM 23030.
- 484 *Platygobio gracilis* — Female; 275 mm; British Columbia, Fort Nelson River; Aug. 9, 1957; BC 57-224.
- 487 *Ptychocheilus oregonensis* — Male; 382 mm; British Columbia, Griffen Lake; Aug. 29, 1967; ROM 25555.
- 491 *Rhinichthys atratulus* — Male; 71 mm; Ontario, Northumberland Co., Shelter Valley Creek; July 20–21, 1966; ROM 25119.
- 494 *Rhinichthys cataractae* — Male; 86 mm; Ontario, Haldimand Co., Grand River; June–July 1966; ROM 25210.
- 498 *Rhinichthys falcatus* — Male; 74 mm; British Columbia, Chilcotin Dist., Nazko River; Aug. 15, 1956; ROM 18574.
- 501 *Rhinichthys osculus* — Female; 70 mm; British Columbia, Teslin Lake; July–Aug. 1944; ROM 18570.
- 503 *Richardsonius balteatus* — Female; 108 mm; British Columbia, Pothole Lake; ROM 25554.
- 507 *Semotilus atromaculatus* — Adult — male; 309 mm; Ontario, Haliburton Co., Big Straggle Lake; May 18, 1963; ROM 22323; Immature — 80 mm; Ontario, Renfrew Co., Chalk River; Aug. 11, 1966; ROM 24573.
- 511 *Semotilus corporalis* — Adult — composite ROM 12921 and ROM 24491; Immature — 78 mm; Ontario, Frontenac Co., Collins Creek; July 8, 1941; ROM 12921.
- 515 *Semotilus margarita* — Male; 135 mm; Ontario, Cochrane Dist., Munro Lake; July 30, 1958; ROM 20033.
- 528 *Carpiodes cyprinus* — Male; 390 mm; Ontario, Kent Co., Lake Erie; July 6, 1932; ROM 8056.
- 531 *Catostomus catostomus* — Male; 409 mm; Ontario, Bruce Co., Lake Huron; Apr. 5, 1968; ROM 25775.
- 536 *Catostomus cumbrianus* — Male; 126 mm; British Columbia, Cale Creek; Aug. 11, 1956; BC 56-570.
- 538 *Catostomus commersoni* — Female; 465 mm; New Brunswick, Carleton Co., Meddunkeag River; May 25, 1958; ROM 19534.
- 544 *Catostomus macrocheilus* — Male; 413 mm; British Columbia, Wolfe Creek; May 16, 1956; BC 56-413.
- 547 *Catostomus platyrhynchus* — Male; 232 mm; Alberta, Cardston, Lee Creek; July 20, 1964; ROM 25919.
- 551 *Erimyzon sucetta* — Female; 270 mm; Ontario, Kent Co., Lake Erie; Apr. 12, 1955; ROM 17590.
- 554 *Hypentelium nigricans* — Male; 140 mm; Ontario, Peel Co., Credit River; Apr. 26, 1964; ROM 22766.
- 557 *Ictiobus cyprinellus* — Female; 315 mm and 355 mm; Saskatchewan, Last Mountain Lake; Feb. 5, 1955; ROM 16728.
- 564 *Moxostoma antisurum* — 354 mm; Ontario, Kent Co., Lake St. Clair; Feb. 19–May 20, 1964; ROM 22893.
- 567 *Moxostoma carinatum* — Female; 460 mm; Quebec, Lake St. Louis; 1941; ROM 13413.
- 571 *Moxostoma duquesnei* — Female; 329 mm; Michigan, Thornapple River; May 8–10, 1928; ROM 4463.
- 574 *Moxostoma erythrurum* — Female; 347 mm; Ontario, Elgin Co., Catfish Creek; Mar. 26, 1937; ROM 9633.
- 577 *Moxostoma hubbsi* — Male; 487 mm; Quebec, St. Hyacinthe, Yamaska River; Aug. 10–12, 1963; ROM 23118.
- 579 *Moxostoma macrolepidotum* — 386 mm; Ontario, Bruce Co., Lake Huron, Douglas Point; 1963; ROM 22509.
- 584 *Moxostoma valenciennesi* — Male; 393 mm; Ontario, Peel Co., Credit River; June 15, 1927; ROM 3552.
- 591 *Ictalurus melas* — Male; 196 mm; Saskatchewan, Souris River; Sept. 5, 1956; ROM 19948.
- 595 *Ictalurus natalis* — Male; 235 mm; Ontario, Norfolk Co., Lake Erie; Oct. 31, 1952; ROM 15633.
- 598 *Ictalurus nebulosus* — Male; 303 mm; Ontario, Muskoka Dist., Six Mile Lake; May 27, 1970; ROM 27094.
- 604 *Ictalurus punctatus* — Drawing by E. B. S. Logier, no data.
- 611 *Noturus flavus* — Female; 215 mm; Ontario, Durham Co., Wilmot Creek; Apr. 25, 1963; ROM 25813.
- 615 *Noturus gyrinus* — Female; 82 mm; Quebec, Napierville Co., Pond Southwest of Douglassburg; Apr. 22, 1969; ROM 27178.
- 619 *Noturus miurus* — Female; 86 mm; Ontario, Welland Co., Niagara River; 1958; ROM 20019.
- 624 *Anguilla rostrata* — Borrowed from FRB Bull. 155.
- 631 *Fundulus diaphanus* — Borrowed from FRB Bull. 155.
- 635 *Fundulus heteroclitus* — Borrowed from FRB Bull. 155.

- 641 *Lota lota* — Male; 510 mm; Ontario, Algonquin Park, Lake Opeongo; July 7, 1958; ROM 19838.
- 646 *Microgadus tomcod* — Borrowed from FRB Bull. 155.
- 652 *Labidesthes sicculus* — Male; 62 mm; Ontario, Frontenac Co., Lake Opinicon; ROM 23894.
- 658 *Apeltes quadracus* — Male; 42 mm; Newfoundland, Port au Port, Piccadilly Bay; July 14, 1960; ROM 20989.
- 661 *Culaea inconstans* — 48 mm; Ontario, Nipissing Dist., Aumond Creek; Aug. 8, 1966; ROM 24565.
- 665 *Gasterosteus aculeatus* — 52 mm; Newfoundland, Fortune Bay; July 26, 1960; ROM 21027.
- 669 *Gasterosteus wheatlandi* — 45 mm; Newfoundland, Port au Port; July 14, 1960; ROM 20988.
- 671 *Pungitius pungitius* — 66 mm; Ontario, Timiskaming Dist., Jerry Lake; Sept. 16, 1958; ROM 20026.
- 678 *Percopsis omiscomaycus* — Female; 106 mm; Ontario, Sudbury Dist., Spanish River; July 11, 1950; ROM 14958.
- 684 *Morone americana* — 255 mm; New Brunswick, St. John River; Nov. 15, 1968; ROM 26389.
- 689 *Morone chrysops* — 177 mm; Ontario, Norfolk Co., Lynn River; July 5, 1949; ROM 18328.
- 693 *Morone saxatilis* — 320 mm; Quebec, St. Lawrence River, May 1950; ROM 15983.
- 703 *Ambloplites rupestris* — Male; 173 mm; Ontario, Oxford Co., Nith River; June 21, 1966; ROM 25090.
- 707 *Lepomis auritus* — Male; 174 mm; New Brunswick, Kennebecasis River; Aug. 22, 1949; ROM 14587.
- 710 *Lepomis cyanellus* — Male; 135 mm; Ontario, Grey Co., Williams Lake; July 17, 1968; ROM 26098.
- 713 *Lepomis gibbosus* — Female; 165 mm; Ontario, Northumberland Co., Trent Canal; Aug. 20, 1958; ROM 19827.
- 719 *Lepomis macrochirus* — Male; 182 mm; Ontario, Frontenac Co., Rideau Canal; Apr. 28, 1968; ROM 25812.
- 724 *Lepomis megalotis* — Male; 96 mm; Ontario, Middlesex Co., Ausable River; June 30, 1969; ROM 26797.
- 728 *Micropterus dolomieu* — Male; 302 mm; Ontario, Peterborough Co., Connelly's Lake; Sept. 17, 1958; ROM 19836.
- 734 *Micropterus salmoides* — Female; 340 mm; Ontario, Leeds Co., St. Lawrence River; May 20, 1968; ROM 25886.
- 741 *Pomoxis annularis* — Male; 212 mm; Ontario, Essex Co., Cedar Creek; June 11, 1941; ROM 13214.
- 745 *Pomoxis nigromaculatus* — Female; 280 mm; Ontario, Ontario Co., Frenchman Bay; Apr. 15, 1958; ROM 20006.
- 755 *Perca flavescens* — Male; 225 mm; Ontario, Nipissing Dist., Aumond Creek; Aug. 10, 1966; ROM 24607.
- 762 *Stizostedion canadense* — Male; 325 mm; Ontario, Lake Erie; Nov., 1953; ROM 15970.
- 767 *Stizostedion vitreum* — Male; 392 mm; Ontario, Prince Edward Co., Lake Ontario; Nov. 16, 1957; ROM 18815.
- 775 *Ammocrypta pellucida* — Female; 60 mm; Ontario, Middlesex Co., Sydenham River; Sept. 9, 1927; ROM 3702.
- 777 *Etheostoma blennioides* — Male; 82 mm; Ontario, Peel Co., Thames River; Summer 1965; ROM 24485.
- 780 *Etheostoma caeruleum* — Male; 50 mm; Ontario, Ontario Co., Duffin Creek; ROM 24070.
- 783 *Etheostoma exile* — Female; 49 mm; Ontario, Manitoulin Island, Ice Lake; June 9, 1960; ROM 25853.
- 787 *Etheostoma flabellare* — Male; 62 mm; Ontario, Leeds Co., Jones Creek; June 4, 1960; ROM 21059.
- 790 *Etheostoma microperca* — 37 mm; Ontario, Bruce Co., Teeswater River; July 16, 1956; ROM 18515.
- 793 *Etheostoma nigrum* — Male; 61 mm; Manitoba, Valley River; Aug. 28, 1953; ROM 18456.
- 797 *Percina caprodes* — Female; 100 mm; Ontario, Algoma Dist., Harmony Creek; June 17, 1954; ROM 16241.
- 801 *Percina copelandi* — 41 mm; Ohio; ROM 6975.
- 803 *Percina maculata* — Male; 75 mm; Ontario, Oxford Co., Otter Creek; June–July 1967; ROM 26294.
- 806 *Percina shumardi* — 49 mm; Ontario, Kenora Dist., Sandy Lake; July 3–17, 1961; ROM 22373.
- 812 *Aplodinotus grunniens* — Male; 600 mm; Ontario, Leeds Co., St. Lawrence River; Aug. 20, 1967; ROM 25569.
- 820 *Cottus aleuticus* — Borrowed from FRB Bull. 173.
- 823 *Cottus asper* — Borrowed from FRB Bull. 173.
- 826 *Cottus bairdi* — Borrowed from the National Museum of Canada.
- 830 *Cottus cognatus* — Borrowed from the National Museum of Canada.
- 835 *Cottus confusus* — Borrowed from the Museum of Zoology, University of Michigan.
- 837 *Cottus rhotheus* — 47 mm; British Columbia, Kootenay River; Slocan Pool; June 20, 1928; ROM 6104.
- 839 *Cottus ricei* — Borrowed from FRB Bull. 173.
- 842 *Myoxocephalus quadricornis* — Drawing by E. B. S. Logier, no data.



THE ILLUSTRATORS . . .

Anker Odum, Scientific Illustrator in the Department of Entomology and Invertebrate Zoology, Royal Ontario Museum, prepared most of the pen-and-ink species illustrations as well as several of the paintings.



Peter Buerschaper is Chief Technician of the Department of Ichthyology and Herpetology at the Royal Ontario Museum. He prepared certain pen-and-ink drawings and colour illustrations of chars, painting used for the frontispiece, as well as the cover design of the book.

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