

1914. This is, therefore, the first instance of its occurrence in the basin of the Delaware River, as well as the most eastern and northern locality at which the species has been obtained. The species is of further interest in not having been secured in Pennsylvania since its discovery in the Conestoga in 1864, by Jacob Stauffer. The type, Stauffer's specimen, has been compared in this connection, and agrees in most all respects. It is, however, over three inches in length, though in various works the species is given as of smaller size. Recently Messrs. Radcliffe and Welsh have described a darter from Swan Creek, Maryland, as new, under the name *H. sellaris*. My example differs in having the spinous dorsal more conspicuously lower than the rayed dorsal, one more dorsal spine, naked cheeks and coloration. The additional dorsal spine would appear an intermediate character. *H. sellaris* is shown with the spinous dorsal marked with three dark blotches to each spine, whereas in my example, at present, the dark blotches are only on the membranes. The dark blotches on the back are such as may easily admit of change with age, the Swan Creek specimens being small. Besides the crustaceans *Asellus communis* and *Gammarus fasciatus*, other fishes found in Skippack Creek were *Notropis procne*, *N. whippelii analostanus*, *N. cornutus*, *Rhinichthys atronatus*, *Fundulus diaphanus* and *Boleosoma nigrum olmstedii*. In the brook near Rahn, another Perkiomen tributary, *Semotilus atromaculatus*, *Catostomus commersonnii* and *Micropterus dolomieu* were found, and in Landis Brook near Grater's Ford, besides *Fundulus* and *Rhinichthys*, *Notropis whippelii analostanus* and *Lepomis auritus*.

In the Delaware and its tributaries in Bucks County I met with several species of local interest. One was the *Exoglossum maxillingua* in the river at Morrisville, on July 22, with *Notropis hudsonius amarus*, *N. whippelii analostanus*, *Fundulus heteroclitus macrolepidotus*, *F. diaphanus*, *Lepomis* and *Boleosoma*, showing its association with upper tidal species. In a small tributary above Yardley, *Notropis bifrenatus*, *N. whippelii analostanus*, *N. cornutus*, *Rhinichthys*, *Catostomus* and *Boleosoma*

were common. In Taylorville, Knowles and Pidcock's Creeks, *Semotilus atromaculatus*, *Notropis bifrenatus*, *N. whippelii analostanus*, *N. cornutus*, *Rhinichthys*, *Fundulus diaphanus*, *Lepomis* and *Boleosoma* were about equally abundant. *Pimephales notatus* and *Semotilus bullaris* were peculiar to Taylorville Creek, while *Hybognathus nuchalis regius* and *Esox americanus* were only found in Knowles, and *Catostomus* occurred in both. This is the first instance of *Pimephales* in this section, though I have it from further west, or the Schuylkill. *Rhinichthys* was the only fish found in Cuta-loosa Creek. In Brock Creek near Roelofs, *Esox americanus*, *Notropis cornutus*, *Erimyzon sucetta oblongus* and *Boleosoma* were found, the last two also occurring in isolated pools in the course of Common Creek near Fallsington, associated with *Notropis bifrenatus*, *Aphredoderus sayanus* and *Enneacanthus gloriosus*. The last species was also met with in the creek near the village of Penn's Manor, with *Abramis crysoleucas*, *Ameiurus nebulosus*, *Schilbeodes gyrrinus*, *Fundulus diaphanus*, *Apeltes quadracus*, *Lepomis auritus* and *Eupomotis gibbosus*. In Chester County, in the various headwaters of the White Clay Creek, near Londongrove, only *Salvelinus fontinalis*, *Rhinichthys* and *Boleosoma* were met with abundantly.

HENRY W. FOWLER

ACADEMY OF NATURAL SCIENCES
OF PHILADELPHIA,
October 31, 1914

THE CONVOCATION WEEK MEETING OF SCIENTIFIC SOCIETIES

THE American Association for the Advancement of Science and the national scientific societies named below will meet at Philadelphia, during convocation week, beginning on December 28, 1914:

American Association for the Advancement of Science.—President, Dr. Charles W. Eliot, Harvard University; retiring president, Professor Edmund B. Wilson, Columbia University; permanent secretary, Dr. L. O. Howard, Smithsonian Institution, Washington, D. C.; general secretary,

Professor William A. Worsham, Jr., State College of Agriculture, Athens, Ga.; secretary of the council, Mr. Henry Skinner, Academy of Natural Sciences, Logan Square, Philadelphia, Pa.

Section A—Mathematics and Astronomy.—Vice-president, Professor Henry S. White, Vassar College; secretary, Professor Forest R. Moulton, University of Chicago, Chicago, Ill.

Section B—Physics.—Vice-president, Professor Anthony Zeleny, University of Minnesota; secretary, Dr. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Section C—Chemistry.—Vice-president, Provost Edgar F. Smith, University of Pennsylvania; secretary, Dr. John Johnston, Geophysical Laboratory, Washington, D. C.

Section D—Mechanical Science and Engineering.—Vice-president, Albert Noble, New York; secretary, Professor Arthur H. Blanchard, Columbia University, New York City.

Section E—Geology and Geography.—Vice-president, Professor U. S. Grant, Northwestern University; secretary, Professor George F. Kay, University of Iowa.

Section F—Zoology.—Vice-president, Professor Frank R. Lillie, University of Chicago; secretary, Professor Herbert V. Neal, Tufts College, Mass.

Section G—Botany.—Vice-president, Dr. G. P. Clinton, Connecticut Agricultural Experiment Station; secretary, Professor W. J. V. Osterhout, Harvard University, Cambridge, Mass.

Section H—Anthropology and Psychology.—Vice-president, Dr. Clark Wissler, American Museum of Natural History; secretary, Professor George Grant MacCurdy, Yale University, New Haven, Conn.

Section I—Social and Economic Science.—Secretary, Seymour C. Loomis, 69 Church St., New Haven, Conn.

Section K—Physiology and Experimental Medicine.—Vice-president, Professor Richard Mills Pearce, University of Pennsylvania; secretary, Dr. Donald R. Hooker, Johns Hopkins Medical School, Baltimore, Md.

Section L—Education.—Vice-president, Professor Paul H. Hanus, Harvard University; secretary, Dr. Stuart A. Courtis, Liggett School, Detroit, Mich.

Section M—Agriculture.—Vice-president, Professor L. H. Bailey, Cornell University; secretary, Dr. E. W. Allen, U. S. Department of Agriculture, Washington, D. C.

The American Physical Society.—Convocation

Week. President, Professor Ernest Merritt, Cornell University; secretary, Professor A. D. Cole, Ohio State University, Columbus, Ohio.

The American Federation of Teachers of the Mathematical and the Natural Sciences.—December 29. President, Professor C. R. Mann, Carnegie Foundation, New York City; secretary, Dr. Wm. A. Hedrick, McKinley Manual Training School, Washington, D. C.

The American Society of Naturalists.—December 31. President, Professor Samuel F. Clarke, Williams College; secretary, Dr. Bradley M. Davis, University of Pennsylvania, Philadelphia, Pa.

The American Society of Zoologists.—December 29–31. President, Professor C. E. McClung, University of Pennsylvania; secretary, Dr. Caswell Grave, The Johns Hopkins University, Baltimore, Md.

The Society of American Bacteriologists.—December 29–31. President, Professor Charles E. Marshall, Massachusetts Agricultural College; secretary, Dr. A. Parker Hitchens, Glenolden, Pa.

The Entomological Society of America.—December 31–January 1. President, Professor Philip P. Calvert, University of Pennsylvania; secretary, Professor Alexander D. MacGillivray, University of Illinois, Urbana, Ill.

The American Association of Economic Entomologists.—December 28–31. President, Professor H. T. Fernald, Amherst College; secretary, A. F. Burgess, Melrose Highlands, Mass.

The Geological Society of America.—December 29–31. President, Dr. George F. Becker, U. S. Geological Survey, Washington, D. C.; secretary, Dr. Edmund Otis Hovey, American Museum of Natural History, New York City.

The Paleontological Society.—December 29–31. President, Dr. Henry F. Osborn, American Museum of Natural History, New York City; secretary, Dr. R. S. Bassler, U. S. National Museum, Washington, D. C.

The Botanical Society of America.—December 29–January 1. President, Dr. A. S. Hitchcock, U. S. Department of Agriculture; secretary, Dr. George T. Moore, Botanical Garden, St. Louis, Mo.

The American Phytopathological Society.—December 29–January 1. President, Dr. Haven Metcalf, U. S. Department of Agriculture; secretary, Dr. C. L. Shear, U. S. Department of Agriculture, Washington, D. C.

American Fern Society.—December 28–29. Secretary, Charles A. Weatherby, 749 Main St., East Hartford, Conn.

Sullivant Moss Society.—December 30. Secretary, Edward B. Chamberlain, 18 West 89th St., New York, N. Y.

American Nature-Study Society.—December 30-31. Secretary, Professor E. R. Downing, University of Chicago, Chicago, Ill.

School Garden Association of America.—December 29-30. President, Van Evrie Kilpatrick, 124 West 30th St., New York, N. Y.

American Alpine Club.—January 2. Secretary, Howard Palmer, New London, Conn.

American Association of Official Horticultural Inspectors.—December 29-30. Chairman, Dr. W. E. Britton, New Haven; secretary, Professor J. G. Saunders, Madison, Wis.

The American Microscopical Society.—December 29. President, Professor Charles Brookover, Little Rock, Ark.; secretary, T. W. Galloway, James Millikin University, Decatur, Ill.

The American Anthropological Association.—December 28-31. President, Professor Roland B. Dixon, Harvard University; secretary, Professor George Grant MacCurdy, Yale University, New Haven, Conn.

The American Folk-Lore Society.—Convocation Week. President, Dr. P. E. Goddard, American Museum of Natural History, New York City; secretary, Dr. Charles Peabody, 197 Brattle St., Cambridge, Mass.

The American Psychological Association.—December 30-January 1. President, Professor R. S. Woodworth, Columbia University; secretary, Professor R. M. Ogden, University of Tennessee, Nashville, Tenn.

The Southern Society for Philosophy and Psychology.—December 31-January 1. President, Professor John B. Watson, The Johns Hopkins University; secretary, Professor W. C. Ruediger, George Washington University, Washington, D. C.

The American Association for Labor Legislation.—December 28-29. President, Professor Henry R. Seager, Columbia University; secretary, Dr. John B. Andrews, 131 East 23d St., New York City.

Society of Sigma XI.—December 29. President, Professor J. McKeen Cattell, Columbia University; secretary, Professor Henry B. Ward, University of Illinois, Urbana, Ill.

ST. LOUIS

The American Physiological Society.—December 28-30. President, Professor W. B. Cannon, Harvard Medical School, Boston, Mass.; secretary,

Professor A. J. Carlson, University of Chicago, Chicago, Ill.

The Association of American Anatomists.—December 28-30. President, Professor G. Carl Huber, University of Michigan; secretary, Dr. Charles R. Stockard, Cornell University Medical School, New York City.

The American Society of Biological Chemists.—December 28-30. President, Professor Graham Lusk, Cornell University Medical School; secretary, Professor Philip A. Shaffer, Washington University Medical School, St. Louis, Mo.

The Society for Pharmacology and Experimental Therapeutics.—December 28-30. President, Dr. Torald Sollmann, Western Reserve University Medical School, Cleveland, Ohio; secretary, Dr. John Auer, Rockefeller Institute for Medical Research, New York City.

The American Society for Experimental Pathology.—December 28-30. President, Professor Richard M. Pearce, University of Pennsylvania; secretary, Dr. George L. Whipple, San Francisco, Cal.

CHICAGO

American Mathematical Society.—December 28-29. President, Professor E. B. Van Vleck, University of Wisconsin.

The Association of American Geographers.—December 29-31. President, Professor A. P. Brigham, Colgate University; secretary, Professor Isaiah Bowman, Yale University, New Haven, Conn.

The American Philosophical Association.—December 28-30. President, Professor J. H. Tufts, University of Chicago; secretary, Professor E. G. Spaulding, Princeton, N. J.

PRINCETON

The American Economic Association.—December 28-31. President, Professor John D. Gray, University of Minnesota; secretary, Professor Allyn A. Young, Cornell University, Ithaca, N. Y.

The American Sociological Society.—December 28-31. President, Professor E. A. Ross, University of Wisconsin; secretary, Professor Scott E. W. Bedford, University of Chicago, Chicago, Ill.

NEW YORK CITY

The American Mathematical Society.—January 1-2. President, Professor E. B. Van Vleck, University of Wisconsin; secretary, Professor F. N. Cole, 501 West 116th St., New York City.