

SUPPLEMENT TO LIST OF PUBLICATIONS OF THE UNITED STATES FISH COMMISSION AVAILABLE FOR DISTRIBUTION.

Of the publications available for distribution on December 1, 1901, the following pamphlets are now out of print and can not be furnished: Nos. 165, 166, 222, 223, 224, 290, 320, 345, 397.

Besides the publications enumerated in the list of December 1, 1901, the following have been issued and are available for distribution:

BOUND VOLUMES.

Designation.	For the year—	Pub-lished.	Pages.	Plates.
Annual Report:				
Part XXVII	1901	1902	VI+844	87
Annual Bulletin:				
Vol. XX, first part	1900	1902	XV+524	52, 17+IV+XXXVIII
Vol. XX, second part	1900	1902	VIII+416	A+XII
Vol. XXI	1901	1902	VII+476	22, XLIV+A

PAMPHLETS.

Serial No.

481. Report of the Commissioner for the year ending June 30, 1901, including the reports of divisions of fish-culture, scientific inquiry, and fisheries, by George M. Bowers. Report for 1901, pp. 1-170, plates 1-5. 1902.
482. Publications of the United States Commission of Fish and Fisheries available for distribution on December 1, 1901. Report for 1901, pp. 177-192. 1902.
483. Notes on the fishes and mollusks of Lake Chautauqua, New York, by B. W. Evermann and E. L. Goldsborough. Report for 1901, pp. 169-175. 1902.
484. The foraminifera of Porto Rico, by James M. Flint. Bulletin for 1900, pp. 415, 416. 1901.
485. Description of a new species of blenny from Japan, by Hugh M. Smith. Bulletin for 1901, pp. 93, 94. 1902.
486. List of species of fishes known to occur in the Great Lakes or their connecting waters, by Barton Warren Evermann. Bulletin for 1901, pp. 95, 96. 1902.
487. Preservation of fishery products by drying and dry-salting, by Charles H. Stevenson. Bulletin for 1898, pp. 389-424. 1902.
488. Preparation of fish eggs for food, by Charles H. Stevenson. Bulletin for 1898, pp. 541-548. 1902.
489. Refrigeration, or preservation by low temperature, by Charles H. Stevenson. Bulletin for 1898, pp. 358-388. 1902.
490. Preservation of fishery products by smoking, by Charles H. Stevenson. Bulletin for 1898, pp. 474-506. 1902.
491. Notes on the tagging of four thousand adult cod at Woods Hole, Mass., by Hugh M. Smith. Report for 1901, pp. 193-208. 1902.
492. Notes on the silversides of the genus *Menidia* of the east coast of the United States, with descriptions of two new subspecies, by W. C. Kendall. Report for 1901, pp. 241-267. 1902.
493. Note on the Scotch methods of smoking haddocks, by Hugh M. Smith. Report for 1901, pp. 269-271. 1902.
494. Notes on the fishes of Lake Ontario. An annotated list of the fishes known to occur in Lake Champlain and its tributary waters. An annotated list of the fishes known to occur in the St. Lawrence River, by B. W. Evermann and W. C. Kendall. Report for 1901, pp. 209-240. 1902.

495. A report on fishes collected in Mexico and Central America, with notes and descriptions of five new species, by B. W. Evermann and E. L. Goldsborough. Bulletin for 1901, pp. 137-159. 1902.
496. The organic constituents of the scales of fish, by E. H. Green and R. W. Tower. Bulletin for 1901, pp. 97-102. 1902.
497. The reactions of copepods to various stimuli and the bearing of this on daily depth migrations, by G. H. Parker. Bulletin for 1901, pp. 103-123. 1902.
498. The gas in the swim-bladder of fishes. Biliary calculi in the squeteague, by R. W. Tower. Bulletin for 1901, pp. 125-135, plate XXI. 1902.
499. Description of a new species of shad (*Alosa ohioensis*), with notes on other food-fishes of the Ohio River, by Barton Warren Evermann. Report for 1901, pp. 273-288. 1902.
500. The reproductive period in the lobster, by Francis H. Herrick. Bulletin for 1901, pp. 161-166. 1902.
501. Notes on five food-fishes of Lake Buhí, Luzon, Philippine Islands, by Hugh M. Smith. Bulletin for 1901, pp. 167-171, plate 22. 1902.
502. Marine protozoa from Woods Hole, by Gary N. Calkins. Bulletin for 1901, pp. 413-468. 1902.
503. Notes on a species of barnacle (*Dichelaspis*) parasitic on the gills of edible crabs, by Robert E. Coker. Bulletin for 1901, pp. 399-412. 1902.
504. The fishes and fisheries of the Hawaiian Islands. A preliminary report, by D. S. Jordan and B. W. Evermann. Commercial fisheries of the Hawaiian Islands, by J. N. Cobb. Report for 1901, pp. 353-499, plates 21-27. 1902.
505. Notes on the fisheries of the Pacific Coast in 1899, by William A. Wilcox. Report for 1901, pp. 501-574, plates 28, 29. 1902.
506. Statistics of fisheries of the Great Lakes. Report for 1901, pp. 575-657. 1902.
507. Statistics of the fisheries of the Mississippi River and tributaries. Report for 1901, pp. 659-740. 1902.
508. The Pan-American Exposition. Report of representative of the U. S. Fish Commission, by W. de C. Ravenel. Report for 1901, pp. 289-351, pls. 6-20. 1902.
509. Notes on the boats, apparatus, and fishing methods employed by the natives of the South Sea Islands, and the results of fishing trials by the *Albatross*, by A. B. Alexander. Report for 1901, pp. 741-829, plates 30-37. 1902.
510. The salmon and salmon fisheries of Alaska. Report of the Alaskan salmon investigations of the United States Fish Commission steamer *Albatross* in 1900 and 1901, by Jefferson F. Moser. Bulletin for 1901, pp. 173-398 and 399-401, plates I-XIV, plate A, and charts A, B. 1902.
511. Observations on the herring fisheries of England, Scotland, and Holland, by Hugh M. Smith. Bulletin for 1902, pp. 1-16, plates 1 and 2. 1903.
512. Japanese oyster culture, by Bashford Dean. Bulletin for 1902, pp. 17-37, plates 3-7. 1903.
513. The habits and culture of the black bass, by Dwight Lydell. Bulletin for 1902, pp. 39-44, plate 8. 1903.
514. Hearing and allied senses in fishes, by G. H. Parker. Bulletin for 1902, pp. 45-64, plate 9. 1903.
515. Natural history of the quinnat salmon. A report on investigations in the Sacramento River, 1896-1901, by Cloudsley Rutter. Bulletin for 1902, pp. 65-141, plates 10-18. 1903.
516. Notes on fishes from streams and lakes of northeastern California not tributary to the Sacramento Basin, by Cloudsley Rutter. Bulletin for 1902, pp. 145-148. 1903.
517. Breeding habits of the yellow cat-fish, by Hugh M. Smith and L. G. Harron. Bulletin for 1902, pp. 151-154. 1903.
518. The destruction of trout fry by hydra, by A. E. Beardsley. Bulletin for 1902, pp. 157-160. 1903.
519. Artificial propagation of the salmon of the Pacific coast. Revised edition of Fish Manual, pp. 1-15, plates 3-10. 1903.
520. Artificial propagation of the lake trout, grayling, and white-fish. Revised edition of Fish Manual, pp. 91-120, plates 30-39. 1903.
521. Artificial propagation of the shad and pike perch. Revised edition of Fish Manual, pp. 121-145 and 165-179, plates 40-46 and 51-52. 1903.
522. Artificial propagation of marine species of fishes. Revised edition of Fish Manual, pp. 195-238, plates 54-63. 1903.
523. Descriptions of new genera and species of fishes from the Hawaiian Islands, by D. S. Jordan and B. W. Evermann. Bulletin for 1902, pp. 161-208. 1903.
524. Report of the Commissioner for the year ending June 30, 1902, including the reports of divisions of fish culture, scientific inquiry, and fisheries, by George M. Bowers. Report for 1902, pp. 1-160, plates 1-5. 1903.

The following are in press and will soon be available:

525. Descriptions of a new genus and two new species of fishes from the Hawaiian Islands, by David Starr Jordan and Barton Warren Evermann. Bulletin for 1902, pp. 209-210. 1903.
526. The fresh-water fishes of western Cuba, by Carl H. Eigenmann. Bulletin for 1902, pp. 211-236, plates 19-21. 1903.
527. The organ and sense of taste in fishes, by C. Judson Herrick. Bulletin for 1902, pp. 237-272. 1903.
528. Rotatoria of the United States. II.—A monograph of the *Rattulida*, by H. S. Jennings. Bulletin for 1902, pp. 273-352, plates 1-xv. 1903.
529. The plankton algæ of Lake Erie, with special reference to the *Chlorophyceæ*, by Julia W. Snow. Bulletin for 1902, pp. 369-394, plates 1-iv. 1903.
530. Description of a new species of darter from Tippecanoe Lake, by William J. Moenkhaus. Bulletin for 1902, pp. 395-398. 1903.
531. Notes on some fresh-water fishes from Maine, by W. C. Kendall. Bulletin for 1902, pp. 353-368. 1903.
532. Habits of some of the commercial cat-fishes, by W. C. Kendall. Bulletin for 1902, pp. 399-409. 1903.
533. A more complete description of *Bacterium trutta*, by M. C. Marsh. Bulletin for 1902, pp. 411-416, plates 1 and 2. 1903.
534. Report on collections of fishes made in the Hawaiian Islands, with descriptions of new species, by Oliver P. Jenkins. Bulletin for 1902, pp. 417-511, plates 1-iv. 1903.
535. The sponge fishery of Florida in 1900, by J. N. Cobb. Report for 1902, pp. 161-175, plates 6-9. 1903.
536. Aquatic products in arts and industries, by C. H. Stevenson. Report for 1902, pp. 177-279, plates 10-25. 1903.
537. The utilization of the skins of aquatic animals, by C. H. Stevenson. Report for 1902, pp. 281-352, plates 26-38. 1903.
538. List of the common names of the basses and sun-fishes, by Hugh M. Smith. Report for 1902, pp. 353-366. 1903.
539. The fisheries and fish trade of Porto Rico, by W. A. Wilcox. Report for 1902, pp. 367-395. 1903.
540. Statistics of the fisheries of the Middle Atlantic States. Report for 1902, pp. 433-540. 1903.
541. Records of dredging and other collecting stations of the U. S. Fish Commission steamer *Albatross* in 1901 and 1902. Report for 1902, pp. 397-432. 1903.
542. Isopods collected at the Hawaiian Islands by the U. S. Fish Commission steamer *Albatross*, by Harriet Richardson, Ph. D. Bulletin for 1903, pp. 47-54. 1903.
543. Birds of Laysan and the Leeward Islands, Hawaiian group, by Walter K. Fisher. Bulletin for 1903, pp. 1-39, plates 1-10. 1903.
544. Notes on a porpoise of the genus *Prodelphinus* from the Hawaiian Islands, by Frederick W. True. Bulletin for 1903, pp. 41-45, plates 1 and 2. 1903.

WASHINGTON, D. C., June 30, 1903.