13.—CHRONOLOGICAL LIST OF PAMPHLET PUBLICATIONS OF THE U. S. FISH COMMISSION FROM ITS ORGANIZATION IN 1871 TO JANUARY, 1885.

By CHAS. W. SMILEY and CHAS. W. SCUDDER.

1872.

1. *†[36] Baird, Spencer F. Memoranda of inquiry relative to the food-fishes of the United States.
   [From Report for 1871-’72, pp. 1-3; also by Smithsonian Institution No. 231, in Misc. Coll. X.]

2. *[37] Baird, Spencer F. Questions relative to the food-fishes of the United States.
   [From Report for 1871-’72, pp. 3-6; also by Smithsonian Institution No. 234, in Misc. Coll. X.]

1873.

   [From Report for 1871-’72, pp. i-xli.]

1874.

   [From Report for 1872-’73, pp. i-xcii.]

5. *[880] Smith, Sidney I. The crustacea of the fresh waters of the United States.
   [From Report for 1872-’73, pp. 637-665, pl. 3.]

   [From Report for 1872-’73, pp. 690-707.]

7. *[882] Smith, Sidney I. Food of fresh-water fishes.
   [From Report for 1872-’73, pp. 708, 709.]

   [From Report for 1872-’73, pp. 666-689.]

* This and all other items marked with the asterisk are out of print, and copies cannot be furnished.
   [From Report for 1872-73, pp. 710-728, pl. 2.]

1876.

   [From Report for 1873-74 and 1874-75, pp. 691-717.]

1877.


1878.

   [From Report for 1875-76, pp. 1-50.]

1879.

   [From Report for 1877, pp. 268-271.]

19. †GOODE, G. BROWN and TARLTON H. BEAN. List of the fishes of Essex County, including those of Massachusetts Bay, according to the latest results of the work of the United States Fish Commission.
   [From the Bulletin of the Essex Institute, vol. xi, 8°, pp. 38.]

†Not published by the United States Fish Commission, but copies for distribution are on hand.
   [From Report for 1878, pp. 944-965.]
22. [80] BAIRD, SPENCER F., FRANCIS A. WALKER, and G. BROWN GOODE. Returns of circular relating to fish trade and consumption of fish.
   [Published by census, No. 7-02, 2 eds., pp. 3.]
23. *[334] GOODE, G. BROWN. Plan of inquiry into the history and present condition of the fisheries of the United States.
   [From Report for 1880, pp. 3-52.]
   [By the United States Light-House Establishment, pp. 46.]
   [From Report for 1877, pp. 1*-48*.
   [From Report for 1877, pp. 901-972, pl. 3, figs. 5]

1880.

27. [410] HESSEL, RUDOLPH. The carp and its culture in rivers and lakes, and its introduction into America.
   [From Report for 1875-76, pp. 865-900, figs. 6.]
   [From Report for 1878, pp. xv-lxiv.]

1881.

29. *[70] BAIRD, SPENCER F. Circular in reference to shipping fresh fish and other animals.
   [Published by the Smithsonian Institution, pp. 4.]
30. [116] BEAN, TARLETON H. Directions for collecting and preserving fish.
   [Published by the Smithsonian Institution, pp. 6.]
   [From Bulletin for 1891, pp. 226-235.]
   [From Report for 1878, pp. 297-462, pl. 13, index.]

33. *[230] Earll, R. Edward. A report on the history and present condition of the shore cod fisheries of Cape Ann, Massachusetts, together with notes on the natural history and artificial propagation of the species.
   [From Report for 1878, pp. 685-740, pl. 3, index.]

   [From Report for 1878, pp. 463-506, pl. 7, index.]


   [From Report for 1879, pp. 1-210, pl. 15, index.]

37. [174] Collins, J. W. Gill nets in the cod-fishery; a description of the Norwegian cod-nets, with directions for their use, and a history of their introduction into the United States.
   [From Bulletin for 1881, pp. 1-17.]

   [By the United States Lighthouse Establishment, pp. 51.]

1882.

   [Published by the Smithsonian Institution, 8°, No. 3961, pp. 8]

   [From Report for 1879, pp. 525-557.]

41. [879] Smith, Sanderson, and Richard Rathbun. Lists of the dredging stations of the United States Fish Commission from 1871 to 1879, inclusive, with temperature and other observations.
   [From Report for 1879, pp. 559-601.]

42. [972] Verrill, A. E. Report on the cephalopods of the northeastern coast of America.
   [From Report for 1879, pp. 211-455, pl. 46, index.]
43. [850] Scudder, Newton P. The halibut fishery, Davis' Strait.
   [From Report for 1880, pp. 189-298, index.]
44. [76] Baird, Spencer F. Memoranda for the construction of a
   harbor of refuge at Wood's Holl, Mass.
   [In circular form, type-written and lithographed, 4°., pp. 6.]
   [Census Bulletin No. 278, p. 47.]
   A.—Inquiry into the decrease of food fishes. B.—The propagation
   of food-fishes in the waters of the United States.
   [From Report for 1879, pp. xi-li.]
47. *[1019] Wright, Harrison, chairman of the committee. Report
   of a committee of the Wyoming Historical and Geological Society
   on the early shad fisheries of the north branch of the Susque-
   hanna River.
   [From Bulletin for 1881, pp. 352-359.]
   of nineteen new species of fishes from the Bay of Panama.
   [From Bulletin for 1881, pp. 306-335.]
49. [74] Baird, Spencer F. Laws and regulations of the United States
   Fish Commission, pp. 32.
50. [75] Baird, Spencer F. Classification of exhibits at London
   Fishery Exhibition, pp. 3.
1883.
   [From Report for 1880, pp. 287-332, pl. 24, index.]
52. [1067] Goode, G. Brown, Joseph W. Collins, R. E. Earll, and
   A. Howard Clark. Materials for a history of the mackerel
   fishery.
53. *[77] Baird, Spencer F. Inducements offered fishermen to furn-
   ish shad eggs for the United States Commission of Fish and
   Fisheries.
   [From Bulletin for 1882, pp. 389-391.]
54. Baird, Spencer F. Preliminary catalogue and synopsis of the
   collections exhibited by the United States Fish Commission and
   by special exhibitors, with a concordance to the official classifica-
   tion of the exhibition.
   [London Exhibition, part A, pp. 107.]
55. Rathbun, Richard. Collection of economic crustaceans, worms,
   echinoderms, and sponges.
   [London Exhibition, part B, pp. 31.]
   [London Exhibition, part C, pp. 46.]

   [London Exhibition, part D, pp. 86.]

   [London Exhibition, part E, pp. 116.]

   [London Exhibition, part F, pp. 124.]

60. [232] Earll, R. Edward. The Spanish mackerel, **Cymatium maculatum** (Mitch.) Ag.; its natural history and artificial propagation, with an account of the origin and development of the fishery.
   [From Report for 1880, pp. 395-426.]


   [From Report for 1880, pp. xvii-xlvi.]

63. *[789] Potts, Edward. Fresh-water sponges. What, where, when, and who wants them.
   [From Bulletin for 1883, pp. 389-391.]

64. Smiley, Charles W. Carp and carp ponds: (1) Answer to 118 questions relative to German carp; (2) Directions concerning the construction of carp ponds.
   [From Bulletin for 1883, pp. 241-256.]

1884.

   [From Report for 1881, pp. xiii-lxxi.]

66. Smiley, Charles W. Special Bulletin: (1) Notes on the edible qualities of German carp and hints about cooking them; (2) The German carp and its introduction in the United States.
   [From Bulletin for 1883, pp. 305-336.]

67. Ryder, John A. Rearing oysters from artificially fertilized eggs, together with notes on pond-culture, &c.
   [From Bulletin for 1883, pp. 281-294.]
68. WEBSTER, H. E. and JAMES E. BENEDICT. The Annelida chaeto-
poda from Provincetown and Wellfleet, Massachusetts.
   [From Report for 1881, pp. 699-747.]

69. RATHBUN, RICHARD. Descriptive catalogue of the collection illus-
trating the scientific investigation of the sea and fresh waters.
   [London Exhibition, part G, pp. 109.]

70. TANNER, Z. L. Report on the construction and work in 1880 of the
Fish Commission steamer Fish Hawk.
   [From Report for 1881, pp. 3-53.]

71. RYDER, JOHN A. A contribution to the embryography of osseous
fishes, with special reference to the development of the Cod
(Gadus Morhua).
   [From Report for 1882, pp. 455-605.]

72. McDONALD, MARSHALL. Report submitting plans and specifica-
tions of the fishways for the Great Falls of the Potomac River,
pp. 1-22.

73. BAIRED, G. W. Annual report on the electric lighting of the United
States steamer Albatross, December 31, 1883.
   [From Bulletin for 1884, pp. 153-158.]

74. TRUE, FREDERICK W. Catalogue of the aquatic mammals ex-
hibited by the United States National Museum.
   [London Exhibition, Part H, pp. 22.]

75. GOODE, G. BROWN. The status of the United States Fish Com-
mission in 1884. A review of what has been accomplished in
fish-culture, and the investigation of the American fisheries.
   [From Report for 1884, pp. 1-42.]

76. RYDER, JOHN A. On the preservation of embryonic materials
and small organisms, together with hints upon embedding and
mounting sections serially.
   [From Report for 1882, pp. 607-629.]

77. BAIRED, SPENCER F. Report of the Commissioner for 1882. A.—
Inquiry into the decrease of food-fishes. B.—The propagation
of food-fishes in the waters of the United States.
   [From Report for 1882, pp. xvi, xclii.]

78. SMITH, SIDNEY I. Report on the decapod crustacea of the Al-
batross dredgings off the east coast of the United States in 1883.
   [From Report for 1882, pp. 345-426.]

79. TANNER, Z. L. Report on the work of the U. S. Fish Commission
steamer Fish Hawk, for the year ending December 31, 1882, and
on the construction of the steamer Albatross.
   [From Report for 1882, pp. 3-34.]
[From Report for 1882, pp. 43-52.]

[From Report for 1882, pp. 237-294.]

82. Collins, J. W. Notes on the habits and methods of capture of various species of sea-birds that occur on the fishing banks of the eastern coast of North America, and which are used as bait for catching codfish by New England fishermen.
[From Report for 1882, pp. 311-338.]

83. Verrill, A. E. Notice of the remarkable marine fauna occupying the outer banks off the southern coast of New England, and of some additions to the fauna of Vineyard Sound.
[From Report for 1882, pp. 641-669.]

84. Verrill, A. E. Physical characters of the portion of the continental border beneath the Gulf Stream explored by the Fish Hawk, 1880 to 1882.
[From Report for 1882, pp. 1045-1057.]

85. Smiley, Charles W. Report on the distribution of carp to July 1, 1881, from young reared in 1879 and 1880.
[From Report for 1882, pp. 943-988.]

86. Bean, Tarleton H. List of the fishes distributed by the United States Fish Commission.
[From Report for 1882, pp. 1039-1044.]

87. Bean, Tarleton H. List of fishes collected by the United States Fish Commission at Wood's Holl, Mass., during the summer of 1881.
[From Report for 1882, pp. 339-344.]

88. Smiley, Charles W. The influence of artificial propagation upon production. Illustrated by the salmon work of the Sacramento River, California.
[From Bulletin for 1884, pp. 201, 202.]

89. True, Frederick W. Suggestions to the keepers of the United States life-saving stations, light-houses, and light-ships, and to other observers, relative to the best means of collecting and preserving specimens of whales and porpoises.
[From Report for 1884, pp. 1-26.]

90. Shufelt, R. W. The Osteology of Amia calva: including certain special references to the skeleton of Teleosteans.
[From Report for 1883, pp. 1-132.]