CONCORDANCE

TO THE

OFFICIAL CLASSIFICATION

FOR THE USE OF THE JURIES.
NOTE.

In the collective exhibit of the United States are included many articles which are labeled with the names of the persons from whom they were obtained. These are not, as a rule, entered for competition.

In the following list are included the names of all exhibitors who will be permitted to receive awards or special mention from the juries.

The artists and preparators by whom the pictures, photographs, casts, stuffed specimens, lay models, &c., have been prepared, may be classed as exhibitors. A list of their names is given at the beginning of this catalogue.

CLASS I.—FISHING.

SECTION I.—SEA FISHING.

DIVISION 1.

(1.) Gear of every description and of all nations used in Trawl, Herring, Long Line, Hand Line, and every other mode or system of Fishing, including all Nets, Lines, Hooks, Harpoons, Tackle, &c., employed in the same.

United States Commission of Fish and Fisheries. Collective Exhibit. Groups 47, 48, 50, 51, 52, 53, 59, 60, 61, 62, 63, 64, 67, 68, 69, 70, 72, 73, 74, 75, 78, 80, 81, 82, 83, 115, 116, 117, 118, 120, 121.

F. S. ALLEN, New Bedford, Massachusetts.
AMERICAN NET AND TWINE COMPANY, Boston, Massachusetts.
JAMES BARTON, New Bedford, Massachusetts.
JONATHAN BOURNE, New Bedford, Massachusetts.
JUNIUS A. BRAND, Norwich, Connecticut.
LUTHER COLE, New Bedford, Massachusetts.
PAUL E. COLLINS, Boston, Massachusetts.
D. CONNELL, Provincetown, Massachusetts.
STEPHEN COOK, Provincetown, Massachusetts.
PATRICK CUNNINGHAM, New Bedford, Massachusetts.
J. W. DRESSER, Castine, Maine.
JAMES D. DRIGGS, New Bedford, Massachusetts.
SELMAR EGGERS, Sr., New Bedford, Massachusetts.
SELMAR EGGERS, Jr., New Bedford, Massachusetts.
HENRY W. ELLIOTT, Washington, District of Columbia.
 DANIEL KELLEHER, New Bedford, Massachusetts.
 THOMAS KNOWLES & Co., New Bedford, Massachusetts.
 WILLIAM LEWIS, New Bedford, Massachusetts.
 JOHN McCULLOUGH, New Bedford, Massachusetts.
 MACKEY & PINDAR, New Bedford, Massachusetts.
 JOSEPH B. MACY, Nantucket, Massachusetts.
 C. B. MARCHANT, Edgartown, Massachusetts.
 H. W. MASON, New Bedford, Massachusetts.
 GEORGE MERCHANT, Jr., Gloucester, Massachusetts.
 NEW BEDFORD CORDAGE COMPANY, New Bedford, Massachusetts.
 NICKERSON & BAXTER, Boston, Massachusetts.
 JAMES C. OSBORNE, Edgartown, Massachusetts.
 SAMUEL OSBORNE, Jr., & Sons, Edgartown, Massachusetts.
 THOMAS B. PADDOCK, Nantucket, Massachusetts.
 Capt. WILLIAM B. PARSONS, Rockport, Massachusetts.
 WILLIAM PHILLIPS & Son, New Bedford, Massachusetts.
 Capt. Eben Pierce, New Bedford, Massachusetts.
 G. W. PROCTOR, San Miguel, California.
 WILLIAM ROBERTS, Provincetown, Massachusetts.
 JOHN A. SAWYER, New Bedford, Massachusetts.
 I. A. SMALL, Provincetown, Massachusetts.
 SETH SMITH, Provincetown, Massachusetts.
 LOUM SNOW & COMPANY, New Bedford, Massachusetts.
 JIREH SWIFT, New Bedford, Massachusetts.
 WILLIAM TAYLOR, Portland, Maine.

DIVISION 2.

(2.) Oyster Dredges, Crab, Lobster, Prawn, &c., Pots, and other appliances for catching fish of this description.
BENJAMIN BAKER, 2d, New Bedford, Massachusetts.
WILLIAM P. HAYWOOD, West Creek, Ocean County, New York.

JOHN A. SAWYER, New Bedford, Massachusetts.

(3.) Fishing Craft of all nations; models and representations of the same.

DIVISION 3.

(i.) Steam Fishing vessels and steam carriers.
JOSEPH W. COLLINS, Gloucester, Massachusetts.
Division 4.

(ii.) Fishing vessels and boats other than steam vessels.
J. H. Bartlett & Sons, New Bedford, Massachusetts.
J. W. Collins, Gloucester, Massachusetts.
H. & S. Cook, Provincetown, Massachusetts.
Al. Foster, New York city.
Thomas A. Irving, Provincetown, Massachusetts.
George Woltz, Washington.

Division 5.

(4.) Ropes and canvas suitable to fishing vessels.
Chresten Nelsen, Gloucester, Massachusetts.
Old Colony Mills, Plymouth, Massachusetts.
Russell Mills Company, Plymouth, Massachusetts.
Sewell, Day & Co., Boston, Massachusetts.
James M. Simms, Gloucester, Massachusetts.
Woodbury Mills, Baltimore, Maryland.

Division 6.

(5.) Steam Capstans, Compasses, Barometers, Telescopes, Lights, Lamps, Fog Horns, Systems of Signaling at night for Fishing Fleets and Vessels, Electric Lights, Luminous Paint, and other equipment of Fishing Vessels, Charts for Fishermen.
United States Navy, Hydrographic Office.
United States Navy, Nautical Almanac Office.
United States Treasury, Light-House Board.
United States Coast and Geodetic Survey.
Mayhew Adams, Chilmark, Massachusetts.
Frederick S. Allen, Cuttyhunk, Massachusetts.
American Ship Windlass Company, Providence, Rhode Island.
Atwood Bros., Clayton, New York.
Bagnall & Loud, Boston, Massachusetts.
Charles Carpenter, Kelley’s Island, Ohio.
James B. Clark, Chester, Connecticut.
FISHERIES OF THE UNITED STATES.

HENRY CLAY, New Bedford, Massachusetts.
J. W. COFFIN, Edgartown, Massachusetts.
JOSEPH W. COLLINS, Gloucester, Massachusetts.
FRANK E. DAVIS, Gloucester, Massachusetts.
MRS. E. A. GANNETT, Edgartown, Massachusetts.
JOHN P. KNOWLES, 2d, New Bedford, Massachusetts.
JOHN W. NORTON, Edgartown, Massachusetts.
THOMAS M. PEAKES, Edgartown, Massachusetts.
COMMANDER HENRY T. PICKING, United States Navy.
NATHAN RICHARDSON, Gloucester, Massachusetts.
JAMES H. TARR, Gloucester, Massachusetts.
TARR & WONSON, Gloucester, Massachusetts.
JAMES TAYLOR & JAMES V. COX, New Bedford, Massachusetts.
S. THAXTER & SON, Boston, Massachusetts.
UNITED STATES BEACON LIGHT AND SIGNAL COMPANY, Philadelphia.
ADOLF VOSS, Gloucester, Massachusetts.
O. C. VOSS, Gloucester, Massachusetts.
WILCOX, CRITTEDEN & CO., Middletown, Connecticut.
LIEUTENANT WOOD, United States Navy, United States steamer Fish Hawk.

DIVISION 7.

(6.) Models of Harbors, Piers, and Slips, for Fishing purposes.
HIGGINS & GIFFORD, Gloucester, Massachusetts.

DIVISION 8.

(7.) Fishing Tackle and Netting in different stages of preparation, and machinery used for working up the raw material.
AMERICAN NET AND TWINE COMPANY.
WILLIAM J. HOOBER SONS (Baltimore Twine and Net Company), Baltimore, Maryland.
H. & G. W. LORD, Boston, Massachusetts.

DIVISION 9.

(8.) Life Boats, their equipment, and life-saving apparatus of every description.
UNITED STATES TREASURY, LIFE-SAVING SERVICE.
FISHERIES OF THE UNITED STATES.

UNITED STATES ARMY, SIGNAL SERVICE.
FREDERICK S. ALLEN, Cuttyhunk, Massachusetts.
CENTURY COMPANY, New York City.
HIGGINS & GIFFORD, Gloucester, Massachusetts.
MASSACHUSETTS HUMANE SOCIETY.
THE MILLER BERTH AND LIFE-SAVING MATTRESS COMPANY, Boston, Massachusetts.
H. D. OSTERMOOR & SON, New York City.

DIVISION 10.

(9.) Appliances and methods for breaking the force of the sea at the entrance of Harbors and elsewhere.

DIVISION 11.

(10.) Methods of communication from the shore to Light-Ships and Fishing Fleets by submarine cables.

DIVISION 12.

(11.) Methods of protecting Submarine Cables from injury by Fishing Operations. (Illustrated by models and drawings.)

SECTION II.—FRESH-WATER FISHING.

DIVISION 13.

1. Salmon Nets and fixed appliances for catching Salmonidae in all their varieties.


DIVISION 14.

2. Salmon Rods, Reels, Lines, Artificial Flies and Baits, Gaffs, Spears, Creels, &c.

Conroy & Bissett, New York City.
William Mills & Son, New York City.
William Mitchell, New York City.

DIVISION 15.


Conroy & Bissett, New York City.
Wakeman Holberton, New York City.
William Mills & Son, New York City.
Reuben Wood, Syracuse, New York.
DIVISION 16.

4. Pike, Barbel, and other Coarse Fish-Rods, Reels, and Tackle, Artificial Spinning Baits, &c.

Conroy & Bissett, New York City.
Wakefield Holberton, New York City.
B. C. Milam, Frankfort, Kentucky.
William Mills & Son, New York City.
William Mitchell, New York City.
B. F. Nichols, Boston, Massachusetts.
C. Recht, New York City.
A. B. Shipley & Sons, Philadelphia.
James G. Swan, Port Townsend, Oregon.
Van Altena & Scheltus, Milwaukee, Wisconsin.
Reuben Wood, Syracuse, New York.

DIVISION 17.

5. Traps, Nets, Bucks, Wheels, and all kinds of apparatus for catching Eels, Lampreys, &c.
United States Commission of Fish and Fisheries. Collective Exhibit. Groups 48, 57, 70, 73, 75, 76.

DIVISION 18.

Monroe A. Green, Rochester, New York.

DIVISION 19.

7. Anglers' Apparel of every description.
Albion Ferguson, New York City.
Joseph C. Willetts, Skaneateles, New York.

DIVISION 20.

8. Boats, Punts, Cobles, Collapsible, Portable, &c., in models or otherwise.
James L. Everson, Williamsburg, New York.
Frank Holmes, Chagrin Falls, Ohio.
N. A. Osgood, Battle Creek, Michigan.
CLASS II.—ECONOMIC CONDITION OF FISHERMEN.

DIVISION 21.

1. Apparel and Personal Equipment.
   N. N. Cook, Provincetown, Massachusetts.
   Benjamin F. Drew, Fairhaven, Massachusetts.
   John D. S. Giles.
   George Knowles, Provincetown, Massachusetts.
   George Merchant, Jr., Gloucester, Massachusetts.
   John H. Thompson, New Bedford, Massachusetts.
   A. J. Tower, Boston, Massachusetts.

DIVISION 22.

2. Food and Medicine.
   J. T. Buttrick, New Bedford, Massachusetts.
   W. K. Lewis & Brothers, Boston, Massachusetts.
   Henry Mayo & Co., Boston, Massachusetts.
   L. Pickert & Co., Boston, Massachusetts.
   Potter & Wrightington, Boston, Massachusetts.

DIVISION 23.


DIVISION 24.


CLASS III.—COMMERCIAL AND ECONOMIC.

DIVISION 25.

1. Preparation, Preservation, and Utilization of Fish.
   (a) For edible purposes—
   i. Models of fish-curing establishments. Methods of, and models and other representations of any appliances for, drying, curing, salting, smoking, tinning, cooking, &c.

A. Booth, Baltimore, Maryland.

HENRY SELLMAN, Camden, Maine.

DIVISION 26.

ii. Fish dried, smoked, cured, salted, tinned, or otherwise prepared for food.


CHARLES ALDEN, Gloucester, Massachusetts.

ALBANY BEEF PACKING COMPANY, New York City.

MAX AMS, New York.

BADOLLET & CO. (and TILLAMOOK PACKING COMPANY), Astoria, Oregon.

ARTHUR H. BAILEY & Co., Boston, Massachusetts.

J. W. BEARDSLEY'S SONS, New York City.

A. BOOTH, Baltimore, Chicago, and Astoria.

BURNHAM & MORRILL, Portland, Maine.

CASTINE PACKING COMPANY, Castine, Maine.

CUTTING PACKING COMPANY, San Francisco.

DE BUTTS & DAGGETS, Boston, Massachusetts.

HINE & CO., New York City.

WILLIAM HUME, Astoria, Oregon.

W. K. LEWIS & BROTHERS, Boston, Massachusetts.

MCMENAMIN & CO., Hampton, Virginia.

HENRY MAYO & CO., Boston, Massachusetts.

OREGON PACKING COMPANY (J. W. & V. COOK), Portland, Oregon.

PERKINS & SHURTLEFF, Portland, Maine.

L. PICKERT & CO., Boston, Massachusetts.

PORTLAND PACKING COMPANY, Portland, Maine.

POTTER & WRIGHTINGTON, Boston, Massachusetts.

JAMES QUINN, Quinns, Oregon.

ROSENSTEIN BROTHERS, New York City.

S. SCHMIDT & BROS., New York City.

F. H. SIEWARD & BRO., Baltimore, Maryland.

WOLFF & RIESING, Eastport, Maine.

DIVISION 27.

iii. All products prepared from fish, such as oils, roes, isinglass, &c.


MAX AMS, New York City.
FISHERIES OF THE UNITED STATES.

A. W. DODD & Co., Gloucester, Massachusetts.
S. SCHMIDT & Bro., New York City.
UNITED STATES ALBUMEN MANUFACTURING COMPANY, Osterville, Massachusetts.

DIVISION 28.

iv. Antiseptics suitable for preserving fish for food.

DIVISION 29.

(b) For other than edible purposes—
i. Oils, manures, and other products prepared from fish.
W. A. ABBE, New Bedford, Massachusetts.
ALBANY BEEF PACKING COMPANY, New York City.
J. H. BARTLETT & SONS, New Bedford, Massachusetts.
CALEB COOK, Provincetown, Massachusetts.
A. W. DODD & Co., Gloucester, Massachusetts.
WINFIELD S. DUNAN, Baltimore, Maryland.
GLoucester Isinglass and Glue Company, Gloucester, Massachusetts.
The George W. MILES COMPANY, Milford, Connecticut.
JASPER PRYER, New York City.
RUSSIA CEMENT COMPANY, Gloucester, Massachusetts.
SOLUBLE PACIFIC GUANO COMPANY, Wood's Holl, Massachusetts.

DIVISION 30.

ii. Methods of, and models, and other representations of appliances for, preparing oils and manures from fish.

DIVISION 31.

iii. Sea and fresh-water pearl shells; mother-of-pearl manufactured; pearls sorted.

DIVISION 32.

iv. Preparation and application of sponges, corals, pearls, shells, and all parts and products of aquatic animals, &c., to purposes useful and ornamental, with specimens.

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2. Transport and sale of fish.
   (a) Appliances for carrying fish and for preserving fish during transport or otherwise, and models of the same.
   JAMES BEETLE, New Bedford, Massachusetts.
   A. J. CHASE, Boston, Massachusetts.
   MANN BROTHERS, Chicago, Illinois.
   N. A. OSGOOD, Battle Creek, Michigan.
   RIDGWAY PATENT REFRIGERATOR COMPANY (limited), Philadelphia.

2. Transport and sale of fish.
   (b) Models of fish-markets and appliances connected with the same.
   EUGENE G. BLACKFORD, New York City.
   FAIRBANKS & Co., New York City.
   D. W. LOW, Gloucester, Massachusetts.

CLASS IV.—FISH CULTURE.

1. Models or drawings of fish hatching, breeding, and rearing establishments, including oyster and other shellfish grounds, and all apparatus and implements connected with the same, and for transporting fish and fish ova. Food for fry.
   JAMES ANNIN, Jr., Caledonia, New York.
   STEPHEN H. AINSWORTH, New York.
CHARLES G. ATKINS, Bucksport, Maine.
E. A. BRACKETT, Winchester, Massachusetts.
O. N. BRYAN, Occokeek, Maryland.
OREN M. CHASE, Detroit, Michigan.
H. C. CHESTER, Noank, Connecticut.
FRANK N. CLARK, Northville, Michigan.
A. S. COLLINS, Caledonia, New York.
W. G. DELAWDER, Easton, Maryland.
THOMAS B. FERGUSON, Washington, District of Columbia.
SETH GREEN, Rochester, New York.
MONROE A. GREEN, Rochester, New York.
MARSHALL MCDONALD, Washington, District of Columbia.
FREDERICK MATHER, New York.
JOEL C. PARKER, Grand Rapids, Michigan.
GEORGE RICARDO, Hackensack, New York.
E. M. STILWELL, Bangor, Maine.
LIVINGSTON STONE, Charlestown, New Hampshire.
THOMAS TAYLOR, New Berne, North Carolina.
ISAAC H. WRIGHT, Baltimore, Maryland.
WILLIAM G. WROTEF, Maryland.

DIVISION 36.

2. Representations illustrative of the development and progressive growth of fish.
United States Commission of Fish and Fisheries. Collective Exhibit.
Groups 164, 165, 166.

JAMES ANNIN, Jr., Caledonia, New York.
CHARLES G. ATKINS, Bucksport, Maine.
FRANK N. CLARK, Northville, Michigan.
SETH GREEN, Rochester, New York.
MCKESSON & ROBBINS, New York City.
MARSHALL MCDONALD, Washington, District of Columbia.
LIVINGSTON STONE, Charlestown, New Hampshire.

DIVISION 37.

3. Models and drawings of fish passes and fish ladders.

CHARLES G. ATKINS, Bucksport, Maine.
E. A. BRACKETT, Winchester, Massachusetts.
JAMES D. BREWER, Muncy, Pennsylvania.
F. M. EVERLETH, Waldoboro, Maine.
MARSHALL MACDONALD, Washington, District of Columbia.
ROBERT G. PIKE, Middletown, Connecticut.
FISHERIES OF THE UNITED STATES.

B. F. SHAW, Anamosa, Iowa.
EVERETT SMITH, Portland, Maine.
JAMES WORRALL, Columbia, Pennsylvania.

DIVISION 38.

4. Scientific investigation.
   i. Models and drawing of diseases of fish, with special reference to their origin and cure.

DIVISION 39.

ii. Processes for rendering streams polluted by sewage and chemical and other works innocuous to fish life (illustrated by models and drawings).


DIVISION 40.

iii. Physico chemical investigation into those qualities of salt and fresh water which affect aquatic animals; investigation of the bottom of the sea and of lakes, shown by samples; aquatic plants in relation to fishing, &c.; researches into the aquatic fauna (animals of the several classes preserved in alcohol or prepared, &c.); apparatus and implements used in such researches.


UNITED STATES COAST AND GEODETIC SURVEY.
UNITED STATES NAVY, HYDROGRAPHIC OFFICE.
ALEXANDER AGASSIZ, Museum of Comparative Zoology, Cambridge, Massachusetts.
Passed Assistant Engineer WILLIAM L. BAILIE, U. S. N., United States steamer Fish Hawk.
J. E. BENEDICT, United States steamer Albatross.
H. C. CHESTER, Noank, Connecticut.
Lieut. Z. L. TANNER, U. S. N., United States steamer Albatross.
EDWARD POTTS, Philadelphia, Pennsylvania.
Commander CHARLES D. SIGSBEE, U. S. N.

DIVISION 41.

5. Acclimatization of fish.

FISHERIES OF THE UNITED STATES.

CLASS V.—NATURAL HISTORY.

DIVISION 42.

1. Specimens living (marine and fresh-water), fresh, stuffed, or preserved, casts, drawings, and representations of—
   (a) Algae arranged according to their various species and localities.
   United States Commission of Fish and Fisheries. Collective Exhibit. Groups 34, 35.
   Dr. W. G. Farlow, Harvard College, Cambridge, Massachusetts.

DIVISION 43.

(b) Sponges, in their natural state.
   McKesson & Robbins, New York City.
   Edward Potts, Philadelphia, Pennsylvania.

DIVISION 44.

(c) Corals, in their natural state, polyps, jelly-fish, &c.

DIVISION 45.

(d) Entozoa.

DIVISION 46.

(e) Mollusca of all kinds and shells not included in Class III.

DIVISION 47.

(f) Starfishes, sea-urchins, holothuriae.

DIVISION 48.

(g) Worms used for bait, or noxious; leeches, &c.
(h) Perfect insects and larvae of insects which are destroyers of spawn or serve as food for fish.

Division 50.

(i) Crustacea of all kinds.

Division 51.

(k) Fish of all kinds.
Eugene G. Blackford, New York City.
Walter M. Brackett, Boston, Massachusetts (pictures).
Brush Swan Electric Light Company, New York City.
Mrs. J. H. Freeman, Wellfleet, Massachusetts (pictures).
Fred Mather, New York City.
A. Zeno Shindler, Washington, District of Columbia.
E. M. Stilwell, Bangor, Maine.
H. L. Todd, Washington, District of Columbia (pictures).
Everett P. Wonson, Gloucester, Massachusetts.

Division 52.

(l) Reptiles, such as tortoises, turtles, terrapins, lizards, serpents, frogs, newts, &c.
United States Commission of Fish and Fisheries. Collective Exhibit. Groups 7, 8, 9, 10, 11, 12.
Rudolphus Beetle, New Bedford, Massachusetts.

Division 53.

(m) Aquatic and other birds hostile to fish or fishing.
Wm. T. Hornaday, Washington, District of Columbia.
Division 54.

(a) Aquatic and amphibious mammalia (otters, seals, whales, &c.) and others detrimental to fish.
United States Commission of Fish and Fisheries. Collective Exhibit. Groups 1, 2, 3, 4.
Wm. T. Hornaday, Washington, District of Columbia.
George Knowles, Provincetown, Massachusetts.
G. S. Robinson, Fairhaven, Massachusetts.

Division 55.

2. Works on Ichthyology, Maps Illustrating Geographical Distribution, Migration, &c., of Fishes and Spawn.
Alexander Agassiz, Cambridge, Massachusetts.
J. A. Allen, Museum of Comparative Zoology, Cambridge, Massachusetts.
A. Howard Clark, Washington, District of Columbia.
W. H. Dall, Washington, District of Columbia.
Silas Stearns, Pensacola, Florida.
David S. Jordan, Bloomington, Indiana.
Fred. Mather, New York City.
Charles Scribner's Sons, New York City.
Lieut. Francis Winslow, United States Navy.

Division 56.

3. Specimens and representations illustrative of the relations between extinct and existing fishes.
Dr. C. A. White, United States Geological Survey, Washington, District of Columbia.

Class VI.—History and Literature of Fishing—Fishery Laws—Fish Commerce.

Division 57.

1. Ancient fishing implements or their reproductions—Models—Pictures—Books—Emblems—Charters and seals of ancient fishermen guilds.
American Fish Cultural Association, New York City.
Century Company, New York City.
Captain B. F. Conklin, Jamesport, New York.
Fulton Market Fishmongers' Association, New York City.
Ichthyophagous Club, New York City.
Barnet Phillips, New York City.
Dr. Charles Rau, Washington, District of Columbia.
Henry O. Stanley, Dixfield, Maine.

Division 58.

2. Fishery Laws of Different Countries.

Division 59.

3. Copies of Treaties, Conventions, &c., dealing with International Fishery Relations.

Division 60.

4. Reports, Statistics, and Literature of Fish, Fishing, and Fisheries.
Smithsonian Institution, Washington, District of Columbia.
United States Department of the Treasury, Bureau of Statistics.
Alexander Agassiz, Museum of Comparative Zoology, Cambridge, Massachusetts.
J. A. Allen, Museum of Comparative Zoology, Cambridge, Massachusetts.
American Angler, New York City.
American Field, Chicago, Illinois.
American Fish Cultural Association, New York City.
John Bartlett, Cambridge, Massachusetts.

Captain W. H. Dall, United States Coast Survey, Washington, District of Columbia.


Dr. W. G. Farlow, Harvard University, Cambridge, Massachusetts.

Walter Faxon, Museum of Comparative Zoology, Cambridge, Massachusetts.

J. Walter Fewkes, Museum of Comparative Zoology, Cambridge, Massachusetts.


David S. Jordan, Indiana University, Bloomington, Indiana.


Museum of Comparative Zoology, Cambridge, Massachusetts.

A. S. Packard, Jr., Providence, Rhode Island.

Procter Brothers, Gloucester, Massachusetts.

F. W. Putnam, Cambridge, Massachusetts.


C. V. Riley, United States Department of Agriculture, Washington, District of Columbia.

John A. Ryder, United States Fish Commission, Washington, District of Columbia.

Captain C. M. Scammon, United States Revenue Marine, San Francisco, California.

Charles Scribner's Sons, New York City.

Sea World Publishing Company, Baltimore, Md.

C. W. Smiley, United States Fish Commission, Washington, District of Columbia.

Silas Stearns, Pensacola, Florida.

James G. Swan, Port Townsend, Washington Territory.

Professor A. E. Verrill, Yale College, New Haven, Connecticut.

W. A. Wilcox, Secretary Boston Fish Bureau, Boston.


The Fish Commissions of the several States, as follows:

Division 61.

5. Reports on Acclimatization of Fish, and of attempts in this direction.