

AUTHOR: ANONYMOUS

## PUBLICATIONS OF THE CALIFORNIA FISH AND GAME COMMISSION<sup>1</sup>

### INTRODUCTION

There has been no formal listing of the publications of the California Fish and Game Commission since the compilation by Bryant\* for the period 1870-1920. Although, from time to time, mimeographed lists of available publications have been prepared, these lists are now all out of date.

The important publications of the commission have included: (1) biennial reports (a report to the Governor required by law); (2) California fish and game laws (a compilation of the laws relating to fish and game, primarily for the use of law enforcement agencies); (3) fish bulletins and game bulletins (publications giving the results of scientific investigations); (4) circulars (statistical reports of fishery products); (5) teacher's bulletins (a series designed for the use of teachers in the public schools); and (6) a magazine, CALIFORNIA FISH AND GAME, published quarterly since October, 1914. Frequently special bulletins and leaflets have been printed for distribution to serve some immediate purpose and the various bureaus of the California Division of Fish and Game have stocked reprints from CALIFORNIA FISH AND GAME and from other publications for added distribution.

Files of the above publications are maintained in libraries throughout the world for the use of investigators and students of wildlife research and management. This field of research has seen a tremendous growth in recent years and many new organizations are anxious to obtain complete sets of our publications for their libraries. Unfortunately many of our stocks have been exhausted and we are unable to fill all of these requests. Added to this, many foreign organizations did not receive these publications during the war period and are now desirous of completing their series. In the following compilation it is indicated which publications are out of print. It would be greatly appreciated if our readers would check over these lists with their own files and send the editor any spare copies that are out of print so that we can better complete the files of libraries requesting such material.

All of the publications listed with but a few exceptions have been published by the State Department of Printing at Sacramento.

### BIENNIAL REPORTS

The first biennial report appeared in 1872, for the period 1870-1871, with the title "Report of the Commissioners of Fisheries of the State of California." The report published in 1880 was the only report which covered but a single year. All subsequent reports, from that covering

<sup>1</sup> Submitted for publication December, 1946.

\* Bryant, H. C., Publications of the California Fish and Game Commission, 1870-1920. California Fish and Game, Vol. 7, No. 2, pp. 87-98.

the years 1881-1882, to date have covered a biennial period. With the report for 1881-1882 the title was changed "Biennial Report of the Commissioners of Fisheries of the State of California." The report for the years 1887-1888, and the two subsequent reports bore the title "Biennial Report of the State Board of Fish Commissioners of the State of California." The report for the period 1893-1894 was titled "Thirteenth Biennial Report of the State Board of Fish Commissioners of the State of California" and all subsequent reports were numbered serially, that for the period 1942-1944 being the thirty-eighth. The twentieth report, under the title "Twentieth Biennial Report and Financial Statement of the State Board of Fish Commissioners," was not printed for distribution but appeared as an appendix of the twenty-first biennial report. With changes in the name of the commission the next report was titled "Twenty-second Biennial Report of the Fish and Game Commission of the State of California" and all subsequent reports have carried the same title with the correct serial number.

Frequently the earlier reports were used as a medium for publication of original research papers but beginning with the twenty-fourth, the Biennial Reports consisted of the report only, such papers as had been included heretofore being henceforth published as bulletins or in the quarterly CALIFORNIA FISH AND GAME. A list of these early papers which appeared in the Biennial Reports appeared in the compilation by Bryant referred to in the introduction.

### CALIFORNIA FISH AND GAME LAWS

The first edition of the fish and game laws of the State of California appeared in 1885. There is no record available of the second edition, but that published in 1887 was titled third edition. The laws were then published in odd years through 1909. The 15th edition covered the period 1911-12; the 16th, 1913-14; the 17th, 1914-15; the 18th, 1915-17; and from then on the laws have been published every two years, the last edition being the 34th, for the period 1945-47.

The first 14 editions were entitled "The Fish and Game Laws of the State of California." The 15th through the 19th editions were entitled "State of California Fish and Game Laws." The 20th through the 27th editions were entitled "State of California Laws Relating to Fish and Game." The 28th edition, through to the present time, was entitled "State of California Fish and Game Code." All editions since the 20th (1917-1919) were compiled by J. S. Hunter, currently Chief, Bureau of Game Conservation. For the names of earlier compilers see Bryant's lists referred to in the introduction.

These laws have usually been published in a small pocket-sized edition, although a limited number of copies were also published in a larger format. Since about 1903 the commission has also published for distribution abstracts of these laws, usually in two sizes, one for mailing and the other as a poster. Since 1915-17, a similar issue has been made of the Abstract of Laws pertaining to Commercial Fisheries. Only recent issues are still available for distribution.

## FISH BULLETINS

- No. 1. Report on Fish Conditions. 1913; 48 pp., 3 figs.
- No. 2. The Scientific Investigation of Marine Fisheries, as Related to the Work of the Fish and Game Commission in Southern California. By Will F. Thompson. 1919; 27 pp., 4 figs.
- No. 3. The Spawning of the Grunion (*Leuresthes tenuis*). By Will F. Thompson, assisted by Julia Bell Thompson. 1919; 29 pp., 9 figs.
- No. 4. The Edible Clams, Mussels and Scallops of California. By Frank W. Weymouth. 1920; 74 pp., 19 pls., 26 figs.
- No. 5. A Key to the Families of Marine Fishes of the West Coast. By Edwin C. Starks. 1921; 16 pp., 4 figs.
- No. 6. A History of California Shore Whaling. By Edwin C. Starks. 1923; 38 pp., 22 figs.
- No. 7. The Life History and Growth of the Pismo Clam. By Frank W. Weymouth. 1923; 120 pp., 15 figs., 18 graphs.
- No. 8. Racial and Seasonal Variation in the Pacific Herring, California Sardine and California Anchovy. By Carl L. Hubbs. 1925; 23 pp., 4 pls.
- No. 9. Preliminary Investigation of the Purse Seine Industry of Southern California. By Tage Skogsberg. 1925; 95 pp., 23 figs.
- No. 10. The Life History of *Leuresthes tenuis*, an Atherine Fish with Tide Controlled Spawning Habits. By Frances N. Clark. 1925; 51 pp., 6 graphs, 7 pls.
- No. 11. The California Sardine. By the Staff of the California State Fisheries Laboratory. 1926; 221 pp., 74 figs.
- No. 12. The Weight-Length Relationship of the California Sardine (*Sardina caerulea*) at San Pedro. By Frances N. Clark. 1928; 58 pp., 11 figs.
- No. 13. The Seasonal Average Length Trends at Monterey of the California Sardine (*Sardina caerulea*). By Carroll B. Andrews. 1928; 12 pp., 6 figs.
- No. 14. Report on the Seals and Sea Lions of California. By Paul Bonnot. 1928; 61 pp., 38 figs.
- No. 15. The Commercial Fish Catch of California for the years 1926 and 1927. By the Bureau of Commercial Fisheries. 1929; 93 pp., 52 figs.
- No. 16. The Life History of the California Jack Smelt (*Atherinopsis californiensis*). By Frances N. Clark. 1929; 22 pp., 12 figs.
- No. 17. Sacramento-San Joaquin Salmon (*Oncorhynchus tshawytscha*) Fishery of California. By G. H. Clark. 1929; 73 pp., 32 figs.
- No. 18. The Pismo Clam: Further Studies of Its Life History and Depletion. By William C. Herrington. 1930; 67 pp., 16 figs.
- No. 19. Sardine Fishing Methods at Monterey, California. By W. L. Scofield. 1929; 61 pp., 27 figs.
- No. 20. The Commercial Fish Catch of California for the Year 1928. By the Staff of the Bureau of Commercial Fisheries. 1930; 109 pp., 62 figs.

• Out of print.

- \* No. 21. Analysis of Boat Catches of White Sea Bass (*Cynoscion nobilis*) at San Pedro, California. By S. S. Whitehead. 1930; 26 pp., 20 figs.
- \* No. 22. A Bibliography of the Tunas. By Genevive Corwin. 1930; 103 pp.
- \* No. 23. Success of the Purse Seine Boat in the Sardine Fishery at Monterey, California (1929-1930 Fishing Season). By J. B. Phillips. 1930; 28 pp., 19 figs.
- \* No. 24. An Analysis of the Catch Statistics of the Striped Bass (*Roccus lineatus*) Fishery of California. By J. A. Craig. 1930; 41 pp., 22 figs.
- \* No. 25. Fishing Areas Along the California Coast for the Sardine (*Sardina caerulea*). By the California State Fisheries Laboratory. 1930; 44 pp., 25 figs.
- No. 26. Seasonal Changes in the Daily Average Length of the California Sardine (*Sardina caerulea*). By Frances N. Clark. 1930; 20 pp., 11 figs.
- \* No. 27. The Ring Net, Half Ring Net, or Purse Lampara in the Fisheries of California. By Donald H. Fry, Jr. 1931; 65 pp., 28 figs.
- \* No. 28. Handbook of Common Commercial and Game Fishes of California. By Lionel A. Walford. 1931; 181 pp., 137 figs.
- \* No. 29. The Striped Bass of California. By Eugene C. Scofield. 1931; 82 pp., 47 figs.
- \* No. 30. The Commercial Fish Catch of California for the Year 1929. By the Staff of the Bureau of Commercial Fisheries. 1931; 133 pp., 75 figs.
- No. 31. Studies of the Length Frequencies of the California Sardine (*Sardina caerulea*). By the California State Fisheries Laboratory. 1931; 53 pp., 24 figs.
- \* No. 32. The California Halibut (*Paralichthys californicus*) and an Analysis of the Boat Catches. By G. H. Clark. 1931; 52 pp., 25 figs.
- No. 33. Fishing Methods for the Bluefin Tuna (*Thunnus thynnus*) and an Analysis of the Catches. By S. S. Whitehead. 1931; 32 pp., 22 figs.
- No. 34. Salmon of the Klamath River, California. By John O. Snyder. 1931; 130 pp., 44 figs.
- \* No. 35. A Distributional List of the Species of Freshwater Fishes Known to Occur in California. By Barton W. Evermann and Howard Walton Clark. 1931; 67 pp.
- No. 36. A Bibliography of the Sardines. By Genevieve C. Wheeler. 1931; 133 pp.
- No. 37. The California Barracuda (*Sphyræna argentea*). By Lionel A. Walford. 1932; 120 pp., 32 figs., 6 pls.
- No. 38. The California Shrimp Industry. By Paul Bonnot. 1932; 20 pp., 11 figs.
- No. 39. Fluctuations in the Abundance of Striped Bass (*Roccus lineatus*) in California. By G. H. Clark. 1933; 18 pp., 7 figs.
- No. 40. The California Mackerel Fishery. By Richard S. Croker. 1933; 149 pp., 73 figs.
- No. 41. Early Life History of the California Sardine (*Sardina caerulea*), with Special Reference to Distribution of Eggs and Larvae. By Eugene C. Scofield. 1934; 48 pp., 24 figs.
- No. 42. Maturity of the California Sardine (*Sardina caerulea*), Determined by Ova Diameter Measurements. By Frances N. Clark. 1934; 49 pp., 19 figs.

\* Out of print.

The St  
By J  
The Co  
By J  
The Sh  
pp. 5  
A Cont  
Craig  
By H  
Interse  
(Sav  
Fishing  
1936.  
The Co  
Bure  
No. 50. Size of  
and f  
The Hl  
41 pp  
Historic  
Croke  
No. 53. Measur  
Wate  
No. 54. The Fis  
Skogs  
No. 55. Report  
By R.  
No. 56. Develop  
Paul  
No. 57. The Cor  
sive.  
9 figs.  
No. 58. The Cor  
of the  
No. 59. The Cor  
By th  
No. 60. A Syste  
Byers  
No. 61. Results  
Sard  
No. 62. Catch p  
caerul  
76 pp.  
No. 63. The Con  
the St  
No. 64. The Biol  
of the  
No. 65. Analysis  
Count

- No. 43. The Sizes of California Sardines Caught by the Different Fishing Gear and in the Different Localities of the Monterey and San Pedro Regions. By the California State Fisheries Laboratory. 1935; 59 pp., 27 figs.
- No. 44. The Commercial Fish Catch of California for the Years 1930-1934, inclusive. By the Staff of the Bureau of Commercial Fisheries. 1935; 124 pp., 19 figs.
- No. 45. The Sharks and Rays of California. By Lionel A. Walford. 1935; 66 pp., 58 figs.
- No. 46. A Contribution toward the Life Histories of Two California Shrimps, *Crango franciscorum* (Stimpson) and *Crango nigricauda* (Stimpson). By Hugh R. Israel. 1936; 28 pp., 9 figs.
- No. 47. Interseasonal and Intra-seasonal Changes in Size of the California Sardine (*Sardinops caerulea*). By Frances N. Clark. 1936; 28 pp., 11 figs.
- No. 48. Fishing Localities for the California Sardine, *Sardinops caerulea*, 1928-1936. By Frances N. Clark. 1937; 11 pp., 5 figs.
- No. 49. The Commercial Fish Catch of California for the Year 1935. By the Bureau of Commercial Fisheries. 1937; 170 pp., 114 figs.
- No. 50. Sizes of California Sardines Caught in the Different Areas of the Monterey and San Pedro Regions. By J. B. Phillips. 1937; 31 pp., 12 figs.
- No. 51. The High Seas Tuna Fishery of California. By H. C. Godsil. 1938; 41 pp., 20 figs.
- No. 52. Historical Account of the Los Angeles Mackerel Fishery. By Richard S. Croker. 1938; 62 pp., 37 figs.
- No. 53. Measures of Abundance of the Sardine, *Sardinops caerulea*, in California Waters. By Frances N. Clark. 1939; 45 pp., 19 figs.
- No. 54. The Fishes of the Family Sciaenidae (Croakers) of California. By Tage Skogsberg. 1939; 62 pp., 16 figs.
- No. 55. Report on Returns of Drift Bottles Released Off Southern California, 1937. By Richard B. Tibby. 1939; 36 pp., 22 figs.
- No. 56. Development of the Eggs and Early Larvae of Six California Fishes. By Paul L. Budd. 1940; 50 pp., 12 pls.
- No. 57. The Commercial Fish Catch of California for the Years 1936-1939, Inclusive. By the Staff of the Bureau of Marine Fisheries. 1940; 100 pp., 9 figs.
- No. 58. The Commercial Fish Catch of California for the Year 1940. By the Staff of the Bureau of Marine Fisheries. 1941; 47 pp., 7 figs.
- No. 59. The Commercial Fish Catch of California for the Years 1941 and 1942. By the Staff of the Bureau of Marine Fisheries. 1944; 68 pp., 8 figs.
- No. 60. A Systematic Study of the Pacific Tunas. By H. C. Godsil and Robert D. Byers. 1944; 131 pp., 76 figs.
- No. 61. Results of Tagging Experiments in California Waters on the Sardine, *Sardinops caerulea*. 1945; 90 pp., 15 figs.
- No. 62. Catch per Unit of Effort in California Waters of the Sardine, *Sardinops caerulea*, 1932-42. By Ralph P. Silliman and Frances N. Clark. 1945; 76 pp., 22 figs.
- No. 63. The Commercial Fish Catch of California for the Years 1943 and 1944. By the Staff of the Bureau of Marine Fisheries. 1946; 81 pp., 6 figs.
- No. 64. The Biology of the Soupfin, *Galeorhinus gyoferus*, and Biochemical Studies of the Liver. 1946; 96 pp., 41 figs.
- No. 65. Analysis of Populations of the Pacific Sardine on the Basis of Vertebral Counts. By Frances N. Clark. 1947; 26 pp., 3 figs.

## GAME BULLETINS

- \* No. 1. Report on Game Conditions; 1913; 67 pp., 8 figs. Contains:
- Investigation of the Large Game Situation in California With Special Reference to deer. By Frank C. Clarke.
  - Present and Future Status of the California Valley Quail. By Harold C. Bryant.
  - Introduction of Foreign Game Birds Into the Southern San Joaquin and Tributary Sections. By A. D. Ferguson.
  - Educating the Young People as to the Need and Value of Wild Life Conservation. By Gretchen L. Libby.
  - Investigation of the Economic Status of Nongame Birds. By H. C. Bryant.
- No. 2. The Quail of California. By Donald D. McLean. 1930; 47 pp., 15 figs.
- No. 3. The Status of Beavers in California. By Donald T. Tappe. 1942; 59 pp., 26 figs.

## CIRCULARS

- Statistical Report on Fresh and Canned Fishery Products, 1926. Circular No. 1, May, 1927.
- Statistical Report on Fresh and Canned Fishery Products, 1927. Circular No. 2, August, 1928.
- Statistical Report on Fresh and Canned Fishery Products, 1928. Circular No. 3, June, 1929.
- Statistical Report on Fresh and Canned Fishery Products, 1929. Sardine cannery report season 1929-1930. By S. H. Dado. Circular No. 4, April, 1930.
- Statistical Report on Fresh and Canned Fishery Products, 1930. Sardine cannery report season 1930-1931. By S. H. Dado. Circular No. 5, April, 1931.
- Statistical Report on Fresh and Canned Fishery Products, 1931. Sardine cannery report season 1931-1932. By S. H. Dado. Circular No. 6, April, 1932.
- Statistical Report on Fresh and Canned Fishery Products, 1932. Sardine plant report season 1932-1933. By S. H. Dado. Circular No. 7, April, 1933.
- Statistical Report on Fresh and Canned Fishery Products, 1935. Sardine plants report season 1935-1936. By S. H. Dado. Circular No. 10, May, 1936.
- Statistical Report on Fresh and Canned Fishery Products, 1936. Sardine plants report season 1936-1937. By S. H. Dado. Circular No. 11, May, 1937.
- Statistical Report on Fresh and Canned Fishery Products, 1938. Sardine canning and reduction plants report season 1938-1939. By S. H. Dado. Circular No. 13, 1939.
- Statistical Report on Fresh and Canned Fishery Products, 1939. Sardine canning and reduction plants report season 1939-1940. By S. H. Dado. Circular No. 14, 1940.
- Statistical Report on Fresh and Canned Fishery Products, 1940. Sardine canning and reduction plants report season 1940-1941. By S. H. Dado. Circular No. 15, 1941.
- Statistical Report on Fresh and Canned Fishery Products, 1941. Sardine canning and reduction plants report season 1941-1942. Circular No. 16, 1942.
- Statistical Report on Fresh and Canned Fishery Products, 1942. Sardine canning and reduction plants report season 1942-1943. Circular No. 17, 1943.

\* Out of print.

\* No. 1.

\* No. 2.

\* No. 3.

\* No. 4.

\* No. 5.

No. 6.

No. 7.

No. 8.

\* No. 9.

No. 10.

A number of these bulletins have been issued since the completion of this compilation.

\* Out

- Statistical Report on Fresh and Canned Fishery Products, 1943. Sardine canning and reduction plants report season 1943-1944. Circular No. 18, 1944.
- Statistical Report on Fresh and Canned Fishery Products, 1944. Sardine canning and reduction plants report season 1944-1945. Circular No. 19, 1945.
- Statistical Report on Fresh and Canned Fishery Products, 1945. Sardine canning and reduction plants report season 1945-1946. Circular No. 20, 1946.

**TEACHERS' BULLETINS**

- No. 1. A Few Reasons for Teaching Bird Study in the Schools. By Gretchen L. Libby. 1912; 4 pp.
- No. 2. Birds as Rodent Destroyers. By Gretchen L. Libby. 1912; 4 pp.
- No. 3. Owls. By Gretchen L. Libby. 1912; 4 pp.
- No. 4. Game Conservation and Its Importance. By Gretchen L. Libby. 1913; 4 pp.
- No. 5. Game Conservation and Its Importance. (Continued from No. 4.) By Gretchen L. Libby. 1913; 4 pp.
- No. 6. Bats as Desirable Citizens. By Joseph Grinnell. 1916; 4 pp.
- No. 7. The European House Sparrow and Its Control in California. By Harold C. Bryant. 1916; 8 pp., 6 figs.
- No. 8. Fish and Game Laws and the Reasons for Them. By Harold C. Bryant. 1926; 7 pp.
- No. 9. Bird Study for California Schools. By Gretchen L. Libby and Harold C. Bryant. 1928; 80 pp., 11 figs.
- No. 10. The Owls of California. By Donald D. McLean. 1928; 16 pp., 4 figs.

**MISCELLANEOUS BULLETINS**

A number of other special bulletins, leaflets and statements have been issued by the commission. Since most of these are out of print no complete listing of them is presented. Those still available for distribution are listed among the reprints and separates in the last section of this compilation.

\* Out of print.

th Special  
Harold C.  
aquin and  
Wild Life  
D. Bryant.  
gs.  
; 59 pp.,  
  
Circular  
Circular  
Circular  
Sardine  
No. 4,  
Sardine  
No. 5,  
Sardine  
No. 6,  
Sardine  
No. 7,  
Sardine  
o. 10,  
Sardine  
o. 11,  
Sardine  
Dado.  
Sardine  
Dado.  
Sardine  
Dado.  
Sardine  
No.  
Sardine  
No.

## CALIFORNIA FISH AND GAME

CALIFORNIA FISH AND GAME is a publication devoted to the conservation of wildlife and published quarterly by the California Fish and Game Commission.

- |   |   |
|---|---|
| <p>Vol. 1. 1914-1915</p> <ul style="list-style-type: none"> <li>* No. 1. October, 1914</li> <li>No. 2. January, 1915</li> <li>No. 3. April</li> <li>* No. 4. July</li> <li>* No. 5. October</li> </ul> <p>Vol. 2. 1916</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 3. 1917</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>No. 2. April</li> <li>No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 4. 1918.</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>* No. 2. April (Herring number)</li> <li>* No. 3. July (Kelp number)</li> <li>* No. 4. October</li> </ul> <p>Vol. 5. 1919</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>No. 2. April</li> <li>* No. 3. July (Trout number)</li> <li>No. 4. October</li> </ul> <p>Vol. 6. 1920</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>No. 2. April</li> <li>* No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 7. 1921</p> <ul style="list-style-type: none"> <li>* No. 1. January (Salmon number)</li> <li>* No. 2. April (History number)</li> <li>* No. 3. July (Hawk number)</li> <li>* No. 4. October (Sardine number)</li> </ul> <p>Vol. 8. 1922</p> <ul style="list-style-type: none"> <li>* No. 1. January (Game refuge number)</li> <li>* No. 2. April (Hatchery number)</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 9. 1923</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>No. 2. April</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 10. 1924</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>No. 2. April</li> <li>No. 3. July (Klamath conservation number)</li> <li>No. 4. October</li> </ul> | <p>Vol. 11. 1925</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>No. 2. April</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 12. 1926</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>No. 2. April (Striped bass number)</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 13. 1927</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>No. 2. April (Game propagation number)</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 14. 1928</p> <ul style="list-style-type: none"> <li>* No. 1. January (Commercial fisheries number)</li> <li>* No. 2. April (Convention number)</li> <li>No. 3. July</li> <li>No. 4. October</li> </ul> <p>Vol. 15. 1929</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 16. 1930</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 17. 1931</p> <ul style="list-style-type: none"> <li>No. 1. January (Spiny-rayed fish number)</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 18. 1932</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 19. 1933</p> <ul style="list-style-type: none"> <li>* No. 1. January</li> <li>No. 2. April (Trout number)</li> <li>* No. 3. July</li> <li>* No. 4. October</li> </ul> <p>Vol. 20. 1934</p> <ul style="list-style-type: none"> <li>No. 1. January</li> <li>* No. 2. April</li> <li>* No. 3. July</li> <li>No. 4. October</li> <li>* Index to authors and subjects Vols. 1-20, 1914-1934</li> </ul> |
|---|---|

\* Out of print.

Vol. 21. 1  
No. 1.

No. 2.  
No. 3.  
No. 4.

Vol. 22. 1  
No. 1.

No. 2.  
\* No. 3.  
\* No. 4.

Vol. 23. 1  
No. 1  
No. 2  
No. 3  
No. 4

Vol. 24. 1  
No. 1  
\* No. 2  
No. 3  
No. 4

Vol. 25. 1  
\* No. 1  
No. 2  
No. 3  
No. 4

Vol. 26. 1  
\* No. 1  
\* No. 2  
No. 3  
No. 4

All  
AND GAME

California  
Giant K  
The Harv  
The Kelp  
1942.

Devilfish  
Conservat  
No. 1, 2

Oyster Cu  
1931.

Report on  
April, 1  
Has the C  
Crocker.

Report on  
1938.

The Pism  
The Edib  
California

\* O



- conserva-  
and Game
- Vol. 21. 1935  
No. 1. January (Commercial  
fisheries number)  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 22. 1936  
No. 1. January (Commercial  
fisheries number)  
No. 2. April  
\* No. 3. July  
\* No. 4. October
- Vol. 23. 1937  
No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 24. 1938  
No. 1. January  
\* No. 2. April  
No. 3. July  
No. 4. October
- Vol. 25. 1939  
\* No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 26. 1940  
\* No. 1. January  
\* No. 2. April  
No. 3. July  
No. 4. October
- Vol. 27. 1941  
No. 1. January  
No. 2. April  
\* No. 3. July  
\* No. 4. October
- Vol. 28. 1942  
\* No. 1. January  
\* No. 2. April  
No. 3. July  
No. 4. October
- Vol. 29. 1943  
No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 30. 1944  
No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 31. 1945  
No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- Vol. 32. 1946  
No. 1. January  
No. 2. April  
No. 3. July  
No. 4. October
- ass
- pagation
- cial  
number)

### REPRINTS AND SEPARATES

All reprints and separates listed below are from CALIFORNIA FISH AND GAME, unless otherwise stated, and are still available for distribution.

#### *Kelp and Seaweed*

- California Seaweeds. By P. Bonnot. Vol. 17, No. 1, January, 1931.  
Giant Kelp Utilized at Monterey. By J. B. Phillips. Vol. 18, No. 1, January, 1932.  
The Harvesting of Kelp in California. By W. L. Scofield. Vol. 21, No. 1, January, 1935.  
The Kelp Resources of Southern California. By J. F. Wohnus. Vol. 28, No. 4, October, 1942.

#### *Mollusks*

- Devilfish and Squid. By Harold Heath. Vol. 3, No. 3, 1917.  
Conservation Laws Provide Ample Protection for Abalones. By N. B. Scofield. Vol. 16, No. 1, January, 1930.  
Oyster Culture in California. By H. C. McMillin and P. Bonnot. Vol. 17, No. 3, July, 1931.  
Report on the California Oyster Industry for 1936. By P. Bonnot. Vol. 23, No. 2, April, 1937.  
Has the Closed Area Increased the Pismo Clam Population? By F. N. Clark and R. S. Croker. Vol. 23, No. 2, April, 1937.  
Report on the California Oyster Industry for 1937. By P. Bonnot. Vol. 24, No. 2, April, 1938.  
The Pismo Clam in 1938. By P. M. Roedel. Vol. 25, No. 2, April, 1939.  
The Edible Bivalves of California. By P. Bonnot. Vol. 26, No. 3, July, 1940.  
California Abalones. By P. Bonnot. Vol. 26, No. 3, July, 1940.

\* Out of print.

r)

Vols.

*Crustacea*

- Note on the Habits and Use of the Small Sand Crab (*Emerita analoga*). By F. W. Weymouth. Vol. 5, No. 4, October, 1919.  
 Crayfish. By P. Bonnot. Vol. 16, No. 3, July, 1930.  
 The Market Crab of California and Its Close Relatives. By J. B. Phillips. Vol. 25, No. 1, January, 1939.  
 The Crab Industry at Eureka. By Leslie E. Lahr. Vol. 25, No. 4, October, 1939.  
 The Utilization of the California Crab Resource. By G. H. Clark and P. Bonnot. Vol. 26, No. 4, October, 1940.

*Sardine*

- The next three papers formed parts I, II, and III of Fish Bulletin No. 11, the California Sardine, by staff of the California State Fisheries Laboratory, October, 1926.*  
 The California Sardine and the Study of the Available Supply. By Will F. Thompson. pp. 1-66.  
 Sampling the California Sardine: A Study of the Adequacy of Various Systems at Monterey. By Oscar Elton Sette. pp. 68-123.  
 A Study of the Fluctuations in the Sardine Fishery at San Pedro. By Elmer Higgins. pp. 126-158.  
 Changing Abundance of the California Sardine, Measured by Length of Scouting Time. By Frances N. Clark. Vol. 19, No. 2, April, 1933.  
 The Relation Between Surface Water Temperature and the Distribution of Spawn of the California Sardine (*Sardinops caerulea*). By R. B. Tibby. Vol. 23, No. 2, April, 1937.  
 First Report of Sardine Tagging in California. By J. F. Janssen, Jr. Vol. 23, No. 3, July, 1937.  
 Yield Per Area of the California Sardine Fishing Grounds, 1935-1937. By F. N. Clark. Vol. 23, No. 4, October, 1937.  
 Sardine Oil and Our Troubled Waters. By W. L. Scofield. Vol. 24, No. 3, July, 1938.  
 Second Report of Sardine Tagging in California. By J. F. Janssen, Jr. Vol. 24, No. 4, October, 1938.  
 Can the Supply of Sardines be Maintained in California Waters? By F. N. Clark. Vol. 25, No. 2, April, 1939.  
 The Application of Sardine Life-history to the Industry. By F. N. Clark. Vol. 26, No. 1, January, 1940.

*Miscellaneous Marine Fishes*

- The Fishes of the Croaker Family (*Sciaenidae*) of California. By Edwin Chapin Starks. Vol. 5, No. 1, January, 1919.  
 The Fisheries of California and Their Care. By W. F. Thompson. Vol. 8, No. 3, July, 1922.  
 The Smelts of the San Pedro Wholesale Fish Markets. By F. N. Clark, Vol. 14, No. 1, January, 1928.  
 Catch Figures and Fish Supply. By J. A. Craig. Vol. 14, No. 1, January, 1928.  
 San Diego Tuna Industry. By Coburn F. Maddox. Vol. 15, No. 1, January, 1929.  
 The Reproduction of Fishes. By P. Bonnot. Vol. 15, No. 3, July, 1929.  
 The Northern Occurrence of Southern Forms of Marine Life Along the Pacific Coast in 1926. By C. L. Hubbs and L. P. Schultz. Vol. 15, No. 3, July, 1929.  
 Hydrobiological Survey of Hopkins Marine Station. By Tage Skogsberg. Vol. 16, No. 1, January, 1930.  
 The California Whitebait Fishery. By P. Bonnot. Vol. 16, No. 2, April, 1930.  
 The Lily-iron Returns to Monterey Bay. Shark fishing recommences on a harpoon basis. By George Roger Chute. Vol. 16, No. 2, April, 1930.  
 California Bluefin Tuna. By S. S. Whitehead. Vol. 16, No. 3, July, 1930.  
 Luminescent Fishing. By Milton J. Lindner. Vol. 16, No. 3, July, 1930.  
 The Smaller Fishing Ports of Central California. By R. S. Croker. Vol. 16, No. 4, October, 1930.  
 Northward Occurrence of Southern Fish Off San Pedro in 1931. By L. A. Walford. Vol. 17, No. 4, October, 1931.  
 Condition of the Yellowtail Fishery. By S. S. Whitehead. Vol. 19, No. 3, July, 1933.

\* Out of print.

- The California Tr.  
 January, 1936.  
 Embryonic and E.  
 Girard. By R. L.  
 Magnetic Recovery  
 How California is  
 American Fisher  
 Grunion in Southe  
 Tuna Tagging. By  
 Whale Sharks Str  
 Gudger, Vol. 24,  
 The Bureau of M.  
 Scofield. Vol. 25,  
 The California Sha  
 Tall Tales of the S  
 The "N. B. Scofiel  
 1940.  
 "N. B. Scofield": P  
 Latent Marine Fi  
 Croker. Vol. 28,  
 The Latent Fisheri  
 October, 1942.  
 The Biotic and Ec  
 October, 1942.  
 Program of the Bu  
 1945.  
 Observations on Tu  
 No. 4, October, 1  
 Marked Pacific Sa  
 Fisheries, Econo  
 Second Report on  
 By J. O. Snyder.  
 Notes on Egg Yiel  
 October, 1923.  
 A Third Report on  
 By J. O. Snyder.  
 Indian Methods of  
 of That Stream. I  
 Sacramento River  
 Notes on the 1930  
 Vol. 22, No. 2, A  
 Salmon Migration i  
 January, 1938.  
 Salmon Investigati  
 California Salmon  
 The Striped Bass S  
 1932.  
 Food of the Striped  
 Second Report on S  
 Weight and Age D  
 April, 1938.  
 California Steelhea  
 A steelhead Migrati  
 1933.  
 The Waddell Creek  
 No. 2, April, 1936  
 Trout Fishing in S  
 1938.

- The California Trawl Fishery and Its Conservation. By G. H. Clark. Vol. 22, No. 1, January, 1936.
- Embryonic and Early Larval Stages of the California Anchovy, *Engraulis mordax* Girard. By R. L. Bolin, Vol. 22, No. 4, October, 1938.
- Magnetic Recovery of Fish Tags. By Donald H. Fry, Jr. Vol. 23, No. 2, April, 1937.
- How California is Measuring the Angler's Catch. By R. S. Croker. Transactions of American Fisheries Society, Vol. 66, pp. 301-305, 1937.
- Grunion in Southern California. By F. N. Clark. Vol. 24, No. 1, January, 1938.
- Tuna Tagging. By H. C. Godsil. Vol. 24, No. 3, July, 1938.
- Whale Sharks Struck by Fishing Boats Off the Coast of Lower California. By E. W. Gudger, Vol. 24, No. 4, October, 1938.
- The Bureau of Marine Fisheries Was Founded Twenty-Five Years Ago. By W. L. Scofield. Vol. 25, No. 3, July, 1939.
- The California Shark Fishery. By Robert D. Byers. Vol. 26, No. 1, January, 1940.
- Tall Tales of the Sea. By W. L. Scofield. Vol. 26, No. 1, January, 1940.
- The "N. B. Scofield": A Progress Report. By H. C. Godsil. Vol. 26, No. 1, January, 1940.
- "N. B. Scofield": Progress Report for 1940. By H. C. Godsil. Vol. 27, No. 2, April, 1941.
- Latent Marine Fisheries Resources of California and Western Mexico. By R. S. Croker. Vol. 28, No. 4, October, 1942.
- The Latent Fisheries of Washington and Alaska. By W. McL. Chapman. Vol. 28, No. 4, October, 1942.
- The Biotic and Economic Relations of the Plankton. By T. Kincaid. Vol. 28, No. 4, October, 1942.
- Program of the Bureau of Marine Fisheries. By R. Van Cleve. Vol. 31, No. 3, July, 1945.
- Observations on Tuna-like Fishes in the Tropical Pacific. By W. L. Chapman. Vol. 32, No. 4, October, 1946.

### Salmon

- Marked Pacific Salmon. By Willis H. Rich. Department of Commerce, Bureau of Fisheries, Economic Circular No. 45, May 10, 1919.
- Second Report on Return of King Salmon Marked in 1919 in the Klamath River. By J. O. Snyder. Vol. 9, No. 1, January, 1923.
- Notes on Egg Yield, Sacramento King Salmon. By A. E. McGregor. Vol. 9, No. 4, October, 1923.
- A Third Report on the Return of King Salmon Marked in 1919 in Klamath River. By J. O. Snyder. Vol. 10, No. 3, July, 1924.
- Indian Methods of Fishing on Trinity River and Some Notes on the King Salmon of That Stream. By J. O. Snyder. Vol. 10, No. 4, October, 1924.
- Sacramento River Salmon Fishery. By G. H. Clark. Vol. 15, No. 1, January, 1929.
- Notes on the 1930 Catch of King Salmon in the Klamath River. By J. O. Snyder. Vol. 22, No. 2, April, 1936.
- Salmon Migration in Shasta River (1930-1934). By Merrill W. Brown. Vol. 24, No. 1, January, 1938.
- Salmon Investigation. By J. O. Snyder. Vol. 14, No. 1, January, 1938.
- California Salmon Catch Records. By G. H. Clark. Vol. 26, No. 1, January, 1940.

### Striped Bass

- The Striped Bass Supply, Past and Present. By G. H. Clark. Vol. 18, No. 4, October, 1932.
- Food of the Striped Bass. By Leo Shapavalov. Vol. 22, No. 4, October, 1936.
- Second Report on Striped Bass Tagging. By G. H. Clark. Vol. 22, No. 4, October, 1936.
- Weight and Age Determination of Striped Bass. By G. H. Clark. Vol. 24, No. 2, April, 1938.

### Trout

- California Steelhead Problems. By A. C. Taft. Vol. 18, No. 3, July, 1933.
- A steelhead Migration in the Shasta River. By J. O. Snyder. Vol. 19, No. 4, October, 1933.
- The Waddell Creek Experiment Station for Trout and Salmon. By A. C. Taft. Vol. 22, No. 2, April, 1936.
- Trout Fishing in Southern California Streams. By D. H. Fry. Vol. 24, No. 2, April, 1938.

- Homing Instinct and Straying Among Steelhead Trout and Silver Salmon. By A. C. Taft and Leo Shapovalov. Vol. 24, No. 2, April, 1938.
- Notes on the Growth of Golden Trout in Two High Sierra Lakes. By P. R. Needham and E. H. Vestal. Vol. 24, No. 3, July, 1938.
- A Study of the Trout from Waddell Creek. By Cedric O. Snyder. Vol. 24, No. 4, October, 1938.
- The Trouts of California. By J. O. Snyder. Vol. 26, No. 2, April, 1940.
- Squaw Creek Test Stream. By A. C. Randle and F. K. Cramer. Vol. 27, No. 3, July, 1941.
- Development of Steelhead Trout Eggs. By J. H. Wales. Vol. 27, No. 4, October, 1941.
- Creel Returns from Hatchery Trout in June Lake. By E. H. Vestal. Vol. 29, No. 2, April, 1943.
- Golden Trout Propagation in California. By G. McCloud. Vol. 29, No. 4, October, 1943.
- Black-spotted Trout in Blue Lake, California. By A. J. Calhoun. Vol. 30, No. 1, January, 1944.
- Castle Lake Trout Fishing, First Phase, Interrelationship of Four Species. By J. H. Wales. Vol. 32, No. 3, July, 1946.

### *Spiny-rayed Fresh Water Game Fish*

- Spiny-rayed Fresh Water Game Fish of California Inland Waters. By Geo. Neale. Vol. 17, No. 1, January, 1931.
- A Brief History and Identification of the Three Species of Black Bass Now Occurring in California. By Merrill W. Brown. Vol. 25, No. 4, October, 1939.
- Warm Water Fish Management. By A. S. Hazzard. Vol. 32, No. 1, January, 1946.

### *Miscellaneous Fresh Water Fish*

- Possible Enemy of the Mosquito. By C. H. Kennedy. Vol. 2, No. 4, October, 1916.
- Netting Operations on an Irrigation Canal. By J. B. Phillips. Vol. 17, No. 1, January, 1931.
- The Freshwater Commercial Fisheries of California. By R. S. Crocker. Vol. 20, No. 4, October, 1934.
- Restoration and Conservation Program of Mt. Ralston Fish Planting Club. By F. E. Reollier. Vol. 21, No. 2, April, 1935.
- Water Dogs Eat Trout Eggs. By A. E. Borell. Vol. 21, No. 2, April, 1935.
- Life History of *Hesperoleucus venustus* Snyder. By Donald H. Fry, Jr. Vol. 22, No. 2, April, 1936.
- An Unappreciated California Game Fish, the Rocky Mountain White Fish. By William A. Dill and Leo Shapovalov. Vol. 25, No. 3, July, 1939.
- California Fresh Water Fishes and Their Possible Use for Aquarium Purposes. By William A. Dill and Leo Shapovalov. Vol. 25, No. 4, October, 1939.
- Creel Counts in California. By Brian Curtis. Vol. 27, No. 3, July, 1941.
- Fish Rescue in California. By C. Woodhull. Vol. 29, No. 3, July, 1943.
- The Tench in California. By Leo Shapovalov. Vol. 30, No. 1, January, 1944.

### *Fish Nets and Gear*

- Report on the Relative Merits and Demerits of Purse Seines vs. Lampara Nets in the Taking of Sardines. By P. Bonnot. Vol. 16, No. 2, April, 1930.
- Netting Operations on an Irrigation Canal. By J. B. Phillips. Vol. 17, No. 1, January, 1931.
- The Relative Efficiency of the Semipurse Seine Compared with the Round Haul Net. By H. C. Godsil. Vol. 17, No. 1, January, 1931.
- Circle Gill Netting for Smelt. By J. B. Phillips. Vol. 18, No. 2, April, 1932.
- A Survey of the Destructiveness of Sardine Nets Used in the Monterey Region. By J. B. Phillips. Vol. 18, No. 3, July, 1932.
- Relative Destructiveness of Sardine Circle Nets in Southern California. By G. H. Clark. Vol. 18, No. 3, July, 1932.
- Improvements in Sardine Fishing Gear in the Monterey Region (1930-1932). By J. B. Phillips. Vol. 18, No. 4, October, 1932.
- The Construction of the Purse Seine as Used in the San Pedro Sardine Fishery, 1935-1936 Season. By R. S. Tibby. Vol. 22, No. 4, October, 1936.
- An Outline of Fishing Gear. By W. L. Scofield. Vol. 24, No. 2, April, 1938.
- Is the Purse Seine an Engine of Destruction? By W. L. Scofield. Vol. 25, No. 4, October, 1939.
- The "Balloon" Type Otter Trawl for Rockfishes. By W. L. Scofield. Vol. 31, No. 1, January, 1945.

Changes in Oil Used  
Report on Fresh  
eighth biennial re  
Canned, Cured and  
1926. pp. 114-124,  
A New Branch of a  
tion of Departmen  
Cooking and Cleani  
April, 1932.  
Smoked, Salted and  
January, 1936.  
Weight Loss in Ba  
Vol. 23, No. 2, Ap  
Tuna Canning Meth  
Reduction Processe  
Smalley. Vol. 24,

Notes on the Food o  
Progress Report of  
Vol. 22, No. 2, Ap  
Progress Report of  
Vol. 23, No. 2, Ap  
Notes on the Food  
No. 2, April, 1937.  
Food of the Black-sj  
30, No. 2, April, 1

### *Fresh W*

Biological Survey o  
George A. Colema  
Biological Survey o  
No. 3, July, 1930.  
Stream Survey of t  
Needham and H.  
General Report of J  
Vol. 25, No. 4, Oc  
A Key to the Fishes  
27, No. 3, July, 1  
Livingston Stone an  
July, 1941.

Rough Fish Control  
No. 1, January, 1  
Relationship of the l  
Vol. 28, No. 2, Ap  
Reclamation of Cry  
E. H. Vestal. Vol.  
The Relationship of  
quest, Deonier and  
The Bottom Fauna  
April, 1944.  
Fishery of the Lowe  
A Preliminary Repo  
Vol. 32, No. 2, Ap

Methods of Counting  
1933.  
Hatchery Troughs A  
Selective Breeding o  
No. 2, April, 1944.  
New Fish Screen

### *Commercial Fish Processing*

- Changes in Oil Used for Frying Sardines. By H. R. Beard. Circular No. 1, March, 1922.
- Report on Fresh and Canned Fishery Products for the Years 1922-1923. Twenty-eighth biennial report of Fish and Game Commission. pp. 101-109, January, 1925.
- Canned, Cured and Manufactured Fishery Products of California for the Years 1924-1926. pp. 114-124, 1927.
- A New Branch of an Old Industry. The Filleting of Fish. By Walter Smith. Publication of Department of Agriculture, State of California. 13 pp. 1929.
- Cooking and Cleaning Losses in Canning Tuna. By D. H. Fry, Jr. Vol. 18, No. 2, April, 1932.
- Smoked, Salted and Dried Sea Foods of California. By R. S. Crocker. Vol. 22, No. 1, January, 1936.
- Weight Loss in Barracuda During Preparation for Market. By J. F. Janssen, Jr. Vol. 23, No. 2, April, 1937.
- Tuna Canning Methods in California. By P. M. Roedel. Vol. 24, No. 3, July, 1938.
- Reduction Processes for Sardines in California. By S. R. Hatton and George R. Smalley. Vol. 24, No. 4, October, 1938.

### *Trout Food and Feeding Experiments*

- Notes on the Food of Trout. By P. R. Needham. Vol. 20, No. 2, April, 1934.
- Progress Report of Trout Feeding Experiments 1935. By J. H. Wales and R. C. Lewis. Vol. 22, No. 2, April, 1936.
- Progress Report of Trout Feeding Experiments 1936. By J. H. Wales and R. Bliss. Vol. 23, No. 2, April, 1937.
- Notes on the Food of Trout of Yosemite National Park. By H. J. Rayner. Vol. 23, No. 2, April, 1937.
- Food of the Black-spotted Trout in Two Sierra Nevada Lakes. By A. J. Calhoun. Vol. 30, No. 2, April, 1944.

### *Fresh Water Fish, Investigations, Surveys and Control*

- Biological Survey of the Lakes, Reservoirs and Streams in San Diego County. By George A. Coleman. Vol. 16, No. 2, April, 1930.
- Biological Survey of Clear Lake, Lake County, Calif. By Geo. A. Coleman. Vol. 16, No. 3, July, 1930.
- Stream Survey of the Waters of the Sierra National Forest, California. By P. R. Needham and H. A. Hanson. Washington, 1935.
- General Report of Investigations on the McCloud River Drainage. By J. H. Wales. Vol. 25, No. 4, October, 1939.
- A Key to the Fishes of the Sacramento and San Joaquin Basin. By G. Murphy. Vol. 27, No. 3, July, 1941.
- Livingston Stone and Fish Culture in California. By J. W. Hedgepath. Vol. 27, No. 3, July, 1941.
- Rough Fish Control in Gull Lake, Mono County, California. By E. H. Vestal. Vol. 28, No. 1, January, 1942.
- Relationship of the Fresh Water Mussel to Trout in the Truckee River. By G. Murphy. Vol. 28, No. 2, April, 1942.
- Reclamation of Crystal Lake with Rotenone, Los Angeles County, California. By E. H. Vestal. Vol. 28, No. 3, July, 1942.
- The Relationship of Fish to the Clear Lake Gnat in Clear Lake, California. By Lindquest, Deonier and Hancey. Vol. 29, No. 4, October, 1943.
- The Bottom Fauna of Blue Lake, California. By A. J. Calhoun. Vol. 30, No. 2, April, 1944.
- Fishery of the Lower Colorado River. By Wm. A. Dill. Vol. 30, No. 3, July, 1944.
- A Preliminary Report on the Fishery of Millerton Lake, California. By Wm. A. Dill. Vol. 32, No. 2, April, 1946.

### *Hatchery Methods and Practices*

- Methods of Counting Small Fish in Hatcheries. By A. C. Taft. Vol. 19, No. 2, April, 1933.
- Hatchery Troughs Aerators. By P. A. Shaw. Vol. 22, No. 2, April, 1936.
- Selective Breeding of Rainbow Trout at Hot Creek Hatchery. By R. C. Lewis. Vol. 30, No. 2, April, 1944.
- A New Fish Screen for Hatchery Use. By J. H. Wales. Vol. 31, No. 3, July, 1945.

*Diseases of Fish*

- Acetic Acid as a Control Agent for *Cyclochaete* and *Gyrodactylus* in Hatchery Trout. By H. Van Roekel. Vol. 15, No. 3, July, 1929.
- Parasites of Fishes. By P. Bonnot. Vol. 19, No. 1, January, 1933.
- Sestonosis, a Gill Irritation in Trout. By J. H. Wales and D. Evins. Vol. 23, No. 2, April, 1937.
- The Relative Susceptibility of Various Strains of Trout to Furunculosis. By J. H. Wales and Wm. Berrian. Vol. 23, No. 2, April, 1937.

*Pollution*

- Pollution of the Mokelumne River by Winery Wastes. By Paul A. Shaw. Sewage Works Journal, Vol. 9, No. 4, July, 1937.
- Hydraulic Mining and Debris Dams in Relation to Fish Life in the American and Yuba Rivers. By Summer and Smith. Vol. 26, No. 2, April, 1940.
- Effect of Mining Silt on Yield of Fry from Salmon Spawning Beds. By Paul A. Shaw and John Maga. Vol. 29, No. 1, January, 1943.

*Frogs*

- Frogs and Their Commercial Use. By T. I. Storer. Vol. 19, No. 3, July, 1933.

*Reptiles*

- Feeding Habits of California Garter Snakes. By H. S. Fitch. Vol. 27, No. 2, July, 1937.

*Ducks and Geese*

- Wild Rice for Wild Ducks. By W. W. Mackie. Vol. 16, No. 3, July, 1930.
- The Early History of Duck Clubs in California. By H. M. McAllister. Vol. 16, No. 4, October, 1930.
- Duck Hunting on the San Diego Lakes. By E. H. Glidden. Vol. 24, No. 3, July, 1938.
- A Study of Nesting Canada Geese in Honey Lake Valley, California. By J. S. Dow. Vol. 29, No. 1, January, 1943.

*Brant Census*

- First Annual Black Sea Brant Census in California. By J. Moffitt. Vol. 17, No. 4, October, 1931.
- Second Annual Black Brant Census in California. By J. Moffitt. Vol. 18, No. 4, October, 1932.
- Third Annual Black Brant Census in California. By J. Moffitt. Vol. 19, No. 4, October, 1933.
- Fourth Annual Black Brant Census in California. By J. Moffitt. Vol. 20, No. 4, October, 1934.
- Fifth Annual Black Brant Census in California. By J. Moffitt. Vol. 21, No. 4, October, 1935.
- Sixth Annual Black Brant Census in California. By J. Moffitt. Vol. 22, No. 4, October, 1936.
- Seventh Annual Black Brant Census in California. By J. Moffitt. Vol. 23, No. 4, October, 1937.
- Brant Census of San Quentin Bay, Lower California. By D. H. Fry, Jr. Vol. 24, No. 4, October, 1938.
- Eighth Annual Black Brant Census in California. By J. Moffitt. Vol. 24, No. 4, October, 1938.
- Ninth Annual Black Brant Census in California. By J. Moffitt. Vol. 25, No. 4, October, 1939.
- Tenth Annual Black Brant Census in California. By J. Moffitt. Vol. 26, No. 4, October, 1940.
- Eleventh Annual Black Brant Census in California. By J. Moffitt. Vol. 27, No. 4, October, 1941.
- Twelfth Annual Black Brant Census in California. By J. Moffitt. Vol. 29, No. 1, January, 1943.

- The Quail Replenishment Program. A Life History Study of the California Quail and Management. By E. L. Sellick. Vol. 24, No. 4, October, 1938.
- Some Opinions of Early California Game Warden. January, 1939.
- Studies on the Food of the California Quail. By E. L. Sellick and C. F. Smith. Journal of Game Management. Vol. 1, No. 1, January, 1939.
- Valley Quail Census Method. By B. Glading. Vol. 24, No. 4, October, 1938.
- Results of Southern California Quail Census. Vol. 24, No. 4, October, 1941.
- A Self Filling Quail Watering System. By E. L. Sellick. Vol. 29, No. 4, October, 1943.
- Effect of Hunting on Valley Quail. Vol. 30, No. 2, April, 1944.
- The Kettleman Hills Quail Program. Vol. 31, No. 3, July, 1945.
- Valley Quail Under Private Management. By D. M. Selleck and F. Ross. Vol. 31, No. 3, July, 1945.
- Increasing Valley Quail in California. California Bulletin 695, November, 1945.

- The Chukar Partridge of Asia. Anatomical Differences Between the Chukar and the Red-legged Partridge as an Aid in Law Enforcement. Vol. 31, No. 3, July, 1945.

- Artificial Methods of Propagation of the California Quail. April, 1932.

- Feeding Young Pheasants and Other Game Bird Farming. By A. B. B. Vol. 31, No. 3, July, 1945.

- Raptor Pellets as Indicators of Food Habits of Nesting Barn Swallows. Determined by "Cage Nesting". By D. M. Selleck. Vol. 29, No. 3, July, 1943.

- Recent Disastrous Effect of Oil on the California Quail. By J. Moffitt and R. T. Orr. Vol. 31, No. 3, July, 1945.

- The Fish Eating Bat of the Golden Gate. April, 1943.

- Records of the Capture of Fur Seals in California. Vol. 8, No. 3, July, 1922.
- The Whales of California. By Pa. California Sea Lion Census for 1938. California Sea Lion Census for 1939. Vol. 24, No. 4, October, 1938.
- A Winter Influx of Sea Lions from the Golden Gate. July, 1939.

*Quail*

- Quail Replenishment Program. By G. H. True, Jr. Vol. 19, No. 1, January, 1933.
- Life History Study of the California Quail, with Recommendations for Conservation and Management. By E. L. Summer, Jr. Vol. 21, Nos. 3 and 4, July-October, 1935.
- Studies on the Nesting Cycle of the California Valley Quail in 1937. By B. Glading. Vol. 24, No. 4, October, 1938.
- Some Opinions of Early California Quail Hunters. By H. Twining. Vol. 25, No. 1, January, 1939.
- Studies on the Food of the California Quail in 1937. By B. Glading, H. H. Biswell and C. F. Smith. Journal of Wildlife Management, Vol. 4, No. 2, April, 1940.
- Valley Quail Census Methods and Populations at the San Joaquin Experimental Range. By B. Glading. Vol. 27, No. 2, April, 1941.
- Results of Southern California Quail Banding Program. By F. Richardson. Vol. 27, No. 4, October, 1941.
- A Self Filling Quail Watering Device. By B. Glading. Vol. 29, No. 4, October, 1943.
- A Bee Repellent for Use in Quail Watering Devices. By B. Glading and D. M. Selleck. Vol. 29, No. 4, October, 1943.
- Effect of Hunting on Valley Quail Population. By B. Glading and R. W. Saarni. Vol. 30, No. 2, April, 1944.
- The Kettleman Hills Quail Project. By B. Glading, R. W. Enderlin and H. A. Hjerseman. Vol. 31, No. 3, July, 1945.
- Valley Quail Under Private Management at the Dune Lakes Club. By B. Glading, D. M. Selleck and F. Ross. Vol. 31, No. 4, October, 1945.
- Increasing Valley Quail in California. By J. T. Emlin and B. Glading. University of California Bulletin 695, November, 1945.

*Introduced Game Birds*

- The Chukar Partridge of Asia. By G. H. True, Jr. Vol. 23, No. 3, July, 1937.
- Anatomical Differences Between the Rink-necked Pheasant and the Domestic Chicken as an Aid in Law Enforcement. By J. Laughlin. Vol. 29, No. 3, July, 1943.

*Game Farm Methods*

- Artificial Methods of Propagating Game Birds. By August Bade. Vol. 18, No. 2, April, 1932.
- Feeding Young Pheasants and Quail. By A. Bade. Leaflet No. 7, April, 1933.
- Game Bird Farming. By A. Bade. Leaflet (Revision of Leaflet No. 4), March, 1941.

*Food Habits of Birds*

- Raptor Pellets as Indicators of Food Habits. By B. Glading, D. F. Tillotson and D. M. Selleck. Vol. 29, No. 3, July, 1943.
- Food Habits of Nesting Barn Owls and Marsh Hawks at Dune Lakes, California, as Determined by "Cage Nesting" Method. By D. M. Selleck and B. Glading. Vol. 29, No. 3, July, 1943.

*Pollution, Birds*

- Recent Disastrous Effect of Oil Pollution on Birds in the San Francisco Bay Region. By J. Moffitt and R. T. Orr. Vol. 24, No. 3, July, 1938.

*Bats*

- The Fish Eating Bat of the Gulf of California. By F. W. Gudger. Vol. 29, No. 2, April, 1943.

*Marine Mammals*

- Records of the Capture of Fur Seals on Land in California. By Edwin C. Starks. Vol. 8, No. 3, July, 1922.
- The Whales of California. By Paul Bonnot. Vol. 15, No. 3, July, 1929.
- California Sea Lion Census for 1936. By P. Bonnot. Vol. 23, No. 2, April, 1937.
- California Sea Lion Census for 1938. By P. Bonnot, G. H. Clark and S. R. Hatton. Vol. 24, No. 4, October, 1938.
- A Winter Influx of Sea Lions from Lower California. By D. H. Fry, Jr. Vol. 25, No. 3, July, 1939.

*Fur Bearing Mammals*

- An Outline of the Habits of the Striped Skunk and Little Spotted Skunk with Some Directions for Trapping. By E. L. Summer, Jr. Vol. 18, No. 1, January, 1932.  
 The Distribution of Muskrats in California. By H. Twining and A. L. Hensley. Vol. 29, No. 2, April, 1943.  
 The Fur Catch in California 1940-1941. By H. Twining. Vol. 30, No. 4, October, 1944.  
 Some Early Summer Observations on Muskrats in a Northeastern California Marsh. Vol. 32, No. 4, October, 1946.

*Rodent Control*

- Ground Squirrel Control in California. By W. C. Jacobsen. Vol. 17, No. 3, July, 1931.

*Deer*

- Deer Proof Fences in California. By T. I. Storer and G. H. True, Jr. Vol. 17, No. 3, July, 1931.  
 A Study of the Life History and Food Habits of Mule Deer in California. By J. S. Dixon. Vol. 20, Nos. 3 and 4, July-October, 1934.  
 The Deer of California, With Particular Reference to the Rocky Mountain Mule Deer. By D. D. McLean. Vol. 26, No. 2, April, 1940.  
 The Burro Deer, *Odocoileus hemionus eremicus*. By W. M. Longhurst and J. E. Chattin. Vol. 27, No. 1, January, 1941.  
 Deer Refuges Under the Buck Law. By F. P. Cronemiller. Vol. 29, No. 4, October, 1943.

*Antelope*

- The Prong-horned Antelope of California. By D. D. McLean. Vol. 30, No. 4, October, 1944.

*Mountain Sheep*

- The Mountain Sheep of California. By E. H. Ober. Vol. 17, No. 1, January, 1931.  
 A Survey of Desert Bighorn in Death Valley National Monument, Summer 1938. By J. S. Dixon and E. L. Summer, Jr. Vol. 25, No. 2, April, 1939.

*Disease Investigations and Reports, Mammals and Birds*

- Parasites and Parasitic Diseases in the California Quail. By E. C. O'Roke. Vol. 14, No. 3, July, 1928.  
 Intestinal Parasites of Wild Ducks and Geese. By E. C. O'Roke. Vol. 14, No. 4, October, 1928.  
 Duck Disease Caused by the Poison of the *Bacillus botulinus*. By M. Hobmaier. Vol. 16, No. 4, October, 1930.  
 Conditions and Control of Botulism (Duck Disease) in Waterfowl. By M. Hobmaier. Vol. 18, No. 1, January, 1932.  
 Observations on Duck Disease at Tulare Lake Basin, 1940. By A. S. Mays. Vol. 27, No. 3, July, 1941.  
 Reducing Coccidiosis in California Valley Quail During Captivity. By C. M. Herman and H. Jankiewicz. Vol. 28, No. 3, July, 1942.  
 The Protozoan Blood Parasite *Haemoproteus laphortyx* O'Roke—in Quail at the San Joaquin Experimental Range, California. By C. M. Herman and B. Glading. Vol. 28, No. 3, July, 1942.  
 Food Habits and Intensity of Coccidian Infection in Native Valley Quail in California. By C. M. Herman, J. E. Chattin and R. W. Saarni. Journal of Parasitology, Vol. 29, June, 1943.  
 A Parasite in the Muscles of Ducks in California. By C. M. Herman and G. L. Bolander. Vol. 29, No. 3, July, 1943.  
 Epidemiological Studies on Coccidiosis of California Quail. By C. M. Herman and J. E. Chattin. Vol. 29, No. 4, October, 1943.  
 Parasites of Cottontail Rabbits on the San Joaquin Experimental Range, California. By C. M. Herman and H. A. Jankiewicz. Journal of Wildlife Management, Vol. 7, October, 1943.  
 Eye Worm (*Thelazia californiensis*) Infection in Deer in California. By C. M. Herman. Vol. 30, No. 1, January, 1944.



- Parasite from Antelope in California. By J. E. Chattin, C. M. Herman and H. Kirby. Transactions American Microscopical Society, Vol. 63, No. 1, January, 1944.
- Notes on the Pupal Development of *Stillbometopa impressa* (Diptera: Hippoboscidae). By C. M. Herman. Journal of Parasitology, Vol. 30, No. 2, April, 1944.
- The Blood Protozoa of North American Birds. By C. M. Herman. Bird Banding, Vol. 15, No. 3, July, 1944.
- Hippoboscid Flies as Parasites of Game Animals in California. By C. M. Herman. Vol. 31, No. 1, January, 1945.
- Studies on the Condition of California Mule Deer at Sequoia National Park. By J. S. Dixon and C. M. Herman. Vol. 31, No. 1, January, 1945.
- Gapeworm in California Quail and Chukar Partridge. By C. M. Herman. Vol. 31, No. 2, April, 1945.
- Some Worm Parasites of Deer in California. By C. M. Herman. Vol. 31, No. 4, October, 1945.
- Deer Management Problems as Related to Disease and Parasites of Domestic Range Livestock. By C. M. Herman. Transactions Tenth North American Wildlife Conference, 1945, pp. 242-246.
- The Nose Bot Fly of Deer. By C. M. Herman. Vol. 32, No. 1, January, 1946.
- The Foot Worm Parasite of Deer. By C. M. Herman and A. I. Bischoff. Vol. 32, No. 2, October, 1946.

#### Game Kill Reports

- Deer Kill Records—A Guide to Management of Deer Hunting. By F. W. Johnson. Vol. 25, No. 2, April, 1939.
- Progress Report on Game Kill Statistics. By J. S. Hunter and D. H. Fry, Jr. Vol. 26, No. 4, October, 1940.
- Trends in California's Game Kill, 1935-1938. By J. S. Hunter and D. H. Fry, Jr. Vol. 27, No. 1, January, 1941.

#### Miscellaneous Reports

- The Care of Deer, Ducks and Trout. A four page circular, undated.
- Forest Handbook for California. U. S. Forest Service in cooperation with California State Chamber of Commerce. American Tree Association, Washington, D. C. 48 pp.
- Fishways in California. By J. Spencer. Vol. 18, No. 3, July, 1932.
- Report of Commissioners of Fisheries of the State of California for the Years 1870 and 1871. Vol. 19, No. 1, January, 1933. (A reprint from the biennial reports.)
- Report of Commissioners of Fisheries of the State of California for the Years 1872 and 1873. Vol. 19, No. 2, April, 1933. (A reprint from the biennial reports.)
- Fish and Game Statistics. By G. Conner. Vol. 23, No. 2, April, 1937.
- Rules and Regulations Governing the Importation of Wild Birds and Animals Into the State of California and Conditions Under Which Same May be Kept in Confinement. 1937.
- Hunting Seasons in Germany. By T. I. Storér. Vol. 24, No. 4, October, 1938.
- Cattle and Fish. By W. L. Scofield. Vol. 25, No. 2, April, 1939.
- Progress Report on the Central Valley Fisheries Investigation, 1939. By S. R. Hatton. Vol. 26, No. 4, October, 1940.
- The Vertebrate Animals of Friant Reservoir Basin with Special Reference to the Possible Effects Upon Them of the Friant Dam. By D. H. Hubbard. Vol. 27, No. 4, October, 1941.
- Economic Appraisal of Introduced Fishes in the Waters of California. By G. H. Clark. Vol. 28, No. 1, January, 1942.
- A Second Progress Report on the Central Valley Fisheries Investigations. By S. R. Hatton and G. H. Clark. Vol. 28, No. 2, April, 1942.
- Economic and Geographical Relations of Aboriginal Fishing in Northern California. By G. W. Hewes. Vol. 28, No. 2, April, 1942.
- A Preliminary Report on the Fishery Resources of California in Relation to the Central Valley Project. By R. Van Cleave. Vol. 31, No. 2, April, 1945.
- Trespass. By R. W. Kenny. Vol. 32, No. 1, January, 1946.