

CUMULATIVE INDEX

TO

THE MURRELET

VOLUMES 1-69 (1920-1988)

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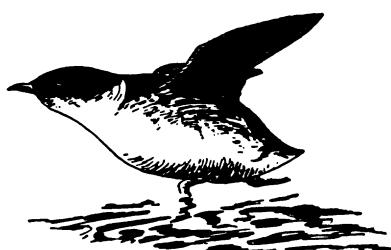
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INTRODUCTION

Historical Background

In the mid-1980's the Executive Board of the Pacific Northwest Bird and Mammal Society approved the publication of a cumulative index that would cover the years 1920 through 1985. Work on the index was initiated at that time, but its completion was delayed for several years. In 1988, when the decision was made to change the name of the Society and its journal, beginning with the first issue of 1989, the Board voted to extend the coverage of the index through 1988, and to produce an inclusive cumulative index that would span *The Murrelet's* full 69 years of publication.

This index not only documents changing styles in scientific writing, but the changing nature of our environment and of the distribution and abundance of bird and mammal faunas in the Pacific Northwest. The early years of publication represent a wealth of technical and anecdotal information about Pacific Northwest natural history during the initial phase of its documentation, including many new distribution records and descriptions of new species and subspecies. In accordance with changing standards for journal publications, more recent writings are generally narrower in focus, more investigative in approach, and written in a more formalized technical style.

The Murrelet long held a national reputation among regional journals for the quality of the papers it published, as well as for being the premier publication devoted to the natural history of Pacific Northwest birds and mammals. The historical and scientific value of many of the papers published in *The Murrelet* cannot be overemphasized, and a number of the volumes represented here have not been indexed previously. We anticipate that this publication will become an essential reference for those interested in Pacific Northwest natural history, and we are pleased to offer this index as issue No. 3 of Volume 70 of the *Northwestern Naturalist* (successor to *The Murrelet*).

Use of the Index

In the author/title index, full references are given under first-author entries. Co-author entries refer the reader to first-author entries. In accordance with editorial policy for *The Murrelet*, only common names for bird species are capitalized in the author/title and book review indexes.

The subject index has headings for scientific names, common names, subjects, and geographic locations. Page references are provided under current binomial scientific names whenever possible. The following references were used for species' nomenclature:

The American Ornithologists' Union. 1983. Checklist of North American birds. 6th edition. 877 pp.

Jones, J. K., Jr., et al. 1986. Revised checklist of North American mammals north of Mexico, 1986. Occas. Papers Mus., Texas Tech Univ., No. 107:1-22.

Obsolete scientific and common names used in the journal are shown in parentheses and are referred to the current scientific names. Common names are used only for non-specific groups (such as gulls) or subject headings that are phrases. Any articles with substantive data on more than three species have been referenced under more general headings (such as *Larus*, raptors, mammals). Short subject and geographic modifiers follow main subject entries to provide the user maximum information for each citation. A main entry geographic heading for State, Province, or Country has been used only when a location was named in the title of the paper, or when the report constituted a new distribution record. In a few cases geographic subentries were deemed appropriate, such

as for the Queen Charlotte Islands and Vancouver Island under British Columbia. Issue numbers are provided only for volumes that do not have consecutive page numbers.

Book reviews, with full citations, are indexed in a separate section under the names of the authors of the works being reviewed. Biographical sketches and memoria are indexed in a separate section under the names of the persons being described. A list has been appended to the index which gives the common name equivalent for each scientific name referenced in the subject index.

AUTHOR/TITLE INDEX

A

- Acton, J. R. 1964. Red Phalarope recorded from eastern Washington. 45:11.
- . 1964. Sight record of Sabine's Gull in eastern Washington. 45:28-29.
- Adams, A. W. *see* Pedersen, R. J.
- Adams, L. 1946. A new locality record for the Purple Martin in Oregon. 27:53.
- Adams, S. E. and M. L. Johnson. 1952. Porcupine on the Olympic Peninsula. 33:13.
- Akenson, H. A. *see* Bull, E. L.
- Albrecht, C. J. 1921. Sea lion note. 2(1):6.
- . 1922. The weazel and the rabbit. 3(3):5.
- . 1922. Migration of hawks. 3(3):5.
- Albright, R. 1959. Bat banding at Oregon Caves. 40: 26-27.
- Alcorn, G. D. 1931. Does the Tule Wren egg or nestling form part of the diet of the garter snake? 12:58.
- . 1932. Notes on feather-eating habits of the Western Grebe. 13:22-23.
- . 1932. Note on nesting of Sooty Grouse on Mt. Rainier. 13:94.
- . 1932. Mortality to bird life by automobiles. 13:95.
- . 1934. Notes on food of the Sparrow Hawk. 15:52.
- . 1934. Unusual home of beaver. 15:82.
- . 1935. Further notes on the food habits of some common birds. 16:17.
- . 1941. The Western Burrowing Owl in Grays Harbor County, Washington. 22:57-58.
- . 1949. Nesting of the Glaucous-winged Gull at Tacoma, Washington. 30:57.
- . 1949. Nesting of the Mourning Dove near Tacoma, Washington. 30:59.
- . 1954. Oregon Leach Petrel taken at Tacoma. 35:16.
- . 1956. Alaska Lapland Longspur, a spring sight record at Westport. 37:22.
- . 1958. Nesting of the Caspian Tern in Gray's Harbor, Washington. 39:19-20.
- . 1958. Another record of the Lincoln Sparrow at Tacoma. 39:20.
- . 1958. The Brown Headed Cowbird in the lower Puget Sound area. 39:27.
- . 1959. Another record of the Lewis Woodpecker in western Washington. 40:10.
- . 1959. Puffins on the south Grays Harbor beaches. 40:21.
- Alcorn, G. D. and G. Eddy. 1954. The nesting of the Oregon Leach Petrel on the Quillayute Needles. 35:46-47.
- Alcorn, G. D. and L. K. Mann. 1937. Winter flocks of Bohemian Waxwings. 18:30.
- Alcorn, P. A. 1958. A shrew-bee episode. 39:40.
- Alderson, G. 1960. Early Oregon nesting records. 41: 22.
- . 1960. The status of the Great Gray Owl in southern Oregon. 41:28.
- . 1961. An early Oregon nesting of Steller's Jay. 42:9.
- Allen, G. T., S. E. Fast, B. J. Langstaff, D. W. Tomrdle and B. L. Troutman. 1978. Census of Canada Geese on the Palouse River, Washington, during the spring of 1977. 59:96-100.
- Allen, S. 1980. Notes on the births and deaths of harbor seal pups at Double Point, California. 61:41-43.
- Amlaner, C. J., Jr. *see* Hayward, J. L., Jr.
- Amlaner, C. J., Jr., J. L. Hayward, Jr., E. R. Schwab, III and J. F. Stout. 1977. Increases in a population of nesting Glaucous-winged Gulls disturbed by humans. 58:18-20.
- Anderson, C. M. *see* Clark, W. S.
- . *see* Grubb, T. G.
- Anderson, H. L. 1978. Range of the tundra hare. 59: 72-74.
- Anderson, R. G. *see* Bull, E. L.
- . *see* Maser, C.
- Anderson, R. J. *see* Isaacs, F. B.
- Anderson, S. H. *see* Maser, C.
- Anderson, S. 1955. Small mammals from Gilliam County, Oregon. 36:26-27.
- . *see* Russell, R. J.
- Anthony, R. G. *see* Isaacs, F. B.
- Anthony, R. G., E. D. Forsman, G. A. Green, G. Witmer and S. K. Nelson. 1987. Small mammal populations in riparian zones of different-aged coniferous forests. 68:94-102.
- Antonelis, G. A., Jr., S. Leatherwood, L. H. Cornell and J. G. Antrim. 1981. Activity cycle and food selection of captive sea otters. 62:6-9.
- Antrim, J. G. *see* Antonelis, G. A., Jr.
- Armstrong, F. H. 1957. Notes on *Sorex preblei* in Washington State. 38:6.
- . 1962. Range extension of the Beechey ground squirrel. 43:28.
- . 1962. A swimming cony. 43:54.
- Athearn, J. B. *see* Knight, R. L.
- Aubry, K. B. and S. D. West. 1984. The status of native and introduced mammals on Destruction Island, Washington. 65:80-83.
- . 1987. Occurrence of Townsend's vole (*Microtus townsendii*) on Ozette Island, Washington. 68: 63-66.

B

- Bailey, A. M. 1924. Collecting at Cape Prince of Wales. *5*(2):3-4.
- Bailey, E. P. 1976. Breeding bird distribution and abundance in the Barren Islands, Alaska. *57*:2-12.
- . 1977. Distribution and abundance of marine birds and mammals along the south side of the Kenai Peninsula, Alaska. *58*:58-72.
- . 1978. Breeding seabird distribution and abundance in the Shumagin Islands, Alaska. *59*:82-91.
- . *see* Byrd, G. V.
- . *see* West, G. C.
- Bailey, E. P. and N. H. Faust. 1980. Summer distribution and abundance of marine birds and mammals in the Sandman Reefs, Alaska. *61*:6-19.
- . 1981. Summer distribution and abundance of marine birds and mammals between Mitrofania and Sutwik Islands south of the Alaska Peninsula. *62*:34-42.
- Bailey, F. M. 1931. Plumage of the Black Swift. *12*:55.
- . 1932. Plumage of the Black Swift once more. *13*:22.
- Bailey, T. N. *see* Bangs, E.
- Balcomb, K. C. 1973. Cuvier's beaked whale from Washington State. *54*:37.
- Baldwin, P. H. *see* Hunter, W. F.
- Balmer, A. 1924. Freak duck taken in western Washington. *5*(1):12.
- . 1924. Spotted Owl (*Strix occidentalis*). *5*(1):13.
- . 1924. Barn Owl in Washington. *5*(1):13.
- . 1924. European Widgeon in Washington. *5*(1):13.
- . 1924. Breeding of Pigeon Guillemot near Seattle. *5*(3):12.
- . 1924. Late notes on birds in western Washington. *5*(3):12.
- . 1925. Note on the Western Gull (*Larus occidentalis*). *6*:13.
- . 1926. The Snow Bunting on Puget Sound, Wash. *7*:15.
- . 1926. Osprey nesting at Seattle, Washington. *7*:67.
- . 1935. Some new State records at Westport, Washington. *16*:16.
- . 1935. Another record of the Chilean Skua (*Catharacta chilensis*) off Grays Harbor, Washington. *16*:70.
- . 1935. More about the Marbled Murrelet. *16*:71.
- . 1936. Beach combings at Westport, Washington. *17*:21.
- . 1936. Audubon's Caracara taken in Grays Harbor County, Wash.—a new State record. *17*:54.
- . 1937. Whistling Swan at Westport, Washington. *18*:29.
- . 1938. Chilean Skuas and California Brown Pelicans along the Washington Coast. *19*:18.
- Bammann, A. R. *see* Marks, J. S.
- Bangs, E. E., V. D. Berns and T. N. Bailey. 1981. Leech parasitism of Trumpeter Swans in Alaska. *62*:24-26.
- Barber, O. 1941. Juvenile Marbled Murrelet found on Coos River. *22*:38-39.
- Barclay, H. 1981. Plumage development as an aging technique in juvenile California Quail. *62*:59-60.
- Barnard, A. E. 1973. Occurrence of Black Brant molting in Boundary Bay, British Columbia. *54*:12-13.
- Barnett, R. J. *see* Dillman, B. V.
- Barrentine, C. D. 1979. Notes on the food habits of Barn Owls at Montesano, Washington. *60*:106.
- . *see* Shook, R. S.
- Barrentine, C. D. and R. S. Shook. 1978. A December Barn Swallow observation for central Washington. *59*:108.
- Barss, J. M. and R. B. Forbes. 1984. A spotted bat (*Euderma maculatum*) from north-central Oregon. *65*:80.
- Baskett, C. M. 1928. Rusty Blackbird seen in western Washington. *9*:20.
- Batey, H. H. *see* Batey, K. M.
- Batey, K. M., H. H. Batey and I. O. Buss. 1980. First Boreal Owl fledglings for Washington State. *61*:80.
- Bawdow, E. D. *see* Moldenhauer, R. R.
- Bayer, R. D. 1979. Bald Eagle-Great Blue Heron interactions. *60*:31-33.
- . 1981. Weights of Great Blue Herons at the Yaquina Estuary, Oregon. *62*:18-19.
- . 1981. California sea lions in the Yaquina River Estuary, Oregon. *62*:56-59.
- . 1981. Great Blue Herons "mousing" in western Oregon. *62*:91.
- . 1983. Birds associated with California sea lions at Yaquina Estuary, Oregon. *64*:48-51.
- . 1983. Seasonal occurrences of ten waterbird species at Yaquina Estuary, Oregon. *64*:78-86.
- . 1983. Nesting success of Western Gulls at Yaquina Head and on man-made structures in Yaquina Estuary, Oregon. *64*:87-91.
- . 1984. Oversummering of Whimbrels, Bonaparte's Gulls, and Caspian Terns at Yaquina Estuary, Oregon. *65*:87-90.
- . 1985. Six years of harbor seal censusing at Yaquina Estuary, Oregon. *66*:44-49.
- . 1985. Harbor porpoises at Yaquina Estuary, Oregon. *66*:60-62.
- . 1986. Breeding success of seabirds along the mid-Oregon coast concurrent with the 1983 El Niño. *67*:23-26.
- . 1986. Fledgling Common Murre killed and abandoned by a gull after leaving the vicinity of the colony. *67*:30-31.

- . 1987. Winter observations of Bald Eagles at Yaquina Estuary, Oregon. **68**:39-44.
- Bayer, R. D. and D. L. Herzing. 1985. Pre-laying assemblages of Common Murres on the colony at Yaquina Head, Oregon. **66**:94-95.
- Bayer, R. D. and E. McMahon. 1981. Colony sizes and hatching synchrony of Great Blue Herons in coastal Oregon. **62**:73-79.
- Beach, R. J., T. C. Newby, R. O. Larson, M. Pedersen and J. Juris. 1975. Sea otter observations from the M/V MARK I in the Aleutian Islands, Alaska. **56**(3):17-19.
- . 1976. Entanglement of an Aleutian reindeer in a Japanese fish net. **57**:66.
- Beckel, A. I. 1980. Response of sea otters to killer whales in Prince William Sound, Alaska. **61**:46-47.
- Beckwith, R. C. and E. L. Bull. 1985. Scat analysis of the arthropod component of Pileated Woodpecker diet. **66**:90-92.
- Beebe, F. L. 1959. A nesting record of a Black Swift. **40**:9-10.
- Beer, J. R. 1948. Notes on the food habits of some western grouse. **29**:18-20.
- . 1955. Some gross morphology of the Blue Grouse digestive tract. **36**:22-25.
- . 1959. A collection of deer mice from Otter Rock, Oregon. **40**:28-29.
- Beg, M. A. and R. S. Hoffmann. 1977. Age determination and variation in the red-tailed chipmunk, *Eutamias ruficaudus*. **58**:26-36.
- Benedict, E. M. and R. B. Forbes. 1979. Kit fox skulls in a southeastern Oregon cave. **60**:25-27.
- Bennett, H. S. and G. Eddy. 1949. White-throated Sparrow in King County, Washington, in winter. **30**:17.
- . 1949. European Starling in King County, Washington. **30**:18.
- Benson, G. G. *see* Rohwer, S.
- Benson, S. B. *see* Johnson, M. L.
- Bentley, W. W. *see* Denson, E. P., Jr.
- Bernard, J. F. 1923. Migration of the Little Brown Crane. **4**(2):16.
- . 1925. Unusual circumstance of Sabine Gulls (*Xema sabini*) burying dead gull for protection from enemies. **6**:4-5.
- . 1925. Note on a mother fox feeding young in captivity. **6**:14.
- . 1925. Farthest north record of fur seal. **6**:14.
- Berns, V. B. *see* Bangs, E. E.
- Bertram, D. *see* Kaiser, G. W.
- Bertrand, G. A., J. M. Scott and J. Butler. 1973. American Redstart breeding in southwestern Oregon. **54**:24.
- Bertrand, G. A. *see* Scott, J. M.
- Betts, B. L. *see* Klaver, R. W.
- Betts, H. W. 1940. Bird notes from Yukon Territory. **21**:11.
- Biddulph, O. 1967. Black and White Warbler in Whitman County, Washington. **48**:21.
- Bigg, M. A. and F. J. Tarasoff. 1969. Death due to a bowel obstruction in a new-born harbour seal. **50**:8.
- Bingham, D. S. *see* Vermeer, K.
- Biological Survey, Bureau of. 1932. New game regulations pertaining to the Alaska brown bear. **13**: 56.
- Bishop, L. B. 1930. An albino Glaucous-winged Gull. **11**(1):18.
- . 1930. A late breeding of the Nighthawk on Vancouver Island. **11**(1):18-19.
- . 1930. The Eastern Kingbird breeding on Vancouver Island. **11**(1):19.
- . 1930. The Ancient Murrelet in the Inside Passage. **11**(1):19.
- . 1930. A "pensioner" merganser. **11**(1):19.
- . 1931. Yakutat Song Sparrow on Vancouver Island, B.C. **12**:55.
- Bizeau, E. G. *see* Steel, P. E.
- Blackburn, D. and G. Gray. 1977. An apparent Ring-necked Pheasant x Blue Grouse hybrid. **58**:78.
- Blakely, K. L., J. A. Crawford, R. M. Oates and K. M. Kilbride. 1988. Invertebrate matter in the diet of California Quail in western Oregon. **69**:75-78.
- Blankenship, T. E. *see* Locatelli, M. S.
- Blaustein, A. R. and A. C. Risser, Jr. 1974. Interspecific interactions between the Great Basin pocket mouse (*Perognathus parvus*) and the little pocket mouse (*P. longimembris*) in captivity. **55**:23-25.
- Bleich, V. C. 1974. Muskrats (*Ondatra zibethicus*) in Amargosa Canyon, Inyo and San Bernardino Counties, California. **55**:7-8.
- . 1974. Abnormal dentition in a grizzly bear. **55**:11.
- Blood, D. A. and G. W. Smith. 1984. Weights and measurements of Roosevelt elk on Vancouver Island. **65**:41-44.
- Blus, L. J. *see* Henny, C. J.
- Blus, L. J. and C. J. Henny. 1981. Suspected Great Blue Heron population decline after a severe winter in the Columbia Basin. **62**:16-18.
- Blus, L. J., C. J. Henny and M. S. Eltzroth. 1987. Recent sightings and a specimen record of the Trumpeter Swan in the Willamette Valley, Oregon. **68**: 55-56.
- Blus, L. J., C. J. Henny and T. E. Kaiser. 1980. Pollution ecology of breeding Great Blue Herons in the Columbia Basin, Oregon and Washington. **61**:63-71.
- Boggs, E. M. *see* Boggs, R. M.
- Boggs, R. M. and E. M. Boggs. 1963. Summer sight record of White-throated Sparrow in eastern Washington. **44**:34-35.
- . 1964. Sight record of Short-tailed Albatross. **45**:48.
- Bohn, C. *see* Galen, C.

- Bonham, K. 1942. Records of harbor seals in Lakes Washington and Union, Seattle. 23:76.
- Booth, E. J. 1927. Egg of Marbled Murrelet (*Brachyrampus marmoratus*). 8:16.
- _____. 1931. Observations on the Black Swift. 12:82-83.
- _____. 1932. Nesting colonies of the Northwestern Coast Heron in northwest Washington. 13:34-37.
- Booth, E. S. 1939. Coast Wren-Tit in western Washington. 20:10.
- _____. 1939. Rocky Mountain Pygmy Owl in the Blue Mountains. 20:10.
- _____. 1939. Zonal distribution of birds in the Blue Mountain district. 20:14-16.
- _____. 1939. White-headed Woodpecker in the Blue Mountains. 20:18.
- _____. 1939. Saw-whet Owl not rare in southeastern Washington. 20:22.
- _____. 1939. Herons wintering in Walla Walla Valley. 20:22.
- _____. 1939. Status of the Long-eared Owl in southeastern Washington. 20:60-61.
- _____. 1939. Notes on birds of the Blue Mountain region. 20:70.
- _____. 1939. Two new records of birds of the Blue Mountain region. 20:70.
- _____. 1942. Mourning Doves in eastern Washington in winter. 23:82.
- _____. 1942. Observations on the young of *Eutamias*. 23:84.
- _____. 1942. Spotted red-backed mouse. 23:84.
- _____. 1943. Observations on the kangaroo rat in captivity. 24:10-11.
- _____. 1944. Flicker eating grapes. 25:44.
- _____. 1945. *Corynorhinus* in northeastern Oregon. 26:26.
- _____. 1945. Mourning Doves wintering in southeastern Washington and northeastern Oregon. 26:26.
- _____. 1945. Anthony Green Heron in eastern Oregon and eastern Washington. 26:26.
- _____. 1945. A new red-backed mouse from Washington State. 26:27-28.
- _____. 1947. A new chipmunk from Washington State. 28:7-8.
- _____. 1957. Further records of the Red-backed Sandpiper in eastern Washington. 38:31.
- Borreco, J. E. and E. F. Hooven. 1972. Northern distribution record of the California meadow mouse (*Microtus californicus*) in Oregon. 53:32-33.
- Boula, K. M. 1982. Food habits and roost-sites of Saw-whet Owls in northeastern Oregon. 63:92-93.
- Bowhay, E. L. *see* Patterson, J. R.
- Bowles, J. H. 1920. Report of Tacoma, Washington. 1(1):6-7.
- _____. 1920. Notes from Pierce County, Washington. 1(2):8-10.
- _____. 1921. Notes from Pierce County, Washington. 2(2):3.
- _____. 1921. Note on an Aleutian Rosy Finch. 2(1):5.
- _____. 1921. Tacoma notes. 2(1):11-12.
- _____. 1921. Tacoma, Washington, notes. 2(2):4.
- _____. 1921. Breeding dates for Washington birds. 2(2):8-12.
- _____. 1921. Notes on the Tule Wren, Tacoma, Washington. 2(3):5.
- _____. 1921. Note from the Tacoma Flats. 2(3):7.
- _____. 1921. Notes on the California gray squirrel (*Sciurus griseus griseus*) in Pierce County, Washington. 2(3):12-13.
- _____. 1922. Bird notes from Tacoma, Washington. 3(1):4-5.
- _____. 1922. The bird trapper of the Twentieth Century. 3(1):9-12.
- _____. 1922. Notes from Tacoma, Washington. 3(2):7.
- _____. 1922. Birds of Tacoma and vicinity. 3(2):14-16.
- _____. 1922. Tacoma bird notes. 3(3):3.
- _____. 1924. A possible cause for injured legs in gulls. 5(1):9.
- _____. 1924. Gulls with banded legs at Tacoma, Washington. 5(1):9.
- _____. 1924. Tacoma notes on the spring of 1924. 5(2):7-8.
- _____. 1924. A study of bird stomachs and their contents. 5(3):3-5.
- _____. 1925. Depredations of ducks upon the oyster beds near Olympia, Washington. 6:8.
- _____. 1925. First record of the Western Gull (*Larus occidentalis*) in Pierce County, Washington. 6:12.
- _____. 1925. A study of bird stomachs and their contents. 6:27-31.
- _____. 1925. Spring notes of 1925, Tacoma and vicinity. 6:42.
- _____. 1925. Additional notes on stomach contents of birds. 6:60.
- _____. 1926. A study of bird stomachs and their contents. 7:9-12.
- _____. 1926. Summer record of the Burrowing Owl in Clallam County, Wash. 7:39.
- _____. 1926. Regularity in habits of the Northwestern Flicker. 7:42.
- _____. 1926. Early migration of waterfowl. 7:66.
- _____. 1927. Nesting of the Wood Duck (*Aix sponsa*) in Pierce County, Wash. 8:15.
- _____. 1927. Bohemian Waxwings at Tacoma, Washington. 8:18.
- _____. 1927. Nesting of the Western Robin. 8:74.
- _____. 1927. Food of the Northwestern Flicker. 8:78.
- _____. 1928. The status of the Raven in Washington. 9:45.

- _____. 1929. California Creeper infected with maggots. **10**:17.
- _____. 1929. Changes in bird population. **10**:52-55.
- _____. 1929. Charles de Blois Green, the ornithologist. **10**:68-69.
- _____. 1930. Nesting of the Sharp-shinned Hawk. **11**(1):13-14.
- _____. 1930. Scarcity of jack rabbits in eastern Washington. **11**(2):18.
- _____. 1930. Sheep versus the bird population. **11**(2):19.
- _____. 1931. The European Widgeon on the Nisqually Flats near Tacoma, Washington. **12**:21-22.
- _____. 1931. Notes from Westport, Gray's Harbor County, Washington. **12**:81.
- _____. 1932. Notes from Westport, Washington. **13**:93-94.
- _____. 1933. Why is an Oologist? **14**:2-6.
- _____. 1933. California Brown Pelican seen near Tacoma, Washington. **14**:16.
- _____. 1933. Hybrid flickers wintering in the coast district of Washington. **14**:16.
- _____. 1933. Late nesting dates in 1933 near Tacoma, Washington. **14**:80.
- _____. see Decker, F. R.
- _____. see Green, C. de B.
- Bowles, J. H. and F. R. Decker. 1927. Nesting habits of the Townsend's Solitaire. **8**:12-13.
- _____. 1931. The Ferruginous Rough-leg in Washington. **12**:65-70.
- _____. 1931. Baldpate nesting in Washington: a State record. **12**:82.
- _____. 1931. Limicola smearing mud on their eggs. **12**:82.
- _____. 1932. The Bobolink again in the State of Washington. **13**:53.
- Boyce, M. S. 1980. Possible competitive displacement between Common Nighthawks and bats in southwestern Oregon. **61**:35.
- Boyd, D. and B. O'Gara. 1985. Cougar predation on coyotes. **66**:17.
- Boyd, L. 1973. A late record for Peregrine Falcons in Whitman County, Washington. **54**:19.
- Braden, N. 1953. Starlings nesting in Washington. **34**:47.
- Braly, J. C. see Gabrielson, I. N.
- Bray, M. P. 1984. An evaluation of heron and egret marsh nesting habitat and possible effects of burning. **65**:57-59.
- _____. see Van Vuren, D.
- Brennan, L. A., J. B. Buchanan, S. G. Herman and T. M. Johnson. 1985. Interhabitat movements of wintering Dunlins in western Washington. **66**:11-16.
- Brennan, W. H. see Newman, J. R.
- Brenneman, J. see Johnson, M. L.
- Brent, H. see Zwickel, F.
- Brigham, J. H. 1954. Summer mortality of juvenile black-tailed deer in western Washington. **35**:39-42.
- Brigham, R. M. see Miller, W. R.
- Broadbooks, H. E. 1939. Food habits of the vagrant shrew. **20**:62-66.
- _____. 1946. Anthony Green Heron at Yaquina Bay, Oregon. **27**:12.
- _____. 1951. Bat pursues Nighthawk. **32**:45.
- _____. 1961. Ring-billed Gulls nesting on Columbia River islands. **42**:7-8.
- _____. 1963. Extension of the woodchuck's range in British Columbia. **44**:24.
- _____. 1969. Dispersal of kangaroo rats in Washington. **50**:33-34.
- Brockman, C. F. 1939. Pacific beaver—yellow-haired porcupine-Puget Sound striped skunk. **20**:71.
- Brode, H. S. 1925. Behavior of the chipmunk. **6**:41.
- Brodie, E. D., Jr. see Maser, C.
- Brodie, E. D., Jr. and C. Maser. 1967. Analysis of Great Horned Owl pellets from Deschutes County, Oregon. **48**:11-12.
- Brooks, A. 1922. Winter notes from Okanagan, B.C. **3**(1):13.
- _____. 1922. Notes on the mammals and birds of the Hudsonian Zone, Cascade Mts., 49th parallel. **3**(2):8-9.
- _____. 1925. Winter notes from Okanagan, B.C. **6**:3-4.
- _____. 1926. The mystery of the Marbled Murrelet. **7**:1-2.
- _____. 1926. Scarcity of the Marbled Murrelet. **7**:39.
- _____. 1927. British Columbia notes. **8**:43-44.
- _____. 1927. The status of certain sandpipers on the Pacific Slope. **8**:75.
- _____. 1928. The invasion of moose in British Columbia. **9**:43-44.
- _____. 1928. Does the Marbled Murrelet nest inland? **9**:68.
- _____. 1930. The Pygmy Owl. **11**(1):7-9.
- _____. 1930. Early big-game conditions in the Mount Baker district, Washington. **11**:65-67.
- _____. 1932. The occurrence of the Falcated Duck (*Eunetta falcata*) in Okanagan, British Columbia. **13**:92.
- _____. 1934. The status of the dowitchers of the Pacific Slope. **15**:23.
- _____. 1934. The increasing scarcity of small birds. **15**:78-79.
- _____. 1937. Thayer's Gull (*Larus argentatus thayeri*) on the Pacific Coast. **18**:19-21.
- _____. 1939. The Pine Grosbeak of southwestern British Columbia. **20**:57-59.
- _____. 1942. The extension of range of two northwestern finches. **23**:78-79.
- Brown, D. E. 1920. Observation notes in vicinity of Seattle. **1**(1):8.

- . 1921. Fox Sparrow note. **2**(1):6.
- . 1921. Shore birds at Westport, Washington. **2**(2):13-15.
- . 1921. Nesting of the Green-winged Teal and Ruddy Duck in King County, Washington. **2**(3):5.
- . 1921. Late nesting of the Pied-billed Grebe, King County, Washington. **2**(3):5.
- . 1922. Fox Sparrows. **3**(2):7.
- . 1923. Notes on the nesting of the California Cuckoo (*Coccyzus americanus occidentalis*) in Washington. **4**(2):17.
- . 1924. The Burrowing Owl (*Speotyto cunicularia hypogaea*) in western Washington. **5**(1):8.
- . 1924. Notes on Fox Sparrows of western Washington. **5**(1):11.
- . 1924. Sooty Shearwater (*Puffinus griseus*) at Willapa Bay. **5**(2):13.
- . 1924. The sapsucker's tree. **5**(2):13.
- . 1924. Notes from western Washington. **5**(3):11.
- . 1925. Nesting of Kennicott's Screech Owl (*Otus asio kennicotti*). **6**:40.
- . 1925. Two rare birds for Washington. **6**:41.
- . 1925. Nesting of the White-headed Wood-pecker (*Xenopicus albolarvatus*) in Washington. **6**:63.
- . 1926. Birds observed at Moses Lake, Grant County, Washington. **7**:48-51.
- . 1928. Birds observed at Westport, Washington. **9**:16-19.
- . 1928. Rare records at Westport, Washington. **9**:21-22.
- . 1928. Some recent bird records for Washington. **9**:22;
- . 1930. Notes from a country home. **11**(1):21-22.
- . 1930. Additional notes from a country home. **11**(2):18-19.
- . 1930. Nesting habits of the Steller Jay (*Cyanocitta stelleri stelleri*) in western Washington. **11**:68-69.
- . 1931. Notes from a country home. **12**:56.
- . 1931. Additional notes on the nesting habits of the Steller Jay (*Cyanocitta stelleri stelleri*). **12**:57.
- . 1934. Dotterel—a first record for the United States. **15**:79.
- . 1934. Washington bird notes—fall of 1934. **15**:79-80.
- . 1935. Yellow-headed Blackbird in western Washington. **16**:18.
- . 1935. Early fall record for Alaska Longspur. **16**:18.
- . 1935. Birds bathing in icewater. **16**:18.
- . 1935. Unusual nest of the Northern Cliff Swallow. **16**:41.
- . 1935. Stilt Sandpiper in Washington. **16**:70.
- . 1935. Breeding of the Pacific Fulmar. **16**:70-71.
- . 1935. Hoary bat taken at Westport, Washington. **16**:72.
- . 1937. Some notes on the Rusty Song Sparrow. **18**:29-30.
- . 1937. Sooty Shearwaters on the coast of Washington. **18**:30-31.
- . see Warburton, S., Jr.
- Brown, E. M., A. F. King and D. B. Houston. 1988. Natural mortality of a cougar. **69**:38.
- Brown, E. R. see Rieck, C. A.
- Brown, J. L. 1953. Mockingbird (*Mimus polyglottos*) in southeastern Alaska. **34**:11.
- Brown, R. see Harvey, J.
- Browning, M. R. 1966. Range additions of several species of birds in southwestern Oregon. **47**:50-51.
- . 1966. Additional records of the birds of southwestern Oregon. **47**:76.
- . 1968. Noteworthy records of birds of Lava Beds National Monument, Siskiyou, and Modoc Counties, California. **49**:36-37.
- . 1971. Second inland specimen of the Ancient Murrelet for Oregon. **52**:42.
- . 1973. Nonbreeding birds observed at Goat Island, Oregon. **54**:31-33.
- . 1973. Bendire's records of Red-shouldered Hawk (*Buteo lineatus*) and Yellow-bellied Sapsucker (*Sphyrapicus varius nuchalis*) in Oregon. **54**:34-35.
- . 1974. Taxonomic remarks on recently described subspecies of birds that occur in the northwestern United States. **55**:32-38.
- . 1975. Errata. **56**(1):15-16.
- Browning, M. R. and W. W. English. 1972. Breeding birds of selected Oregon coastal islands. **53**:1-7.
- Bruce, C. R. see Forsman, E. D.
- Bruce, J. A. and C. A. Long. 1962. Nesting of the Barn Owl, *Tyto alba*, on San Juan Island, Washington. **43**:51.
- Brueggeman, J. J. 1980. Coastal occurrence of birds at Point Barrow, Alaska, in spring. **61**:31-34.
- . see Knight, R. L.
- Bryan, T. and E. D. Forsman. 1987. Distribution, abundance, and habitat of Great Gray Owls in south-central Oregon. **68**:45-49.
- Bryant, L. D. see Pedersen, R. J.
- Buchanan, J. B. 1987. Seasonality in the occurrence of long-tailed weasel road-kills. **68**:67-68.
- . see Brennan, L. A.
- Buckner, C. H., A. J. Erskine, R. Lidstone, B. B. McLeod and M. Ward. 1975. The breeding bird community of coast forest stands on northern Vancouver Island. **56**(3):6-11.
- Buechele, C. L. see Harris, S. W.
- . see Yocom, C. F.

- Buechele, C. L. and D. Nosler. 1954. Close nesting of Mallard and Marsh Hawk. 35:10.
- Buffam, F. V. 1964. Visit to Western Grebe colony at Salmon Arm, British Columbia. 45:48.
- Bull, E. L. 1978. Roosting activities of a male Pileated Woodpecker. 59:35-36.
- _____. 1983. Bird response to beetle-killed lodgepole pine. 64:94-96.
- _____. see Beckwith, R. C.
- _____. see Maser, C.
- Bull, E. L. and H. A. Akenson. 1985. Common Barn Owl diet in northeastern Oregon. 66:65-68.
- Bull, E. L. and R. G. Anderson. 1978. Notes on Flam-mulated Owls in northeastern Oregon. 59:26-28.
- Bunch, Mrs. C. H. 1964. Nesting of the Western Purple Martin. 45:10-11.
- Burgner, R. L. see Dalquest, W. W.
- Burke, T. E. 1975. Recent sight record and photographs of a hoary marmot in n.e. Washington. 56(1):11-12.
- _____. see Layser, E. F.
- Burleigh, T. D. 1923. In the haunts of the Swainson's Warbler. 4(1):5-7.
- _____. 1927. Highlights of the past nesting season in Georgia. 8:5-7.
- _____. 1927. A brief sojourn in Cape May County, New Jersey. 8:72-73.
- _____. 1928. A brief glimpse of California bird life. 9:39-42.
- _____. 1954. Another record for the occurrence of the West Mexican Tropical Kingbird in the State of Washington. 35:49.
- _____. 1956. Another record for the Willet in Grays Harbor County, Washington. 37:24-25.
- _____. 1957. A winter record for the Myrtle Warbler (*Dendroica coronata*) in Grays Harbor County, Washington. 38:3.
- _____. 1959. Eastern Kingfisher in eastern Washington. 40:20.
- _____. 1960. A new subspecies of Downy Wood-pecker from the Northwest. 41:42-44.
- Burns, J. J. 1964. Movements of a tagged weasel in Alaska. 45:10.
- Burr, I. W. 1967. King Eider (*Somateria spectabilis*) in the San Juans. 48:7.
- Burrell, G. C. 1980. Some observations on nesting Tufted Puffins, Destruction Island, Washington. 61:92-94.
- _____. 1982. Age-related fecundity of mule deer (*Odocoileus hemionus hemionus*) on Entiat winter range, Washington. 63:26-27.
- Burt, W. H. 1933. On the breeding habits of pocket gophers. 14:42.
- Burton, W. F. 1922. Nesting of the Band-tailed Pigeon (*Columba fasciata fasciata*) on Vancouver Island, B.C. 3(3):11.
- _____. 1930. Spike buck of fallow deer runs amuck. 11(2):17.
- _____. 1931. Vancouver Island, B.C., notes. 12:22-23.
- _____. 1932. Crow with deformed beak adapts itself to conditions. 13:54.
- Buss, I. O. see Batey, K. M.
- Butcher, E. B. 1957. The Northern Shrike (*Lanius borealis vieilloti*). 38:3.
- _____. 1957. White Baldpate (*Mareca americana gmelini*). 38:25.
- Butcher, G. S. 1981. Northern Orioles disappear with Mt. St. Helens ashfall. 52:15-16.
- Butler, J. see Bertrand, G. A.
- Butler, R. W. 1981. The historical and present distribution of the Bushtit in British Columbia. 62:87-90.
- _____. see Footitt, R. G.
- Butler, R. W., M. Lemon and M. Rodway. 1985. North-western Crows in Rhinoceros Auklet colony: predators and scavengers. 66:86-90.
- Byrd, G. V., G. J. Divoky and E. P. Bailey. 1980. Changes in marine bird and mammal populations on an active volcano in Alaska. 61:50-62.
- Byrd, G. V. and T. G. Tobish. 1978. Wind-caused mortality in a Kittiwake colony at Buldir Island, Alaska. 59:37.

C

- Calambokidis, J. A. see Steiger, G. A.
- Calambokidis, J. A., R. D. Everitt, J. C. Cubbage and S. D. Carter. 1979. Harbor seal census for the inland waters of Washington, 1977-1978. 60:110-112.
- Calder, W. A. 1966. A sight record of the Indigo Bunting in Washington. 47:45.
- _____. 1967. A sight record of the Indigo Bunting in Washington. 48:40.
- Cameron, D. M., Jr. 1967. Carnivorous behavior of the golden-mantled ground squirrel. 48:13.
- Campbell, J. M. 1956. A note on winter foraging of the Golden Eagle in Yakima County. 37:11-12.
- _____. 1967. The Upland Plover in arctic Alaska. 48:28-33.
- _____. 1968. Birds of Chandler Lake, Brooks Range, Alaska. 49:15-24.
- Campbell, R. W. 1967. Common Teals wintering in southwestern British Columbia. 48:27.
- _____. 1968. Long-tailed Jaegers sighted at Vancouver, British Columbia. 49:6.
- _____. 1968. Occurrence and nesting of the Black Oystercatcher near Vancouver, British Columbia. 49:11.
- _____. 1968. A sight record of the Emperor Goose at White Rock, British Columbia. 49:14.
- _____. 1968. Alexandrian rat predation on Ancient Murrelet eggs. 49:38.
- _____. 1970. The White Pelican in southwestern British Columbia. 51:18-19.

- . 1972. Range extension of the big brown bat on Vancouver Island, British Columbia. **53**:12.
- . 1973. Coastal records of the Barred Owl for British Columbia. **54**:25.
- Campbell, R. W. and R. E. Luscher. 1972. Semi-palmated Plover breeding at Vancouver, British Columbia. **53**:11-12.
- Campbell, R. W. and G. P. Sirk. 1969. Common Grackle sighted at Vancouver, British Columbia. **50**:38.
- Campbell, R. W. and D. Stirling. 1968. Notes on the vertebrate fauna associated with a Brandt's Cormorant colony in British Columbia. **49**:7-9.
- Canaris, A. G. 1950. Sight record of American Egret in eastern Washington. **31**:46.
- Canning, D. J. and S. G. Herman. 1983. Gadwall breeding range expansion into western Washington. **64**:27-31.
- Cannings, J. M. *see* Cannings, R. J.
- Cannings, R. J. 1981. Notes on the nesting of Horned Larks on the Chilcotin Plateau of British Columbia. **62**:21-23.
- . 1986. Infestations of *Carnus hemapterus* Nitzsch (Diptera:Carnidae) in Northern Saw-whet Owl nests. **67**:83-84.
- Cannings, R. J. and S. R. Cannings. 1982. A Flammulated Owl nest in a nest box. **63**:66-68.
- Cannings, R. J., S. R. Cannings, J. M. Cannings and G. P. Sirk. 1978. Successful breeding of the Flammulated Owl in British Columbia. **59**:74-75.
- Cannings, S. R. *see* Cannings, R. J.
- Cannon, V. 1947. European Widgeon and European Teal at Seattle, Washington. **28**:13.
- Cantwell, G. G. 1920. Chapter 2nd. Worse than the first. **1(2)**:5.
- . 1921. Washington field notes. **2(2)**:5.
- . 1921. The Marbled Murrelet. **2(3)**:7.
- Carl, G. C. 1942. Another record of the King Eider in British Columbia. **23**:62.
- . 1946. Sharp-headed finner whale stranded at Sidney, Vancouver Island, British Columbia. **27**:47-49.
- . 1967. A gray whale in inside waters. **48**:56-57.
- . 1968. Diving rhythm of a gray whale. **49**:10.
- Carraway, L. N. 1987. Analysis of characters for distinguishing *Sorex trowbridgii* from sympatric *S. vagrans*. **68**:29-30.
- . *see* Verts, B. J.
- Carter, B. E. 1961. An unusual Magpie mortality. **42**:21.
- . *see* Hansen, E. L.
- Carter, G. D. *see* Phillips, R. E.
- Carter, H. R. and S. G. Sealey. 1987. Inland records of downy young and fledgling Marbled Murres in North America. **68**:58-63.
- Carter, S. D. *see* Calambokidis, J. A.
- Carver, W. H. 1928. Notes from St. George's Island, Alaska. **9**:63-65.
- . 1929. More observations from St. George's Island, Alaska. **10**:15-17.
- Caswell, E. B. 1953. A mole from Idaho. **34**:9.
- Channing, C. H. 1958. Highway casualties of birds and animals for one year period. **39**:41.
- . 1959. Resultant confusion in usage of terms describing species occurrence. **40**:11.
- Chapman, J. A. 1970. Weights and measurements of Dusky Canada Geese wintering in Oregon. **51**:34-37.
- Chapman, J. A. and C. J. Henny. 1968. Records of Surf Scoters found inland in Oregon. **49**:11-12.
- Chapman, J. A. and B. J. Verts. 1969. Interspecific aggressive behavior in rabbits. **50**:17-18.
- Chapman, W. M. 1940. A right whale dolphin collected in Washington. **21**:10.
- Chappell, C. B. and T. A. Williamson. 1984. First documented breeding of the White-breasted Nuthatch in western Washington. **65**:51-52.
- Cheney, P. W. 1948. A white weasel from the Lower White River, Washington. **29**:29.
- . 1963. A mole from the east side of the Columbia River in Washington State. **44**:23.
- . *see* Cheney, S.
- . *see* Johnson, M. L.
- Cheney, S. and P. W. Cheney. 1967. Growth rate of nestling doves. **48**:14-16.
- Claar, J. J. *see* Klaver, R. W.
- Clanton, C. W. *see* Johnson, M. L.
- Clanton, C. W. and M. L. Johnson. 1954. White tailed jack rabbit in Washington. **35**:15.
- . 1954. Beechey's ground squirrel in Washington State. **35**:15.
- Clark, G. A., Jr. 1966. Pika killed by golden-mantled ground squirrel. **47**:18.
- Clark, J. P. and W. A. Wise. 1974. Analysis of Barn Owl pellets from Placer County, California. **55**:5-7.
- Clark, W. S. and C. M. Anderson. 1984. First specimen of the Broad-winged Hawk for Washington. **65**:93-94.
- Clay, J. O. 1946. Western Willet seen at Victoria, British Columbia. **27**:13.
- Climpson, J. T., J. G. Francik and R. K. Nolen. 1978. A Chestnut-sided Warbler in southeastern Washington. **59**:102.
- Cobb, J. N. 1927. Birds found in stomach of fish. **8**:18.
- Coggins, V. L. 1969. Lynx taken in northeastern Oregon. **50**:16.
- Colby, J. F. 1972. Egg-tooth Marbled Murrelet in Pierce County, Washington. **53**:49.
- Collins, J. A. *see* Henny, C. J.
- Conaway, C. H. *see* Wright, P. L.
- Congdon, R. T. 1925. Nesting of the Great Blue Heron in eastern Washington. **6**:25-27.
- Connelly, J. W., Jr. 1978. Trends in Blue-winged and

- Cinnamon Teal populations of eastern Washington. 59:2-6.
- Consiglieri, L. D. *see* DeGange, A. R.
- Cooper, A. L. *see* Laughlin, J. M.
- Cooper, J. M. 1983. Recent occurrences of the American Avocet in British Columbia. 64:47-48.
- Cooper, L. D. *see* deCalesta, D. S.
- Cornell, L. H. *see* Antonelis, G. A., Jr.
- Cornely, J. E. *see* Henny, C. J.
- . *see* Littlefield, C. D.
- Cornely, J. E., C. L. Foster, M. A. Stern and R. S. Johnstone. 1981. Additional record of Ring-necked Duck nesting at Malheur National Wildlife Refuge, Oregon. 62:55-56.
- Cornely, J. E., S. P. Thompson, E. L. McLaury and L. D. Napier. 1985. A summary of Trumpeter Swan production at Malheur National Wildlife Refuge, Oregon. 66:50-55.
- Couch, L. K. 1922. Automobiles and jack rabbits. 3(1): 4.
- . 1922. Feeding sea-gulls. 3(1):4.
- . 1922. Plague of orchard mice. 3(1):4.
- . 1922. Distribution of Douglas ground squirrels in Washington State. 3(3):18.
- . 1923. Grasshopper mice. 4(1):12.
- . 1923. Pocket gophers. 4(1):12-13.
- . 1923. Mountain beaver builds nest in center of city. 4(1):13.
- . 1923. Notes on American Black Tern. 4(1):13.
- . 1923. The English Sparrow. 4(1):13.
- . 1923. Some notes on feeding habits of Short-billed Gulls. 4(2):16.
- . 1923. Pygmy rabbit in eastern Washington. 4(2):16.
- . 1923. Hungarian Partridges and Pheasants in eastern Washington. 4(2):18.
- . 1924. Short-eared Owls and rodents. 5(1):12.
- . 1924. Food caches of the pocket gopher. 5(1): 12.
- . 1924. The relation of rodent control to game protection. 5(2):5-7.
- . 1924. Spring flight of migratory waterfowl along the lower Columbia River. 5(2):10-11.
- . 1925. A hasty bird census. 6:15.
- . 1925. Rodent damage to young forests. 6:39.
- . 1926. Nesting habits of Richardson pine squirrels. 7:12.
- . 1926. Color variations of the brown rat (*Rattus norvegicus*). 7:15.
- . 1926. List of small mammals from the lower Puget Sound region. 7:27-30.
- . 1926. Pacific raccoon on lower Puget Sound, Washington. 7:67.
- . 1927. A strange storing habit of *Microtus townsendii*. 8:15.
- . 1927. Southeastern Washington notes. 8:47.
- . 1928. Small mammals of the Yakima Valley, Washington. 9:9-14.
- . 1929. Spring food habits of Yakima Valley hawks. 10:10-11.
- . 1930. Notes on the pallid yellow-bellied marmot. 11(2):2-6.
- . 1930. An interesting flight. 11(2):18.
- . 1930. Breeding notes on Rocky Mountain snowshoe rabbit. 11:75.
- . 1930. Humpback whale killed in Puget Sound, Washington. 11:75.
- . 1932. River swimming coyotes. 13:24-25.
- . 1932. Breeding notes on a few Washington mammals. 13:25.
- . 1932. Late record of the yellow-bellied marmot. 13:25.
- . 1932. Porcupines in Franklin County, Washington. 13:55.
- . 1932. Treganza's Heron colony in Spokane County, Washington. 13:92-93.
- . 1932. Canada lynx in the Blue Mountains. 13: 95.
- . 1934. A second hoary bat record for western Washington. 15:26.
- . 1934. Freak rabbit with horny growths from Whidby Island, Washington. 15:54.
- . 1935. Chronological data on elk introduction into Oregon and Washington. 16:2-6.
- . 1935. Additional elk planting information. 16: 42.
- . 1970. A half century for the Pacific Northwest Bird and Mammal Society 1920-1969. 51:6-7.
- . *see* Gabrielson, I. N.
- Cowan, C. A. *see* Elliott, C. L.
- Cowan, I. McT. 1929. Note on yellow-bellied marmot. 10:64.
- . 1934. Two cases of pathologic skin growths in deer of the genus *Odocoileus*. 15:81-82.
- . 1937. Additional breeding colonies of the Herring Gull in British Columbia. 18:28.
- . 1940. Pentadactyl in a Spotted Sandpiper. 21:6.
- . 1940. Bird records from British Columbia. 21: 69-70.
- . 1942. Food habits of the Barn Owl in British Columbia. 23:48-53.
- . 1942. Notes on the winter occurrence of bats in British Columbia. 23:61.
- . 1943. Aspergillosis in a Thayer Gull. 24:29.
- . 1944. The House Finch (*Carpodacus mexicanus*) in Alberta. 25:45.
- . 1944. Further notes on the winter occurrence of bats in British Columbia. 25:45.
- . 1948. Waterfowl conditions on the Mackenzie Delta—1947. 29:21-26.
- . 1954. The distribution of the pikas (*Ochotona*) in British Columbia and Alberta. 35:19-24.
- . 1954. An indication of population mixing in Canada Geese. 35:45.

- Cowan, I. McT. and C. J. Guiguet. 1952. Three cetacean records from British Columbia. **33**:10-11.
- Cowan, I. McT. and J. Hatter. 1940. Two mammals new to the known fauna of British Columbia. **21**: 9.
- Cowan, I. McT. and P. W. Martin. 1954. A new northern record for Xanthus Murrelet, *Brachyrhamphus hypoleuca*. **35**:50.
- Craddock, D. R. 1969. Northern elephant seal sighted in Puget Sound, Washington. **50**:37.
- Craig, E. H. *see* Craig, T. H.
- Craig, T. H. *see* Powers, L. R.
- Craig, T. H., E. H. Craig and L. R. Powers. 1984. Recent changes in eagle and buteo abundance in southeastern Idaho. **65**:91-93.
- Craighead, F. L. *see* Ritchie, R. J.
- Crase, F. T. 1973. New size records for the western gray squirrel. **54**:20-21.
- Crawford, J. A. 1978. Factors affecting California Quail populations on the E. E. Wilson Wildlife Area, Oregon. **59**:7-13.
- . 1986. Annual variation in the hatching chronology of California Quail in the E. E. Wilson Wildlife Area, Oregon. **67**:87-89.
- . 1987. Incidence of leucism in Blue Grouse from Oregon. **68**:27-29.
- . *see* Blakely, K. L.
- Crawford, J. A. and D. K. Edwards. 1980. Winter grazing preferences of geese on a dredged-material island. **61**:106-108.
- Crawford, J. A. and R. S. Lutz. 1985. Sage Grouse population trends in Oregon, 1941-1983. **66**:69-74.
- Crawford, R. L. *see* Sutherland, J. B.
- Crenshaw, J. G. *see* Young, L. S.
- Crenshaw, L. L. *see* Young, L. S.
- Creso, Mrs. C. P. 1960. A sight record of the nesting of a Canada Jay. **41**:44-45.
- Crews, A. 1935. Report of the investigation of the dead deer at the Ruby State Game Reserve at Ruby, Washington. **16**:35-37.
- Cross, S. P. *see* Judd, S. R.
- . *see* Perkins, J. M.
- Cubbage, J. C. *see* Calambokidis, J. A.
- Cullen, L. *see* Vermeer, K.
- Culver, R. M. 1948. White-throated Sparrow in Kitsap County, Washington. **29**:49.
- Cumming, R. A. 1931. Some birds observed in the Queen Charlotte Islands, British Columbia. **12**: 15-17.
- . 1931. Redstarts and Nighthawks observed at Stewart, B.C. **12**:25.
- . 1932. Birds of the Vancouver district, British Columbia. **13**:2-15.
- . 1933. California Purple Finch and Nuttall's Poor-Will at Pavilion, B.C. **14**:78.
- . 1933. Descriptions of a proposed new race of Song Sparrow and of a Hermit Thrush. **14**:78-79.
- . 1935. Rock Ptarmigan at Vancouver, B.C. **16**: 39.
- . 1935. Harris's Sparrow and Magpie at Vancouver, B.C. **16**:40.
- Cummins, E. *see* McAllister, K. R.
- Curatolo, J. A. *see* Ritchie, R. J.
- Currier, E. S. 1926. Coast Wren-Tit! A nest I did not find. **7**:64.
- . 1936. Anthony's Green Heron near Portland, Oregon. **17**:53.
- Curtis, E. L. 1937. Comparative weights of live birds. **18**:29.
- . *see* Miller, R. C.

D

- Dahlheim, M. E. 1980. Killer whales observed bow-riding. **61**:78.
- . *see* Goebel, C. A.
- Dalke, P. D. *see* Steel, P. E.
- Dalquest, W. W. 1936. New range extensions for the silver-haired bat and the Pacific pallid bat. **17**:56.
- . 1939. Abnormal mammal skulls from Washington. **20**:19.
- . 1940. Bats in the San Juan Islands, Washington. **21**:4-5.
- . 1940. New meadow mouse from the San Juan Islands, Washington. **21**:7-8.
- . 1940. Sharp-tailed Grouse in Washington. **21**: 10.
- . 1942. A new pocket gopher from southeastern Washington. **23**:3-4.
- . 1943. Seasonal distribution of the hoary bat along the Pacific Coast. **24**:20-24.
- . *see* Hall, E. R.
- . *see* Scheffer, V. B.
- Dalquest, W. W. and R. L. Burgner. 1941. The shrew-mole of western Washington. **22**:12-14.
- Dalquest, W. W. and V. B. Scheffer. 1944. A new mole from Washington State. **25**:27-28.
- . 1945. The systematic status of the races of the mountain beaver (*Aplodontia rufa*) in Washington. **26**:34-37.
- Darcus, S. J. 1932. The present status of the Sage Thrasher in British Columbia. **13**:22.
- Dau, C. P. 1975. Occurrence and possible significance of an abnormal plumage in a Spectacled Eider. **56**(3):17.
- . 1987. Birds in nearshore waters of the Yukon-Kuskokwim Delta, Alaska. **68**:12-23.
- Davis, D. E. and G. Eddy. 1936. Some Washington bird notes. **17**:55-56.
- Davis, J. J. 1941. Notes on a captive mountain beaver. **22**:60-61.
- Davis, W. B. 1923. On the avifauna of Minidoka County and adjacent territory. **4**(1):3-4.
- . 1931. Western Pileated Woodpeckers on Bainbridge Island, Washington. **12**:23-24.

- . 1931. Black Swift notes. **12**:24.
- . 1933. Additional notes on Northwestern Coast Heron on Samish Island, Washington. **14**:42-43.
- . 1934. Notes on the Utah chipmunk. **15**:20-22.
- . 1934. Bird notes from Owyhee County, Idaho. **15**:69-72.
- . 1935. Mammals of the Ross Expedition (1824) in Idaho. **16**:7-10.
- . 1936. Young of the brush rabbit, *Sylvilagus bachmani*. **17**:36-40.
- . 1937. Some mammals from western Montana and eastern Idaho. **18**:22-27.
- . 1944. Geographic variation in brown lemmings (Genus *Lemmus*). **25**:19-25.
- Dawe, N. K. 1974. Golden-crowned Kinglet death on burdock. **55**:29.
- . 1976. A Gray-headed Junco in British Columbia. **57**:51.
- deCalesta, D. S., D. Zemlicka and L. D. Cooper. 1980. Supernumerary incisors in a black-tailed deer. **61**: 103-104.
- Decker, F. R. 1926. Notes on the Prairie Falcon in Benton County, Washington. **7**:37.
- . 1926. Notes from Kiona, Benton County, Washington. **7**:41.
- . 1927. Ash-throated Flycatcher (*Myiarchus cinerascens cinerascens*) taken near Kiona, Benton County, Washington. **8**:48.
- . see Bowles, J. H.
- Decker, F. R. and J. H. Bowles. 1923. Bird notes from Chelan County, Washington. **4**(3):16.
- . 1926. The status of the Ferruginous Rough-leg in the State of Washington. **7**:54.
- . 1931. Summer birds of the Blue Mountains, Washington. **12**:12-14.
- . 1932. Two new breeding records for the State of Washington. **13**:53.
- . 1933. The spring of 1933 in Benton County, Washington. **14**:43-44.
- DeGange, A. R. and L. D. Consiglieri. 1983. Red-legged Kittiwake robs Leach's Storm-Petrel. **64**:47.
- DeGange, A. R. and J. V. Rosapepe. 1984. A die-off of seabirds in the Bering Sea. **65**:15-19.
- Deibert, W. J. see Henny, C. J.
- DeLong, R. L. see Everitt, R. D.
- Demmer, J. L. see Powers, L. R.
- Denney, R. 1969. Sight record of Common Teal in Oregon. **50**:34.
- Denniston, G. C. 1973. Killer whale behavior with young. **54**:22.
- Denson, E. P., Jr. 1959. Shot Green-winged Teal carried off by gull. **40**:20.
- Denson, E. P., Jr. and W. W. Bentley. 1962. The migration and status of waterfowl at Humboldt Bay, California. **43**:19-28.
- Devito, K. see Vermeer, K.
- Dice, L. R. 1922. Notes on some birds of Missoula, Montana. **3**(2):17-19.
- . 1932. Mammals collected by F. M. Gaige in 1919 at Lake Cushman and vicinity, Olympic Peninsula, Washington. **13**:47-49.
- Dickerman, R. W. 1960. Dowitcher notes from San Juan Island. **41**:15.
- . 1960. Possible nesting interference of Tufted Puffins by Glaucous-winged Gulls. **41**:16.
- Dicks, F. 1932. A word on the bird life at Maplewood Springs. **13**:23.
- . 1934. Rock Wren recorded from western Washington. **15**:51.
- . 1934. Early arrival of some migratory birds at Puyallup, Washington. **15**:53.
- . 1935. Concerning the subspecific status of big brown bats in Washington. **16**:41-42.
- . 1936. Miscellaneous notes on the woodrat. **17**: 19.
- . 1936. Mortality in Violet-green Swallows, spring 1936. **17**:54-55.
- . 1938. Activities of Steller's Jays in a filbert orchard. **19**:17.
- . 1938. Occurrence of porcupines in western Washington. **19**:19.
- Dillman, B. V. and R. J. Barnett. 1984. Skull size in beavers from California to Alaska. **65**:78-79.
- Divoky, G. J. see Byrd, G. V.
- Dobler, F. C. and T. W. Sauve. 1982. Ancient Murrelet on the Columbia River near Wenatchee, Washington. **63**:71-72.
- Dobyns, H. W. 1928. Do Burrowing Owls and coyotes live in the same burrow? **9**:45-46.
- Doerksen, G. P. 1969. An analysis of Barn Owl pellets from Pitt Meadows, British Columbia. **50**:4-8.
- Doramus, J. C. see Powers, L. R.
- Doremus, J. H. see Marks, J. S.
- Dorsey, G. L. see Wilson-Jacobs, R.
- Drent, R. H. see Summers, K. R.
- Duebbert, H. F. see Marshall, D. B.
- Dumas, P. C. see Lyman, S. H.
- Dumont, P. G. 1961. Black Swifts sighted in Oregon. **42**:9.
- Durrant, S. D. see Hall, E. R.
- Dziedzic, E. S. see Rieck, C. A.

E

- Earp, D. D. 1950. Barred color pattern in a juvenal Western Crow. **31**:11.
- Ebel, G. R. A. 1973. Band-tailed Pigeon in the northern interior of British Columbia. **54**:36-37.
- Eddy, G. 1946. Arctic Tern on Puget Sound, Washington. **27**:53.
- . 1951. Further notes on the Green Heron advance in Washington State. **32**:12.
- . 1953. Winter records of Band-tailed Pigeons (*Columba f. fasciata*). **34**:30-31.
- . 1956. Western Willet (*Catoptrophorus semipalmatus inornatus* (Brewster)) at Seattle. **37**:25.

- . 1956. American Black Tern (*Chlidonias niger surinamensis* (Gmelin)) on Puget Sound. **37**:37.
- . 1975. Downy Woodpecker learns to exploit a new food source. **56**(3):20.
- . 1982. Glaucous-winged Gulls nesting on buildings in Seattle, Washington. **63**:27-29.
- . *see* Alcorn, G. D.
- . *see* Bennett, H. S.
- . *see* Davis, D. E.
- Eddy, Mr. and Mrs. G. 1948. Turkey Vulture concentration. **29**:11.
- Eddy, Mrs. G. *see* Eddy, Mr. and Mrs. G.
- Edens, R. H. and T. J. Eley, Jr. 1970. Long incubation period in a Killdeer. **51**:12-13.
- Edson, J. M. 1920. Bonita camp, Slate Creek. **1**(2):6-7.
- . 1921. Notes from Bellingham, Washington. **2**(2):4.
- . 1922. Notes from Whatcom County, Washington. **3**(1):6-7.
- . 1922. A case of mixed eggs. **3**(2):7.
- . 1923. Notes on birds of the Bellingham Bay region, Washington. **4**(1):8-9.
- . 1924. Winter colony of White-crested Cormorants at Bellingham Bay, Washington. **5**(3):6-7.
- . 1926. Ten days among east-side birds and mammals. **7**:3-7.
- . 1926. A nesting colony of the Northwest Coast Heron. **7**:13-14.
- . 1926. Slate-colored Sparrow on record. **7**:40.
- . 1926. Some performances of the Spotted Sandpiper. **7**:40.
- . 1926. Wrens victims of gadfly. **7**:40.
- . 1926. The Mountain Bluebird recorded. **7**:41.
- . 1926. Ground nesting of the Northwest Crow. **7**:41.
- . 1926. Alaska Yellow-rumped Warbler. **7**:41.
- . 1926. Not a Western Tree Sparrow. **7**:43.
- . 1928. Strange happening to a grebe. **9**:48.
- . 1928. Recession in weight of fledgling swallows. **9**:65-66.
- . 1928. Parasitic bird enemies. **9**:68.
- . 1928. "Hissing" of the chickadee. **9**:70.
- . 1929. Afield and afloat with Dawson (Part I). **10**:1-7.
- . 1929. Afield and afloat with Dawson (Part II). **10**:27-33.
- . 1929. The Catbird at Bellingham. **10**:63.
- . 1929. Range of the Glaucous-winged Gull. **10**:64.
- . 1930. Some additional records from western Washington. **11**(1):20-21.
- . 1930. Wild animal population of the Mount Baker National Forest, Washington. **11**(2):14-15.
- . 1930. The weasel not always wicked. **11**(2):16-17.
- . 1931. Vaux Swift nesting in a chimney. **12**:25.
- . 1931. Again the big-game of the Mount Baker district, Washington. **12**:50-53.
- . 1931. An unusual nesting of the Western Flycatcher. **12**:80-81.
- . 1932. A family of Long-eared Owls. **13**:23-24.
- . 1932. A hardy hummingbird. **13**:24.
- . 1932. A reconnaissance of the sage country, eastern Washington. **13**:41-46.
- . 1932. Hibernation of the Northwest jumping mouse. **13**:55-56.
- . 1933. A visitation of weasels. **14**:76-77.
- . 1933. Some corrections and additions. **14**:80.
- . 1934. "Thunder-pumping" of the Bittern. **15**:80.
- . 1934. Yellow-bellied marmot at Bellingham, Washington. **15**:81.
- . 1935. Some records supplementary to the distributional check-list of the birds of the State of Washington. **16**:11-14.
- . 1935. A Mockingbird problem. **16**:17-18.
- . 1935. Orange-crowned Warbler, Sanderling, and European Widgeon at Bellingham Bay, Washington. **16**:40.
- . 1935. Late migration of Black Brant and cormorants. **16**:40-41.
- . 1935. Again the Catbird in Whatcom County, Washington. **16**:70.
- . 1936. Muscular power of a squirrel. **17**:18-19.
- . 1937. Virginia Rail in winter. **18**:28.
- . 1937. Blue-winged Teal at Bellingham Bay, Washington. **18**:30.
- . 1939. Shrew mole at Baker Lake. **20**:10.
- . 1939. Development of young Tree Swallows. **20**:11-13.
- . 1939. Bird notes from northwestern Washington. **20**:22.
- . 1942. A study of the Violet-green Swallow. **23**:5-10.
- . 1942. Spotted Sandpiper males do incubate. **23**:16.
- . 1945. Wilson Snipe in winter. **26**:10.
- Edwards, D. K. *see* Crawford, J. A.
- Edwards, R. Y. 1955. The habitat preferences of the boreal *Phenacomys*. **36**:35-38.
- . 1956. On the abundance of large predators in British Columbia. **37**:28-30.
- . 1956. Band-tailed Pigeons and television aerials. **37**:36-37.
- . 1957. Dammed waters in a moose range. **38**:1-3.
- . 1960. Cottontail rabbit damage to young Douglas fir. **41**:25.
- . *see* Miller, R. G.
- Edwards, R. Y. and D. E. Green. 1959. The measurement of tracks to census grizzly bears. **40**:14-16.
- Edwards, R. Y. and D. Stirling. 1961. Range expansion

- of the House Finch into British Columbia. 42:38-42.
- Eells, M. M. 1980. Predation on a nesting Common Flicker by a Common Raven. 61:36-37.
- Ehinger, C. E. 1925. A Winter Wren's lodging house. 6:37-39.
- Einarsen, A. S. 1922. Alaska notes. 3(3):4.
- _____. 1925. Breeding sites in out-of-the-way places in western Washington. 6:15-16.
- _____. 1925. Gulls from an economic standpoint. 6:16.
- _____. 1926. Bird notes from Snohomish County, Wash. 7:16.
- _____. 1926. Status of Mallard in Snohomish County, Washington. 7:68.
- _____. 1927. An albino Brewer's Blackbird in Island County, Washington. 8:16.
- _____. 1927. New nesting site for Green-winged Teal. 8:18.
- _____. 1941. Contributions to the management of California Valley Quail. 22:8-11.
- _____. 1941. The effect upon the Black Tern of a change in its habitat. 22:19.
- _____. 1941. The effects of storm upon shore birds. 22:36.
- _____. 1941. Ring-necked Pheasants can swim. 22:39.
- _____. 1945. Some factors affecting Ring-necked Pheasant population density (Part I). 26:2-9.
- _____. 1945. Some factors affecting Ring-necked Pheasant population density (Part II). 26:39-44.
- _____. 1946. The importance of weather data in wildlife management. 27:28-33.
- _____. 1955. Observations on quail behavior. 36:18-21.
- _____. 1955. Food crises and the interrelationship of waterfowl. 36:39-40.
- Eley, C. L. *see* Eley, T. J., Jr.
- Eley, T. J., Jr. 1974. A sight record for Leach's Petrel north of the Aleutian Islands, Alaska. 55:44-45.
- _____. 1978. A possible case of adoption in the Pacific walrus. 59:77-78.
- _____. *see* Edens, R. H.
- _____. *see* Yocom, C. F.
- Eley, T. J., Jr. and C. L. Eley. 1972. Use of Crater Lake by waterfowl. 53:27.
- Elliott, C. L. 1978. Badger chases band of bighorn sheep. 59:106-107.
- _____. 1980. Organ weights of Columbian ground squirrels in the Idaho Primitive Area. 61:101-102.
- _____. 1983. The influence of soil moisture on burrow placement by Columbian ground squirrels in central Idaho. 64:62-63.
- _____. *see* MacDonald, S. O.
- Elliott, C. L. and C. A. Cowan. 1983. The food habits of an American Kestrel (*Falco sparverius*) in interior Alaska. 64:63-64.
- Ellis, J. V., Jr. 1923. Some Yakima County, Washington notes. 4(2):17-18.
- _____. 1925. Birds feeding one another and winter observations. 6:6-7.
- _____. 1926. Observations at Yakima, Washington. 7:38.
- _____. 1927. Some Yakima, Washington, winter notes. 8:17.
- _____. 1929. Notes on feeding habits of certain birds at Yakima, Washington. 10:19.
- Eltzroth, M. S. *see* Blus, L. J.
- Eltzroth, M. S. and R. L. Jarvis. 1976. Sight record of a Blue Grosbeak in Oregon. 57:44-46.
- English, S. *see* Werschkul, D.
- English, W. W. *see* Browning, M. R.
- Erickson, A. W. *see* Knight, R. L.
- Erickson, D. B. 1978. Robin feeding upon snake. 59:26.
- Erskine, A. J. 1960. Three sight records of unusual birds in the Vancouver, B.C., area. 41:9.
- _____. 1964. Bird migration during April in southern British Columbia. 45:14-22.
- _____. *see* Buckner, C. H.
- Evenden, F. G., Jr. 1943. Beal Petrel found in Portland. 24:28.
- _____. 1943. Black Brant, Cinnamon Teal, and Yellow-headed Blackbird in the Willamette Valley, Oregon. 24:28.
- _____. 1944. Albino Barn Swallow. 25:12.
- _____. 1946. Nesting of the Marsh Hawk at Mountain Home, southern Idaho. 27:52.
- _____. 1949. Nesting of the Barn Swallow in western Oregon. 30:17-18.
- _____. 1949. Nesting of the Long-billed Marsh Wren in western Oregon. 30:58.
- _____. 1950. Unusual singing perches of the Winter Wren. 31:32-33.
- Evenden, F. G., Jr. and R. M. Storm. 1950. Albinistic Barn Swallow in Benton County, Oregon. 31:11.
- Everitt, R. D. *see* Calambokidis, J. A.
- Everitt, R. D., P. J. Gearin, J. S. Skidmore and R. L. DeLong. 1981. Prey items of harbor seals and California sea lions in Puget Sound, Washington. 62:83-86.
- Every, A. D. *see* Knight, R. L.
- Eyerdam, W. J. 1936. Notes on birds collected or observed during the summer of 1932 in the eastern Aleutian Islands, Alaska. 17:48-52.

F

- Farner, D. S., J. R. King and G. E. Hudson. 1956. A record of the Yukon Fox Sparrow from Whitman County, Washington. 37:11.
- Fast, S. E. *see* Allen, G. T.
- Faust, N. H. *see* Bailey, E. P.

- Fay, F. H. *see* Pitcher, K. W.
- Feldhamer, G. A. 1977. A new type of heat shield for use with live-traps. **58**:82-83.
- . 1979. Home range relationships of three rodent species in southeast Oregon. **60**:50-57.
- Fender, K. M. 1951. Notes on the Western Mockingbird. **32**:29.
- Feuer, R. C. 1958. Mammals collected in the Karluk Lake region, Kodiak Island, Alaska. **39**:37-39.
- Fielder, P. C. 1982. Barn Owl food habits along the mid-Columbia River, Washington. **63**:29-30.
- . 1982. Food habits of Bald Eagles along the mid-Columbia River, Washington. **63**:46-50.
- Fielder, P. C. and R. C. Friesz. 1982. White-winged Scoters in eastern Washington. **63**:69-70.
- Fielder, P. C. and R. L. Perleberg. 1983. Burrow nesting by a Canada Goose. **64**:27.
- Findholt, S. L. and C. H. Trost. 1981. White Pelicans nesting in Idaho. **62**:19-20.
- . 1982. First nesting records of the Cattle Egret in Idaho. **63**:88-89.
- . 1983. Eggshell quality of Black-billed Magpies nesting in Idaho. **64**:91-93.
- Finley, R. B., Jr. 1941. Geographic variation in the rodent *Aplodontia rufa*. **22**:45-49.
- Finley, W. L. 1933. Mammals on the mountain tops. **14**:9-12.
- Fiscus, C. H. *see* Hills, S.
- Fitzner, J. N. *see* Fitzner, R. E.
- Fitzner, R. E. 1975. Color-marked Swainson's Hawks (announcement). **56**(2):12.
- . 1977. A winter record of the White-fronted Goose in eastern Washington. **58**:89.
- Fitzner, R. E. and J. N. Fitzner. 1973. The Hooded Merganser in southeastern Washington. **54**:10-11.
- . 1975. Winter food habits of Short-eared Owls in the Palouse prairie. **56**(2):2-4.
- Fitzner, R. E., D. F. Martin and R. E. Frieze. 1979. First breeding record for the Great Egret (*Casmerodus albus*) in Washington. **60**:33-34.
- Fitzner, R. E. and R. E. Woodley. 1976. Blue Jays wintering in the Columbia Basin of southeastern Washington. **57**:64-66.
- Flahaut, M. R. 1930. Barn Swallow heavily parasitized. **11**:74.
- . 1931. Second locality record of big brown bat in western Washington. **12**:56.
- . 1933. Hoary bat taken in Seattle, Wash. **14**:77.
- . 1939. Unusual location of hibernating jumping mice. **20**:17-18.
- . 1941. Notes on food of Flicker. **22**:19.
- . 1941. Exotic squirrels in the Seattle area. **22**:63-64.
- . 1947. Red-billed Tropic-Bird taken at Westport, Washington. **28**:6.
- . 1947. Identification of Red-billed Tropic-Bird taken in Washington State. **28**:22.
- . 1948. Barn Owls on San Juan Island, Washington. **29**:11.
- . *see* Slipp, J. W.
- Fleming, T. L. and S. M. Speich. 1988. Ravens in southwestern Washington coniferous forests. **69**:69-72.
- Flett, J. B. 1926. Three little known characteristics of the mountain goat. **7**:32-35.
- . 1927. Some reasons for decrease in mountain goats. **8**:70-71.
- Flinders, J. T. *see* Green, J. S.
- Flock, C. 1932. Note on the Arctic Tern in Bristol Bay region, Alaska. **13**:26.
- Foottit, R. G., R. Butler and W. J. Merilees. 1973. Additional nesting sites of sea birds in northern Georgia Strait, British Columbia. **54**:39-40.
- Forbes, L. S. 1982. Prey manipulation in the Great Blue Heron. **63**:89-91.
- . 1985. Nesting of Eared Grebes at Duck Lake, near Creston, British Columbia. **66**:20-21.
- . 1988. Western Grebe nesting in British Columbia. **69**:28-33.
- . *see* Webb, R. S.
- Forbes, L. S. and G. W. Kaiser. 1984. Observations of breeding Bald Eagles in southeastern British Columbia. **65**:22-25.
- Forbes, R. B. *see* Barss, J. M.
- . *see* Benedict, E. M.
- . *see* Hopkins, D. D.
- Foresman, K. R. 1986. *Sorex hoyi* in Idaho: a new State record. **67**:81-82.
- Forsman, E. *see* Reynolds, R. T.
- Forsman, E. and C. Maser. 1970. Saw-whet Owl preys on red tree mice. **51**:10.
- Forsman, E. D. 1988. A survey of Spotted Owls in young forests in the northern Coast Range of Oregon. **69**:65-68.
- . *see* Anthony, R. G.
- . *see* Bryan, T.
- Forsman, E. D., C. R. Bruce, M. A. Walter and E. C. Meslow. 1987. A current assessment of the Spotted Owl population in Oregon. **68**:51-54.
- Foss, E. 1980. A black bear in a Great Blue Heron colony. **61**:113.
- Foster, C. L. *see* Cornely, J. E.
- Fowle, K. E. 1969. A record of multiple ovulation in mule deer. **50**:12.
- Fox, J. L. and J. E. Hall. 1982. A Kittlitz's Murrelet nest in southeast Alaska. **63**:27.
- Francik, J. G. *see* Climpson, J. T.
- Friesz, R. C. *see* Fielder, P. C.
- Frieze, R. E. *see* Fitzner, R. E.
- Fry, K. *see* Kaiser, G. W.
- Fugate, R. 1939. Swift fox den found. **20**:44.
- . 1940. Beavers born in captivity. **21**:11.

- Fulcher, K. R. *see* Powers, L. R.
- Furrer, R. K. 1972. A late spring sight record of a Ross' Goose in east-central Washington. 52:49-50.
- _____. 1974. First spring sight record of the Yellow Rail for the Pacific Northwest. 55:25-26.
- Fussner, B. 1941. Strange behavior of an eastern gray squirrel. 22:63.
- G**
- Gabrielson, I. N. 1923. Notes from Portland, Oregon. 4(1):11.
- _____. 1925. A new bird record for the State of Washington. 6:61.
- _____. 1925. Bird notes from Oregon. 6:61.
- _____. 1926. Note on certain birds feeding on wild cherry. 7:63.
- _____. 1933. The Harris Sparrow at Hillsboro, Oregon. 14:16.
- _____. 1933. Recent observations on the Oregon Coast. 14:16-17.
- _____. 1934. Some Oregon specimens worthy of record. 15:25.
- _____. 1934. The Herring Gull on the Columbia River. 15:25.
- _____. 1934. A Slate-colored Junco record for California. 15:26.
- _____. 1934. A migration note. 15:51.
- _____. 1934. Monterey Hermit Thrush (*Hylocichla guttata slevini*) from northern California. 15:53.
- _____. 1935. Destruction of Red Phalaropes. 16:26-28.
- _____. 1935. Black Pigeon Hawk in eastern Oregon. 16:39-40.
- _____. 1935. A Nevada record of the Harris's Sparrow. 16:41.
- _____. *see* Jewett, S. G.
- Gabrielson, I. N. and S. G. Jewett. 1930. White-throated Swift in Oregon. 11:74.
- _____. 1933. First record of Pomarine Jaeger for Oregon. 14:15.
- _____. 1934. American Egret in Portland, Oregon. 15:25.
- Gabrielson, I. N., S. G. Jewett and J. C. Braly. 1930. Some notes from the Oregon Coast. 11(1):10-12.
- Gabrielson, I. N., S. Warburton, Jr. and L. K. Couch. 1933. New Zealand Shearwater taken in Washington. 14:15.
- Galen, C. and C. Bohn. 1979. Gopher snake preys on western big-eared bat. 60:27-28.
- Galusha, J. G. *see* Thoresen, A. C.
- Galusha, J. G., B. Vorwick, M. R. Opp and P. T. Vorwick. 1987. Nesting season censuses of seabirds on Protection Island, Washington. 68:103-107.
- Garcelon, D. K. 1981. Mortality of Great Horned Owls associated with skunks. 62:26.
- Gashwiler, J. S. 1960. Hunting behavior of a Pygmy Owl. 41:12-13.
- _____. 1960. Longevity of a wild deer mouse. 41:27.
- _____. 1961. Notes on the Harlequin Duck. 42:4-5.
- _____. 1963. Pouch capacity of Cooper's chipmunks. 44:7-8.
- _____. 1976. A new distribution record of Merriam's shrew in Oregon. 57:13-14.
- _____. 1976. Biology of Townsend's chipmunks in western Oregon. 57:26-31.
- _____. 1976. Notes on the reproduction of Trowbridge shrews in western Oregon. 57:58-62.
- Gashwiler, J. S. and A. L. Ward. 1966. Western red-cedar seed, a food of Pine Siskins. 47:73-75.
- _____. 1968. Oregon Junco foods in coniferous forests. 49:29-36.
- Gashwiler, J. H. and R. F. Gashwiler. 1974. A Blue Jay record for Oregon. 55:45.
- Gashwiler, R. F. *see* Gashwiler, J. H.
- Gearin, P. J. *see* Everitt, R. D.
- Geist, V. 1960. Feral goats in British Columbia. 41:34-40.
- Gerow, J. 1939. California Gulls banded. 20:43.
- _____. 1939. Bald Eagle kills Black Brant. 20:44.
- _____. 1943. Hawk takes Horned Lark in beam of auto headlights. 24:11.
- Gerstenberg, R. H. and S. W. Harris. 1971. Elegant Terns in Humboldt Bay, California. 52:14.
- Gertson, D. *see* Powers, L. R.
- Gessler, N. *see* Sealy, S. G.
- Gibson, D. D. 1972. Sight records of two birds new to interior Alaska. 53:31-32.
- Giger, R. D. 1965. Surface activity of moles as indicated by remains in Barn Owl pellets. 46:32-36.
- Gillett, W. H. *see* Hayward, J. L., Jr.
- Girard, J. *see* Johnson, M. L.
- Gissing, A. 1959. Black-billed Cuckoo observed in British Columbia. 40:12.
- Goebel, C. A. and M. E. Dahlheim. 1979. A white California gray whale in the Bering Sea. 60:107.
- Goodge, W. 1949. Glaucous-winged Gull nesting at Seattle, Washington. 30:58.
- _____. 1950. Some notes on the birds of the San Juan Islands. 31:27-28.
- Goossen, J. P. 1986. Apparent dichromatism in juvenile Common Nighthawks (*Chordeiles minor*). 67:62-63.
- Gordon, K. 1940. Night movies of wild animals. 21:62-64.
- _____. *see* Maser, C.
- Gorton, R. E., Jr. 1976. Territorial responses of the Black-capped Chickadee to recorded song. 57:47-48.
- _____. 1980. Morphology and song as releasers of agonism in the Song Sparrow. 61:72-77.
- Gove, J. G. and Mrs. J. G. Gove. 1946. Birds seen and heard on Lopez Island, Washington. 27:33-34.
- Gove, Mrs. J. G. *see* Gove, J. G.
- Graf, W. 1946. Notes on the distribution and habits of Anthony Green Heron. 27:50-51.

- . 1947. Mouse populations in relation to predation by foxes and hawks. *28*:18-21.
- . *see* Verts, B. J.
- Graff, A. 1934. Diurnal feeding activity of California field mouse (*Microtus* sp.). *15*:82.
- Grant, J. 1966. The Barred Owl in British Columbia. *47*:39-45.
- . 1966. The Red-headed Woodpecker near Vernon, British Columbia. *47*:45.
- Grass, A. 1968. A Stilt Sandpiper sight record for B.C. *49*:28.
- . 1969. Rusty Blackbird at Pitt Meadows, B.C. *50*:23.
- . 1970. Notes on a pair of Mountain Bluebirds feeding young. *51*:13.
- . 1971. A Barred Owl record for Manning Park, B.C. *52*:26.
- . 1973. Sparrow Hawks feeding on tiger beetles. *54*:38.
- . 1973. Mew Gulls and Black Turnstones feeding on herring eggs. *54*:38-39.
- . *see* King, D. G.
- Gray, G. *see* Blackburn, D.
- Grayson, D. K. and C. Maser. 1978. First Record for the Long-tailed Jaeger in eastern Oregon. *59*:75-77.
- Green, C. de B. 1920. Extract from a letter from Penticton, B.C. *1*(1):7.
- . 1920. Northwest Fish Crow. *1*(2):10.
- . 1920. An off day on Graham Island. *1*(2):10-11.
- . 1921. "What's in a name?". *2*(2):12-13.
- . 1923. Some nesting notes on the border line between the Sonoran and Transition Zones. *4*(2):5-6.
- . 1924. Male birds feeding females. *5*(3):9-10.
- . 1926. Destruction of young lambs by crows. *7*:61-62.
- . 1928. Vermin. *9*:15-16.
- . 1928. The fluttering habit of the Richardson's Grouse (*Dendragapus obscurus richardsoni*). *9*:67.
- . 1928. Well-used breeding sites. *9*:69.
- Green, C. de B. and J. H. Bowles. 1922. A few suggestions on bird notes and their songs. *3*(3):12.
- Green, D. E. *see* Edwards, R. Y.
- Green, G. A. 1978. Summer birds of the Alvord Basin, Oregon. *59*:59-69.
- . *see* Anthony, R. G.
- Green, G. A. and M. L. Morrison. 1983. Nest-site characteristics of sympatric Ferruginous and Swainson's hawks. *64*:20-22.
- Green, J. S. and J. T. Flinders. 1979. Techniques for capturing pygmy rabbits. *60*:112-113.
- Gresbrink, R. *see* Hopkins, D. D.
- Griepentrog, E. L. 1929. Nesting of *Accipiter velox* in the Willamette Valley, Oregon. *10*:40-41.
- Griffey, W. E. 1936. Nesting of the Hooded Merganser at Portland, Oregon. *17*:53-54.
- . 1940. Concentration of Western Robins. *21*:9.
- . 1941. Common House Finch nesting at Portland. *22*:36.
- . 1941. Large sets of Golden Eagle eggs. *22*:40-41.
- . 1944. Osprey eggs taken in Oregon. *25*:9.
- . 1944. Unusual nesting site for Shufeldt Junco. *25*:12.
- . 1944. First Oregon nest of Yellow Rail (*Coturnicops noveboracensis*). *25*:29.
- . 1947. A high Junco nest. *28*:22.
- . 1954. Some Oregon nesting records. *35*:48-49.
- . 1958. More mice—more owl eggs. *39*:18.
- . 1958. Notes on Oregon nesting of American Merganser and Barrow's Golden-eye. *39*:26.
- . 1959. An Oregon nest of the Great Gray Owl. *40*:35.
- . 1960. Bohemian Waxwing nesting in Oregon. *41*:44.
- . 1961. Bufflehead nesting records for Oregon. *42*:5.
- . 1961. Mountain Chickadee nesting in a dirt bank. *42*:9.
- . 1961. Nesting of the Northern Vaux Swift in the Willamette Valley. *42*:25-26.
- Griffey, W. E. and E. F. Rapraeger. 1937. Nesting dates for birds breeding in the vicinity of Portland, Oregon. *18*:14-18.
- Grimm, R. J. 1966. Death of a Crossbill. *47*:75.
- Grove, R. A. 1985. Northern Saw-whet Owl winter food and roosting habits in north-central Washington. *66*:21-24.
- Groves, C., E. Yensen and E. B. Hart. 1988. First specimen records of the rock squirrel (*Spermophilus variegatus*) in Idaho. *69*:50-53.
- Grubb, T. G. and R. J. Hensel. 1978. Food habits of nesting Bald Eagles on Kodiak Island, Alaska. *59*:70-72.
- Grubb, T. G., D. A. Manuwal and C. M. Anderson. 1975. Nest distribution and productivity of Bald Eagles in western Washington. *56*(3):2-6.
- Guberlet, J. E. 1927. Some relationships of the parasitic flatworms of the birds of the Northwest. *8*:1-3.
- . 1930. Notes on relationships of parasitic flatworms to birds and mammals. *11*(1):15-17.
- . 1936. Note on embryo porpoise. *17*:56.
- . 1939. When does the Robin begin to sing in the spring? *20*:18.
- Guberlet, J. E. and H. H. Hotson. 1940. A fly maggot attacking young birds, with observations of its life history. *21*:65-68.
- Guberlet, J. E. and R. C. Miller. 1933. Notes on birds observed at sea off the North Pacific Coast. *14*:7-8.
- Guenther, K. 1965. Ancient Murrelet near Spokane, Washington. *46*:11.

- Guenther, S. E. 1952. A wolf record for Washington State. **33**:14.
- Guiguet, C. J. 1950. Notes on Common Murres nesting in British Columbia. **31**:12-13.
- _____. 1952. An unusual occurrence of Turkey Vultures on Vancouver Island. **33**:11.
- _____. 1959. Anna's Hummingbird (*Calypte anna*) at Victoria, British Columbia. **40**:13.
- _____. 1968. First specimen record of Anna's Hummingbird for Canada. **49**:9.
- _____. see Cowan, I. McT.
- Guiguet, C. J. and G. C. Pike. 1965. First specimen record of the gray grampus or Risso dolphin, *Grampus griseus* (Cuvier) from British Columbia. **46**:16.
- Hall, E. R. and S. D. Durrant. 1941. Two new kangaroo-mice from Utah. **22**:5-7.
- Hall, F. S. 1923. Hawk Owl in western Washington. **4**(1):9.
- _____. 1925. Killing of a boy by mountain lion (*Felis oregonensis oregonensis*). **6**:33-37.
- _____. 1930. The story of "Skeezix" an albino coyote. **11**(2):16.
- _____. 1930. Great Gray Owl taken in Oregon. **11**:74.
- _____. 1932. A historical resume of exploration and survey—mammal types and their collectors in the State of Washington. **13**:62-91.
- _____. 1933. Studies in the history of ornithology in the State of Washington (1792-1932) with special reference to the discovery of new species, Part I. **14**:26-36.
- _____. 1933. Studies in the history of ornithology in the State of Washington (1792-1932) with special reference to the discovery of new species, Part II. **14**:55-75.
- _____. 1934. Studies in the history of ornithology in the State of Washington (1792-1932) with special reference to the discovery of new species, Part III. **15**:2-19.
- _____. 1936. The Biological Survey waterfowl inventory. **17**:20-21.
- _____. 1937. Studies in the history of ornithology in the State of Washington (1792-1932) with special reference to the discovery of new species, Part IV (Part I). **18**:2-13.
- _____. 1938. Studies in the history of ornithology in the State of Washington (1792-1932) with special reference to the discovery of new species, Part IV (Part II). **19**:2-7.
- _____. 1939. Migration of Canada Geese in eastern Washington. **20**:5.
- _____. see Miller, R. C.
- Hall, J. E. see Fox, J. L.
- Hall, W. A. 1948. Sight record of Grinnell's Water Thrush at Spokane, Washington. **29**:50.
- _____. 1951. An Oven-Bird specimen from Moscow, Idaho. **32**:29.
- _____. 1967. A Band-tailed Pigeon at Spokane, Washington. **48**:57.
- _____. see LaFave, L. D.
- Hall, W. A. and L. D. LaFave. 1958. Records of the White-winged Crossbill (*Loxia leucoptera*) in northeastern Washington. **39**:20.
- _____. 1958. Recent migration and collection records of shore birds in eastern Washington. **39**:21-22.
- Hammer, E. W. 1966. Opossum range extended south into Lane County, Oregon. **47**:8.
- _____. 1971. A southwestern range extension of the sagebrush vole in Oregon. **52**:26.
- _____. 1972. A Mountain Chickadee gathers rodent hair from bobcat scat. **53**:13.
- _____. see Maser, C.

H

Hafer, H. A. see Van Daele, L. J.

- Hagenstein, W. M. 1928. Miscellaneous observations from Washington and British Columbia. **9**:69.
- _____. 1936. Late nesting of the Band-tailed Pigeon. **17**:21-22.
- _____. 1936. Pacific Loon in breeding plumage taken on Puget Sound, Wash. **17**:56.
- _____. 1947. Albinistic Fox Sparrow. **28**:41.
- _____. 1948. Pine Grosbeaks at sea level. **29**:27.
- _____. 1950. European Starling (*Sturnus vulgaris*) at Medina, King County, Washington. **31**:11.
- _____. 1953. Sight record of the Tree Sparrow at Seattle. **34**:9.
- _____. 1954. Sight record of the Redstart in eastern Washington. **35**:13.
- _____. 1954. Sight record of the Harris Sparrow at Fall City, Washington. **35**:50.

Haislip, T. W., Jr. see Scott, J. M.

Hale, B. S. see Mannan, R. W.

- Hall, E. R. 1931. On the occurrence of certain mammals in extreme southwestern Washington. **12**:22.
- _____. 1931. Tree-climbing *Callospermophilus*. **12**:54-55.
- _____. 1936. A new meadow mouse from Bowen Island, British Columbia. **17**:15-16.
- _____. 1936. Identity of the Bowron Lake moose of British Columbia. **17**:17.
- _____. 1939. Utah jumping mouse recorded from Idaho. **20**:71.
- _____. 1940. A new race of Belding ground squirrel from Nevada. **21**:59-61.
- _____. 1941. The type specimen of *Aplodontia rufa californica* (Peters). **22**:50-51.
- Hall, E. R. and W. W. Dalquest. 1939. Three new pocket gophers (mammalian genus *Thomomys*) from Washington. **20**:3-5.
- _____. 1939. On the characters of the pocket gopher *Thomomys talpoides couchi* Goldman. **20**:38-39.

- Hammer E. W. and C. Maser. 1969. The use of cow chips by the sagebrush vole (*Lagurus curtatus*). **50**: 35-36.
- Hand, R. L. 1936. Comparative abundance of water-fowl at St. Maries, Idaho. **17**:53.
- . 1952. Unusual behavior of muskrats and wild ducks. **33**:14.
- . 1952. Sight record of the White-throated Sparrow (*Zonotrichia albicollis*) at Spokane, Washington. **33**:14.
- . 1952. A sight record of the Brown Towhee in northwestern Oregon. **41**:40.
- . *see* Hoffmann, R. S.
- Hansen, E. L. and B. E. Carter. 1963. A nesting study of Brewer's Blackbirds in Klamath County, Oregon. **44**:18-21.
- Hansen, H. A. *see* Yocom, C. F.
- Hansen, H. A. and W. H. Oliver. 1951. The status of resident Canada Geese in south-central Washington, spring, 1950. **32**:2-7.
- Hanson, W. C. 1958. Arctic Tern and Black Brant in eastern Washington. **39**:12.
- . 1968. Recent history of Double-crested Cormorant colonies in southeastern Washington. **49**: 25-26.
- . 1969. First sight records of Blue Geese in Washington. **50**:24.
- . 1970. Recent sight records of jaegers in southeastern Washington. **51**:17.
- Hardy, G. A. 1947. Bird notes from Saanich, southern Vancouver Island, B.C. **28**:37-38.
- . 1954. Nesting of the Mourning Dove on Vancouver Island. **35**:13.
- Hardy, J. W. *see* Morrison, M. L.
- Harestad, A. S. 1986. Food habits of Columbian ground squirrels: a comparison of stomach and fecal samples. **67**:75-78.
- Harrington-Tweit, B. 1979. First records of the Chestnut-collared Longspur in Washington. **60**:107-108.
- Harris, S. W. 1950. Nesting of Wilson's Snipe in eastern Washington. **31**:46.
- . 1951. Strange behavior of three Mallards. **32**:14.
- . 1951. Four unusual bird records for eastern Washington. **32**:43.
- . 1963. Hudsonian Godwit in the Yukon-Kuskokwim Delta of Alaska. **44**:8.
- . 1966. Summer birds of the lower Kashunuk River, Yukon-Kuskokwim Delta, Alaska. **47**:57-65.
- . *see* Gerstenberg, R. H.
- . *see* Jarvis, R. L.
- . *see* Yocom, C. F.
- Harris, S. W., C. L. Buechle and C. F. Yocom. 1954. The status of Barrow's Golden-eye in eastern Washington. **35**:33-38.
- Harris, S. W. and C. F. Yocom. 1952. Birds of the lower Grand Coulee and Potholes area, Grant County, Washington. **33**:18-28.
- . 1965. Sight record of a Flamingo in Humboldt County, California. **46**:28-29.
- Harrison, C. S. 1979. Sighting of Cuvier's beaked whale (*Ziphius cavirostris*) in the Gulf of Alaska. **60**:35-36.
- Hart, E. B. *see* Groves, C.
- Hart, F. G. 1977. Observations on the spring migration and behavior of gray whales near Pachena Point, British Columbia. **58**:40-43.
- Harthill, M. P. 1935. Some notes on a Northwest jumping mouse. **16**:18-19.
- . 1935. Notes on the hooting of Sooty Grouse. **16**:40.
- . 1935. Rusty Song Sparrow scratching for its food. **16**:41.
- . 1936. Canyon Wren in Whitman County, Washington. **17**:21.
- . 1936. Unusual bird records for Port Angeles, Wash. **17**:55.
- Harvey, J., R. Brown and B. Mate. 1983. Two sightings following release of rehabilitated harbor seals. **64**:18.
- Hatch, M. A. *see* Hatch, S. A.
- Hatch, S. A. and M. A. Hatch. 1983. Populations and habitat use of marine birds in the Semidi Islands, Alaska. **64**:39-46.
- Hatfield, D. M. 1939. Rate of metabolism in *Microtus* and *Peromyscus*. **20**:54-56.
- Hatfield, D. M. and E. T. Hooper. 1935. Notes on the voles of the species *Microtus oregoni*. **16**:33-34.
- Hatter, J. *see* Cowan, I. McT.
- Hatton, L. E., Jr. and R. S. Hoffmann. 1979. The distribution of red squirrels (*Tamiasciurus*) in eastern Oregon. **60**:23-25.
- Haugen, A. O. 1955. Hungarian Partridge population on a 60-acre area at Pullman, Washington. **36**:9-10.
- Hayward, J. L., Jr. *see* Amlaner, C. J., Jr.
- Hayward, J. L., Jr., C. J. Amlaner, Jr., W. H. Gillett and J. F. Stout. 1975. Predation on nestling gulls by a river otter in Washington State. **56**(2):9-10.
- Hedges, C. F. 1941. Calling birds. **22**:62-63.
- Hedlund, J. D. and W. H. Rickard. 1981. Wildfire and the short-term response of small mammals inhabiting a sagebrush-bunchgrass community. **62**: 10-14.
- Hemming, J. E. 1965. Unusual occurrences of birds in northern Alaska. **46**:6.
- Hendricks, D. P. *see* Marks, J. S.
- Hendricks, P. and C. J. Norment. 1986. Additions to the alpine avifauna of the Beartooth Mountains. **67**:90-92.
- Henjum, M. G. *see* Teweill, D. E.
- Henny, C. J. 1988. Large Osprey colony discovered in Oregon in 1899. **69**:33-36.

- _____. *see* Blus, L. J.
- _____. *see* Chapman, J. A.
- Henny, C. J., L. J. Blus and R. M. Prouty. 1982. Organochlorine residues and shell thinning in Oregon seabird eggs. **63**:15-21.
- _____. 1982. Errata. **63**:72.
- Henny, C. J. and J. A. Collins. 1980. Early concentrations of Brown Pelicans along southern Oregon Coast. **61**:99-100.
- Henny, C. J., J. A. Collins and W. J. Deibert. 1978. Osprey distribution, abundance, and status in western North America: II. The Oregon population. **59**:14-25.
- Henny, C. J. and J. E. Cornely. 1985. Recent Red-shouldered Hawk range expansion north into Oregon including first specimen record. **66**:29-31.
- Henny, C. J. and T. E. Kaiser. 1979. Organochlorine and mercury residues in Swainson's Hawk eggs from the Pacific Northwest. **60**:2-5.
- Henny, C. J. and M. W. Nelson. 1981. Decline and present status of breeding Peregrine Falcons in Oregon. **62**:43-53.
- Hensel, R. J. *see* Grubb, T. G.
- Herlugson, C. J. 1982. Food of adult and nestling Western and Mountain Bluebirds. **63**:59-65.
- _____. 1983. Errata. **64**:31.
- _____. 1983. Hover-foraging by Western Bluebirds. **64**:58-60.
- _____. *see* Johnson, R. E.
- Herman, S. G. *see* Brennan, L. A.
- _____. *see* Canning, D. J.
- Herzing, D. L. *see* Bayer, R. D.
- Hesse, H. *see* Hesse, W.
- Hesse, W. and H. Hesse. 1961. Sight record of downy young Semipalmated Plover in the Chilcotin of British Columbia. **42**:3.
- _____. 1962. Sight record of downy young Semipalmated Plover in the Chilcotin of British Columbia. **43**:35-36.
- Hewkin, J. 1961. Sight record of the Great Gray Owl in eastern Oregon. **42**:6.
- Higman, H. W. 1944. Autumn communal roosting of Purple Martins within the city limits of Seattle, Washington. **25**:43-44.
- Higman, H. W. and E. J. Larrison. 1941. Late nesting of the Pied-billed Grebe. **22**:19.
- Hildebrandt, W. R. 1984. Archaeological presence of the northern fur seal (*Callorhinus ursinus*) along the coast of northern California. **65**:28-29.
- Hills, S. and C. H. Fiscus. 1988. Cephalopod beaks from the stomachs of Northern Fulmars (*Fulmarus glacialis*) found dead on the Washington Coast. **69**:15-20.
- Hipsley, W. B. 1924. Notes on the young of the aplo-dontia. **5**(1):4.
- Hobson, K. A. and S. G. Sealey. 1986. Use of diurnal roosting sites by Pelagic Cormorants in Barkley Sound, British Columbia. **67**:65-74.
- Hobson, K. A. and D. Wilson. 1985. Colony establishment by Pelagic Cormorants on man-made structures in southwest coastal British Columbia. **66**:84-86.
- Hoffman, W. 1972. A sight record of the Sharp-tailed Sandpiper at South Beach, Lincoln County, Oregon. **53**:32.
- Hoffmann, R. S. *see* Beg, M. A.
- _____. *see* Hatton, L. E., Jr.
- Hoffmann, R. S. and R. L. Hand. 1962. Additional notes on Montana birds. **43**:29-35.
- Holdom, M. W. 1944. Additional note on feral coyotes. **25**:30.
- _____. 1945. Strange death of a Holboell Grebe. **26**:28.
- _____. 1951. Swan seen at Crescent, British Columbia. **32**:14.
- _____. 1953. Pine Grosbeaks in Surrey, B.C. **34**:48.
- Holland, G. P. 1942. On the occurrence of *Reithrodontomys* in British Columbia. **23**:60.
- Holmes, R. T. 1957. Audubon Warbler in southeastern Alaska. **38**:37.
- Holt, D. W. *see* Norton, W. D.
- Holt, D. W., J. J. Jonkel and B. A. McIntosh. 1987. Second specimen record of Boreal Owl in Montana. **68**:68.
- Home, W. S. 1977. Color change in a growing black bear. **58**:79.
- Hooper, E. T. *see* Hatfield, D. M.
- Hooper, T. D. 1988. Habitat, reproductive parameters, and nest-site tenacity of urban-nesting Glaucous-winged Gulls at Victoria, British Columbia. **69**:10-14.
- Hooper, T. D. and M. Nyhof. 1986. Food habits of the Long-eared Owl in south-central British Columbia. **67**:28-30.
- Hooven, E. F. *see* Borrecco, J. E.
- _____. *see* Maser, C.
- Hopkins, D. D. and R. B. Forbes. 1979. Size and reproductive patterns of the Virginia opossum in northwestern Oregon. **60**:95-98.
- _____. 1980. Dietary patterns of the Virginia opossum in an urban environment. **61**:20-30.
- Hopkins, D. D., R. B. Forbes and R. Gresbrink. 1983. Ages and sex ratios of coyotes trapped in Oregon. **64**:60-61.
- Horn, K. M. *see* Marshall, D. B.
- Horn, K. M. and D. B. Marshall. 1975. Status of Poor-will in Oregon and possible extension due to clearcut timber harvest methods. **56**(1):4-5.
- Horsfall, R. B. 1924. Nesting of American Crossbill in Multnomah County, Oregon. **5**(2):10.
- Horton, J. 1930. Birds and animals killed by forest fires. **11**(1):22.

- Horvath, E. G. and R. K. Moholt. 1986. Diurnal feeding cycle of an inland Great Blue Heron colony. *67*:27-28.
- Horvath, O. 1966. Observation of parturition and maternal care of the bushy-tailed wood rat (*Neotoma cinerea occidentalis* Baird). *47*:6-8.
- Hoskins, L. W. 1953. Sight record of Yellow-shafted Flicker in southern Idaho. *34*:48.
- Hotson, H. H., *see* Guberlet, John E.
- Houck, W. J. 1962. Possible mating of Grey Whales on the northern California Coast. *43*:54.
- . 1967. A note on the food of the Common or Great Egret. *48*:51.
- Houston, D. B. *see* Brown E. M.
- Hubbard, C. A. 1922. Some data upon the rodent *Aplodontia*. *3*(1):14-18.
- Hudson, G. E. 1939. Another record of the Chilean Skua (*Catharacta chilensis*) near Westport, Washington. *20*:71.
- . 1947. Birds observed in the Blue Mountains area of Washington during 1946. *28*:2-5.
- . 1947. Some birds observed in northeastern Washington in the summer of 1947. *28*:34.
- . 1951. Eastern Blue Jay (*Cyanocitta cristata*) at Pullman, Washington. *32*:43.
- . 1952. Northern Waterthrush (*Seiurus noveboracensis*) in Grant County, Washington. *33*:44.
- . 1952. Antelope ground squirrel (*Citellus leucurus*) in Twin Falls County, Idaho. *33*:44.
- . 1952. Black-billed Cuckoo (*Coccyzus erythrophthalmus*) at Gray's Lake, Bonneville County, Idaho. *33*:44.
- . 1954. Hudsonian Godwits on Cook Inlet, Alaska. *35*:51.
- . 1955. Some bird records from the Grays Harbor area of Washington. *36*:43.
- . 1957. Birds observed in the Kotzebue Sound area of Alaska during the summer of 1956. *38*: 26-29.
- . 1959. Another record of the Black-billed Cuckoo for eastern Washington. *40*:12.
- . 1964. Canada lynx (*Lynx canadensis*) in the Palouse wheat country. *45*:29.
- . 1967. Common Loon and Band-tailed Pigeon near Pullman, Washington. *48*:17.
- . 1967. More Band-tailed Pigeons near Pullman, Washington. *48*:57.
- . *see* Farner, D. S.
- Hudson, G. E. and J. R. King. 1951. Nesting of the European Starling in Adams County, Washington. *32*:24.
- Hughes, J. H. 1982. Prey of Short-eared Owl in southeastern Alaska. *63*:22-24.
- Hungerford, K. E. 1953. Some observations on the life history of the Idaho Ruffed Grouse. *34*:35-40.
- Hunter, W. F. and P. H. Baldwin. 1970. Say's Phoebe nesting in western Montana. *51*:14-15.
- . 1972. Black Swift nest in Glacier National Park. *53*:50-51.
- Hurd, L. 1924. Distribution of the Juncos in Washington as shown by the Washington State College collection. *5*(1):5-7.
- Hurley, J. B. 1921. Annotated list of Yakima County birds. *2*(1):14-16.
- . 1921. As seen from a Yakima County Ford. *2*(2):18.
- . 1922. Collecting in the Yakima Valley, 1921. *3*(1):8.
- . 1925. The status of the Wilson Phalarope in Yakima County, Washington. *6*:9.
- . 1926. Birds observed in Idaho, Washington, and Oregon. *7*:35-36.
- . 1929. Dotted Canyon Wren in Yakima County, Washington. *10*:12-13.
- . 1929. Nesting of Wilson Phalarope in Yakima County, Washington. *10*:58-61.
- . 1931. Birds observed in the Bristol Bay region, Alaska (Part I). *12*:7-11.
- . 1931. Birds observed in the Bristol Bay region, Alaska (Part II). *12*:35-42.
- . 1931. Birds observed in the Bristol Bay region, Alaska (Part III). *12*:71-75.
- . 1932. Birds observed in the Bristol Bay region, Alaska (Part IV). *13*:16-21.
- . 1932. Birds observed in the Bristol Bay region, Alaska (Part V—conclusion). *13*:38-40.
- . 1938. Nesting of Western Golden-crowned Kinglet in Yakima County, Washington. *19*:17.
- . 1941. Dotted Wren nesting again near Yakima, Washington. *22*:20.
- . 1949. California Bush-Tit in eastern Washington. *30*:19-20.
- . 1949. Some unusual birds from eastern Washington. *30*:40
- Hyde, A. S. 1938. Grasshopper Sparrow in the Palouse Country, eastern Washington. *19*:16-17.

I

- Ingles, L. G. 1949. Field observations on the growth of young mountain pocket gophers. *30*:35-36.
- . 1949. An improved live trap for pocket gophers. *30*:55-56.
- Ireland, J. G. *see* Kaiser, G. W.
- Isaacs, F. B., R. G. Anthony and R. J. Anderson. 1983. Distribution and productivity of nesting Bald Eagles in Oregon, 1978-1982. *64*:33-38.
- Ivey, G. L. and D. G. Paullin. 1987. Another possible record of long-term pair bonding in wild Mallards. *68*:31.
- Ivey, G. L. *see* Paullin, D. G.

J

- James, P. C. and H. Richardson. 1982. A fourth Brown Thrasher record for British Columbia. *63*:96-97.
- Jameson, R. J., K. W. Kenyon, S. Jeffries and G. R. Van Blaricom. 1986. Status of a translocated sea otter population and its habitat in Washington. *67*:84-87.
- Janes, S. W. 1983. Status, distribution, and habitat selection of the Grasshopper Sparrow in Morrow County, Oregon. *64*:51-54.
- Jarvis, R. L. 1966. Occurrence of European or Aleutian Green-winged Teal in western North America with a recent record. *47*:15-18.
- . *see* Eltzroth, M. S.
- Jarvis, R. L. and S. W. Harris. 1967. Canada Goose nest success and habitat use at Malheur Refuge. *48*: 46-51.
- Jeffrey, R. G. *see* Rieck, C. A.
- . *see* Swanson, C. V.
- . *see* Wick, W. Q.
- Jeffries, S. J. *see* Jameson, R. J.
- Jeffries, S. J. *see* Penland, S. T.
- Jewett, S. G. 1921. Washington field notes. *2*(2):5.
- . 1922. A day (any January day) in the field at Portland, Oregon. *3*(1):18-19.
- . 1922. The so-called dwarf bear of Oregon. *3*(3): 9.
- . 1927. Netarts Bay, Oregon, re-visited in 1926. *8*:3-4.
- . 1927. Bird notes from Clark County, Washington. *8*:44-46.
- . 1928. Lesser Yellow-Legs in southeastern Washington. *9*:69.
- . 1930. The Bryant Marsh Sparrow in Oregon. *11*:73.
- . 1930. The Broad-tailed Hummingbird in Washington State. *11*:73-74.
- . 1930. A cross-billed Bluebird. *11*:74.
- . 1930. Hoary bat secured in Portland, Oregon. *11*:75.
- . 1933. White-tailed Kite in Oregon. *14*:79.
- . 1934. The mystery of the Marbled Murrelet deepens. *15*:24.
- . 1934. Two Oregon stragglers. *15*:51.
- . 1935. A Red Phalarope disaster. *16*:15-16.
- . 1935. The Prairie Falcon at Portland, Oregon. *16*:16.
- . 1935. An albino mountain beaver. *16*:18.
- . 1935. The Farallon Cormorant near Vancouver, Washington. *16*:70.
- . 1936. The Black Brant at Tule Lake, Siskiyou County, California. *17*:19.
- . 1936. Bird notes from Harney County, Oregon, during May 1934. *17*:41-47.
- . 1938. Thayer's Gull in the State of Washington. *19*:16.
- . 1940. The Pacific Varied Thrush nesting at Portland, Oregon. *21*:47.
- . 1942. Bird notes from southeastern Alaska. *23*: 66-75.
- . 1944. The Burrowing Owl in the Portland, Oregon region. *25*:9.
- . 1946. American Rough-legged Hawk taken in Portland, Oregon region. *27*:13.
- . 1946. A "wild" blue fox trapped in Oregon. *27*:13.
- . 1953. *Branta canadensis occidentalis* in the Willamette Valley, Oregon. *34*:10.
- . 1953. A sight record of the White-winged Crossbill (*Loxia leucoptera*) on Mt. Adams, Washington. *34*:32.
- . 1954. A specimen of the Lesser Sandhill Crane taken near Portland, Oregon. *35*:13.
- . 1954. Northward extension of the range of the California Woodpecker. *35*:14.
- . 1954. Two waterfowl species not previously reported from the Klamath Lakes of Oregon. *35*: 31.
- . 1954. A specimen record of the Black Duck in Oregon. *35*:47.
- . 1954. The Common Teal (*Anas crecca*) taken in Oregon. *35*:51.
- . 1954. Northern extension of the range of the Cowbird in Western Oregon. *35*:51.
- . *see* Gabrielson, I. N.
- Jewett, S. G. and I. N. Gabrielson. 1934. Two new birds for Oregon. *15*:50-51.
- Jobin, L. 1952. Some uncommon birds collected in the Cariboo parkland biotic area of British Columbia. *33*:9.
- . 1952. Records of *Somateria mollisima v-nigra* on the main land of British Columbia, Canada. *33*: 12.
- . 1952. Record of *Corvus corax principalis* for the Cariboo, British Columbia, Canada. *33*:12.
- . 1952. Notes on the Harlequin Duck (*Histrionicus histrionicus pacificus*) nesting in the Quesnel River near Likely, British Columbia, Canada. *33*: 13.
- . 1952. New winter records of bats in British Columbia. *33*:42.
- . 1952. Notes and records of Peales Falcon and the Duck Hawk in the Cariboo, British Columbia, Canada. *33*:42-43.
- . 1952. Records of the Burrowing Owl and the Long-eared Owl in the Cariboo, British Columbia, Canada. *33*:43.
- . 1952. Notes and new records of *Falco rusticolis obsoletus* for the Cariboo District of British Columbia, Canada. *33*:43-44.
- . 1953. Notes on some unusual birds in the Cariboo District of British Columbia. *34*:31.

- _____. 1954. Notes on Swainson Hawk (*Buteo swainsoni* Bonaparte) for the Cariboo District of British Columbia. 35:10.
- _____. 1954. Notes on the Prairie Falcon and the Peregrine Falcon in the Cariboo District of British Columbia. 35:11.
- Johnsgard, P. A. 1954. Birds observed in the Potholes region during 1953-1954. 35:25-31.
- _____. 1954. Long-tailed Jaeger collected in eastern Washington. 35:31-32.
- Johnson, D. R. 1967. Historic record of caribou in central Idaho. 48:57.
- _____. 1970. Further evidence of mountain goat in the southern Cascades. 51:13.
- _____. 1972. Did mountain sheep occur in the Selkirk Mountains of Canada and the United States? 53: 28-29.
- Johnson, M. L. 1953. Fall and winter record of silver-haired bat for Washington State. 34:32.
- _____. 1961. Another Washington record of the fringed myotis. 42:44.
- _____. 1967. An external identification character of the heather vole, *Phenacomys intermedius*—the orange aural hairs. 48:17.
- _____. see Adams, S. E.
- _____. see Clanton, C. W.
- _____. see Maser, C.
- Johnson, M. L. and S. B. Benson. 1960. Relationship of the pocket gophers of the *Thomomys mazama-talpoides* complex in the Pacific Northwest. 41:17-22.
- Johnson, M. L. and P. W. Cheney. 1953. *Synaptomys* in Idaho and northeastern Washington. 34:10.
- Johnson, M. L., P. W. Cheney and T. H. Scheffer. 1950. Mammals of the Grand Coulee, Washington. 31: 39-42.
- Johnson, M. L. and C. W. Clanton. 1954. Natural history of *Sorex merriami* in Washington State. 35:1-4.
- Johnson, M. L., C. W. Clanton and J. Girard. 1948. The sagebrush vole in Washington State. 29:44-47.
- Johnson, M. L. and S. Johnson. 1952. Check list of mammals of the Olympic Peninsula. 33:32-37.
- _____. 1961. Mass highway death of Robins associated with holly planting. 42:26.
- Johnson, M. L., M. J. Wicks and J. Brenneman. 1958. Serum protein electrophoresis of some boreal mammals. 39:32-36.
- Johnson, R. E. 1977. An historical analysis of wolverine abundance and distribution in Washington. 58:13-16.
- _____. see Lewke, R. E.
- _____. see Wilson, C.
- Johnson, R. E. and G. A. Murray. 1976. New bird records for southeastern Washington. 57:54-57.
- Johnson, R. E., J. D. Reichel and C. J. Herlugson. 1984. Recent bird records from eastern Washington. 65: 60-61.
- Johnson, S. see Johnson, M. L.
- Johnson, S. R. and C. F. Yocom. 1966. Breeding waterfowl in the Lake Earl-Lake Talawa area, Del Norte County, California. 47:1-5.
- Johnson, T. M. see Brennan, L. A.
- Johnson, W. B. 1946. Golden Eagle's nest in eastern Washington. 27:34.
- Johnston, D. W. 1959. The incubation patch and related breeding data of Crows. 40:6-7.
- Johnstone, R. S. 1979. An unusual nest site of the Pacific jumping mouse with notes on its natural history. 60:72.
- _____. see Cornely, J. E.
- Jollie, M. 1951. A positive breeding record of the Starling in Idaho. 32:13.
- _____. 1951. A new bird for Washington and Idaho. 32:13.
- _____. 1952. New birds from Whitman County, Washington. 33:42.
- _____. 1953. The birds observed in Idaho by the Lewis and Clark Expedition, 1804-1806. 34:1-5.
- Jones, E. H. 1929. Some nesting records from Alaska. 10:55-57.
- Jones, G. F. 1948. A summer aggregation of lumpy-nosed bats at Lake Pend Oreille, Idaho. 29:48.
- _____. 1949. Gyrfalcon taken in eastern Washington. 30:40.
- _____. 1950. A preliminary report on an endourethral cast in beaver. 31:15.
- _____. see Zwicker, F.
- Jones, G. S. 1978. *Microtus longicaudus* with grooved incisors. 59:104-105.
- Jonkel, C. J. 1966. Robin predation of the western jumping mouse. 47:19.
- Jonkel, J. J. see Holt, D. W.
- Judd, S. R. and S. P. Cross. 1980. Chromosomal variation in *Microtus longicaudus* (Merriam). 61:2-5.
- Juris, J. see Beach, R. J.

K

- Kaiser, G. W. see Forbes, L. S.
- Kaiser, G. W., D. Bertram and D. Powell. 1984. A band recovery for the Rhinoceros Auklet. 65:57.
- Kaiser, G. W., K. Fry and J. G. Ireland. 1980. Ingestion of lead shot by Dunlin. 61:37.
- Kaiser, T. E. see Blus, L. J.
- _____. see Henny, C. J.
- Kane, S. M. 1924. Battle between a Western Robin and Steller's Jay, witnessed on the campus at the University of Washington. 5(2):9.
- Kebbe, C. E. 1954. Canada Geese nesting in western Oregon. 35:14.
- _____. 1954. Early nesting record of the Long-eared Owl. 35:31.

- . 1954. Nesting record of the Arkansas Kingbird in western Oregon. 35:38.
- . 1954. Use of nest boxes by Hooded Mergansers. 35:47.
- . 1954. Nesting record of the Yellow-headed Blackbird in western Oregon. 35:49.
- . 1954. Nesting record of the Cowbird in western Oregon. 35:51.
- . 1955. Muskrat migration from Klamath Marsh. 36:26.
- . 1955. Sight record of an albino Lesser Snow Goose. 36:38.
- . 1955. Status of the opossum in Oregon. 36:42.
- . 1956. Nesting record of the Wood Duck in southeastern Oregon. 37:3.
- . 1956. Unusual nesting site of Shufeldt's Junco. 37:10.
- . 1956. Record of white muskrat from Baker County, Oregon. 37:11.
- . 1956. American Scoter record from eastern Oregon. 37:17.
- . 1956. Inland records of White-winged Scotters in Oregon. 37:24.
- . 1956. Black mule deer taken in southern Oregon. 37:34.
- . 1956. Inland records of Surf Scotters in Oregon. 37:35-36.
- . 1958. Deposition of Pheasant eggs in Ruffed Grouse nest. 39:10.
- . 1958. Inland occurrences of Black Brant in Oregon. 39:13.
- . 1958. Nesting records of the Red-necked Grebe in Oregon. 39:14.
- . 1958. Early migrant Surf Scoter. 39:25.
- . 1958. Extension of breeding range of Starlings into Oregon. 39:27-28.
- . 1958. Ground nesting of the Great Horned Owl. 39:28.
- . 1959. Nesting records of Saw-whet Owls in Oregon. 40:21.
- . 1959. Winter record of the White-throated Sparrow in Oregon. 40:34.
- . 1962. Harris's Sparrow wintering in Portland. 43:52.
- . 1966. Cattle Egret sighted in Oregon. 47:37.
- . 1966. Wolverine killed in Oregon. 47:65.
- Kellogg, R. and V. B. Scheffer. 1947. Occurrence of *Stenella euphrusyne* off the Oregon Coast. 28:9-10.
- Kelly, D. J. *see* Van Horn, D.
- Kelly, W. N. 1927. The Japanese Starling in Vancouver, B.C. 8:14.
- Kempkes, J. A. 1933. European Widgeon taken at Everett, Washington. 14:15.
- . 1946. Arctic Three-toed Woodpecker nesting in Washington. 27:26-27.
- Kennedy, A. J. 1981. Interspecific aggressive display by a Common Loon. 62:20-21.
- Kenyon, K. W. 1959. Behavior of Murres during fledging. 40:5-6.
- . 1964. Wildlife and historical notes on Simeonof Island, Alaska. 45:1-8.
- . *see* Jameson, R. J.
- . *see* Scheffer, V. B.
- Kenyon, K. W. and D. W. Rice. 1960. The Sooty Shearwater in the Hawaiian Islands. 41:46.
- Kenyon K. W. and V. B. Scheffer. 1961. Wildlife surveys along the northwest coast of Washington. 42:29-37.
- Keppie, D. 1973. Morning commencement of calling of Band-tailed Pigeons in Oregon. 54:28-30.
- Kermode, F. 1923. Notes on the occurrence of the Plumed Egret *Mesophoyx intermedia* in British Columbia. 4(2):3-5.
- . 1933. California Brown Pelican seen at Victoria, B.C. 14:15.
- Kessel, B. 1979. Avian habitat classification for Alaska. 60:86-94.
- Kessel, B., H. K. Springer and C. M. White. 1964. June birds of the Kolomak River, Yukon-Kuskokwim Delta, Alaska. 45:37-47.
- Keyser, W. J. 1934. Visit to a heron colony. 15:53.
- Kilbride, K. M. *see* Blakely, K. L.
- Kindschy, R. R., Jr. 1960. Bird mounds of the Aleutian tundra. 41:24.
- Kindschy, R. R., Jr. and E. J. Larrison. 1961. Observations on a captive mountain beaver. 42:1-3.
- King, A. F. *see* Brown, E. M.
- King, D. G., A. Grass and K. Summers. 1973. Observations on the Dipper in the Skagit Valley of British Columbia. 54:16-19.
- King, J. R. 1952. Nesting of the Western Flycatcher in Whitman County, Washington. 33:29-30.
- . 1952. The Black-billed Cuckoo in eastern Washington. 33:44-45.
- . *see* Farner, D. S.
- . *see* Hudson, G. E.
- Kitchin, E. A. 1921. Nesting of the Wilson's Snipe in western Washington. 2(3): 11-12.
- . 1922. Nesting notes at Tacoma in 1922. 3(3): 13-18.
- . 1923. Observations of the Glaucous-winged Gull. 4(1):10-11.
- . 1923. The Prairie Falcon recorded in western Washington. 4(1):13.
- . 1923. White-winged Crossbill in western Washington. 4(3):17.
- . 1924. An infected grouse. 5(1):10.
- . 1924. Stomach contents of Western Red-Tail. 5(3):11.
- . 1924. Wood Duck in western Washington. 5(3):11.
- . 1925. A nuthatch tragedy. 6:1.
- . 1925. Glaucous Gull in Tacoma Harbor. 6:12.

- . 1925. Notes on a trip to Westport, Washington. **6**:62-63.
- . 1925. Maury Island, Puget Sound, Washington. **6**:64.
- . 1926. Nesting notes on the Pacific Nighthawk at Tacoma, Washington. **7**:51-53.
- . 1926. Tacoma (Wash.) nesting notes. **7**:63.
- . 1927. Nisqually notes for the autumn of 1926. **8**:8-11.
- . 1927. Observations at Westport, Washington. **8**:56-58.
- . 1927. Some observations on the Steller's Jay. **8**:76.
- . 1927. Black Swifts at Tacoma, Washington. **8**:76-77.
- . 1927. Marbled Godwit taken at Westport, Washington. **8**:77.
- . 1927. Note on Little Brown Crane. **8**:77.
- . 1927. The Pacific Nighthawk: an incident. **8**:77.
- . 1927. Some nesting notes of the Rufous Hummer. **8**:77.
- . 1929. Notes from western Washington. **10**:18.
- . 1930. Caspian Tern added to Washington list. **11**(1):19-20.
- . 1930. Early nesting of the Dipper. **11**(1):20.
- . 1930. Nesting notes of the MacGillivray Warbler. **11**(1):20.
- . 1930. Nesting observations at Moses Lake in May. **11**:54-59.
- . 1930. Fall observations at Westport. **11**:71-73.
- . 1931. Nesting notes on the Streaked Horned Lark. **12**:83.
- . 1931. Nesting notes on the Brook's Savannah Sparrow near Tacoma, Wash. **12**:83.
- . 1931. Nesting notes for 1931, Tacoma, Washington. **12**:83-84.
- . 1931. Nesting of the Hungarian Partridge in western Washington. **12**:84.
- . 1934. Recording of a colony of Wilson's Phalarope in western Washington. **15**:50.
- . 1934. Nesting of the Wood Duck with the Hooded Merganser. **15**:51-52.
- . 1934. Early nesting of the Pacific Varied Thrush. **15**:52.
- . 1934. Nesting notes on the Purple Martin. **15**:52-53.
- . 1934. Where are our Dippers? **15**:53.
- . 1939. A distributional check-list of the birds of Mount Rainier National Park. **20**:26-37.
- . 1939. Items of interest from Mount Rainier. **20**:70.
- Kitchin, E. A. and S. Warburton, Jr. 1926. Notes from Nisqually, Pierce County, Washington. **7**:14.
- Klaver, R. W., J. M. Smith, J. J. Claar, B. L. Betts and L. C. Peterson. 1982. Osprey surveys in the Flathead Valley, Montana, 1977 to 1980. **63**:40-45.
- Klein, M. 1944. Occurrence of an albino Townsend mole. **25**:10.
- Knight, R. L. *see* Marr, V.
- . *see* Pratt, K. A.
- Knight, R. L., J. B. Athearn, J. J. Brueggeman and A. W. Erickson. 1979. Observations on wintering Bald and Golden Eagles on the Columbia River, Washington. **60**:99-105.
- Knight, R. L. and A. W. Erickson. 1977. Ecological notes on Long-eared and Great Horned Owls along the Columbia River. **58**:2-6.
- . 1978. Marmots as a food source of Golden Eagles along the Columbia River. **59**:28-30.
- Knight, R. L., A. D. Every and A. W. Erickson. 1979. Seasonal food habits of four game bird species in Okanogan County, Washington. **60**:58-66.
- Knight, R. L., D. G. Smith and A. Erickson. 1982. Nesting raptors along the Columbia River in north-central Washington. **63**:2-8.
- Kochert, M. N. *see* Steenhof, K.
- Kowalczyk, K. J. 1976. Blue Jay sighted in southeastern Washington. **57**:44.
- Kragh, W. D. 1982. The Cattle Egret in the Fraser Delta area, British Columbia. **63**:86-88.
- . *see* Weber, W. C.
- Kresek, R. 1973. Some observations of a fisher at close range. **54**:22.
- Kridler, E. *see* Paullin, D. G.
- Kritzman, E. B. 1972. A captive shrew-mole and her litter. **53**:47-49.
- Kuntz, R. C., II. *see* Marks, J. S.
- Kury, C. R. 1972. Ring-necked Duck and Ruddy Turnstones wintering at Sitka. **53**:11.
- L**
- LaFave, L. D. 1954. Flammulated Scops Owl collected at Sprague Lake. **35**:11.
- . 1954. Clarkes Nutcracker nesting near Spokane. **35**:12.
- . 1954. Breeding of Northern Long-billed Curlews at Sprague Lake. **35**:48.
- . 1954. Sight record of two Northern Water Thrushes for Spokane. **35**:50.
- . 1955. Another sight record of the Hermit Warbler for eastern Washington. **36**:11.
- . 1955. Breeding record of Western Harlequin Duck for Spokane, Washington. **36**:17.
- . 1955. The unusual feeding of a young Nevada Cowbird. **36**:25.
- . 1955. The peculiar death of a Red-eyed Vireo. **36**:26.
- . 1955. Sharp-shinned Hawk attacks bobcat. **36**:34.
- . 1955. Rare sight record of Trumpeter Swan for Washington. **36**:44.
- . 1957. The Ovenbird (*Seiurus aurocapillus*) a new bird for Washington. **38**:7.

- . 1957. Sight records of Red-backed Sandpiper for eastern Washington. **38**:7.
- . 1957. More sea birds affected by oil. **38**:8.
- . 1958. Sight record of Old-Squaw for southeastern Washington. **39**:12.
- . 1958. An apparent late breeding record of the Olive-sided Flycatcher. **39**:13.
- . 1958. Hudsonian Chickadee for northeastern Washington. **39**:14.
- . 1958. Willet for southeastern Washington. **39**:25.
- . 1958. Another nesting record of the Clark's Nutcracker in the Spokane area. **39**:27.
- . 1959. Another record of the Long-tailed Jaeger for Washington. **40**:7-8.
- . 1959. Additional migration and collection records of shore birds in eastern Washington. **40**:33.
- . 1960. A recent record of the Hawk Owl for eastern Washington. **41**:14.
- . 1960. The Hudsonian Godwit, a new bird for the State of Washington. **41**:16.
- . 1960. Recent records of the Gyrfalcon for southeastern Washington. **41**:29.
- . 1960. A Burrowing Owl wintering in eastern Washington. **41**:29-30.
- . 1960. The Clay-colored Sparrow, a new bird for the State of Washington. **41**:30.
- . 1960. The Yellow-headed Blackbird wintering in eastern Washington. **41**:30.
- . 1960. A second record of the Black-necked Stilt for Washington. **41**:30.
- . 1961. Another record of the White-throated Sparrow for eastern Washington. **42**:24.
- . 1961. Another record of the Peregrine Falcon for eastern Washington. **42**:43.
- . 1961. Two new species of gulls for eastern Washington. **42**:43-44.
- . 1961. Mutation in a Common Tern (*Sterna hirundo*). **42**:45.
- . 1962. The Red-breasted Sapsucker near Spokane, Washington. **43**:28.
- . 1962. A new locality record for the Double-crested Cormorant. **43**:50.
- . 1962. Additional records of the Bewick Wren for south-central Washington. **43**:50-51.
- . 1963. Another record of the Buff-breasted Sandpiper in eastern Washington. **44**:11.
- . 1963. The yearly bird list. **44**:16.
- . 1965. Revised status of Laridae in eastern Washington. **46**:7-11.
- . 1965. The Le Contes' Sparrow, a new bird for the State of Washington. **46**:26.
- . 1965. Additional records of the Hudsonian Chickadee for northeastern Washington. **46**:27.
- . 1965. The Williamson's Sapsucker in northeastern Washington. **46**:28.
- . *see* Hall, W. A.
- LaFave, L. D. and W. A. Hall. 1963. A Washington State breeding population of the Northern Waterthrush. **44**:16.
- Lambert, A. 1981. Presence and food preferences of the Great Horned Owl in the urban parks of Seattle. **62**:2-5.
- Langenstein, S. *see* Rich, T.
- Langstaff, B. J. *see* Allen, G. T.
- Lannoy, S. L. and F. D. Sakaguchi. 1979. First record of breeding Bufflehead in central Idaho. **60**:72-73.
- Larrison, E. J. 1940. The Anthony Green Heron in the State of Washington. **21**:1-3.
- . 1940. Water bird studies in the University of Washington swamp. **21**:29-33.
- . 1941. Notes from Cascade Mountains. **22**:40.
- . 1942. Pocket gophers and ecological succession in the Wenas region of Washington. **23**:34-41.
- . 1942. Strange behavior of a Sharp-tailed Grouse. **23**:79.
- . 1943. Feral copus in the Pacific Northwest. **24**:3-9.
- . 1943. An early spring reconnaissance of the birds and mammals of Northrup Canyon, Upper Grand Coulee, Washington, Part I. **24**:35-46.
- . 1944. An early spring reconnaissance of the birds and mammals of Northrup Canyon, Upper Grand Coulee, Washington, Part II. **25**:35-42.
- . 1945. Blue-footed Booby in the Pacific Northwest. **26**:45.
- . 1945. Albino Purple Martin at Seattle Martin roost. **26**:45-46.
- . 1946. Biotic areas in the Pacific Northwest. **27**:19-24.
- . 1947. Miscellaneous distributional notes for Washington. **28**:11-13.
- . 1947. Eastern Starling in Snohomish County, Washington. **28**:21.
- . 1947. Notes on the chipmunks of west-central Washington. **28**:23-30.
- . 1947. Sections of the Puget Lowland belt. **28**:35-36.
- . 1947. Weather changing experiments and their possible effects on the natural ecology. **28**:36.
- . 1948. Variation in the chipmunks of west-central Washington, Part I. **29**:34-43.
- . 1949. Variation in the chipmunks of west-central Washington, Part II. **30**:27-34.
- . 1949. Further notes on Bush-Tits in Satus Canyon, Washington. **30**:39.
- . 1971. Sight record of the Gray Flycatcher in Washington. **52**:40.
- . 1977. A sighting of the Broad-winged Hawk in Washington. **58**:18.
- . *see* Higman, H. W.
- . *see* Kindschy, R. R.

- _____. *see* Svhila, A.
- _____. *see* Weber, J. W.
- _____. *see* Yaich, J. A.
- Larsen, K. H. and D. F. Mott. 1970. House Finch removal from a western Oregon blueberry planting. **51**:15-16.
- Larson, A. G. *see* Marks, J. S.
- Larson, R. O. *see* Beach, R. J.
- _____. *see* Newby, T. C.
- Lauckhart, J. B. 1949. Black Duck taken in Washington State. **30**:20.
- _____. 1956. Calculating mortality rates for waterfowl. **37**:1-34.
- _____. 1958. The Sooty Shearwater in Puget Sound. **39**:24.
- _____. 1962. Chipping Sparrows foil a Cowbird. **43**:15.
- Laughlin, J. M. and A. L. Cooper. 1973. A range extension of the kit fox in Oregon. **54**:23.
- Laurance, W. F. and T. D. Reynolds. 1984. Winter food preferences of captive-reared northern flying squirrels. **65**:20-22.
- Lauthner, J. *see* Stinson, C. H.
- Laval, J. 1947. White-tailed Kites in Oregon. **28**:41.
- Layser, E. F. 1972. Notes on grizzly bear sightings in northeastern Washington and adjacent northern Idaho. **53**:8-9.
- Layser, E. F. and T. E. Burke. 1973. The northern bog lemming and its unique habitat in northeastern Washington. **54**:7-8.
- Leatherwood, S. *see* Antonelis, G. A., Jr.
- Leder, J. E. and M. L. Walters. 1980. Nesting observations for the Barred Owl in western Washington. **61**:110-112.
- Leitschuh, M. *see* Werschkul, D.
- Lemon, M. *see* Butler, R. W.
- _____. *see* Vermeer, K.
- Lensink, C. J. 1967. Arctic Loon predation on ducklings. **48**:41.
- Leschner, L. *see* McAllister, K. R.
- Levy, S. H. 1950. Summer birds in southern Idaho. **31**:2-8.
- _____. 1959. Miscellaneous northern Idaho bird notes. **40**:30-33.
- _____. 1962. Additional summer southern Idaho bird notes. **43**:10-14.
- Lewis, Mrs. P. 1940. A western record for the Barn Owl. **21**:9.
- Lewke, R. E. 1974. Sight record of Bewick's Wren in eastern Washington. **55**:42-43.
- Lewke, R. E. and R. E. Johnson. 1974. Rock Wrens wintering in the Snake River canyon in eastern Washington. **55**:42.
- Lidicker, W. Z., Jr. 1971. Corrections and additions to our knowledge of the pocket gopher *Thomomys mazama pugetensis*. **52**:12-13.
- Lidstone, R. *see* Buckner, C. H.
- Lieb, J. W. and A. S. Mossman. 1974. Elk drowning. **55**:39-40.
- Lien, C. 1921. Notes on Petrels. **2**(1):5-6.
- _____. 1921. Clallam County, Wn. notes. **2**(2):7.
- _____. 1922. Some unusual occurrences at Clallam Bay. **3**(1):5.
- _____. 1922. Ancient Murrelet (*Synthliboramphus antiquus*) at Clallam Bay, Wash. **3**(2):5.
- _____. 1923. Birds killed by light-house. **4**(2):8-10.
- Lindsay, S. L. and A. E. Perry. 1977. An additional Merriam's shrew (*Sorex m. merriami*) specimen from Oregon. **58**:17.
- Lindsley, L. D. 1921. Crossbills feeding on salt. **2**(3):15.
- Littlefield, C. D. 1971. An unusual encounter between an American Bittern and common garter snake. **52**:27-28.
- _____. 1987. Probable Sandhill Crane chick mortality resulting from ant harassment. **68**:107-108.
- _____. *see* Paullin, D. G.
- Littlefield, C. D., J. E. Cornely and S. P. Thompson. 1985. Recent bird records from Malheur National Wildlife Refuge, Oregon. **66**:25-28.
- Livezey, B. C. and B. J. Verts. 1979. Estimates of age and age structure in Mazama pocket gophers, *Thomomys mazama*. **60**:38-41.
- Lloyd, D. S., R. B. Smith and K. A. Sundberg. 1987. Introduction of European wild boar to Marmot Island, Alaska. **68**:57-58.
- Locatelli, M.S. and T. E. Blankenship. 1973. White-faced Ibis in Humboldt County, California. **54**:11-12.
- Long, C. A. 1963. Taxonomic comments on some aquatic mammals of San Juan Island, Washington. **44**:25-26.
- _____. *see* Bruce, J. A.
- Ludwig, S. A. *see* Verts, B. J.
- Lumley, E. D. 1931. Notes on the Snowy Owl in Montana. **12**:57-58.
- _____. 1933. Late nesting in 1932. **14**:17-18.
- _____. 1934. The song of the Mountain Bluebird. **15**:49-50.
- _____. 1934. Notes on some nesting birds in San Juan Islands, Washington. **15**:80-81.
- _____. *see* Miller, R. C.
- Luscher, R. E. *see* Campbell, R. W.
- Lutz, R. S. *see* Crawford, J. A.
- Lyman, S. H. 1921. Notes from Dayton, Washington. **2**(1):6.
- _____. 1922. Bird notes from Dayton, Wn. **3**(1):7.
- _____. 1922. The occurrence of Richardson's Grouse (*Dendragapus obscurus richardsonii*) in the Blue Mountains, eastern Washington. **3**(2):5.
- _____. 1924. Pine Grosbeaks at Dayton, Washington. **5**(1):8.
- _____. 1926. Notes on flying squirrels of southeastern Washington. **7**:42.

- Lyman, S. H. and P. C. Dumas. 1951. Additional notes on unusual birds from southeastern Washington. *32*:23-24.
- Lynch, R. G. 1983. Maternal defensive behavior in the porcupine (*Erethizon dorsatum*). *64*:22-23.
- M**
- MacAskie, I. B. 1966. Unusual example of group behaviour by killer whales (*Orcinus rectipinna*). *47*: 38.
- MacCarter, D. L. and D. S. MacCarter. 1979. Ten-year nesting status of Ospreys at Flathead Lake, Montana. *60*:42-49.
- MacCarter, D. S. *see* MacCarter, D. L.
- MacDonald, S. O. and C. L. Elliott. 1984. Distribution of the water shrew (*Sorex palustris*) in Alaska. *65*: 45.
- Macy, P. P. 1934. Some notes on the animal life of Mount Rainier National Park, Washington. *15*: 46-48.
- Maddock, H. J. 1925. Nesting of the Western Belted Kingfisher (*Ceryle alcyon caurina*) on Puget Sound, Washington. *6*:59-60.
- Malcolm, J. M. 1971. Two female Trumpeter Swans share a nest. *52*:24-25.
- Mandy, J. 1927. Destruction of sea lions on British Columbia Coast. *8*:78-79.
- Mangan, L. *see* Rich, T.
- Mann, L. K. *see* Alcorn, G. D.
- Mannan, R. W. 1984. Habitat use by Hammond's Flycatcher in old-growth forests, northeastern Oregon. *65*:84-86.
- Mannan, R. W., B. S. Hale and M. L. Morrison. 1983. Observations of nesting Townsend's Warblers in northeastern Oregon. *64*:2-25.
- Manuwal, D. A. 1973. Extralimital occurrence of the Brown Thrasher in western Washington. *54*:24.
- . 1975. The status of the Bluethroat (*Luscinia svecica*) in North America. *56*(2):5-8.
- . 1978. Avian diversity and habitat selection in the Noatak Valley, Brooks Range, Alaska. *59*:42-58.
- . 1983. Avian abundance and guild structure in two Montana coniferous forests. *64*:1-11.
- . 1983. Feeding locations of coniferous forest birds during a spruce budworm outbreak in western Montana. *64*:12-17.
- . 1986. Characteristics of bird assemblages along linear riparian zones in western Montana. *67*:10-18.
- . *see* Grubb, T. G.
- . *see* Vermeer, K.
- Marcot, B. G. 1984. Winter use of some northwestern California caves by western big-eared bats and long-eared myotis. *65*:46.
- Mark, D. M. *see* Weber, W. C.
- Markham, O. D. and C. H. Trost. 1986. Summer foods of Mourning Doves in southeastern Idaho. *67*: 60-62.
- Marks, J. S. 1983. Unusual nest sites of a Western Screech-Owl and an American Kestrel. *64*:96-97.
- Marks, J. S., J. H. Doremus and A. R. Bammann. 1980. Black-throated Sparrows breeding in Idaho. *61*: 112-113.
- Marks, J. S., D. P. Hendricks and V. S. Marks. 1984. Winter food habits of Barred Owls in western Montana. *65*:27-28.
- Marks, J. S., R. C. Kuntz, II and A. G. Larson. 1982. Photographic record of the Red Knot in Idaho. *63*:72.
- Marks, J. S. and V. A. Marks. 1981. Comparative food habits of the Screech Owl and Long-eared Owl in southwestern Idaho. *62*:80-82.
- Marks, J. S. and E. Yensen. 1980. Nest sites and food habits of Long-eared Owls in southwestern Idaho. *61*:86-91.
- Marks, V. A. *see* Marks, J. S.
- Marr, N. V. 1985. Gopher snake preys on Northern Oriole nestlings. *66*:95-97.
- Marr, N. V. and R. L. Knight. 1982. Raven predation of feral Rock Dove eggs. *63*:25.
- . 1983. Food habits of Golden Eagles in eastern Washington. *64*:73-77.
- Marshall, D. B. *see* Horn, K. M.
- Marshall, D. B. and H. F. Duebbert. 1965. Nesting of the Ring-necked Duck in Oregon in 1963 and 1964. *46*:43.
- Marshall, D. B. and K. Horn. 1973. Adaptations of two desert birds to clearcut area in the Oregon Cascades. *54*:35-36.
- Martin, D. J. 1977. Nectar feeding in the Black-capped Chickadee. *58*:18.
- Martin, D. F. *see* Fitzner, R. E.
- . *see* Rohwer, S.
- Martin, J. E. and J. Rozdilsky. 1980. Occurrence of a porcupine quill in the radius of a marmot. *61*:80-81.
- Martin, P. W. *see* Cowan, I. McT.
- Martinsen, C. F. and C. A. Rieck. 1963. Sight records of Ring-necked Duck broods in western Washington. *44*:14-15.
- Maser, C. 1965. Notes on the contents of owl pellets found in Oregon. *46*:44.
- . 1965. Nest of bushy-tailed wood rat fifty feet above the ground. *46*:46.
- . 1965. Spotted Owl preys on dusky tree mice. *46*:46.
- . 1966. Injured owl apparently fed by parents. *47*:20.
- . 1966. Notes on a captive *Sorex vagrans*. *47*:51-53.

- . 1966. A second *Neotoma cinerea* nest fifty feet above the ground. 47:72.
- . 1967. Black bear damage to Douglas fir in Oregon. 48:34-38.
- . 1967. A live trap for microtines. 48:58.
- . 1969. Bacula of *Tamiasciurus*. 50:10-11.
- . see Brodie, E. D., Jr.
- . see Forsman, E.
- . see Grayson, D. K.
- . see Hammer, E. W.
- . see Maser, Z.
- . see Nussbaum, R. A.
- . see Rohweder, R.
- Maser, C., R. Anderson and E. L. Bull. 1981. Aggregation and sex segregation in northern flying squirrels in northeastern Oregon, an observation. 62:54-55.
- Maser, C. and E. D. Brodie, Jr. 1966. A study of owl pellet contents from Linn, Benton and Polk Counties, Oregon. 47:9-14.
- Maser, C. and K. Gordon. 1965. A nesting record of Long-eared Owls in Benton County, Oregon. 46: 39.
- Maser, C. and E. W. Hammer. 1972. A note on the food habits of Barn Owls in Klamath County, Oregon. 53:28.
- Maser, C., E. W. Hammer and S. H. Anderson. 1970. Comparative food habits of three owl species in central Oregon. 51:29-33.
- Maser, C., E. W. Hammer and M. L. Johnson. 1969. Abnormal coloration in *Microtus montanus*. 50:39.
- Maser, C., E. W. Hammer and R. Maser. 1971. A note on the food habits of the Short-eared Owl (*Asio flammeus*) in Klamath County, Oregon. 52:27.
- Maser, C. and E. F. Hooven. 1969. A new locality record of *Phenacomys albipes*. 50:22.
- . 1970. Dental abnormalities in *Microtus longicaudus*. 51:11.
- . 1970. Low altitude records of *Microtus richardsoni* in the Oregon Cascades. 51:12.
- Maser, C. and M. L. Johnson. 1967. Notes on the white-footed vole (*Phenacomys albipes*). 48:23-27.
- Maser, C. and R. Maser. 1971. Live trapping small animals in the rain. 52:28.
- Maser, C. and C. Shaver. 1976. Acute incisor malocclusion in a Townsend ground squirrel. 57:17-18.
- Maser, C., S. Shaver, C. Shaver and B. Price. 1980. A note on the food habits of the Barn Owl in Malheur County, Oregon. 61:78-80.
- Maser, R. see Maser, C.
- Maser, Z. and C. Maser. 1987. Notes on mycophagy of the yellow-pine chipmunk (*Eutamias amoenus*) in northeastern Oregon. 68:24-27.
- Mason, Mrs. R. 1951. Winter observation of the Lazuli Bunting near Hope, British Columbia. 32:27.
- Mate, B. see Harvey, J.
- Mayer, W. V. 1941. Variation and systematic position of the flying squirrel of Idaho. 22:30-31.
- McAllister, K. R., T. E. Owens, L. Leschner and E. Cummins. 1986. Distribution and productivity of nesting Bald Eagles in Washington, 1981-1985. 67:45-50.
- McAtee, W. L. 1935. Duration of insect remains in the stomachs of birds. 16:29-32.
- . 1946. Tipping and bobbing habit in birds. 27: 13.
- . 1946. Teetering of spotted sandpipers. 27:53.
- McBee, C. E. 1927. Notes on the food of the Burrowing Owl. 8:48.
- . 1928. An invasion of Rosy Finches in Benton County, Washington. 9:47-48.
- . 1931. Why have the geese changed their lines of flight? 12:25-26.
- . 1931. The Dusky Horned Lark in eastern Washington. 12:43-45.
- McCabe, E. B. see McCabe, T. T.
- McCabe, T. R. 1976. First record of a Magnificent Frigatebird in inland Pacific Northwest. 57:43-44.
- McCabe, T. T. and E. B. McCabe. 1928. The Bowron Lake moose: their history and status. 9:1-9.
- . 1928. Migratory movement of *Citellus columbianus* in Caribou District, British Columbia. 9: 22-23.
- . 1928. The British Columbia moose again. 9: 60-63.
- McClelland, B. R. 1976. First verified nest of Chestnut-backed Chickadee in Montana. 57:18.
- McDermond, D. K. see Thompson, S. P.
- McIntosh, B. see Holt, D. W.
- McKelvey, R. W. and D. W. Smith. 1979. A black bear in a Bald Eagle nest. 60:106-107.
- McKinnon, D. T. and F. C. Zwickel. 1988. Length of incubation period of Blue Grouse. 69:73-75.
- McKnight, D. E. 1960. Cinnamon Teal near Kent, Washington. 41:27.
- McKnight, E. T. 1924. Notes from Wyoming. 5(3):8-9.
- McLaury, E. L. see Cornely, J. E.
- McLeod, B. B. see Buckner, C. H.
- McMahon, E. see Bayer, R. D.
- . see Werschkul, D.
- McManama, Z. V. 1944. The Hutton Vireo in Whatcom County, Washington. 25:26.
- . 1944. Records of White Pelican, Saw-whet Owl, and Barn Owl in Whatcom County. 25:29-30.
- . 1944. Coast Bush-Tits in Whatcom County, Washington. 25:46.
- . 1947. Some invertebrate food of the Glaucous-winged Gull. 28:40.
- . 1948. Notes on Evening Grosbeaks. 29:27.
- . 1948. King Eider taken at Seattle, Washington. 29:48.

- . 1950. Additional notes on the birds of the San Juan Islands. *31*:29-30.
- . 1950. Post-juvenile molt of Steller's Jay in captivity. *31*:33-34.
- . 1952. Sight record of Willet at Gray's Harbor, Washington. *33*:13.
- . *see* Schultz, Z. M.
- McMurtry, F. B. 1940. Mink observations at Packwood Lake. *21*:47.
- McNeil, C. W. 1948. A preliminary survey of parasites of eastern Washington waterfowl. *29*:2-4.
- McNeil, W. L. 1956. The pallid bat discovered near Spokane, Washington. *37*:34-35.
- McNicholl, M. K. 1978. Sight records of Veery and Swamp Sparrow on Vancouver Island, British Columbia. *59*:102-104.
- Melchior, M. A. 1980. Dark-eyed Juncos nesting in Robin nest in vacant building. *61*:100.
- . 1980. American Robin's nest in cavity in a fence post. *61*:102.
- Melland, J. *see* Rohweder, R.
- Melquist, W. E. *see* Schroeder, G. J.
- Melquist, W. E. and G. J. Schroeder. 1974. Sub-albinistic Red-tailed Hawk sighted in Idaho. *55*:8-9.
- Mendel, G., S. Mendel and R. Moate. 1981. A second Idaho record of the Parasitic Jaeger. *62*:26-27.
- . 1982. A second Idaho record of the Parasitic Jaeger. *63*:72.
- Mendel, S. *see* Mendel, G.
- Merilees, W. J. *see* Footit, R. G.
- Meslow, E. C. *see* Forsman, E. D.
- Mewaldt, L. R. 1954. Nesting record of Clark Nutcracker in Washington. *35*:12.
- Meyer, D. 1973. Observations of two rare sandpipers in eastern Washington. *54*:21-22.
- Miller, A. H. 1942. A California Condor bone from the coast of southern Oregon. *23*:77.
- Miller, J. P. 1930. The Bob-White in the Palouse region, Washington. *11*:60-64.
- . 1931. The Red-tailed Hawk (*Buteo borealis* (Gmelin)) in relation to the control of the Columbian ground squirrel (*Citellus c. columbianus* (Ord)). *12*:46-49.
- Miller, R. G., R. W. Ritcey and R. Y. Edwards. 1955. Live-trapping marten in British Columbia. *36*:1-8.
- Miller, R. C. 1929. Subcutaneous parasitism of a young warbler by fly larvae. *10*:13-14.
- . 1934. Notes toward a comparison of the avifaunas of North America and south China. *15*:73-77.
- . *see* Guberlet, J. E.
- Miller, R. C. and E. L. Curtis. 1940. Birds of the University of Washington campus. *21*:34-46.
- Miller, R. C., E. D. Lumley and F. S. Hall. 1935. Birds of the San Juan Islands, Washington. *16*:50-65.
- Miller, W. R. and R. M. Brigham. 1988. "Ceremonial" gathering of Black-billed Magpies (*Pica pica*) after the sudden death of conspecific. *69*:78-79.
- Mitchell, G. J. 1949. Trumpeter Swans at Tahsis, Vancouver Island. *30*:59.
- Mitchell, M. K. 1974. An albino hummingbird in Oregon. *55*:4.
- Moate, R. *see* Mendel, G.
- Modafferi, R. and C. F. Yocom. 1980. Summer food of river otter in north coastal California lakes. *61*:38-41.
- Moholt, R. K. *see* Horvath, E. G.
- Moldenhauer, R. R. and E. D. Bawdon. 1962. Mockingbird collected in Washington. *43*:15.
- Montgomery, K. *see* Thompson, S. P.
- Monthey, R. W. 1984. An additional Golden Eagle nesting record for the west slope of the Cascade Range, Oregon. *65*:29-30.
- Moore, E. and R. E. Woodley. 1975. An occurrence of the Northern Parula Warbler in Washington. *56*(1):12.
- Moore, W. C. *see* Shaw, W. T.
- Morgan, J. L. *see* Verbeek, N. A. M.
- Morrison, M. L. *see* Green, G. A.
- . *see* Mannan, R. W.
- Morrison, M. L. and J. W. Hardy. 1983. Hybridization between Hermit and Townsend's Warblers. *64*:65-72.
- Morton, M. L. 1965. Harris' Sparrows wintering in southeastern Washington. *46*:14-15.
- Mossman, A. S. *see* Lieb, J. W.
- Mott, D. F. *see* Larsen, K. H.
- Mott, D. F. and C. P. Stone. 1973. Predation on corn earworms by Red-winged Blackbirds. *54*:8-10.
- Mould, E. 1979. Seasonal movement related to habitat of moose along the Colville River, Alaska. *60*:6-11.
- Mudd, D. R. *see* Smith, J. L.
- Mudd, D. R. and J. L. Smith. 1975. Flamingos in Grays Harbor, Washington. *56*(3):20-22.
- Muir, A. 1962. Winter record of the Harris' Sparrow for southwest British Columbia. *43*:53.
- Mullican, T. R. 1986. Additional records of *Sorex merriami* from Idaho. *67*:19-20.
- Munro, J. A. 1921. Okanagan Landing, B.C. note. *2*(2):5.
- . 1921. British Columbia bird notes 1920-1. *2*(2):15-17.
- . 1922. British Columbia bird notes 1920-1. *3*(1):3.
- . 1925. Some observations on Bare Island, British Columbia. *6*:55-57.
- . 1929. August bird life on Liuchin Mountain, British Columbia. *10*:7-9.
- . 1929. Notes on the abundance of voles and mice in the Okanagan District, British Columbia. *10*:38-39.

- _____. 1931. November land birds in the Okanagan Landing region, B.C. **12**:21.
- _____. 1953. Bird records from the southern interior of British Columbia. **34**:15-17.
- _____. 1953. Red-legged Kittiwake in Oregon. **34**:48.
- _____. 1955. A sight record of Baltimore Oriole in British Columbia. **36**:43.
- _____. 1955. A record of the Least Bittern in British Columbia. **36**:44.
- _____. 1956. Comment on reported occurrence of Trumpeter Swan in Washington during summer. **37**:35.
- _____. 1956. Two records of Barred Owl in southern British Columbia. **37**:37.
- _____. 1957. Observations of the winter waterfowl population at Morro Bay, California. **38**:9-25.
- Murie, O. J. 1923. Nest and eggs of the Wandering Tattler found in Alaska. **4**(3):17.
- Murray, G. A. *see* Johnson, R. E.
- Musgrove, B. F. 1951. Weasel foraging patterns in the Robinson Lake area, Idaho. **32**:8-11.
- Myres, M. T. 1957. A nest records scheme in British Columbia. **38**:30-31.
- _____. 1957. The British Columbia nest records scheme, 1957 season. **38**:32-35.
- _____. 1959. Survey of the Harlequin Duck. **40**:22-23.
- _____. 1960. The occurrence of the Harlequin Duck in summer. **41**:16.
- N**
- Nakatani, R. E. *see* Rickard, W. H.
- Napier, L. D. *see* Cornely, J. E.
- Nellis, C. H. 1973. Staggered hatching of Robins. **54**:38.
- Nelson, J. H. 1927. Notes from Bumping Lake, Yakima County, Washington. **8**:17.
- _____. 1931. Strange death of a Horned Owl. **12**:57.
- _____. 1931. A pack rat versus bread rolls—an incident. **12**:57.
- _____. 1947. Oyster-Catcher taken in Yakima County, Washington. **28**:6.
- Nelson, J. W., D. R. Nysewander, J. L. Trapp and A. L. Sowles. 1987. Breeding bird populations on St. Lazarus Island, Alaska. **68**:1-11.
- Nelson, M. W. *see* Henny, C. J.
- Nelson, S. K. *see* Anthony, R. G.
- Neubrech, W. 1949. Predator control policy of the Washington State Department of Game. **30**:37-39.
- Newby, T. C. 1966. Viability of premature fetal harbor seal. **47**:46.
- _____. 1973. Changes in the Washington State harbor seal population, 1942-1972. **54**:4-6.
- _____. 1975. A sea otter (*Enhydra lutris*) food dive record. **56**(1):7.
- _____. 1975. Record of a sea otter, *Enhydra lutris*, 65 miles from shore. **56**(1):13.
- _____. *see* Beach, R. C.
- Newby, T. C. and R. O. Larson. 1974. Aggression in the Pacific Fulmar, *Fulmarus glacialis*. **55**:10.
- Newhouse, V. F. 1960. Birds of selected irrigated river valleys of west central Idaho. **41**:1-6.
- Newman, J. R. 1976. Observations of sexual behavior in male gray whales, *Eschrichtius robustus*. **57**:49.
- Newman, J. R., W. H. Brennan and L. M. Smith. 1977. Twelve-year changes in nesting patterns of Bald Eagles (*Haliaeetus leucocephalus*) on San Juan Island, Washington. **58**:37-39.
- Nichols, H. K., Jr. 1947. White Pelicans seen at Redondo, Washington. **28**:6.
- Nicholson, D. C. *see* Wotton, M. J.
- Nickelsen, H. C. 1937. Note on the Great Horned Owl. **18**:31.
- _____. 1938. Mountain caribou (*Rangifer montanus*) in the State of Washington. **19**:19.
- _____. 1939. Whistling Swans at Blue Lake. **20**:10.
- _____. 1941. Western Mourning Dove nesting at Tacoma, Washington. **22**:59.
- _____. 1942. Crested Auklet reported taken in Washington. **23**:82.
- Noble, M. D. 1972. Blue Geese observation in British Columbia. **53**:13.
- Nolen, R. K. *see* Climpson, J. T.
- Norment, C. J. *see* Hendricks, P.
- Norton, W. D. and D. W. Holt. 1982. Simultaneous nesting of Northern Pygmy Owls and Northern Saw-whet Owls in the same snag. **63**:94.
- Nosler, D. *see* Buechele, C. L.
- Nussbaum, R. A. and C. Maser. 1969. Observations of *Sorex palustris* preying on *Dicamptodon ensatus*. **50**:23-24.
- Nyhof, M. *see* Hooper, T. D.
- Nyquist, M. O. 1972. Single red fox sighted. **53**:31.
- Nysewander, D. R. *see* Nelson, J. W.
- Nystrom, G. 1969. Sight record of Common Teal at Seattle, Washington. **50**:36.
- O**
- O'Brien, J. P. 1981. Summer food habits of the mountain beaver in northeastern California. **62**:86-87.
- O'Gara, B. W. 1986. Reliability of scat analysis for determining coyote feeding on large mammals. **67**:79-81.
- O'Neil, T. A. 1980. Pine marten maternal den observations. **61**:102-103.
- _____. 1988. Effects of removal and replacement of brood-rearing habitat on a Canada Goose flock. **69**:41-45.
- Oates, R. M. *see* Blakely, K. L.
- Ofelt, C. H. 1976. Unusual feeding behavior of Bald Eagles in British Columbia. **57**:70.
- _____. *see* Boyd, D.

- Olendorff, R. R. 1974. Interspecific feeding of fledgling House Finches by adult Rufous-sided Towhee. **55**:9.
- Oliver, W.H. *see* Hansen, H. A.
- Olson, S. T. 1974. Bandtailed Pigeons in southeast Alaska. **55**:27.
- Opp, M. R. *see* Galusha, J. G.
- Oring, L. W. 1962. Observations on the birds of southeastern Idaho. **43**:40-50.
- Osborne, L. Y. *see* Osborne, T. O.
- Osborne, T. O. 1982. First record of a White Pelican in Alaska. **63**:98.
- . 1983. A northern sea lion rookery on the coast of Humboldt County, California. **64**:18-20.
- Osborne, T. O. and L. Y. Osborne. 1986. A Ross' Gull incursion into interior Alaska. **67**:63-64.
- Owens, T. E. *see* McAllister, K. R.
- P**
- Palmer, R. H. 1921. "Tumors" in jackrabbits. **2**(1):12.
- . 1923. Notes from Mexico. **4**(2):12-15.
- . 1926. Some Mexican observations. **7**:6-17.
- . 1926. Common winter birds of Puebla, Mexico. **7**:55-61.
- . 1927. Birds of the Olympic Peninsula of Washington, Part I. **8**:35-42.
- . 1927. Birds of the Olympic Peninsula of Washington, Part II. **8**:59-70.
- . 1928. Relative abundance of bird species in southeastern Idaho; Fresno County, California, Santa Clara County, California; and King County, Washington. **9**:28-38.
- Palo, G. J. 1972. Notes on the natural history of the killer whale, *Orcinus orca*, in Washington State. **53**:22-24.
- Parkman, C. H. 1950. Two uncommon birds from Westport, Washington. **31**:46.
- . 1950. Long-snouted dolphin taken at Westport, Washington. **31**:47.
- Patterson, J. R. and E. L. Bowhay. 1968. Four recent records of wolverine in Washington. **49**:12-13.
- Patterson, J. R. and F. C. ZwickeI. 1960. Opossum in Chelan County, Washington. **41**:15.
- Pattie, D. L. 1969. Behavior of captive marsh shrews (*Sorex bendirii*). **50**:27-32.
- Paul, A. 1962. Violet-green, Bank, and Rough-winged Swallows in the western Chilcotin District of British Columbia. **43**:16.
- . 1962. Solitaire singing and soaring. **43**:53.
- . 1963. Some observations on Cliff Swallows in the western Chilcotin District of British Columbia. **44**:9-10.
- . 1963. Some observations on Tree Swallows and finches in the western Chilcotin District of British Columbia. **44**:10-11.
- . 1963. Crow and hawk. **44**:35.
- . 1964. More range expansion of the House Finch. **45**:11.
- . 1964. Notes on *Leucosticte tephrocotis littoralis* Hepburn's Rosy Finch. **45**:28.
- . 1964. An extension of range for the Mockingbird in British Columbia. **45**:49.
- . 1964. The Lazuli Bunting at Kleena Kleene, B.C. **45**:50.
- . 1964. Sight records of Virginia's Warbler and Field Sparrow in British Columbia. **45**:17.
- . 1965. An aggressive owl. **46**:27-28.
- . 1968. Pine Siskins in British Columbia. **49**:24.
- . 1969. Survival of Western Grebe in minus fifty degree temperature. **50**:36.
- Paullin, D. G. *see* Ivey, G. L.
- . *see* Thompson, S. P.
- Paullin, D. G., G. L. Ivey and C. D. Littlefield. 1988. The re-establishment of American White Pelican nesting in the Malheur-Harney Lakes Basin, Oregon. **69**:61-64.
- Paullin, D. G. and E. Kridler. 1988. Spring and fall migration of Tundra Swans dyed at Malheur National Wildlife Refuge, Oregon. **69**:1-9.
- Peake, A. 1929. Golden Eagle attacks sheep. **10**:41.
- . 1930. Have we a mole on Vancouver Island? **11**(2):17-18.
- Pearse, T. 1923. Some notes on the 1923 spring migration on Vancouver Island. **4**(2):6-8.
- . 1929. Feeding habits of the American Crossbill. **10**:65-66.
- . 1930. Western range of the Eastern Kingbird. **11**(2):16.
- . 1931. The Burrowing Owl on Vancouver Island, B.C. **12**:81-82.
- . 1931. Eastern Kingbird on Vancouver Island, B.C. **12**:83.
- . 1932. Black-throated Gray Warbler on Vancouver Island, B.C. **13**:53-54.
- . 1932. Hepburn's Rosy Finch on Vancouver Island in winter. **13**:54.
- . 1933. Display of Winter Wren. **14**:45.
- . 1933. Unusual site for Killdeer's nest. **14**:45.
- . 1934. Display of Harris Woodpecker. **15**:25-26.
- . 1934. Food of the Flicker. **15**:26.
- . 1935. Red Phalaropes on Vancouver Island. **16**:16-17.
- . 1935. Sex ratio in birds. **16**:17.
- . 1935. Duck Hawk taking prey on water. **16**:71.
- . 1935. Display of the Band-tailed Pigeon. **16**:71-72.
- . 1937. Feeding habits of the Red-shafted Flicker. **18**:30.
- . 1937. Notes on Harris's and Gairdner's Woodpeckers. **18**:31.
- . 1937. Pairing of Glaucous-winged Gulls. **18**:31.
- . 1937. Predators and prey—Bald Eagles. **18**:31-32.

- . 1938. A remarkable influx of Ravens into the Comox District, Vancouver Island, B.C. **19**:11-13.
- . 1938. Crested Mynah (Japanese Starling) on Vancouver Island, B.C. **19**:18.
- . 1939. Reaction of other birds to predators. **20**: 42.
- . 1939. Siskins numerous on Vancouver Island, B.C. **20**:43.
- . 1940. Redhead Duck on Vancouver Island. **21**: 10.
- . 1940. Precarious status of the Band-tailed Pigeon (*Columba fasciata fasciata*) on Vancouver Island. **21**:10-11.
- . 1942. Notes on the migration of ducks on the east coast of Vancouver Island, B.C. **23**:14-16.
- . 1942. Late nesting of Townsend Solitaire and Crossbill. **23**:77.
- . 1942. Longevity determined by banding. **23**: 77.
- . 1944. Display actions of Rufous Hummingbird and late record on Vancouver Island. **25**:11.
- . 1946. Notes on changes in bird populations in the vicinity of Comox, Vancouver Island, 1917-1944. **27**:4-9.
- . 1946. Nesting of Western Gull off the coast of Vancouver Island, British Columbia, and possible hybridization with Glaucous-winged Gull. **27**:39-40.
- . 1947. Abnormal plumage of Glaucous-winged Gulls. **28**:39-40.
- . 1950. Parasitic birds. **31**:14.
- . 1955. Sight record of the Mourning Dove near Comox, B.C. **36**:11.
- . 1955. The type of the Marbled Murrelet. **36**: 14-17.
- . 1956. Changes in breeding populations of pelagic birds in the Gulf of Georgia, B.C. **37**:22-23.
- . 1960. Notes on the Cedar Waxwing. **41**:27-28.
- . 1968. Feeding habits of the Sanderling and Lesser Yellowlegs. **49**:13-14.
- Pearson, J. P. and B. J. Verts. 1970. Abundance and distribution of harbor seals and northern sea lions in Oregon. **51**:1-5.
- Pedersen, M. *see* Beach, R. J.
- Pedersen, R. 1966. Nesting behavior of Townsend's mole. **47**:47-48.
- Pedersen, R. J., A. W. Adams and L. D. Bryant. 1975. Observations on birds of the Blue Mountains. **56**(1):7-10.
- Pedersen, R. J., A. W. Adams and W. Williams. 1974. Black bear predation on elk calf. **55**:28.
- Penland, S. T. 1981. Natural history of the Caspian Tern in Grays Harbor, Washington. **62**:66-72.
- . 1982. Distribution and status of the Caspian Tern in Washington State. **63**:73-79.
- Penland, S. T. and S. J. Jeffries. 1977. New breeding records for the Ring-billed Gull in Washington. **58**:86-87.
- Penttila, H. E. *see* Wick, W. Q.
- Perkins, J. M. and S. P. Cross. 1988. Differential use of some coniferous forest habitats by hoary and silver-haired bats in Oregon. **69**:21-24.
- Perkins, K. M. *see* Yocom, C. F.
- Perkins, R. 1964. The electrophoretic patterns of the serum proteins and hemoglobins of the genus *Larus*. **45**:26-28.
- Perleberg, R. L. *see* Fielder, P. C.
- Perry, A. E. *see* Lindsay, S. L.
- Perry, M. L. 1939. Notes on a captive badger. **20**:49- 53.
- Peterson, L. C. *see* Klaver, R. W.
- Phillips, R. E. and G. D. Carter. 1957. Winter food of Western Grebes. **38**:5-6.
- Pike, G. C. *see* Guiguet, C. J.
- Pillmore, R. E. *see* Royall, W. C., Jr.
- Pillsbury, R. W. 1950. Early spring feeding of the Rufous Hummingbird on the coast of southern British Columbia. **31**:45.
- Pimentel, R. A. 1949. Black rat and roof rat taken in the central Oregon Coast strip. **30**:52.
- Pitcher, K. W. and F. H. Fay. 1982. Feeding by Steller sea lions on harbor seals. **63**:70-71.
- Pitman, R. L. *see* Speich, S. M.
- Plowden-Wardlaw, W. J. 1941. Birds collected off the west coast of Vancouver Island. **22**:37.
- . 1944. Northern extension of Canon Wren in British Columbia. **25**:46.
- . 1945. A note on the distribution of the subspecies of *Perisoreus canadensis*. **26**:30.
- Pope, P. 1948. European Starling at Walla Walla, Washington. **29**:29.
- Post, M. *see* Yensen, E.
- Powell, D. *see* Kaiser, G. W.
- Powers, L. R. 1969. Sight record of the Blue Grosbeak in Idaho. **50**:20-21.
- . 1971. Blue Grosbeak in Idaho. **52**:26.
- . 1985. A third Idaho record of the Ovenbird. **66**:93.
- . *see* Craig, T. H.
- . *see* Roth, D.
- . *see* Sonnenberg, E. L.
- Powers, L. R. and T. H. Craig. 1976. Status of nesting Ferruginous Hawks in the Little Lost River Valley and vicinity, southeastern Idaho. **57**:46-47.
- Powers, L. R., K. R. Fulcher and J. C. Doramus. 1984. Nesting tenacity of a hummingbird. **65**:53.
- Powers, L. R., D. Gertson and J. L. Demmer. 1981. A natural hazard to small birds. **62**:23-24.
- Powers, L. R. and C. H. Trost. 1977. Early records of avifauna from a 1907 scientific expedition into Idaho. **58**:87-88.
- Prater, W. N. 1950. Pacific Loon found near Ellensburg, Washington. **31**:47.
- Pratt, K. A. and R. L. Knight. 1981. Abnormal incisor growth in a hoary marmot. **62**:92.

- Price, B. *see* Maser, C.
- Prouty, R. M. *see* Henny, C. J.
- Pruitt, W. O., Jr. 1957. A high altitude weasel. **38**:36.
- R**
- Racey, K. 1921. Note on swans. **2**(1):6.
- . 1921. Notes from Vancouver, B.C. **2**(1):13.
- . 1921. Northwest Coast Heron (*Ardea herodias fannini*) at Vancouver, B.C. **2**(3):6.
- . 1921. Franklin's Grouse (*Canachites franklini*), in British Columbia. **2**(3):6.
- . 1922. Christmas bird census at Vancouver, B.C. **3**(1):20.
- . 1922. Notes on the Rough-legged Hawk (*Archibuteo lagopus santi-johannis*). **3**(2):6.
- . 1922. Notes referring to nesting of Pigeon Guillemots (*Cephus columba*) on Passage Island, B.C. **3**(3):10.
- . 1924. Snow Goose (*Chen hyperboreus hyperboreus*) near Vancouver, B.C. **5**(1):10.
- . 1924. Japanese Starling in Vancouver, B.C. **5**(2):12.
- . 1925. Nesting of the Pipit near Vancouver, B.C. **6**:42.
- . 1928. Notes on *Phenacomys intermedius*. **9**:54-56.
- . 1929. Observations on *Neurotrichus gibbsii gibbsii*. **10**:61-62.
- . 1930. Effect of fuel oil on sea birds. **11**(1):22.
- . 1930. Peace River District notes. **11**:70-71.
- . 1930. Occurrence of the Townsend mole in British Columbia. **11**:74-75.
- . 1931. Scientific bird collecting in British Columbia. **12**:18-20.
- . 1933. Pacific pallid bat in British Columbia. **14**:18.
- . 1938. Methods of preserving birds and mammals. **19**:14-15.
- . 1939. Bald Eagle with Willow Grouse. **20**:10.
- . 1945. Bird nesting notes from western British Columbia. **26**:38,46.
- . 1950. Status of the European Starling in British Columbia. **31**:30-31.
- . 1950. Black Pigeon Hawk in Vancouver City. **31**:31.
- . 1953. Cottontail rabbit in British Columbia. **34**:9-10.
- . 1953. Townsend Solitaire in North Vancouver, B.C. **34**:47.
- . 1958. Bird notes from Huntington. **39**:25.
- . 1960. Notes relative to the fluctuation in numbers of *Microtus richardsoni richardsoni* about Alta Lake and Pemberton Valley, B.C. **41**:13-14.
- Raice, L. E. *see* Wheeler, R. J.
- Rand, A. L. 1942. On some British Columbia bats. **23**: 83-84.
- Rankin, J. S., Jr. 1945. Ecology of the helminth parasites of small mammals collected from Northrup Canyon, Upper Grand Coulee, Washington. **26**: 11-14.
- Rankin, L. *see* Vermeer, K.
- Ransom, W. H. 1925. Old Squaw Duck taken in Franklin County, Washington. **6**:11.
- . 1926. Bobolink taken in Spokane County, Wash. **7**:15.
- . 1929. Miscellaneous avifaunal observations No. 1. **10**:34-37.
- . 1929. Menace of lighted towers to birds. **10**: 39.
- . 1932. Miscellaneous avifaunal observations No. 2. **13**:50-52.
- . 1932. Autumn record for marmot in western Montana. **13**:56.
- . 1938. Yellow Rail (*Coturnicops noveboracensis*) recorded in the State of Washington. **19**:16.
- . 1942. Early spring records for ground squirrels in Washington. **23**:62.
- . 1948. European Starling taken in Cowlitz County, western Washington. **29**:28-29.
- . 1950. Some observations of winter waterfowl at Green Lake Refuge, Seattle, Washington. **31**: 35.
- . 1950. Memorial Day, 1950, inventory of wild ducks, geese and coots at Green Lake, Seattle, Washington. **31**:48.
- . 1954. English Sparrows and other birds eating tent caterpillars. **35**:14.
- . 1955. Another White-throated Sparrow recorded for State of Washington. **36**:11.
- Rapraeger, E. F. *see* Griffee, W. E.
- Rathbun, S. F. 1920. An early April trip to the Lake Crescent region, Olympic Peninsula, Washington. **1**(1):5-6.
- . 1921. Note on a Snow Bunting. **2**(1):5.
- . 1921. A day's trip to Mount Si, Cascade Mountains. **2**(3):9-10.
- . 1922. Notes on ducks and wild pigeons. **3**(2): 7.
- . 1922. Some notes on the Vaux Swift (*Chaetura vauxi*) at Seattle, Washington. **3**(2):11-14.
- . 1922. New and unusual records for western Washington. **3**(3):4.
- . 1927. Casual and accidental occurrences of certain species of land birds in the northwestern portion of the State of Washington. **8**:29-34.
- . 1934. Notes on the speed of birds in flight. **15**:23-24.
- . 1935. Unusual places chosen by birds for nesting purposes. **16**:38-39.
- . 1946. Ode to a Black Swift. **27**:38.
- Rausch, R. L. 1953. On the land mammals of St. Lawrence Island, Alaska. **34**:18-26.
- . 1961. Notes on the collared pika, *Ochotona collaris* (Nelson), in Alaska. **42**:22-24.

- . 1967. New records of the pigmy shrew *Microtus hoyi* (Baird) in Alaska. **48**:9-10.
- Ray, R. T. *see* Stinson, C. H.
- Redmond, R. L. 1982. Photographic record of a Whimbrel in Idaho. **63**:68.
- Reichel, J. D. *see* Johnson, R. E.
- . *see* Stinson, D. W.
- . *see* Wilson, C.
- Reimchen, T. 1980. Sightings of Risso's dolphins (*Grampus griseus*) off Queen Charlotte Islands, British Columbia. **61**:44-45.
- Retfalvi, L. 1963. Notes on the birds of San Juan Islands, Washington. **44**:12-13.
- Reynolds, E. E. 1975. The preputial muscle, protractor portion, of *Procyon lotor*. **56**(1):5-6.
- Reynolds, R. T. 1970. Nest observations of the Long-eared Owl (*Asio otus*) in Benton County, Oregon, with notes on their food habits. **51**:8-9.
- Reynolds, R. T. and E. Forsman. 1971. A recent occurrence of a colony of White-throated Swifts in central Oregon. **52**:13-14.
- Reynolds, T. D. *see* Laurance, W. F.
- Rice, D. W. *see* Kenyon, K. W.
- Rich, T. 1985. The organization and structure of Sage Sparrow song: locatability, distance transmission, and contrast. **66**:1-10.
- . 1985. A Sage Thrasher nest with constructed shading platform. **66**:18-19.
- Rich, T., L. Mangan and S. Langenstein. 1987. Nocturnal flushing behavior of some shrubsteppe passerines. **68**:31-32.
- Rich, T. and B. Trentlage. 1981. Second breeding locale for the Blue Grosbeak in Idaho. **62**:91-92.
- . 1983. Caching of long-horned beetles (Cerambycidae: *Priionus integer*) by the Burrowing Owl. **64**:25-26.
- Richardson, F. 1956. Sea birds affected by oil from the freighter Seagate. **37**:20-22.
- . 1957. A partially white Pelagic or Baird's Cormorant. **38**:4.
- . 1957. Sandhill Cranes near Snohomish, Washington. **38**:36-37.
- . 1957. Cooper's Hawk knocked down by Crows. **38**:37.
- . 1959. Winter roost of Starlings at Union Bay, Seattle. **40**:8-9.
- . 1967. Black Tern nest and egg moving experiments. **48**:52-56.
- . 1971. Birds of Grant Bay and Browning Inlet, northwest Vancouver Island, British Columbia, a year's phenology. **52**:29-40.
- . 1972. Errata. **53**:14.
- Richardson, H. *see* James, P. C.
- Rickard, B. J. *see* Rickard, W. H.
- Rickard, W. H. 1964. Bird surveys in cottonwood-willow communities in winter. **45**:22-25.
- . *see* Hedlund, J. D.
- Rickard, W. H. and R. E. Nakatani. 1966. The length of deer mice in relation to natural vegetation belts in southeastern Washington and northern Idaho. **47**:49-50.
- Rickard, W. H. and B. J. Rickard. 1972. A comparison of winter bird populations after a decade. **53**:42-47.
- Rieck, C. A. 1962. A Common Egret in western Washington. **43**:52.
- . 1963. An occurrence of black-tailed deer antlers resembling white-tailed deer antlers. **44**:21-22.
- . 1966. Mallard introductions and ecological changes from fertilization on a beaver pond. **47**:66-72.
- . *see* Martinsen, C. F.
- Rieck, C. A. and E. R. Brown. 1971. Example of antler variation in black-tailed deer. **52**:10-12.
- Rieck, C. A., E. S. Dziedzic and R. G. Jeffrey. 1971. A high density of Pheasants at Seattle, Washington. **52**:7-9.
- Risser, A. C., Jr. *see* Blaustein, A. R.
- Ritcey, R. W. *see* Miller, R. G.
- Ritchie, R. J. 1978. Probable Common Flicker nest on the north slope of the Brooks Range, Alaska. **59**:31-33.
- Ritchie, R. J., J. A. Curatolo and F. L. Craighead. 1982. First Townsend's Solitaire nest records for Alaska. **63**:94-95.
- Roberts, B. 1985. Glaucous-winged Gulls prey on feral rabbits on Middleton Island, Alaska. **66**:24.
- Roberts, H. B. 1972. New grebe colony at David Lake, Oregon. **53**:35.
- Rodway, M. *see* Butler, R. W.
- Rohweder, R., J. Melland and C. Maser. 1979. A new record of Washington ground squirrels in Oregon. **60**:28-29.
- Rohwer, S. 1984. Another Boreal Owl (*Aegolius funereus*) from the Pribilof Islands. **65**:59.
- . 1985. Replacement male Red-winged Blackbirds fail to kill unrelated offspring. **66**:37-43.
- Rohwer, S., D. F. Martin and G. G. Benson. 1979. Breeding of the Black-necked Stilt in Washington. **60**:67-71.
- Rosapepe, J. V. *see* DeGange, A. R.
- Rosenberg, G. A. *see* Stern, M. A.
- Roth, D. and L. R. Powers. 1979. Comparative feeding and roosting habits of three sympatric owls in southwestern Idaho. **60**:12-15.
- Rowe, R. A. 1941. The receding range of the timber wolf in western Oregon. **22**:52-54.
- . 1942. A recent record of the timber wolf in western Oregon. **23**:11.
- . 1943. A record of Emperor Geese in southwestern Oregon in April, 1943. **24**:29.
- Royal, L. A. 1939. Feeding habits of the Sanderling at Copalis Beach, Washington. **20**:25.
- Royall, W. C., Jr. and R. E. Pillmore. 1968. House Wren feeds Red-shafted Flicker nestlings. **49**:4-6.

- Rozdilsky, J. *see* Martin, J. E.
- Runyan, C. S. 1976. Scavenging behavior at a Peregrine Falcon kill. 57:50-51.
- Russell, R. J. and S. Anderson. 1956. Small mammals from Silver Bow County, Montana. 37:2-3.
- Rylander, M. K. 1967. The electrophoretic patterns of the serum proteins of the genera *Erolia* and *Erunesetes* (family Scolopacidae). 48:39-40.
- S**
- Sakaguchi, F. D. *see* Lannoy, S. L.
- Salter, R. L. 1948. Unusual flight behavior of Black Terns. 29:49.
- Sanborn, C. C. 1953. April record of silver-haired bat in Oregon. 34:32.
- Sanger, G. A. 1964. A possible sight record of a Short-tailed Albatross. 45:47.
- _____. 1965. Observations of wildlife off the coast of Washington and Oregon in 1963, with notes on the Laysan Albatross (*Diomedea immutabilis*) in this area. 46:1-6.
- _____. 1965. Behavioral note on Black-footed Albatrosses at sea. 46:45.
- _____. 1972. Checklist of bird observations from the eastern North Pacific Ocean, 1955-1967. 53:15-21.
- Sarles, J. G. 1963. Colour-banded Glaucous-winged Gulls. 44:17.
- Sauve, T. W. *see* Dobler, F. C.
- Sawyer, E. J. 1941. On drawing and painting birds. 22:26-29.
- _____. 1943. A theory on the tipping and bobbing habit in birds. 24:25-26.
- _____. 1944. Aerial antics of a heron. 25:14.
- _____. 1946. A mink-muskrat incident. 27:2-3.
- _____. 1955. "The peculiar death of a Red-eyed Vireo"—a possible explanation. 36:44.
- _____. 1964. Non-aggression in the Cowbird (*Molothrus ater*). 45:49.
- Scattergood, L. W. 1948. Autumn census of Lake Washington waterfowl in 1937. 29:5-8.
- _____. 1949. Notes on the little piked whale. 30:3-16.
- Schamberger, M. 1972. Albinism in *Mustela erminea*. 53:9-10.
- _____. 1972. Evidence of injury in the mountain goat. 53:11.
- Scheffer, T. H. 1921. Mammal notes. 2(2):6-7.
- _____. 1923. Pocket mice notes. 4(1):12.
- _____. 1923. Pocket gopher notes. 4(1):12.
- _____. 1923. On certain food habits of the gray squirrel. 4(2):10-11.
- _____. 1923. Mouse remains from nests of Burrowing Owls. 4(3):18.
- _____. 1923. Breeding of the pocket mouse near Lind, Washington. 4(3):18.
- _____. 1924. Breeding habits of the mole and gopher. 5(1):3-4.
- _____. 1924. Notes on the pocket mouse. 5(1):7.
- _____. 1924. Magpies on west coast of Washington. 5(2):11.
- _____. 1924. Note on nest of White-rumped Shrike near Kennewick, Washington. 5(2):11.
- _____. 1924. Badger diggings in Yakima Valley, Washington. 5(2):11.
- _____. 1924. Activity of the pocket mouse. 5(3):10.
- _____. 1925. Nests of the California gray squirrel. 6:40.
- _____. 1926. Thicket sanctuary. 7:8.
- _____. 1926. Parasitic flies on English Sparrow. 7:68.
- _____. 1927. Colonizing beavers. 8:78.
- _____. 1928. Dealing with the seals and sea-lions of the Northwest. 9:57-59.
- _____. 1930. Bat matters. 11(2):11-13.
- _____. 1931. A freak skull of the California ground squirrel. 12:23.
- _____. 1931. A week with the Mynah birds at Vancouver Island, British Columbia. 12:84-85.
- _____. 1932. Weasels and snakes in gopher burrows. 13:54-55.
- _____. 1933. Replacement-and-increase ratio in species. 14:51-54.
- _____. 1933. Breeding of the Washington varying hare. 14:77-78.
- _____. 1934. Some food resources of our waterfowl in the Pacific Northwest. 15:62-68.
- _____. 1935. Introduced food plants for waterfowl. 16:66-69.
- _____. 1936. Aestivation and hibernation period of the smaller ground squirrels in the Pasco-Kennewick country, eastern Washington. 17:17-18.
- _____. 1936. Cooking the Coot, or what's in a name. 17:54.
- _____. 1939. The present outlook for our waterfowl. 20:40-41.
- _____. 1945. Burrow associations of small mammals. 26:24-26.
- _____. 1948. Mound construction of the pocket gopher. 29:9-10.
- _____. 1952. Spring incidence of damage to forest trees by certain mammals. 33:38-41.
- _____. 1955. Present status of the introduced English Skylark on Vancouver Island and of the Chinese Mynah on the Vancouver mainland. 36:28-29.
- _____. *see* Johnson, M. L.
- Scheffer, V. B. 1934. Notes from Mount Rainier, Washington, 1934. 15:81.
- _____. 1938. Notes on wolverine and fisher in the State of Washington. 19:8-10.
- _____. 1939. The os clitoridis of the Pacific otter. 20:20-21.
- _____. 1939. Fur seal in Willapa Harbor. 20:43.
- _____. 1939. Organisms collected from whales in the Aleutian Islands. 20:67-69.

- . 1940. A tip on cleaning mammal skulls with the aid of dermestid beetles. 21:10.
- . 1940. A Nootka trap for small mammals. 21: 71-72.
- . 1941. Wolverine captured in Okanogan County, Washington. 22:37.
- . 1942. Sea birds eaten by Alaska cod. 23:17.
- . 1942. A list of the marine mammals of the west coast of North America. 23:42-47.
- . 1943. The opossum settles in Washington State. 24:27-28.
- . 1944. Another instance of fish preying on sea birds. 25:14.
- . 1945. An 1884 list of the birds and mammals of Washington. 26:29-30.
- . 1946. How deep will a fur seal dive? 27:25.
- . 1950. Grizzly bear killed in Washington. 31: 15.
- . 1950. Porpoises assembling in the north Pacific Ocean. 31:16.
- . 1953. Measurements and stomach contents of eleven delphinids from the northeast Pacific. 34: 27-30.
- . 1960. A dolphin *Stenella* from Washington State. 41:23.
- . 1961. Encounter between Townsend moles. 42:10.
- . 1964. Deep diving of elephant seals. 45:9.
- . 1967. Probable mating of otter on Lopez Island, Washington. 48:20.
- . 1974. February birth of Mexican harbor seals. 55:44.
- . 1977. Newborn harbor seals on the Pribilof Islands, Alaska. 58:44.
- . see Dalquest, W. W.
- . see Kellogg, R.
- . see Kenyon, K. W.
- Scheffer, V. B. and W. W. Dalquest. 1939. Present distribution of the Douglas ground squirrel in Washington. 20:44.
- Scheffer, V. B. and K. W. Kenyon. 1963. Elephant seal in Puget Sound, Washington. 44:23-24.
- Schmoe, F. W. 1926. Gull observed in Rainier National Park. 7:64.
- . 1926. Nesting notes on the Water Ouzel. 7: 67.
- Schreiber, R. K. 1972. Recent sightings of Blue Geese in Washington. 53:36-37.
- Schribner, D. 1933. An observation on the foraging activities of the pocket gopher. 14:18.
- Schrock, M. 1958. Partial albino Junco nesting. 39:10.
- Schroeder, G. J. see Melquist, W. E.
- Schroeder, G. J. and W. E. Melquist. 1974. Additional Band-tailed Pigeon sightings in Idaho. 55:27-28.
- Schultz, G. A. 1978. Barrow's Goldeneyes nesting in central Idaho. 59:107-108.
- Schultz, Z. M. 1951. Growth in the Glaucous-winged Gull, Part I. 32:35-42.
- . 1951. A record of *Larus leucopterus* from Westport, Washington. 32:44.
- . 1952. Growth in the Glaucous-winged Gull, Part II. 33:2-8.
- . 1955. Odd fatalities in Ruddy Ducks. 36:41.
- . 1955. A sight record of the Pomarine Jaeger at Harper, Kitsap County, Washington. 36:41.
- . 1956. An apparently undescribed behavior of the male Calliope Hummingbird. 37:11.
- . 1958. The common Purple Finch (*Carpodacus purpureus*) in the arid transition of eastern Washington. 39:10.
- . 1958. Sight record of a hybrid male Goldeneye. 39:11.
- . 1958. Notes on the White-crowned Sparrows (*Zonotrichia leucophrys*) of Washington State. 39: 11-12.
- . 1966. Sight record of a Common Grackle (*Quiscalus quiscula*) in Seattle, Wash. 47:19-20.
- . 1967. Sight record of Tree Sparrows in Skagit County, Washington. 48:17.
- . 1967. Sight records of Franklin's and Sabine's Gulls in Seattle, Washington. 48:19.
- . 1967. Sight record of Yellow-headed Blackbird at Westport, Washington. 48:20.
- . 1970. The occurrence of the Yellow-billed Loon in Washington. 51:23.
- . 1970. Sight records of the Tufted Duck (*Aythya fuligula*) at Seattle, Washington. 51:25.
- . 1970. A sight record of Semipalmated Sandpipers at Protection Island, Washington. 51:25-26.
- . see McMannama, Z.
- Schwab, E. R. III. see Amlaner, C. J., Jr.
- Schwartzze, C. D. and G. D. Alcorn. 1960. House Finches' feeding menaces cultivated blueberries. 41:7-9.
- Scott, J. M. see Bertrand, G. A.
- Scott, J. M. and T. W. Haislip, Jr. 1969. An Oregon record of the Emperor Goose. 50:38.
- Scott, J. M., W. Thackaberry and G. A. Bertrand. 1971. A specimen of the Black-throated Sparrow from western Oregon. 52:41.
- Sealy, S. G. 1967. Sight records of three new birds on St. Lawrence Island, Alaska. 48:18.
- . 1982. Voles as a source of egg and nestling loss among nesting auklets. 63:9-14.
- . 1984. Capture and caching of flying carpenter ants by Pygmy Nuthatches. 65:49-51.
- . 1984. Interruptions extend incubation by Ancient Murrels, Crested Auklets, and Least Auklets. 65:53-56.
- . see Carter, H. R.
- . see Hobson, K. A.
- Sealy, S. G. and N. Gessler. 1988. A specimen of the Long-eared Owl from the Queen Charlotte Islands, British Columbia. 69:27-28.
- Sedinger, C. M. see Sedinger, J. S.

- Sedinger, J. S. and C. M. Sedinger. 1984. Pomarine Jaeger attacks Glaucous Gull. **65**:52.
- Seidensticker, J. C., IV. 1968. Notes on the food habits of the Great Horned Owl in Montana. **49**:1-3.
- . 1970. Food of nesting Red-tailed Hawks in south-central Montana. **51**:38-40.
- Senger, C., R. Senger, D. Senger and S. Senger. 1972. Notes on the bat *Plecotus townsendi* in western Washington. **53**:10-11.
- Senger, C. M. 1974. Winter records of myotid bats in western Washington. **55**:13-14.
- . 1975. A shrew feeding in a shrub. **56**(1):13.
- Senger, D. *see* Senger, C.
- Senger, R. *see* Senger, C.
- Senger, S. *see* Senger, C.
- Servheen, C. 1978. Mountain beaver as a prey species of the Golden Eagle. **59**:77.
- Shaver, C. *see* Maser, C.
- Shaver, S. *see* Maser, C.
- Shaw, W. T. 1920. A mid-morning at Barron. **1**(2):5-6.
- . 1925. Notes on the ecology of the Columbian ground squirrel (*Citellus columbianus columbianus*) at Pullman, Washington. **6**:46-54.
- . 1927. Notes from Whitman County, Washington. **8**:17.
- . 1930. The lemming mouse in North America and its occurrence in the State of Washington. **11**(2):7-10.
- . 1933. Poor-Wills and the motor car. **14**:44.
- . 1934. Nesting of the Hepburn Rosy Finch on Mount Baker, Washington. **15**:79.
- . 1944. Odd nesting site of the Northern Violet-green Swallow. **25**:13.
- . 1947. Relative weights: Ross Snow Goose and Mallard. **28**:21.
- Shaw, W. T. and W. C. Moore. 1934. Field conditions on Mount Baker, Washington, during the season 1933-1934: a comparison. **15**:54.
- Shea, D. S. 1973. White-tailed deer eating salmon. **54**:23.
- Sheperd, D. A. 1988. Foraging interactions among Black-billed Magpies, Northwestern Crows, and red foxes on Kodiak Island, Alaska. **69**:68-69.
- Shepard, M. G. 1976. Notes on the Laysan Albatross, New Zealand Shearwater, and Skua in the North Pacific Ocean. **57**:48-49.
- Sheppe, W. A., Jr. 1959. Notes on the distribution and habitats of mammals in the Pacific Northwest. **40**:1-4.
- Sherrell, P. E. 1969. A new locality record for *Phenacomys albipes*. **50**:39.
- Shields, M. 1969. Activity cycles of Snowy Owls at Barrow, Alaska. **50**:14-16.
- Shook, R. S. *see* Barrentine, C. D.
- Shook, R. S., C. D. Barrentine and E. R. Smith. 1982. Winter American Dipper sightings in the Columbia Basin of central Washington. **63**:98-99.
- Simons, L. H. 1988. Apparent strangulation of an adult deer by a coyote. **69**:48-50.
- Simons, T. R. 1981. A simple event recorder for monitoring cavity-dwelling animals. **62**:27-30.
- Simpson, B. 1976. Sight record of a Black-and-white Warbler (*Mniotilla varia*) in Whitman County, Washington. **57**:66-67.
- Sinsel, J. A. 1923. The Ash-throated Flycatcher at Yakima, Washington. **4**(3):18.
- . 1925. The Northwestern Horned Owl (*Bubo virginianus lagaphonus*) in Yakima County, Washington. **6**:58.
- Sirk, G. P. *see* Campbell, R. W.
- . *see* Cannings, R. J.
- Skibinski, C. *see* Werschkul, D.
- Skidmore, J. S. *see* Everitt, R. D.
- Skinner, M. P. 1936. The Roosevelt elk of the Olympic Peninsula. **17**:30-35.
- Slipp, J. W. 1941. Breeding of the Shoveller in western Washington. **22**:32-35.
- . 1941. Notes on the Red Phalarope in the Northwest. **22**:38.
- . 1941. Notes on the Mourning Dove in the Northwest. **22**:59-60.
- . 1941. Notes on the Stilt Sandpiper in Washington and Nevada. **22**:61-62.
- . 1942. Franklin Gull in the State of Washington. **23**:18.
- . 1942. Cassin Auklet and Ancient Murrelet on Puget Sound. **23**:18-19.
- . 1942. Further notes on the Wilson Phalarope in western Washington. **23**:19.
- . 1942. California Brown Pelican on southern Puget Sound. **23**:20.
- . 1942. The tube-nosed swimmers of Puget Sound. **23**:54-59.
- Slipp, J. W. and M. R. Flahaut. 1941. On the swimming of Great Blue Herons. **22**:55-56.
- . 1941. Sabine's Gull on Puget Sound. **22**:61.
- Sloanaker, J. L. 1926. Bird notes from eastern Washington. **7**:36-37.
- . 1926. Down the Grand Coulee to Moses Lake. **7**:65.
- . 1940. Spokane Bird Club observations. **21**:48.
- . 1941. An interesting hybrid duck. **22**:20.
- . 1941. Spokane Bird Club notes. **22**:39-40.
- Smith, A. T. 1979. Equilibrium population structure of pikas. **60**:29-31.
- Smith, D. W. *see* McKelvey, R. W.
- Smith, D. G. *see* Knight, R. L.
- Smith, D. G. and C. R. Wilson. 1971. Tenacity of nesting Barn Owls. **52**:25.
- Smith, E. R. *see* Shook, R. S.
- Smith, G. W. *see* Blood, D. A.
- Smith, H. 1961. Summer record of Black Brant in Oregon. **42**:7.
- . 1962. Summer record of Black Brant in Oregon. **43**:16.

- Smith, J. M. *see* Klaver, R. W.
- Smith, J. L. *see* Mudd, D. R.
- Smith, J. L. and D. R. Mudd. 1978. Food of the Caspian Tern in Grays Harbor, Washington. **59**:105-106.
- Smith, L. H. 1937. Analysis of pellets of the Long-eared Owl. **18**:28-29.
- Smith, L. M. *see* Newman, J. R.
- Smith, R. B. *see* Lloyd, D. S.
- Smith, S. A. 1982. Observations of a captive Turkey Vulture attacking live prey. **63**:68-69.
- Smith, W. P. 1983. Cooperative harassment of a Pie-leaved Woodpecker by juvenile Sharp-shinned Hawks. **64**:97-98.
- . 1984. Observations of adult male-fawn associations in Columbian white-tailed deer. **65**:47-48.
- Solf, J. D. *see* Verner, J.
- Solf, J. D. and J. Verner. 1956. Sight record of the Ancient Murrelet in southeastern Washington. **37**:25-26.
- Sonnenberg, E. L. and L. R. Powers. 1976. Notes on the food habits of Long-eared Owls (*Asio otus*) in southwestern Idaho. **57**:63-64.
- Sooter, C. A. 1942. Surf Scoter in eastern Oregon. **23**:16.
- . 1944. Greater Yellowlegs with white wing patch. **25**:11.
- . 1944. Albinistic Brewer Blackbird and Treganza Heron. **25**:13.
- Sowls, A. L. *see* Nelson, J. W.
- Speich, S. M. *see* Fleming, T. L.
- Speich, S. M. and R. L. Pitman. 1984. River otter occurrence and predation on nesting marine birds in the Washington Islands Wilderness. **65**:25-27.
- Speich, S. M. and T. R. Wahl. 1986. Rates of occurrence of dead birds in Washington's inland marine waters, 1978 and 1979. **67**:51-59.
- Springer, H. K. *see* Kessel, B.
- Sprot, G. D. 1926. Mouse eaten by a Robin. **7**:65.
- . 1926. A Steller's Jay storing food. **7**:66.
- . 1928. Notes from southern Vancouver Island. **9**:20-21.
- Stalmaster, M. V. 1980. Salmon carrion as a winter food source for Red-tailed Hawks. **61**:43-44.
- Steel, P. E., P. D. Dalke and E. G. Bizeau. 1956. Annotated list of the avifauna in and around Gray's Lake, Idaho. **37**:4-10.
- Steele, R. C. 1922. Depredations of ducks. **3**(2):6.
- . 1922. Oregon notes. **3**(3):3-4.
- . 1923. European Widgeon in western Oregon. **4**(3):17.
- . 1924. Emperor Goose in Oregon. **5**(1):11.
- Steenhof, K. and M. N. Kochert. 1982. Nest attentiveness and feeding rates of Common Ravens in Idaho. **63**:30-32.
- Steiger, G. H. and J. Calambokidis. 1986. California and northern sea lions in southern Puget Sound, Washington. **67**:93-96.
- Stephens, D. A. *see* Yensen, E.
- Stern, M. A. *see* Cornely, J. E.
- Stern, M. A. and G. A. Rosenberg. 1985. Occurrence of a breeding Upland Sandpiper at Sycan Marsh, Oregon. **66**:34-35.
- Stern, M. A., T. G. Wise and K. L. Theodore. 1987. Use of a natural cavity by Bufflehead nesting in Oregon. **68**:50.
- Stewart, R. M. 1927. Marbled Murrelet taken at Harrison Lake, B. C. **8**:16.
- Stinson, C. H., J. Lauthner and R. T. Ray. 1988. Breeding behavior of Ospreys in northwestern Washington. **69**:24-27.
- Stinson, D. and J. D. Reichel. 1985. Rediscovery of the pygmy shrew in Washington. **66**:59-60.
- Stirling, D. 1960. Sight records of unusual birds in the Victoria area for 1959. **41**:10-11.
- . 1960. Notes from Saltspring Island. **41**:11.
- . 1961. Birds and insects at sapsucker workings. **42**:43.
- . 1961. A sight record of the Yellow-billed Loon, *Gavia adamsii*. **42**:44-45.
- . 1962. Another Western Grebe colony in British Columbia. **43**:51.
- . 1964. Western Grebe colony at Shuswap Lake re-visited. **45**:8-9.
- . 1965. Two new heron records for Vancouver Island. **46**:15.
- . 1965. A sight record of the Emperor Goose at Victoria, British Columbia. **46**:36.
- . 1968. Sight record of the Scissor-tailed Flycatcher, *Muscivora forficata*, on southern Vancouver Island. **49**:14.
- . 1970. A sight record of the Barred Owl on Vancouver Island. **51**:19.
- . *see* Campbell, R. W.
- . *see* Edwards, R. Y.
- Stirling, I. 1974. An overwintering walrus in the Beaufort Sea. **55**:40-41.
- Stone, C. P. *see* Mott, D. F.
- Storm, R. M. *see* Evenden, F. G., Jr.
- Stout, J. F. *see* Amlaner, C. J., Jr.
- . *see* Hayward, J. L., Jr.
- Stumpf, W. A. *see* Yocom, C. F.
- Stutz, S. S. 1965. Escape behavior of Common Merganser broods. **46**:47.
- . 1965. Size of Common Merganser broods. **46**:47-48.
- Sumich, J. L. 1984. Gray whales along the Oregon Coast in summer, 1977-1980. **65**:33.
- Summers, K. R. and R. H. Drent. 1979. Breeding biology and twinning experiments of Rhinoceros Auks on Cleland Island, British Columbia. **60**:16-22.
- Summers, K. R. *see* King, D. G.
- . *see* Vermeer, K.
- Sundberg, K. A. *see* Lloyd, D. S.

- Sutherland, J. B. and R. L. Crawford. 1979. Gray Jay feeding on slime mold. **60**:28.
- Svhla, A. 1930. Extension of the known range of the Olympic mountain beaver. **11**:75-76.
- _____. 1931. The Olympic red-backed mouse. **12**:54.
- _____. 1931. *Callospermophilus* climbing trees. **12**:80.
- _____. 1932. An albino Columbian ground squirrel taken near Pullman, Washington. **13**:55.
- _____. 1932. Notes on the meadow mouse (*Microtus oregoni oregoni* (Bachman)). **13**:94-95.
- _____. 1933. Notes on the deer mouse, *Peromyscus maniculatus oreas* (Bangs). **14**:13-14.
- _____. 1933. An abnormally colored Black-billed Magpie. **14**:44-45.
- _____. 1933. Occurrence of a colony of albino ground squirrels near Pullman, Washington. **14**:78.
- _____. 1934. The mountain water shrew. **15**:44-45.
- _____. 1936. The Hawaiian rat. **17**:2-14.
- _____. 1938. Occurrence of the lump-nosed bat in eastern Washington. **19**:18-19.
- _____. 1939. Breeding habits of Townsend's ground squirrel. **20**:6-10.
- _____. 1939. Occurrence of an albino mole. **20**:70.
- _____. 1941. The relation of water to dormancy in mammals. **22**:15-18.
- _____. 1941. Occurrence of another albino mole. **22**:36.
- _____. 1949. Notes on reproduction of the Peninsula bear. **30**:53-54.
- _____. 1952. The Ancient Murrelet at Mabton, Washington. **33**:12.
- Svhla, A. and E. J. Larrison. 1950. An abnormally colored Townsend chipmunk. **31**:9-11.
- Svhla, A. and R. D. Svhla. 1931. Mink feeding on clams. **12**:22.
- _____. 1932. The least weasel in the State of Washington. **13**:24.
- _____. 1932. Mammals of Clallam County, Washington. **14**:37-41.
- _____. 1940. Annotated list of the mammals of Whitman County, Washington. **21**:53-58.
- Svhla, R. D. *see* Svhla, A.
- Swanson, C. V. 1949. Sight record of European Widgeon in eastern Washington. **30**:40.
- _____. 1950. The introduced white-tailed deer in southeastern Washington. **31**:43-44.
- _____. 1951. A technique for age determination of elk (*Cervus canadensis*). **32**:19-22.
- Swanson, C. V. and R. G. Jeffrey. 1965. Pintail Duck breeding records in western Washington. **46**:12-14.
- T
- Tait, E. M. 1931. A late migration of the Robin observed in Okanagan Valley, B.C. **12**:24.
- Tarasoff, F. J. *see* Bigg, M. A.
- Taverner, P. A. 1935. Regarding Dowitchers. **16**:15.
- Taylor, D. M. 1984. Winter food habits of two sympatric owl species. **65**:48-49.
- Taylor, D. M. and C. H. Trost. 1987. The status of rare birds in Idaho. **68**:69-93.
- Taylor, W. P. 1920. Observations by our members with the U.S. Biological Survey party near the International Boundary, summer of 1920. **1(2)**:4.
- _____. 1921. The U.S. Biological Survey party. **2(3)**:7.
- _____. 1921. The Marbled Murrelet mystery. **2(3)**:8.
- _____. 1922. Work of the U.S. Biological Survey party. **3(1)**:8.
- _____. 1923. Upland game birds in the State of Washington, with a discussion of some general principles of game importation. **4(3)**:3-15, 19.
- _____. 1925. Old Squaw duck, Western Gull, and Glaucous Gull in Washington. **6**:32.
- Thackaberry, W. *see* Scott, J. M.
- Thacker, B. M. M. 1950. Easterly occurrence of the Least Bush-Tit in British Columbia. **31**:47.
- Thacker, Mrs. T. L. 1948. Sight record of Red-bellied Hawk at Hope, British Columbia. **29**:50.
- Thacker, T. L. 1938. Cedar Waxwings (*Bombycilla cedrorum*) feeding on water-lily pads. **19**:16.
- _____. 1944. Willow Goldfinch in western British Columbia. **25**:9.
- _____. 1944. Winter occurrences of bats at Hope, B.C. **25**:10.
- _____. 1951. Heliotropism in nestlings and young of Rufous Hummingbirds (*Selasphorus rufus*). **32**:28.
- Thaeler, C. S., Jr. 1977. Taxonomic status of *Thomomys talpoides confinus*. **58**:49-51.
- Theodore, K. L. *see* Stern, M. A.
- Thomas, B. 1970. Notes on the behavior of the killer whale *Orcinus orca* (Linneaus). **51**:11.
- Thompson, B. C. 1977. Behavior of Vaux's Swifts nesting and roosting in a chimney. **58**:73-77.
- Thompson, B. C. and C. L. Turner. 1980. Bull snake predation at a Cliff Swallow nest. **61**:35-36.
- Thompson, R. 1958. Gyrfalcon taken in eastern Washington. **39**:25.
- Thompson, S. P. *see* Cornely, J. E.
- _____. *see* Littlefield, C. D.
- Thompson, S. P. and D. K. McDermond. 1985. Summary of recent Northern Harrier nesting in western Washington. **66**:82-84.
- Thompson, S. P., D. K. McDermond, U. W. Wilson and K. Montgomery. 1985. Rhinoceros Auklet burrow count on Protection Island, Washington. **66**:62-65
- Thompson, S. P. and D. G. Paullin. 1985. First nesting record of the Cattle Egret in Oregon. **66**:28-29.
- Thoresen, A. C. and J. G. Galusha. 1971. A nesting population study of some islands in the Puget Sound area. **52**:20-23.
- Thorp, B. 1923. White ground squirrels in eastern Washington. **4**(2):15.

- Thorson, T. 1941. The occurrence of escaped parrots in and around Seattle. **22**:64.
- Throckmorton, M. 1953. Sight record of Yellow-shafted Flicker in southern Idaho. **34**:48.
- Thurow, T. L. and C. M. White. 1984. Nesting success and prey selection of Long-eared Owls along a juniper/sagebrush ecotone in southcentral Idaho. **65**:10-14.
- Tirre, W. J. 1947. The Emperor Goose at Seattle, Washington. **28**:41.
- Tobish, T. G. *see* Byrd, G. V.
- Tompa, F. S. *see* Zwickel, F. C.
- Tomrdle, D. W. *see* Allen, G. T.
- Toweill, D. E. 1986. Notes on the development of a cougar kitten. **67**:20-23.
- . *see* Van Horn, D.
- Toweill, D. E. and M. G. Henjum. 1978. Observation of coyote predation on Ring-necked Pheasants. **59**:30.
- . 1978. Reciprocal forehead rub observed in mule deer. **59**:33-35.
- . 1979. Eurasian Green-winged Teal observed at Lakeview, Oregon. **60**:77-79.
- Trentlage, B. *see* Rick, T.
- Trapp, J. L. *see* Nelson, J. W.
- Trost, C. H. *see* Findholt, S.
- . *see* Markham, O. D.
- . *see* Powers, L. R.
- . *see* Taylor, D. M.
- Troutman, B. L. *see* Allen, G. T.
- Turnbull, J. D. 1933. Observations at Vancouver, B.C. **14**:18.
- Turner, C. L. *see* Thompson, B. C.
- V
- Van Blaricom, G. R. *see* Jameson, R. J.
- Van Daele, H. A. *see* Van Daele, L. J.
- Van Daele, L. J. and H. A. Hafer. 1978. Stability in pika density. **59**:101.
- Van Daele, L. J. and H. A. Van Daele. 1980. Observations of breeding Bald Eagles in Idaho. **61**:108-110.
- Van Horn, D. 1978. First breeding record of a Blue Jay in Oregon. **59**:70.
- Van Horn, D. and D. J. Kelly. 1975. Fall and winter raptors of Turnbull National Wildlife Refuge, 1972 to 1973. **56**(3):12-16.
- Van Horn, D. and D. E. Toweill. 1977. Recent records of the Blue Jay (*Cyanocitta cristata*) in Oregon. **58**: 83-84.
- Van Velzen, A. C. 1969. Status of Yellow-headed Blackbird in western Washington. **50**:21.
- . 1973. Seasonal fluctuations of sandpipers in western Washington. **54**:1-3.
- Van Vuren, D. and M. P. Bray. 1985. The recent geographic distribution of *Bison bison* in Oregon. **66**: 56-58.
- Verbeek, N. A. M. 1965. European Widgeon in Montana. **46**:49.
- Verbeek, N. A. M. and J. L. Morgan. 1978. River otter predation on Glaucous-winged Gulls on Mandarte Island, British Columbia. **59**:92-95.
- Vermeer, K. 1969. Some aspects of the breeding chronology of Double-crested Cormorants at Lake Newell, Alberta in 1968. **50**:19-20.
- . 1977. Some observations on Arctic Loons, Brandt's Cormorants, and Bonaparte's Gulls at Active Pass, British Columbia. **58**:45-47.
- . 1977. Comparison of White Pelican recoveries from colonies east and west of the Canadian Rocky Mountains. **58**:79-82.
- . 1982. Comparison of the diet of the Glaucous-winged Gull on the east and west coasts of Vancouver Island. **63**:80-85.
- . 1983. Diet of the Harlequin Duck in the Strait of Georgia, British Columbia. **64**:54-57.
- . 1984. The diet and food consumption of nestling Cassin's Auks during summer, and a comparison with other plankton-feeding alcids. **65**: 65-77.
- Vermeer, K. and L. Cullen. 1982. Growth comparison of a plankton- and a fish-feeding alcid. **63**:34-39.
- Vermeer, K. and K. Devito. 1986. Size, caloric content, and association of prey fishes in meals of nestling Rhinoceros Auks. **67**:1-9.
- Vermeer, K. and M. Lemon. 1986. Nesting habits and habitats of Ancient Murres and Cassin's Auks in the Queen Charlotte Islands, British Columbia. **67**:33-44.
- Vermeer, K., D. A. Manuwald and D. S. Bingham. 1976. Seabirds and pinnipeds of Sartine Island, Scott Island group, British Columbia. **57**:14-16.
- Vermeer, K. and L. Rankin. 1984. Population trends in nesting Double-crested and Pelagic Cormorants in Canada. **65**:1-9.
- Vermeer, K., K. R. Summers and D. S. Bingham. 1976. Birds observed at Triangle Island, British Columbia, 1974 and 1975. **57**:35-42.
- Verner, J. 1953. Birds of Laird Park, Latah County, Idaho. **34**:6-8.
- . 1956. Another Idaho record of the Bronzed Grackle. **37**:36.
- . 1958. Franklin's Gull collected in southeastern Washington. **39**:13.
- . 1974. Notes on the current status of some birds of central Washington. **55**:19-22.
- . *see* Solf, J. D.
- Verner, J. and J. D. Solf. 1955. Breeding data from southeastern Washington. **36**:40-41.
- Verts, B. J. 1967. Summer breeding of brush rabbits. **48**:19.
- . 1975. New records for three uncommon mammals in Oregon. **56**(3):22-23.
- . 1988. Two bats caught on a plant. **69**:36-38.

- _____. *see* Chapman, J. A.
 _____. *see* Livezey, B. C.
 _____. *see* Pearson, J. P.
 Verts, B. J. and L. N. Carraway. 1980. Natural hybridization of *Sylvilagus bachmani* and introduced *S. floridanus* in Oregon. **61**:95-98.
 Verts, B. J., S. A. Ludwig and W. Graf. 1972. Distribution of eastern cottontail rabbits in Linn County, Oregon, 1953-1970. **53**:25-26.
 Vorwick, B. *see* Galusha, J. G.
 Vorwick, P. T. *see* Galusha, J. G.

W

- Wade, O. 1931. Notes on small mammals observed in the Tower Falls region, Yellowstone National Park, Wyoming. **12**:76-78.
 Wagner, E. D. 1942. A new locality record for the Blue Mountain jumping mouse. **23**:60.
 Wahl, T. R. 1972. Glaucous-winged Gull nesting at Lake Whatcom, Bellingham, Washington. **53**:51.
 _____. 1977. Sight records of some marine mammals offshore from Westport, Washington. **58**:21-23.
 _____. 1977. Notes on behavior of California Gulls and South Polar Skuas off the Washington Coast. **58**:47-49.
 _____. 1979. Observations of Dall's porpoise in the northwestern Pacific Ocean and Bering Sea in June 1975. **60**:108-110.
 _____. *see* Speich, S. M.
 Walker, A. 1940. Pallid Horned Lark in the Oregon Coast Range. **21**:48.
 _____. 1942. The fringed bat in Oregon. **23**:62.
 _____. 1955. Unusual bird records for western Oregon. **36**:29.
 _____. 1959. A large set of Avocet eggs. **40**:13.
 _____. 1961. Common Tern in Oregon. **42**:7.
 _____. 1972. The Least Tern in Oregon. **53**:52.
 Walker, E. P. 1922. The Kittlitz Murrelet in southeastern Alaska. **3**(2):9-10.
 Walker, K. M. 1940. Bullock's Oriole on the Oregon Coast. **21**:47.
 Walter, M. A. *see* Forsman, E. D.
 Walters, M. L. *see* Leder, J. E.
 Warburton, S., Jr. 1920. Notes from Westport, Washington. **1**(1):8.
 _____. 1920. Water bird notes. **1**(2):7-8.
 _____. 1925. Some winter notes from Tacoma, Washington. **6**:13.
 _____. 1925. Birds at Westport, Washington. **6**:62.
 _____. 1926. Notes from Grays Harbor County, Washington. **7**:43.
 _____. 1927. Winter record of the Sanderling at Grays Harbor, Washington. **8**:18.
 _____. 1928. Harlequin Ducks at Wapta Lake, B.C. **9**:70.
 _____. 1930. Nesting of the Pacific Godwit. **11**(1):2-6.

- _____. 1931. Nesting of the Little Brown Crane. **12**:3-6.
 _____. 1931. The brown bears of Chichagof Island, Alaska. **12**:79-80.
 _____. *see* Gabrielson, I. N.
 _____. *see* Kitchin, E. A.
 Warburton, S., Jr. and D. E. Brown. 1927. Stilt Sandpiper at Westport, Wash. **8**:76.
 Ward, A. L. *see* Gashwiler, J. S.
 Ward, M. *see* Buckner, C. H.
 Webb, R. S. and L. S. Forbes. 1982. Colony establishment in an urban site by Great Blue Herons. **63**:91-92.
 Weber, J. W. 1976. Harlan's race of the Red-tailed Hawk in southeastern Washington and adjacent Idaho. **57**:70-71.
 _____. 1977. Additional records of White-winged Crossbills in southeastern Washington. **58**:21.
 _____. 1977. Blue Jay influx into Washington during the 1976-77 winter. **58**:84-86.
 _____. 1978. First Idaho records of the Arctic Loon and its history east of the Cascades in Oregon and Washington. **59**:109-110.
 _____. 1979. Reidentification of the Western Gull specimen from the interior Pacific Northwest. **60**:75-77.
 _____. 1984. First specimen record of the Purple Martin from eastern Washington. **65**:94-95.
 _____. 1985. First specimen record of the Short-billed Dowitcher from eastern Washington; subspecific identification of Idaho specimens. **66**:31-34.
 _____. *see* Wright, G. M.
 Weber, J. W. and E. J. Larrison. 1976. Status of the Sage Thrasher in Asotin County, Washington, and adjacent Idaho. **57**:67.
 Weber, R. R. *see* Weber, W. C.
 Weber, W. C. 1974. A sight record of the Least Flycatcher at Vancouver, British Columbia. **55**:43-44.
 _____. 1975. Occurrence and possible breeding of the White-throated Swift at Spences Bridge, British Columbia. **56**(2):10-11.
 _____. 1976. Summer sighting of a Veery in coastal British Columbia. **57**:19.
 _____. 1976. Mourning Warbler and Northern Oriole in northeastern British Columbia. **57**:68-69.
 Weber, W. C., W. D. Kragh and D. M. Mark. 1982. A Swamp Sparrow sighting near Vancouver, British Columbia. **63**:96.
 Weber, W. C. and R. R. Weber. 1975. A winter sighting of the Swainson's Thrush at Vancouver, British Columbia. **56**(1):14.
 Webster, E. B. 1921. Elk as affected by the great storm in the Olympic Peninsula. **2**(2):6.
 _____. 1924. Cougar attacks man on woodland trail. **5**(2):12.

- . 1932. Status of mountain goats introduced into the Olympic Mountains, Washington. **13**:25.
- Webster, J. D. 1950. Altitudinal zonation of birds in southeastern Alaska. **31**:22-26.
- . 1988. Some bird specimens from Sitka, Alaska. **69**:46-48.
- Weeden, J. S. *see* Weeden, R. B.
- Weeden, R. B. and J. S. Weeden. 1985. An Ovenbird in Alaska. **66**:93-94.
- Wehle, D. H. S. 1982. Food of adult and subadult Tufted and Horned Puffins. **63**:51-58.
- Weigle, W. G. 1932. The Great Blue Heron colony on Samish Island, Washington. **13**:26.
- Weisbrod, A. R. 1974. Varied Thrushes feeding in the intertidal zone. **55**:12.
- Wells, O. N. 1954. A sight record of the Green Heron (*Butorides virescens*) in southern British Columbia. **35**:50.
- Werschkul, D., E. McMahon, M. Leitschuh, S. English, C. Skibinski and G. Williamson. 1977. Observations on the reproductive ecology of the Great Blue Heron (*Ardea herodias*) in western Oregon. **58**:7-12.
- West, E. W. 1987. Food habits of Aleutian Island Arctic foxes. **68**:33-38.
- West, G. C. and E. P. Bailey. 1986. Rustic Bunting, Purple Finch, and Cassin's Finch in south coastal Alaska. **67**:32.
- West, S. D. *see* Aubry, K. B.
- Weydemeyer, W. 1936. A partly albino Cowbird. **17**:19-20.
- . 1936. White eggs of the Mountain Bluebird. **17**:21.
- . 1938. Running speed of a Western Vesper Sparrow. **19**:18.
- Wheeler, R. J. 1965. Pioneering of Blue-winged Teal in California, Oregon, Washington, and British Columbia. **46**:40-42.
- Wheeler, R. J. and L. E. Raice. 1967. Note on the predatory behavior of the Bald Eagle. **48**:20-21.
- Whitaker, J. O., Jr. 1988. Listrophorid mites and other ectoparasites of muskrats, *Ondatra zibethicus*, from the Chena River, Alaska. **69**:54-56.
- White, C. M. *see* Kessel, B.
- . *see* Thurow, T. L.
- Wick, W. Q. 1958. A nine year bird list from Eliza and Protection Islands, Washington. **39**:1-9.
- . 1969. Right whale dolphin from Cape Kiwanda, Tillamook County, Oregon. **50**:9.
- Wick, W. Q. and R. G. Jeffrey. 1966. Population estimates and hunter harvest of diving ducks in northeastern Puget Sound, Wash. **47**:23-32.
- Wick, W. Q. and H. E. Penttila. 1957. Beaver litter of seven from Skagit County, Washington. **38**:7.
- Wicks, M. J. *see* Johnson, M. L.
- Wight, H. M. 1922. The Willamette Valley gopher. **3**(3):6-8.
- Wilbur, S. R. 1965. Three new birds from Idaho. **46**:45-46.
- . 1976. New seasonal and distributional records of Idaho birds. **57**:32-34.
- Wilbur, S. R. and C. F. Yocom. 1971. Unusual geese in the Pacific Coast States. **52**:16-19.
- Wilke, F. 1942. Large walrus tusk from St. Paul Island, Alaska. **23**:17.
- . 1958. Fat content of fur-seal milk. **39**:40.
- Willett, G. 1921. Bird notes for 1920 from southeastern Alaska. **2**(1):7-11.
- . 1921. Bird notes for 1920 from southeastern Alaska. **2**(2):3.
- . 1921. Mammal notes from Wrangell, Alaska. **2**(2):17-18.
- . 1926. Speaking of Marbled Murrelets. **7**:31-32.
- Williams, D. F. 1968. A new record of *Myotis thysanodes* from Washington. **49**:26-27.
- . 1975. Distribution records for shrew-moles, *Neurotrichus gibbsii*. **56**(1):2-3.
- Williams, M. Y. 1942. Geological background of the fauna of North America. **23**:11-13.
- Williams, R. B. 1983. First breeding record of the Red-head in southeast Alaska. **64**:31.
- Williams, W. *see* Pedersen, R. J.
- Williamson, G. *see* Werschkul, D.
- Williamson, T. A. *see* Chappell, C. B.
- Wilson, C. R. *see* Smith, D. G.
- Wilson, C., R. E. Johnson and J. D. Reichel. 1980. New records for the northern bog lemming in Washington. **61**:104-106.
- Wilson, D. *see* Hobson, K. A.
- Wilson, U. W. *see* Thompson, S. P.
- Wilson-Jacobs, R. and G. L. Dorsey. 1985. Snowy Plover use of Coos Bay North Spit, Oregon. **66**:75-81.
- Wing, L. 1944. Summer bird studies in the Okanagan Cascades. **25**:3-8.
- Winson, J. W. 1921. The coloration of birds' eggs. **2**(3):14-15.
- . 1925. Tent caterpillars eaten by owls. **6**:61-62.
- . 1931. Notes on a talking Canary. **12**:58-59.
- Wise, T. G. *see* Stern, M. A.
- Wise, W. A. *see* Clark, J. P.
- Witmer, G. *see* Anthony, R. G.
- Wood, W. 1974. Muskrat origin, distribution, and range extension through the coastal areas of Del Norte Co. Calif. & Curry Co. Oregon. **55**:1-4.
- Woodby, D. A. 1976. Winter owl records for eastern Washington. **57**:16-17.
- Woodley, R. E. *see* Fitzner, R. E.
- . *see* Moore, E.
- Woodward, H. R. 1942. Abnormal growth of incisors in a muskrat. **23**:80-81.
- Worcester, H. M. 1928. Report on Marsh Owls of St. Joe Valley, Idaho. **9**:46.

- . 1928. Observations of damage to game birds by Goshawks and Long-eared Owls. 9:47.
- . 1928. Errata. 9:70.
- Wotton, M. J. 1964. Emperor Goose in Washington. 45:29.
- Wotton, M. J. and D. C. Nicholson. 1960. First nesting of the Green Heron in Washington. 41:26.
- Wright, G. M. and J. W. Weber. 1979. Range extension of the fox squirrel in southeastern Washington and into adjacent Idaho. 60:73-75.
- Wright, P. L. and C. H. Conaway. 1950. Golden-mantled marmot in northwestern Montana. 31:32.
- Y
- Yaich, J. A. and E. J. Larrison. 1973. Nesting record and behavioral observations on the Gray Flycatcher in Washington. 54:14-16.
- Yensen, E. *see* Groves, C.
- . *see* Marks, J. S.
- Yoakum, J. D. 1959. Recent chinchilla release in Oregon. 40:19-20.
- . 1959. Eagle predation of wild pigeon. 40:34.
- . 1965. Observations of feeding habits of captive bobcats. 46:37-39.
- Yocom, C. F. 1945. Summer birds in the Colville Valley and the Selkirk Mountains of Washington—1941. 26:18-23.
- . 1948. Note on Nuttall's Poorwill in eastern Washington. 29:50.
- . 1949. Sight records of Loons in southeastern Washington. 30:20.
- . 1949. White-fronted Geese in eastern Washington. 30:41.
- . 1949. A survey of waterfowl in eastern Washington in 1947. 30:46-52.
- . 1950. Red-breasted Merganser in eastern Washington. 31:13.
- . 1950. Fox squirrels in Asotin County, Washington. 31:34.
- . 1950. Sight record of Old-Squaw in Idaho. 31:47.
- . 1951. Black-bellied and Golden Plovers in eastern Washington. 32:28.
- . 1954. 2,4-D and its relationship to wildlife. 35:5-7.
- . 1954. Sight record of Tree Sparrows in Skagit County, Washington. 35:7.
- . 1954. American Pintail (*Anas acuta tzitzioha*) on Crater Lake. 35:9.
- . 1958. Records of birds observed in the Okanogan Highlands and the Selkirk Mountains of northern Washington. 39:15-18.
- . 1960. Say Phoebe records for Humboldt County, California. 41:26.
- . 1961. Recent changes in Canada Goose populations in geographical areas in Washington. 42:13-21.
- . 1962. History of the Great Basin Canada Goose in the Pacific Northwest and adjacent areas. 43:1-9.
- . 1963. Birds of the Tetlin Lake-Tok Junction-Northway area, Alaska. 44:1-6.
- . 1963. July bird life in the Copper River Delta country Alaska—1962. 44:27-34.
- . 1964. Noteworthy records of birds from the Fort Yukon area and the Yukon Flats, Alaska. 45:30-36.
- . 1965. Estimated populations of Great Basin Canada Geese over their breeding range in western Canada and western United States. 46:18-26.
- . 1966. Western White-throated Swift nesting under Spanish-type tile roof edge. 47:20-21.
- . 1968. Status of the Hermit Warbler in northwestern California. 49:27-28.
- . 1970. Record of an albino Barn Swallow in northwestern California. 51:10.
- . 1970. Weights of ten species of ducks captured at Ohtig Lake, Alaska—August 1962. 51:20-21.
- . 1970. Bohemian Waxwing invasion of Humboldt County, California, 1969. 51:21-22.
- . 1970. Status of muskrats in northwestern California. 51:23-24.
- . 1970. Evidence of Canada Geese in Kashmir, India. 51:26.
- . 1970. Status of the Indigo Bunting in the Pacific States. 51:40-41.
- . 1970. Herons on the Lower Nehalem River, Tillamook County, Oregon. 51:41.
- . 1971. Invasion of Humboldt and Del Norte Counties of northwestern California by porcupines. 52:1-6.
- . 1971. Spread of opossums in coastal western United States. 52:40-41.
- . 1972. Weights and measurements of Tavener's and Great Basin Canada Geese. 53:33-34.
- . 1974. Recent wolverine records in Washington and Oregon. 55:15-18.
- . 1974. Record of Sandhill Crane in northwestern California. 55:29.
- . *see* deCalesta, D. S.
- . *see* Harris, S. W.
- . *see* Johnson, S. R.
- . *see* Modafferi, R.
- . *see* Wilbur, S. R.
- Yocom, C. F., C. L. Buechle and S. W. Harris. 1956. Great Basin Canada Goose nesting populations at the former Lake Lenore National Wildlife Refuge, Washington. 37:14-17.
- Yocom, C. F. and T. J. Eley, Jr. 1972. Extension of golden-mantled ground squirrel range west to the Pacific coastal area of Humboldt and Del Norte Counties, northwestern California. 53:29-30.
- . 1972. Additional records of muskrats in Humboldt and Trinity Counties, northwestern California. 53:30.
- Yocom, C. F. and H. A. Hansen. 1954. Sight records

- of the occurrence of Calliope Hummingbirds in Okanogan County, Washington. 35:8.
- . 1960. Magnitude of crane migrations in eastern Washington, 1950-1951. 41:41.
- Yocom, C. F. and S. W. Harris. 1966. Growth rates of Great Basin Canada Geese. 47:33-37.
- Yocom, C. F., W. A. Stumpf and K. M. Perkins. 1956. Status of beaver formerly introduced into the Mad River and river otter in northwestern California. 37:18-19.
- Yocom, C. F. and I. G. Yocom. 1946. Summer birds observed at Conkling Park, Kootenai County, Idaho, 1943. 27:10-12.
- Yocom, I. G. *see* Yocom, C. F.
- Young, L. S., J. G. Crenshaw and L. L. Crenshaw. 1988. Food caching by a Short-eared Owl. 69:39.
- Young, W. A. 1961. Range extension of dusky-footed wood rat. 42:6.

Z

- Zeillemaker, C. F. 1971. Chestnut-sided Warbler in Oregon. 52:27.
- Zemlicka, D. *see* deCalesta, D. S.
- Zwickel, F. C. 1967. Early behavior in young Blue Grouse. 48:2-7.
- . 1972. Grazing and predation on Blue Grouse. 53:52-53.
- . *see* McKinnon, D. T.
- . *see* Patterson, J. R.
- Zwickel, F. C., G. Jones and H. Brent. 1953. Movement of Columbian black-tailed deer in the Willapa Hills area, Washington. 34:41-46.
- Zwickel, F. C. and F. S. Tompa. 1963. Opossum in British Columbia. 44:24.

SUBJECT INDEX

Articles containing information on one, two, or three species are indexed under each of the species discussed. Many articles contain information on more than three species of birds or mammals. These articles have been indexed under general headings, such as birds, mammals, raptors etc., rather than under individual species names. These general entries should not be overlooked.

A

- abnormalities
 - beaks, 11:74; 13:54
 - bear, 3(3):9
 - endourethral casts, 31:15
 - feet, 42:45
 - feral goats, 41:37
 - horny growths, 15:54
 - pentadactyl, 21:6
 - skin, 15:81-82
 - skull, 20:19
 - teeth, 12:23; 23:80-81; 51:11; 55:11; 57:17-18; 59:104-105; 61:103-104; 62:92
 - see also albinism; coloration; diseases; skulls; teeth
- Accipiter*
 - cooperii*, attacked by crows, 38:37; food, 6:29
 - gentilis*, behavior, 44:35; food, 6:29; 9:47
 - striatus* (includes *A. velox*), attacks bobcat, 36:34; food, 6:29; harasses woodpecker, 64:97-98; nesting, 10:40-41; 11(1):13-14; 12:12
 - velox*, see *A. striatus*
- Acridotheres cristatellus* (includes *Aethiospar c.*), B.C., 8:14; 12:84-85; 19:18; 36:28-29
- Actitis macularia*, behavior, 7:40; male incubation, 23:16; pentadactyl, 21:6; teetering, 27:53
- activity patterns
 - Nyctea scandiaca*, 50:14-16
 - Selasphorus rufus*, 32:28
- adoption
 - Agelaius phoeniceus*, 66:37-43
 - Odobenus rosmarus*, 59:77-78
 - see also parental behavior
- Aechmophorus occidentalis*, B.C., 43:51; 45:8-9; 45:48; cold weather survival, 50:36; food, 13:22-23; 38:5-6; nesting, 69:28-33; OR, 53:35
- Aegialitis semipalmata*, see *Charadrius semipalmatus*
- Aegolius*
 - acadicus* (includes *Cryptoglaux acadica*), food, 51:10; 63:92-93; 66:21-24; infested with flies, 67:83-84; nesting, 40:21; 63:94; roosting behavior, 66:21-24; WA, 20:22; 21:48; 25:29-30
 - funereus*, AK, 65:59; MT, 68:68; WA, 61:80
- Aeronauts*
 - melanoleucus*, see *A. saxatalis*
 - saxatalis* (includes *A. melanoleucus*), B.C., 56(2):10-11; nesting, 47:20-21; OR, 11:74; 52:13-14
- aestivation
 - Spermophilus townsendii*, 17:17-18
 - & water supply, 22:15-18
 - see also hibernation
- Aethia*
 - cristatella*, incubation, 65:53-56; predation by voles, 63:9-14; WA, 23:82
 - pusilla*, incubation, 53:56; predation by voles, 63:9-14
- Aethiospar cristatellus*, see *Acridotheres cristatellus*
- age determination
 - Callipepla californica*, 62:59-60
 - Canis latrans*, 64:60-61
 - Cervus elaphus*, 32:19-22
 - Tamias ruficaudus*, 58:26-36
 - Thomomys mazama*, 60:38-41
 - see also longevity
- Agelaius phoeniceus*, food, 54:8-10; nesting, 16:38-39; parental behavior, 66:37-43
- aggregation
 - Cathartes aura*, 33:11
 - Glaucomys sabrinus*, 62:54-55
 - Pica pica*, 69:78-79
 - Plecotus townsendii*, 29:48
 - Troglodytes troglodytes*, 6:37-39
 - see also colonies
- aggression
 - Accipiter striatus*, 36:34; 64:97-98
 - Bubo virginianus*, 46:27-28
 - Corvus brachyrhynchos*, 38:37
 - Felis concolor*, 5(2):12; 6:33-37; 10:41-42
 - Fulmarus glacialis*, 55:10
 - Gavia immer*, 62:20-21
 - Melospiza melodia*, 61:72-77
 - Perognathus sp.*, 55:23-25
 - Stercorarius pomarinus*, 65:52
 - Sylvilagus floridanus*, 50:17-18; 55:10
 - Turdus migratorius*, 5(2):9
 - Ursus arctos*, 12:79-80
 - see also humans attacked; predation
- Aix sponsa*, B.C., 28:38; nesting, 8:15; 15:51-52; OR, 37:3; WA, 5(3):11
- Alaska
 - Aegolius funereus*, 65:59
 - Alces alces*, 60:6-11
 - Alopex lagopus*, 68:33-38

ALASKA—cont.

- Arenaria interpres*, 53:11
Asio flammeus, 63:22–24
Aythya americana, 64:31
Aythya collaris, 53:11
Bartramia longicauda, 48:28–33
birds, 2(1):7–11 errata, 2(2):3; 3(3):4; 5(2):3–4; 9:63–65; 10:55–57; 12:7–11; 12:35–42; 12:71–75; 13:16–21; 13:38–40; 14:7–8 errata, 14:46; 17:48–52; 23:66–75; 31:22–26 errata, 31:49; 38:26–29; 41:24; 44:1–6; 44:28–34; 45:1–8; 45:30–36; 45:37–47; 46:6; 47:57–65; 49:15–24; 57:2–12; 58:58–72; 59:42–58; 59:82–91; 61:6–19; 61:31–34; 62:34–42; 64:39–46; 65:15–19; 68:1–11; 68:12–23; 69:46–48
Brachyramphus brevirostris, 3(2):9–10; 63:27
Brachyramphus marmoratus, 7:31–32
Carpodacus cassini, 67:32
Carpodacus purpureus, 67:32
Colaptes auratus, 59:31–33
Columba fasciata, 55:27
Corvus caurinus, 69:68–69
Cygnus buccinator, 62:24–26
Dendroica coronata, 38:37
Diomedea albatrus, 45:47; 45:48
Emberiza rustica, 67:32
Enhydra lutris, 56(1):13; 56(3):17–19; 61:46–47
Eschrichtius robustus, 60:107
Falco sparverius, 64:63–64
fox, 6:14
Grus canadensis, 12:3–6; 12:75
habitats, 13:38; 59:42–58; 60:86–94
Haliaeetus leucocephalus, 59:70–72
Heteroscelus incanus, 4(3):17
Hirundo pyrrhonota, 48:18
Larus delawarensis, 53:31–32
Larus glaucescens, 66:24
Lepus othus, 59:72–74
Limosa haemastica, 35:51; 44:8
Limosa lapponica, 11(1):3–6
Luscinia svecica, 56(2):5–8
mammals, 2(2):17–18; 5(2):3–4; 9:63–65; 10:15–17; 34:18–26; 39:37–39; 45:1–8
mammals, marine, 45:1–8; 58:58–72; 61:6–19; 61:50–62; 62:34–42
Mimus polyglottos, 34:11
Mustela erminea, 38:36
Myadestes townsendi, 63:94–95
Numenius tahitiensis, 6:21
Nyctea scandiaca, 50:13–16
Oceanodroma leucorhoa, 55:44–45
Ochetona collaris, 42:22–24
Odobenus rosmarus, 23:17
Oenanthe oenanthe, 10:57
Orcinus orca, 61:46–47; 61:78
Oryctolagus cuniculus, 66:24
Passerculus sandwichensis, 13:39; 48:18
Pelecanus erythrorhynchos, 63:98
Phoca vitulina, 58:44
Phocoenoides dalli, 60:108–110
Pica pica, 69:68–69
Picoides pubescens, 46:6
Quiscalus quiscula, 53:31–32
Rhodostethia rosea, 67:63–64
Rissa brevirostris, 59:37
seabirds, 58:58–72; 59:82–91; 61:6–19; 61:31–34; 61:50–61; 62:34–42; 64:39–46; 65:15–19; 68:12–23
Seiurus aurocapillus, 66:93–94
shorebirds, 61:31–34
Sorex palustris, 65:45
Spizella arborea, 13:40; 48:18
Sterna paradisaea, 13:26
Sturnella neglecta, 46:6
Sus scrofa, 68:57–58
Ursus arctos, 12:79–80; 13:56
Vulpes fulva, 69:68–69
whales, 20:67–69
wildlife, 45:1–8
Ziphius cavirostris, 60:35–36
Alauda arvensis, B.C., 36:28–29
albatross
black-footed, see *Diomedea nigripes*
Laysan, see *Diomedea immutabilis*
short-tailed, see *Diomedea albatrus*
Alberta
birds, 11:70–71
Carpodacus mexicanus, 25:45
Ochotona sp., 35:19–24
Phalacrocorax auritus, 50:19–21
albinism
Anas americana, 38:25
Aplodontia rufa, 16:18
Ardea herodias, 25:13; 51:41
Buteo jamaicensis, 55:8–9
Calidris alpina, 9:21
Canis latrans, 11(2):16
Chen caerulescens, 36:38
Clethrionomys gapperi, 23:84
Euphagus cyanocephalus, 8:16; 25:13
Hirundo rustica, 25:12; 31:11; 51:10
hummingbird, 55:4
Junco hyemalis, 28:38; 39:10
Larus glaucescens, 11(1):18
Molothrus ater, 17:19–20
Mustela erminea, 53:9–10
Ondatra zibethicus, 37:11
Passerella iliaca, 28:41
Scapanus orarius, 20:70; 22:36
Scapanus townsendii, 25:10
Spermophilus columbianus, 4(2):15; 13:55; 14:78
Tringa melanoleuca, 25:11
see also coloration
Alces alces, B.C., 9:1–9; 9:43–44; 9:60–63; 17:17; 38:1–3; seasonal movements, 60:6–11
Alectoris chukar, food, 60:58–66

ALOPEX

- Alopex lagopus*, food, 68:33-38; OR, 27:13
- Ammodramus*
caudacutus (includes *Passerherbulus c.*), WA, 46:26
savannarum, OR, 64:51-54; WA, 19:16-17
- Ammospermophilus leucurus* (includes *Citellus l.*), ID, 33: 44
- Amphispiza*
belli, song, 66:1-10
bilineata, breeding behavior, 61:112-113; OR, 52:41
- Anas*
acuta (includes *Dafila a.*), AK, 12:71-72; breeding, 46:12-14; coloration, 6:22; migration, 6:61; OR, 35:9
americana, albinism, 38:25; migration, 6:61; nesting, 12:82
carolinensis, see *A. crecca*
clypeata (includes *Spatula c.*), breeding, 22:32-35
crecca (includes *A. carolinensis*, *Nettion carolinense*), AK, 12:71; B.C., 9:21; 48:27; & gulls, 40:20; N. Amer., 47:15-18; nesting, 2(3):5; 8:18; OR, 35: 51; 50:34; 60:77-79; WA, 28:13; 50:36
cyanoptera (includes *Querquedula c.*), OR, 24:28; WA, 41:27; 59:2-6
discors (includes *Querquedula d.*), Pacific NW, 46: 40-42; WA, 18:30; 59:2-6
falcata (includes *Eunetta f.*), B.C., 13:92
penelope, MT, 46:49; OR, 4(3):17; 5(1):13; WA, 12: 21-22; 14:15; 16:40; 28:13; 30:40
platyrhynchos, AK, 12:71; behavior, 32:14; introduction, 47:66-72; nesting, 35:10; pair bonding, 68: 31; status, 7:68; weight, 28:21
rubripes, OR, 35:47; WA, 30:20
strepera (includes *Chaulelasimus streperus*), WA, 3(1): 4-5; 64:27-31
- Anser*
albifrons, AK, 12:74-75; WA, 30:41; 58:89
caerulescens, see *Chen caerulescens*
canagica, see *Chen canagica*
hyperborea, see *Chen caerulescens*
- Anthus*
rubescens, see *A. spinolletta*
spinolletta (includes *A. rubescens*), nesting, 6:42
- antlers**
Odocoileus hemionus, 44:21-22; 52:10-12
- Antrozous pallidus*, B.C., 14:18; WA, 17:56; 37:34-35
- Aphelocoma*
californica, see *A. coerulescens*
coerulescens (includes *A. californica*), OR, 15:50; WA, 8:46
- Aplodontia rufa*, albinism, 16:18; B.C., 40:1-4; behavior, 4(1):13; captive behavior, 22:60-61; 42:1-3; food, 62:86-87; geographic variation, 22:45-49; natural history, 3(1):14-18; predation by golden eagle, 59:77; status, 26:34-37; tree damage by, 6:39; 33: 38-41; type species, 22:50-51; WA, 11:75-76; 12: 22; young, 5(1):4

AQUILA

- Aquila chrysaetos*, catches rock dove, 40:34; eggs, 22: 40-41; food, 6:30; 10:41; 59:28-30; 59:77; 64:73- 77; foraging behavior, 37:11-12; nesting, 27:34; OR, 65:29-30; winter behavior, 60:99-105
- Arborimus*
albibipes (includes *Phenacomys a.*), natural history, 48: 23-27; OR, 50:22; 50:39
longicaudus (includes *Phenacomys l.*), eaten by saw- whet owl, 51:10
- archaeological site remains**
Callorhinus ursinus, 65:28-29
Gymnogyps californianus, 23:77
- Archibuteo*
ferrugineus, see *Buteo regalis*
lagopus, see *Buteo lagopus*
- Archilocus alexandri*, nesting, 65:53
- Ardea*
herodias, albinism, 25:13; & bald eagle, 60:31-33; behavior, 25:14; black bear in colony, 61:113; colony size & hatch, 62:73-79; feeding behavior, 67:27-28; food, 6:60; 'mousing', 62:91; nesting, 2(3):6; 6:25-27; 7:13-14; 13:26; 13:35-37; 13:92-93; 14:42-43; 15:53; 65:57-59; OR, 51:41; pollution & breeding, 61:63-71; population dynamics, 62:16-18; prey manipulation, 63:89-91; reproductive ecology, 58:7-12; swimming, 22: 55-56; urban colonies, 63:91-92; WA, 20:22; weights, 62:18-19
- Arenaria*
interpres, AK, 53:11
melanocephala, food, 54:38-39
- art**
birds, 22:26-29
- Asia**
flammeus, food, 5(1):12; 7:9; 9:46; 51:29-33; 52:27; 56(2):2-4; 63:22-24; 65:48-49; food caching, 69: 39; WA, 6:21
- otus* (incl. *A. wilsonianus*), B. C., 33:43; 69:27-28; behavior, 13:23-24; ecology, 58:2-6; food, 7:9; 9: 47 errata, 9:70; 18:28-29; 20:60-61; 51:8-9; 51: 29-33; 57:63-64; 60:12-15; 61:86-91; 62:80-82; 65:10-14; 67:28-30; nesting, 35:31; 46:39; 51:8- 9; 61:86-91; 65:10-14; status, 20:60-61; WA, 6: 58; 57:16-17
- wilsonianus*, see *A. otus*
- Asyndesmus lewisi*, see *Melanerpes lewisi*
- Athene cunicularia* (includes *Speotyto c.*), B.C., 12:81- 82; 33:43; food, 4(3):18; 8:48; & ground squirrels, 6:49; nesting, 9:45-46; OR, 25:9; prey caches, 64: 25-26; WA, 5(1):8; 7:39; 22:57-58; 41:29; 57:16-17
- auklet**
Cassin's, see *Ptychoramphus aleuticus*
crested, see *Aethia cristatella*
least, see *Aethia pusilla*
parakeet (paroquet), see *Cyclorrhynchus psittacula*
rhinoceros, see *Cerorhinca monocerata*
- avocet**, American, see *Recurvirostra americana*

AYTHYA

- Aythya*
americana (includes *Nyroca a.*), AK, 21:10
collaris, AK, 53:11; OR, 46:43; 62:55–56; WA, 44:14–15
fuligula, WA, 51:25
marila (includes *Marila m.*), nesting, 2:72–73

B

baculum

- Tamiasciurus* sp., 50:10–11
- badger, see *Taxidea taxus*
- Balaenoptera acutorostrata*, B.C., 27:47–49; natural history, 30:3–16
- Balanosphyra formicivora*, see *Melanerpes formicivorus*
- baldpate, see *Anas americana*
- banding
- bats, 40:26–27
 - Pelecanus erythrorhynchos*, 58:79–82
 - Bartramia longicauda*, AK, 48:28–33; OR, 66:34–35; WA, 10:37; 21:48; 22:40
 - bat(s), B.C., 23:61; 23:83–84; 25:10; 25:45; 33:42; banding, 40:26–27; behavior, 32:45; feeding competition with nighthawks, 61:35; OR, 40:26–27; 40:28–29; WA, 9:70; 11(2):11–13; 14:77; 21:4–5; 55:13–14
 - big brown, see *Eptesicus fuscus*
 - fringed myotis (fringed-tailed myotis), see *Myotis thysanodes*
 - hoary, see *Lasiurus cinereus*
 - little brown, see *Myotis lucifugus*
 - long-eared myotis, see *Myotis evotis*
 - lump-nosed, see *Plecotus* sp.
 - pallid, see *Antrozous pallidus*
 - silver-haired, see *Lasionycteris noctivagans*
 - spotted, see *Eudermia maculatum*
 - Townsend's big-eared (long-eared, western big-eared) see *Plecotus townsendii*
 - bathing
 - birds, 16:18 - bear, "dwarf", 3(3):9
 - black, see *Ursus americanus*
 - brown (grizzly, Peninsula), see *Ursus arctos* - beaver, see *Castor canadensis*
 - beaver, mountain, see *Aplodontia rufa*
 - beetles, see insects
 - behavior, see aggregation; aggression; bathing; breeding behavior; calling; captive behavior; climbing; dispersal; display; diving; feeding habits; hibernation; home range; incubation; migration; movements; mutualistic behavior; myco-phagy; nest parasitism; nesting behavior; parental behavior; perching behavior; predation; reproduction; roosting behavior; song; speed; swimming; temporal behavior; territoriality; tipping & bobbing behavior

BENDIRE

- Bendire, C. E. (early ornithologist), records verified, 54:34–35
- biotic areas, see habitats
- birds
- bathing, 16:18; calling up, 22:62–63; digestion, 16:29–32; as fish food, 8:18; 23:17; illustrated, 2:26–29; migration, 15:53; 45:15–22; mortality, 39:41; new species, 14:27–36; 14:55–75; 15:3–19; nocturnal flushing, 68:31–32; oiled, 37:20–22; population dynamics, 15:78–79; 27:4–9; sex ratio, 16:17; specimen preservation, 19:14–16; speed, 15:23–24; storm damage, 22:36; 'tipping & bobbing', 24:25–26; 27:13; 38:8; versus sheep, 11(2):19; yearly lists, 44:16; zonal distribution, 20:14–16
 - Alaska, 2(1):7–11 errata, 2(2):3; 3(3):4; 5(2):3–4; 9:63–65; 10:55–57; 12:7–11; 12:35–42; 12:71–75; 13:16–21; 13:38–40; 14:7–8 errata, 14:46; 17:48–52; 23:66–75; 31:22–26 errata, 31:49; 38:26–29; 41:24; 44:1–6; 44:28–34; 45:1–8; 45:30–36; 45:37–47; 46:6; 47:57–65; 49:15–24; 57:2–12; 58:58–72; 59:42–58; 9:82–91; 61:6–19; 61:31–34; 62:34–42; 64:39–46; 65:15–19; 68:1–11; 68:12–23; 69:46–48
 - Alberta, 11:70–71
 - British Columbia, 1(2):10–11; 2(1):13; 2(2):12–13; 2(2):15–17 errata, 3(1):3; 3(1):13; 3(1):20; 3(2):8–9; 4(2):5–6; 4(2):6–8; 6:3–4; 8:43–44; 9:20–21; 10:7–9; 11:70–71; 12:15–17; 12:18–20; 12:21; 12:25; 13:3–15; 14:18; 22:37; 26:38–46; 27:4–9; 28:37–38; 33:9; 34:15–17; 34:31; 39:25; 41:10–11; 41:11; 45:15–22; 52:29–40 errata, 53:14; 56(3):6–11; 57:14–16; 57:35–42
 - California, 9:28–38; 9:39–42; 38:9–25; 49:36–37
 - China, 15:73–77
 - Georgia, 8:5–7
 - Idaho, 4(1):3–4; 7:35–36; 9:28–38; 9:47; 15:69–72; 17:53; 27:10–12; 31:2–8; 34:1–5; 34:6–8; 37:4–10; 40:30–33; 41:1–6; 43:9–14; 43:40–50; 57:32–34; 58:87–88; 65:91–93; 68:69–93
 - Mexico, 4(2):12–15; 7:16–17; 7:55
 - Montana, 3(2):17–19; 43:29–35; 64:1–11; 64:12–17; 67:10–18; 67:90–92
 - New Jersey, 8:72–73
 - New Mexico, 45:22–25
 - Oregon, 3(1):18–19; 4(1):11; 6:61; 7:35–36; 7:63; 8:3–4; 11(1):10–12; 14:16–17; 17:41–47; 18:14–18; 20:14–16; 28:41; 41:22; 46:1–6; 47:50–51; 47:76; 53:1–7; 54:31–33; 54:34–35; 56(1):7–10; 59:59–69; 64:78–86; 66:25–28
 - Pacific Northwest, 55:32–38 errata, 56:15
 - Pacific Ocean, northern, 53:15–21; 57:48–49
 - Washington, 1(1):5–8; 1(2):4–7; 1(2):7–10 errata, 2(2):3; 2(1):6; 2(1):11–12; 2(1):14–16; 2(2):4; 2(2):5; 2(2):7; 2(2):8–12; 2(2):13–15; 2(2):18; 2(3):5; 2(3):9–10; 3(1):5; 3(1):7; 3(1):8; 3(2):7; 3(2):8–9; 3(2):

BIRDS—cont.

- 14–15; 3(3):3; 3(3):4; 3(3):13–18; 4(1):8–9; 4(1):13; 4(2):8–10; 4(2):17–18; 4(3):3–15; 4(3):16; 5(2):7–8; 5(3):11; 5(3):12; 6:6–7; 6:8; 6:13; 6:15; 6:41; 6:42; 6:62–63; 6:64; 7:3–7; 7:14; 7:16; 7:35–37; 7:38; 7:41; 7:43; 7:48–51; 7:63; 7:65; 8:8–11; 8:17; 8:29–34; 8:35–42; 8:44–46; 8:47; 8:56–58; 8:59–70; 8:77; 8:79; 9:16–19; 9:21–22; 9:22; 9:28–38; 10:1–7; 10:7–9; 10:18; 10:27–33; 10:34–37; 10:52–55; 11(1):20–21; 11(1):21–22; 11(2):18–19; 11:55–59; 11:71–73; 12:12–14; 12:56; 12:81; 12:83–84; 13:23; 13:41–46 addition; 14:80; 13:50–52; 13:93–94; 14:15; 14:27–36; 14:43–44; 14:55–75; 14:80; 15:3–19; 15:51; 15:79–80; 15:81; 16:11–14; 16:51–65; 17:20–21; 17:55; 18:2–13; 19:2–7; 20:14–16; 20:22; 20:27–37; 20:70; 21:29–33; 21:34–46; 21:48; 22:40; 24:35–46; 25:3–8; 26:18–23; 26:29–30; 27:33–34; 28:2–5; 28:34; 29:5–8; 30:21; 30:40; 30:46–52; 31:27–30; 31:35; 31:48; 32:23–24; 33:18–28; 35:25–31; 36:43; 39:1–9; 39:15–18; 39:21–22; 40:33; 42:29–37; 44:12–13; 45:22–25; 46:1–11; 47:76; 53:42–47; 55:19–22; 56(3):12–16; 57:54–57; 65:60–61; 67:51–59; 68:103–107
- Wyoming, 5(3):8–9; 67:90–92
- Yukon Territory, 21:11
- see also game birds; passerines; raptors; seabirds; shorebirds; tubenoses; waterfowl; & species names
- bison, see *Bison bison*
- Bison bison*, OR, 66:56–58
- bittern
- American, see *Botaurus lentiginosus*
 - least, see *Ixobrychus exilis*
- blackbird
- Brewer's, see *Euphagus cyanocephalus*
 - red-winged, see *Agelaius phoeniceus*
 - rusty, see *Euphagus carolinus*
 - yellow-headed, see *Xanthocephalus xanthocephalus*
- bluebird
- eastern, see *Sialia sialis*
 - mountain, see *Sialia currucoides*
 - western, see *Sialia mexicana*
- bluethroat, see *Luscinia svecica*
- boar, European wild, see *Sus scrofa*
- bobcat, see *Felis rufus*
- bobolink, see *Dolichonyx oryzivorus*
- bobwhite, northern, see *Colinus virginianus*
- Bombycilla*
- cedrorum*, B.C., 2(2):5 errata, 3(1):3; behavior, 41:27–28; feeding behavior, 19:16
 - garrulus*, CA, 51:21–22; ID, 18:30; OR, 41:44; WA, 8:18
- Bonasa umbellus*, food, 6:28; 29:19–20; natural history, 34:35–40; nesting, 39:10
- bones, see antlers; baculum; museum specimens; os clitoridis; skulls; teeth
- BOOBY
- booby
- blue-footed, see *Sula nebouxii*
 - red-footed, see *Sula sula*
- Botaurus lentiginosus*, call, 15:80; & garter snake, 52:27–28
- Brachylagus idahoensis*, trapping, 60:112–113; WA, 4(2):16
- Brachyrhampus*
- brevirostris*, AK, 3(2):9–10; 63:27
 - hypoleuca*, see *Synthliboramphus hypoleucus*
 - marmoratus*, B.C., 8:16; 9:20; captive, 22:38–39; egg, 8:16; immature bird, 53:49; inland records, 68:58–63; nesting, 2(3):7; 2(3):8; 7:1–2; 7:31–32; 9:68; 15:24; 16:71; population density, 7:39; type specimen, 36:15–17
- brant, see *Branta bernicla*
- Branta*
- bernicla* (incl. *B. nigricans*), B.C., 54:12–13; CA, 17:19; migration, 16:40–41; OR, 24:28; 39:13; 42:7 repeat, 43:16; predation on, 20:44; WA, 39:12
 - canadensis*, banding, 35:45; behavior, 12:25–26; breeding population, 46:18–26; brood-rearing habitat, 69:41–45; grazing preferences, 61:106–108; growth, 47:33–37; India, 51:26; migration, 11(2):18; 20:5; nesting, 37:14–17; 48:46–51; 64:27; OR, 34:10; 35:14; Pacific NW, 43:1–9; status, 32:2–7; WA, 42:13–21; 59:96–100; weights & measurements, 51:34–37; 53:33–34
 - nigricans*, see *B. bernicla*
- breeding behavior
- Amphispiza bilineata*, 61:112–113
 - Anas platyrhynchos*, 68:31
 - Anas strepera*, 64:27–31
 - Ardea herodias*, 58:7–12; 62:73–79
 - birds, dates, 2(2):8–12; density, 56(3):6–11; OR, 53:1–7
 - Branta canadensis*, 59:96–100; 69:41–45
 - Bucephala islandica*, 59:107–108
 - Cerorhinca monocerata*, 60:16–22
 - Charadrius semipalmatus*, 53:11–12
 - Chordeiles minor*, 11(1):18–19
 - Corvus brachyrhynchos*, 40:6–7
 - Didelphis virginiana*, 60:95–98
 - Eschrichtius robustus*, 43:54; 57:49
 - Falco peregrinus*, 62:43–53
 - Guiraca caerulea*, 62:91–92
 - Haliaeetus leucocephalus*, 56(3):2–6; 61:108–110; 64:33–38; 65:22–25; 67:45–50
 - Himantopus mexicanus*, 60:67–71
 - Larus argentatus*, 18:28
 - Lepus americanus*, 11:75; 14:77–78
 - Lutra canadensis*, 48:20
 - mammals, small, 13:25; 14:51–54
 - Martes americana*, 61:102–103
 - Mergus merganser*, 46:47–48
 - Neotoma cinerea*, 47:6–8; 47:72

BREEDING BEHAVIOR—cont.

- Numenius americanus*, 35:48
Odocoileus hemionus, 50:12; 63:26–27
Pandion haliaetus, 60:42–49; 69:24–27
Phalacrocorax auritus, 49:25–26; 50:19–20; 65:1–9
Phalacrocorax pelagicus, 65:1–9
Scapanus townsendii, 5(1):3–4
 seabirds, 59:82–91; 67:23–26
Spermophilus townsendii, 20:6–10
Sylvilagus bachmani, 48:19
Thomomys sp., 5(1):3–4; 14:42
Ursus arctos, 30:53–54
 waterfowl, 30:46–52
 see also display; nesting behavior; song; territoriality; reproduction

breeding productivity, see reproductive success
 breeding records

- Aegolius funereus*, 61:80
Anas acuta, 46:12–14
Aythya americana, 64:31
Bucephala albeola, 60:72–73
Casmerodius albus, 60:33–36
Cyanocitta cristata, 59:70
Otus flammeolus, 59:74–75
Sitta carolinensis, 65:51–52
Tyrannus tyrannus, 11(1):19

British Columbia

- (see also subentries below under Queen Charlotte Islands; Vancouver Island)
Acridotheres cristatellus, 8:14; 12:84–85; 36:28–29
Aechmophorus occidentalis, 43:51; 45:8–9; 45:48; 69:28–33
Aeronautes saxatalis, 56(2):10–11
Alces alces, 9:1–9; 9:43–44; 9:60–63; 17:17; 38:1–3
Anas crecca, 48:27
Anas falcata, 13:92
Anthus spinolella, 6:42
Antrozous pallidus, 14:18
Ardea herodias, 2(3):6
Asio otus, 33:43; 67:28–30
Athene cunicularia, 33:43
 bats, 23:60; 23:83–84; 25:10; 25:45; 33:42
 birds, 2(1):13; 2(2):12–13; 2(2):15–17 errata, 3(1):3; 3(1):13; 3(1):20; 3(2):8–9; 4(2):5–6; 6:3–4; 8:43–44; 10:7–9; 11:70–71; 12:18–20; 12:21; 12:25; 13:3–15; 14:18; 26:38–46; 33:9; 34:15–17; 34:31; 39:25; 41:11; 45:15–22
Bombycilla cedrorum, 2(2):5 errata, 3(1):3
Brachyramphus marmoratus, 8:16
Branta bernicla, 54:12–13
Bubulcus ibis, 63:86–88
Buteo lagopus, 3(2):6
Buteo lineatus, 29:50
Buteo swainsoni, 35:10
Butorides striatus, 35:50
Calamospiza melanocorys, 21:70
Calidris himantopus, 49:28
Capra hircus, 41:34–40
- BRITISH COLUMBIA—cont.
- Carduelis pinus*, 44:10–11; 49:24
Carduelis psaltria, 39:25
Carduelis tristis, 23:78–79; 25:9
Carpodacus mexicanus, 23:78; 42:38–42; 44:10–11; 45:11
Carpodacus purpureus, 14:78
Catharus fuscescens, 57:19
Catharus ustulatus, 56(1):14
Catherpes mexicanus, 25:46
Cephus columba, 3(3):10; 6:55–57; 37:22–23
Cerorhinca monocerata, 60:16–22
Charadrius semipalmatus, 42:3 repeat, 43:35–36; 53:11–12
Chen caerulescens, 5(1):10; 53:13
Chen canagica, 49:11
Chordeiles minor, 12:25
Cinclus mexicanus, 54:16–19
Coccycus erythrophthalmus, 40:12
Columba fasciata, 54:36–37
Corvus corax, 33:12
Cygnus buccinator, 2(1):5; 2(1):6; 2(2):3; 32:14
Dendragapus canadensis, 2(3):6
Dendroica nigrescens, 14:78
Dendroica palmarum, 41:9
Didelphis virginiana, 44:24
Egretta intermedia, 4(2):3–5
Empidonax minimus, 55:43–44
Eptesicus fuscus, 33:42
Eremophila alpestris, 62:21–23
Euphagus carolinus, 50:23
Falco columbarius, 31:31
Falco mexicanus, 35:11
Falco peregrinus, 33:42–43; 35:11
Falco rusticolus, 33:43–44
Gavia arctica, 58:45–47
Grampus griseus, 46:16
Haematopus bachmani, 49:11
Haliaeetus leucocephalus, 65:22–25
Hirundo pyrrhonota, 44:9–10
Histrionicus histrionicus, 9:70; 33:13; 64:54–57
Icterus galbula, 36:43; 57:68–69
Ixobrychus exilis, 36:44
Lagopus mutus, 16:39
Larus argentatus, 18:28
Larus glaucescens, 6:55–57; 59:92–95
Larus philadelphia, 58:45–47
Lutra canadensis, 59:92–95
 mammals, 3(2):8–9; 8:43–44; 10:38–39; 37:28–30; 40:1–4; 57:35–42
 mammals, marine, 49:7–9; 57:35–42
Marmota monax, 44:24
Martes americana, 36:1–8
Melanerpes erythrocephalus, 47:45
Melospiza georgiana, 63:96
Microtus richardsoni, 41:13–14
Microtus townsendii, 17:15–16
Mimus polyglottos, 45:49

BRITISH COLUMBIA—cont.

- Myadestes townsendi*, 34:47
Myiarchus cinerascens, 41:9
nesting record scheme, 38:30–31; 38:32–35
Neurotrichus gibbsii, 10:61–61
Numenius americanus, 41:9
Ochetona sp., 35:19–24
Oporornis philadelphia, 57:68–69
Oreoscoptes montanus, 13:22
Otus flammeeolus, 59:74–75
Ovis canadensis, 53:28–29
Passerina amoena, 45:50
passerines, 14:18
Pelecanus erythrorhynchos, 51:18–19; 58:79–82
Perisoreus canadensis, 26:30
Phalacrocorax auritus, 65:1–9
Phalacrocorax pelagicus, 6:55–57; 37:22–23; 65:1–9; 66:84–86
Phalacrocorax penicillatus, 58:45–47
Phalaenoptilus nuttallii, 14:78
Phalaropus tricolor, 21:70
Phenacomys intermedius, 9:54–56; 40:1–4
Pica pica, 16:40
Pinicola enucleator, 2(2):12–13; 20:57–59; 34:48
Plectrophenax nivalis, 2(2):4
Podiceps nigricollis, 66:20–21
Psaltriparus minimus, 28:37; 31:47; 62:87–90
Puffinus carneipes, 21:69
Quiscalus quiscula, 50:38
Recurvirostra americana, 64:47–48
Reithrodontomys megalotis, 23:60
Scapanus townsendii, 11:74–75
seabirds, 54:39–40
Selasphorus rufus, 31:45
Somateria mollissima, 33:12
Spermophilus columbianus, 9:22–23
Spizella pusilla, 46:17
Stercorarius longicaudus, 49:6
Strix varia, 37:37; 47:39–45; 52:26; 54:25
Sturnus vulgaris, 5(2):12; 31:30–31
swallows, 43:16
Sylvilagus nuttallii, 21:9
Tachycineta bicolor, 44:10–11
Toxostoma rufum, 63:96–97
Turdus migratorius, 12:24–25
Tyto alba, 23:48–53
Uria aalge, 31:12–13
Vermivora virginiae, 46:17
Ziphium cavirostris, 33:10–11
Zonotrichia querula, 16:40; 43:53
- British Columbia, Queen Charlotte Islands
Asio otus, 69:27–28
birds, 1(2):10–11; 12:15–17
Grampus griseus, 61:44–45
Ptychoramphus aleuticus, 67:33–44
Synthliboramphus antiquus, 67:33–44
- British Columbia, Vancouver Island
Acridotheres cristatellus, 19:18

BRITISH COLUMBIA, VANCOUVER IS.—cont.

- Alauda arvensis*, 36:28–29
Anas crecca, 9:21
Aquila chrysaetos, 10:41
Athene cunicularia, 12:81–82
Aythya americana, 21:10
Balaenoptera acutorostrata, 27:47–49
birds, 2(2):15–17 errata, 3(1):3; 4(2):6–8; 9:20–21; 22:37; 27:4–9; 28:37–38; 41:10–11; 52:29–40 errata, 53:14; 56(3):6–11; 57:35–42
Brachyramphus marmoratus, 7:39; 9:20
Butorides striatus, 46:15
Calypte anna, 40:13; 49:9
Carduelis pinus, 20:43
Cathartacta macroura, 21:69
Cathartes aura, 33:11
Catharus fuscescens, 59:102–104
Catoptrophorus semipalmatus, 27:13
Cervus elaphus, 65:41–44
Chen canagica, 46:36
Chordeiles minor, 11(1):18–19
Columba fasciata, 3(3):11; 21:10–11
Corvus corax, 19:11–13
Cygnus buccinator, 2(1):5; 2(1):6; 30:59
Dendroica nigrescens, 13:53–54
ducks, 23:14–16
Eptesicus fuscus, 53:12
Eschrichtius robustus, 48:56–57; 58:40–43
Eumetopias jubatus, 57:14–16
Gavia adamsii, 42:44–45
Haliaeetus leucocephalus, 57:70
Junco hyemalis, 57:51
Lagenorhynchus obliquidens, 33:10–11
Larus glaucescens, 63:80–85; 69:10–14
Larus hyperboreus, 9:69
Larus occidentalis, 27:39–40
Leucosticte arctoa, 13:54
Loxia curvirostra, 23:77
Melospiza georgiana, 59:102–104
Melospiza melodia, 12:55
moles, 11(2):17–18
Myadestes townsendi, 23:77
Nycticorax nycticorax, 46:15
Ondatra zibethicus, 12:22–23
Pelecanus occidentalis, 14:15
Phalacrocorax pelagicus, 67:65–74
Phalacrocorax penicillatus, 49:7–9
Phalaropus fulicaria, 16:16–17
Rallus limicola, 41:11
raptors, 41:11
seabirds, 57:14–16
Selasphorus rufus, 25:11
Somateria spectabilis, 23:62
Stenella coeruleoalba, 33:10–11
Strix varia, 51:19
Synthliboramphus antiquus, 11(1):19
Tyrannus forficatus, 49:14
Tyrannus tyrannus, 11(1):19; 11(2):16; 12:83

BRITISH COLUMBIA, VANCOUVER IS.—cont.

- Xema sabini*, 9:21
Zenaida macroura, 35:13; 36:11
Ziphius cavirostris, 21:9; 33:10–11
Bubo virginianus, aggressive behavior, 46:27–28; behavior, 12:57; 18:31; 47:20; clutch size, 39:18; ecology, 58:2–6; food, 7:10; 48:11–12; 49:1–3; 51:29–33; 60:12–15; 62:2–5; mortality by skunks, 62:26; nesting, 6:20; 6:58; 39:28
Bubulcus ibis, B.C., 63:86–88; ID, 63:88–89; OR, 47:37; 66:28–29
Bucephala
 albeola (includes *Charitonetta a.*), AK, 12:73; ID, 60:72–73; nesting, 68:50; OR, 42:5; survey, 42:8; 43:14
 clangula, hybridization, 39:11
 islandica (includes *Glaucionetta i.*), hybridization, 39:11; ID, 59:107–108; OR, 39:26; WA, 35:33–38
buffalo, American, see *Bison bison*
bufflehead, see *Bucephala albeola*
bunting
 indigo, see *Passerina cyanea*
 lark, see *Calamospiza melanocorys*
 lazuli, see *Passerina amoena*
 rustic, see *Emberiza rustica*
 snow, see *Plectrophenax nivalis*
burrows
 as goose nests, 64:27
 small mammals association, 26:24–26
Spermophilus columbianus, 64:62–63
 see also caves; mounds
bushtit (California, Coast, least), see *Psaltriparus minimus*
Buteo
 borealis, see *B. jamaicensis*
 jamaicensis (includes *B. borealis*), behavior, 12:46–49; food, 5(3):11; 6:29; 6:60; 16:17; 51:38–40; 61:43–44; Harlan's race, 57:70–71; predation on mice, 28:18–21; sub-albinism, 55:8–9
lagopus (includes *Archibuteo lagopus*), B.C., 3(2):6; food, 6:30; OR, 27:13
lineatus, B.C., 29:50; OR, 54:34–35; 66:29–31
platypterus, WA, 58:18; 65:93–94
regalis (includes *Archibuteo ferrugineus*), behavior, 12:65–70; ID, 57:46–47; nesting, 64:20–22; WA, 7:54
swainsoni, B.C., 35:10; color-marked, 56(2):12; contaminated, 60:2–5; nesting, 64:20–22
Butorides
 striatus (includes *B. virescens*), B.C., 35:50; 46:15; nesting, 35:48; OR, 17:53; 26:26; 27:12; 27:50–51; 51:41; WA, 21:1–3; 32:12; 41:26
virescens, see *B. striatus*

C

- caching of food
Asio flammeus, 69:39

CACHING OF FOOD—cont.

- Athene cunicularia*, 64:25–26
Cyanocitta stelleri, 7:66
Microtus townsendii, 8:15
Sitta pygmaea, 65:49–51
Thomomys talpoides, 5(1):12
 see also feeding habits; food
Calamospiza melanocorys, B.C., 21:70
Calcarius
 lapponicus, AK, 13:39; WA, 3(3):4; 9:22; 16:18; 37:22
 ornatus, WA, 60:107–108
Calidris sp., serum proteins, 48:39–40
acuminata (includes *Erolia a.*, *Pisobia a.*), OR, 53:32; WA, 9:22; 54:21–22
alba (includes *Croctethia a.*), feeding behavior, 49:13–14; food, 20:25; WA, 8:18; 16:40; 17:55; 54:1–3
alpina (includes *Erolia a.*, *Pelidna a.*), AK, 13:19; albinism 9:21; ingestion of lead shot, 61:37; interhabitat movements, 66:11–16; WA, 38:7; 38:31; 54:1–3
bairdii (includes *Erolia b.*), WA, 20:70
canutus, ID, 63:72
ferruginea (includes *Erolia f.*), WA, 54:21–22
himantopus (includes *Micropalama h.*), B.C., 49:28; NV, 22:61–62; WA, 8:75; 8:76; 9:22; 16:70; 22:61–62
mauri (includes *Ereunetes m.*), WA, 54:1–3
minutilla (includes *Pisobia m.*), AK, 13:18–19
pusilla (includes *Ereunetes p.*, *Erolia p.*), WA, 33:42; 51:25–26
California
 Aplodontia rufa, 62:86–87
 birds, 9:28–38; 9:39–42; 49:36–37
 Bombycilla garrulus, 51:21–22
 Callorhinus ursinus, 65:28–29
 Castor canadensis, 37:18–19
 Dendroica occidentalis, 49:27–28
 Erethizon dorsatum, 52:1–6
 Eumetopias jubatus, 64:18–20
 Grus canadensis, 55:29
 Junco hyemalis, 15:26
 Lutra canadensis, 61:38–41
 Myotis evotis, 65:46
 Neurotrichus gibbsii, 56(1):2–3
 Ochetona princeps, 60:29–31
 Ondatra zibethicus, 51:23–24; 53:30; 55:1–4; 55:7–8
 Oreamnos americanus, 51:13
 Passerina cyanea, 51:40–41
 Phoca vitulina, 61:41–43
 Phoenicopterus ruber, 46:28–29
 Plecotus townsendii, 65:46
 Plegadis chihi, 54:11–12
 Sayornis saya, 41:26
 Spermophilus lateralis, 53:29–30
 Sterna elegans, 52:14
 Tyto alba, 55:5–7
 waterfowl, 38:9–25; 43:19–28; 47:1–5
calling of birds by humans, 22:62–63
Botaurus lentiginosus, 15:80

CALLING OF BIRDS BY HUMANS—cont.

- Columba fasciata*, 54:28-30
Dendragapus obscurus, 16:40
Parus atricapillus, 9:70
 see also song
Callipepla californica (includes *Lophortyx californicus*),
 age determination, 62:59-60; behavior, 36:18-21;
 food, 6:27; 6:60; 60:58-66; 69:75-78; hatching
 chronology, 67:87-89; management, 22:9-11; OR,
 59:7-13
Callorhinus
 alascanus, see *C. ursinus*
 ursinus (includes *C. alascanus*), AK, 6:14; in archaeo-
 logical remains, 65:28-29; diving, 27:25; milk,
 39:40; WA, 20:43
Callospermophilus sp., see *Spermophilus* sp.
Calypte anna, B.C., 40:13; 49:9
Canachites franklini, see *Dendragapus canadensis*
canary, common, see *Serinus canaria*
Canis
 latrans, ages & sex ratios, 64:60-61; albinism, 11(2):
 16; B.C., 37:28-30; behavior, 13:24-25; burrow,
 9:45-46; 9:69; control of, 30:37-39; predation
 by cougar, 66:17; predation on deer, 35:39-42;
 69:48-50; predation on pheasants, 59:30; scat
 analyses, 67:79-81; WA, 3(1):6
lupus, B.C., 37:28-30; OR, 22:52-54; 24:11; 56(3):22-
 23; WA, 28:12-13; 33:14
Capella
 delicata, see *Gallinago gallinago*
 gallinago, see *Gallinago gallinago*
Capra hircus, B.C., 41:34-40
captive behavior
 Aplodontia rufa, 22:60-61; 42:1-3
 Brachyramphus marmoratus, 22:38-39
Castor canadensis, 21:11
Cathartes aura, 63:68-69
Cyanocitta stelleri, 31:33-34
Cypseloides niger, 40:9-10
Dipodomys ordii, 24:10-11
Enhydra lutris, 62:6-9
Felis concolor, 67:20-23
Felis rufus, 46:37-39
Glaucomys sabrinus, 65:20-22
Neurotrichus gibbsii, 53:47-49
Perognathus longimembris, 55:23-25
Perognathus parvus, 55:23-25
Sorex bendirii, 50:27-32
Sorex vagrans, 47:51-53
Tamias amoenus, 23:84
Taxidea taxus, 20:49-53
Ursus arctos, 30:53-54
caracara, Audubon's, see *Polyborus plancus*
Carduelis
 pinus (includes *Spinus p.*), B.C., 20:43; 44:10-11; 49:
 24; food, 47:73-75
 psaltria (includes *Spinus p.*), B.C., 39:25
 tristis (includes *Spinus t.*), B.C., 23:78-79; 25:9
- CARIBOU**
- caribou* (mountain), see *Rangifer tarandus*
Carpodacus
 cassini, AK, 67:32
 mexicanus, Alberta, 25:45; B.C., 23:78; 42:38-42; 44:
 10-11; 45:11; feeding behavior, 41:7-9; 51:15-
 16; 55:9; nesting, 22:36; trapping, 51:15-16
 purpureus, AK, 67:32; B.C., 14:78; WA, 39:10
Casmorodus albus, food, 48:51; OR, 15:25; 51:41; WA,
 31:46; 43:52; 60:33-34
Castor canadensis, behavior, 20:71; CA, 37:18-19; cap-
 tive behavior, 21:11; colonizing, 8:78; endoureth-
 ral casts, 31:15; home, 15:82; litter size, 38:7; skull
 size, 65:78-79
catbird, see *Dumetella carolinensis*
Catharacta
 chilensis, see *C. maccormicki*
 maccormicki (includes *C. chilensis*, *Megalestris skua*),
 B.C., 21:69; behavior, 58:47-49; WA, 16:70; 19:
 18; 20:71
 skua, N. Pacific Ocean, 57:48-49
Cathartes aura, B.C., 33:11; captive behavior, 63:68-69;
 WA, 29:11
Catharus
 fuscescens, B.C., 57:19; 59:102-104
 guttatus (includes *Hylocichla g.*), CA, 15:53; OR, 15:
 50-51; systematics, 14:79
 ustulatus, B.C., 56(1):14
Catherpes mexicanus, B.C., 25:46; nesting, 22:20; WA,
 10:12-13; 17:21; 21:48
Catoptrophorus semipalmatus, B.C., 27:13; WA, 32:43; 33:
 13; 37:24; 37:25; 39:25
caves
 bats, 65:46
 see also burrows; mounds
censusing
 Ursus arctos, 40:14-16
 see also populations
Centrocercus urophasianus, OR, 66:69-74
Cephus columba, B.C., 6:55-57; 37:22-23; breeding, 5(3):
 12; nesting, 3(3):10
Cerorhinca monocerata, band recoveries, 65:57; breed-
 ing biology, 60:16-22; growth, 63:34-39; nesting
 food, 67:1-9; predation by crow, 66:86-90; WA,
 66:62-65
Certhia
 americana (includes *C. familiaris*), parasites, 10:17
 familiaris, see *C. americana*
Cervus
 canadensis, see *C. elaphus*
 dama (includes *Dama d.*), behavior, 11(2):17
 elaphus (includes *C. canadensis*), age determination,
 32:19-22; death by drowning, 55:39-40; intro-
 duction, 16:3-6; 16:42; predation by black bear,
 55:28; WA, 2(2):6; 3(1):6; 17:30-35; weights &
 measurements, 65:41-44
Ceryle alcyon (includes *Megacyrle a.*), ID, 40:20; nest-
 ing, 6:59-60; parasites, 11(1):15-17; WA, 40:20

CHAETURA

Chaetura vauxi, behavior, 2(3):9–10; 3(2):11–14; nesting, 12:25; 42:25–26; nesting behavior, 58:73–77
Chamaea fasciata, nesting, 7:64; WA, 20:10
Charadrius alexandrinus, OR, 66:75–81
dominicus, see *Pluvialis dominica*
morninellus (includes *Eudromias m.*), WA, 15:79
semipalmatus (includes *Aegialitis semipalmata*), AK, 13:21; B.C., 42:3 repeat, 43:35–36; 53:11–12
vociferus (includes *Oxyechus v.*), incubation period, 51:12–13; nesting, 14:45; 16:38
Charitonetta albovula, see *Bucephala albovula*
Chaulelasmus streperus, see *Anas strepera*
Chen
caerulescens (includes *Anser c.*, *Anser hyperborea*, C. *hyperboreus/a*), albinism, 36:38; B.C., 5(1):10; color phases, 53:13; feeding behavior, 61:106–108; WA, 50:24; 53:36–37
canagica (includes *Anser canagicus*, *Philacte canagica*), B.C., 46:36; 49:14; OR, 5(1):11; 24:29; 50:38; WA, 28:41; 45:29
hyperboreus/a, see *C. caerulescens*
rossii, WA, 53:49–50; weights, 28:21
chickadee
black-capped (Oregon), see *Parus atricapillus*
boreal (Hudsonian), see *Parus hudsonicus*
chestnut-backed, see *Parus rufescens*
mountain, see *Parus gambeli*
China
birds, 15:73–77
chinchilla, see *Chinchilla* sp.
Chinchilla sp., feral in Oregon, 40:19–20
chipmunk(s), WA, 28:23–30; 29:35–43; 30:27–34
cliff (Utah), see *Tamias dorsalis*
least (sagebrush), see *Tamias minimus*
red-tailed, see *Tamias ruficaudus*
Townsend's (Cooper's), see *Tamias townsendii*
yellow-pine (Columbian, Hollister's), see *Tamias amoenus*
Chlidonias niger (includes *Hydrochelidon nigra*), behavior, 4(1):13; 22:19; 29:49; nesting, 48:52–56; WA, 37:37
Chordeiles
minor (includes *C. virginianus*), B.C., 12:25; behavior, 8:77; 32:45; breeding, 11(1):18–19; dichromatism, 67:62–63; feeding competition with bats, 61:35; nesting, 7:51–53
virginianus, see *C. minor*
chromosomes
Microutis longicaudus, 61:2–5
chukar, see *Alectoris chukar*
Cinclus mexicanus, B.C., 54:16–19; habitat, 15:53; nesting, 7:67; 11(1):20; WA, 63:98–99
Circus
cyaneus (includes *C. hudsonicus*), AK, 13:38; food, 6:28; nesting, 27:52; 35:10; WA, 66:82–84
hudsonius, see *C. cyaneus*

CISTOTHORUS

Cistothorus palustris (includes *Telmatodytes p.*), eaten by snakes, 12:58; nesting, 2(3):5; OR, 30:58
Citellus
beecheysi, see *Spermophilus beecheysi*
beldingi, see *Spermophilus beldingi*
columbianus, see *Spermophilus columbianus*
douglasi, see *Tamiasciurus douglasii*
lateralis, see *Spermophilus lateralis*
leucurus, see *Amnospermophilus leucurus*
mollis, see *Spermophilus townsendii*
saturatus, see *Spermophilus saturatus*
townsendii, see *Spermophilus townsendii*
Clangula hyemalis (includes *Harelda h.*), AK, 12:73; ID, 31:47 OR, 15:25; WA, 3(1):5; 6:11; 6:32; 39:12
Clethrionomys
gapperi, albinism, 23:84; behavior, 12:54; new subspecies, 26:27–28
rutilus, predation on by auklets, 63:9–14
climbing
Spermophilus lateralis, 12:54–55
Spermophilus saturatus, 12:54–55; 12:80
clutch size, see eggs; reproduction
Coccothraustes vespertinus (includes *Hesperiphona vespertina*), behavior, 29:27; WA, 2(1):6
Coccyzus
americanus, nesting, 4(2):17
erythrophthalmus, B.C., 40:12; ID, 33:44; WA, 33:44–45; 40:12
Colaptes
auratus (includes *C. cafer*), AK, 59:31–33; behavior, 7:42; food, 8:78; 18:30; 22:19; 25:44; 'helped' by house wren, 49:4–6; hybridization, 14:16; ID, 34:48; predation by raven, 61:36–37; WA, 3(1):7; 3(3):4; 22:39
cafer, see *C. auratus*
Colinus virginianus, behavior, 36:18–21; food, 6:27; WA, 11:60–64
collections
bird eggs, 14:3–6
birds, 12:18–20
mammals, 13:63–91
see also museum specimens
Colombia, South America
wildlife, 10:43–48
colonies
Aechmophorus occidentalis, 43:51; 53:35
Ardea herodias, 13:26; 13:34–37; 13:92–93; 14:42–43; 15:53; 62:73–79; 63:91–92
Larus argentatus, 18:28
Phalacrocorax pelagicus, 66:84–86
see also aggregation; nesting behavior
coloration
bird eggs, 2(3):14–15
Chen caerulescens, 53:13
Chordeiles minor, 67:62–63
Clethrionomys gapperi, 23:84
Corvus brachyrhynchos, 31:11

COLORATION—cont.

- Dendragapus obscurus*, 68:27–29
Eschrichtius robustus, 60:107
Junco hyemalis, 28:38
Larus glaucescens, 28:39–40
Melanitta perspicillata, 4(1):9
Micromys montanus, 50:39
Mustela frenata, 29:29
Odocoileus hemionus, 37:34
Ondatra zibethicus, 37:11
Phalacrocorax pelagicus, 38:4
Pica pica, 14:44–45;
Rattus norvegicus, 7:15
Somateria fischeri, 56(3):17
Tamias townsendii, 31:9–11
Thomomys talpoides, 2(1):6
Tringa melanoleuca, 25:11
Ursus americanus, 58:79
 see also albinism
Columba
 fasciata, AK, 55:27; B.C., 21:10–11; 54:36–37; calling,
 54:28–30; display, 16:71–72; ID, 55:27–28; nesting,
 3(3):11; 17:21–22; perch, 37:36–37; 48:57;
 WA, 34:30–31; 48:17
 livia, attacked by golden eagle, 40:34; predation by
 ravens, 63:25
Colymbus
 auritus, see *Podiceps auritus*
 griseogenus, see *Podiceps griseogenus*
Compsothlypis americana, see *Parula americana*
condor, California, see *Gymnogyps californianus*
Contopus borealis (includes *Nuttallornis b.*), breeding,
 39:13; nesting, 35:49
control, animal
 birds & rodents, 5(2):5–7
 insects, 11(2):11–13
 predators, 30:37–39
 vermin, 9:15–16
 see also damage, economic; management
cavy (pika), see *Ochotona princeps*
coot, American, see *Fulica americana*
cormorant
 Brandt's, see *Phalacrocorax penicillatus*
 double-crested (Farallon, white-crested), see *Phalacrocorax auritus*
 pelagic (Baird), see *Phalacrocorax pelagicus*
Corvus sp., abnormal beak, 13:54; feeding behavior,
 1(2):10; predation on lambs, 7:61–62
 brachyrhynchos, attacks hawk, 38:37; banding, 23:77;
 behavior, 44:35; coloration, 31:11; incubation
 behavior, 40:6–7; nesting, 7:41
 caurinus, feeding behavior, 69:68–69; predation on
 auklet, 66:86–90
 corax, AK, 13:39; B.C., 19:11–13; 33:12; parental be-
 havior, 63:30–32; predation on flicker, 61:36–
 37; predation on rock dove, 63:25; WA, 9:45;
 69:69–72
Corynorhinus rafinesquii, see *Plecotus rafinesquii*
- COTTONTAIL**
- cottontail
 eastern, see *Sylvilagus floridanus*
 Nuttall's (Washington), see *Sylvilagus nuttallii*
Coturnicops noveboracensis, OR, 25:29; WA, 19:16; 55:
 25–26
cougar, see *Felis concolor*
cowbird, brown-headed (Nevada), see *Molothrus ater*
coyote, see *Canis latrans*
coypu, see *Myocastor coypus*
crane, sandhill (little brown), see *Grus canadensis*
 creeper, brown (California), see *Certhia americana*
Crocethia alba, see *Calidris alba*
crossbill
 red (American, red-winged, western) see *Loxia curvirostra*
 white-winged, see *Loxia leucoptera*
crow
 American (common), see *Corvus brachyrhynchos*
 northwestern, see *Corvus caurinus*
Cryptoglaux acadica, see *Aegolius acadicus*
cuckoo
 black-billed, see *Coccyzus erythrophthalmus*
 yellow-billed (California), see *Coccyzus americanus*
curlew
 bristle-thighed, see *Numenius tahitiensis*
 Hudsonian, see *Numenius phaeopus*
 long-billed, see *Numenius americanus*
Cyanocitta
 cristata, OR, 55:45; 58:83–84; 59:70; WA, 32:43; 57:
 44; 57:64–65; 58:84–86
 stelleri, attacked by robins, 5(2):9; feeding behavior,
 19:17; food, 7:66; molting, 31:33–34; nesting, 8:
 76; 11:68–69; 12:57; 42:9
Cyclorrhynchus psittacula, predation by voles, 63:9–14;
 WA, 16:16; 31:46
Cygnus
 buccinator (includes *Olor b.*), B.C., 2(1):5; 2(1):6; 2(2):
 3; 30:59; 32:14; natural history, 66:50–55; nest-
 ing, 52:24–25; OR, 68:55–56; parasitized by
 leeches, 62:24–26; WA, 36:44; 37:35
 columbianus (includes *Olor c.*), AK, 12:75; B.C., 2(1):
 6; migration, 69:1–9; WA, 18:29; 20:10
Cypseloides niger, behavior, 2(3):9–10; 8:76–77; 12:24;
 12:82–83; captive nestlings, 40:9–10; coloration,
 12:55; 13:22; nesting, 53:50–51; OR, 42:9; poem,
 27:38

D

- DDT residues, see pollution
Dafila acuta, see *Anas acuta*
Dama dama, see *Cervus dama*
damage, economic
 to blueberries, birds, 41:7–9; 51:15–16
 to buildings, flickers, 13:51
 to clams & oysters, ducks, 3(2):6; 6:8; gulls, 6:16
 to crops, mice, 2(2):6–7
 to fisheries, gulls, 6:16; seals & sea lions, 9:57–59

DAMAGE, ECONOMIC—cont.

- to forest trees, bears, 48:34–38; cottontails, 41:25; mammals, 33:38–41; rodents, 6:39
- to orchard trees, jays, 19:17; mice, 3(1):4
see also control, animal; management
- dams
- Alces alces*, 38:1–3
- deer, parasites, 16:35–37
- black-tailed (mule, Sitka), see *Odocoileus hemionus*
 - fallow, see *Cervus dama*
 - white-tailed, see *Odocoileus virginianus*
- Dendragapus*
- canadensis* (includes *Canachites franklini*), behavior, 2(3):6; food, 29:18–20
 - fuliginosus*, see *D. obscurus*
 - obscurus* (includes *D. fuliginosus*), behavior, 1(1):7; 9:67; 48:2–7; call, 16:40; digestive system, 36:22–25; disease, 5(1):10; food, 6:27; habitat, 3(2):5; hybridization, 58:78; incubation, 69:73–75; leucism, 68:27–29; nesting, 13:94; predation on, 53:52–53
- Dendrocypos pubescens*, see *Picoides pubescens*
- Dendroica*
- aestiva*, see *D. petechia*
 - auduboni*, see *D. coronata*
 - coronata* (includes *D. auduboni*), AK, 38:37; WA, 7:41; 38:3
 - nigrescens*, B.C., 13:53–54; 14:78
 - occidentalis*, B.C., 28:37–38; CA, 49:27–28; hybridization, 64:65–72; WA, 36:11
 - palmarum*, B.C., 41:9
 - pensylvanica*, OR, 52:27; WA, 59:102
 - petechia* (includes *D. aestiva*), parasites, 10:13–14
 - striata*, ID, 46:45–46
 - townsendi*, hybridization, 64:65–72; nesting, 1(2):10–11; 64:23–25; WA, 2(1):6
- development, see growth
- dichromatism, see coloration
- Didelphis*
- marsupialis*, see *D. virginiana*
 - virginiana* (includes *D. marsupialis*), B.C. 44:24; breeding behavior, 60:95–98; food, 61:20–30; OR, 36:42; 47:8; Pacific NW, 52:40–41; WA, 24:27–28; 28:12; 41:15
- diet, see feeding habits; food; predation
- digestive tracts
- Dendragapus obscurus*, 36:22–25
- Diomedea*
- albatrus*, AK, 45:47; 45:48
 - immutabilis*, N. Pacific Ocean, 57:48–49; Pacific NW, 46:1–6
 - nigripes*, behavior, 46:45
- Dipodomys ordii*, captive, 24:10–11; dispersal, 50:33–34
- dipper, American, see *Cinclus mexicanus*
- diseases
- Dendragapus obscurus*, 5(1):10
 - ducks, 3(3):3–4
- DISEASES—cont.
- Larus thayeri*, 24:29
- Sylvilagus floridanus*, 15:54
see also abnormalities; injuries; parasites
- dispersal
- Dipodomys ordii*, 50:33–34
see also home range; migration; movements
- display
- Actitis macularia*, 27:53
 - birds, 24:25–26; 27:13
 - Columba fasciata*, 16:71–72
 - Selasphorus rufus*, 25:11
see also breeding behavior
- diving
- Callorhinus ursinus*, 27:25
 - Enhydra lutris*, 56(1):7
 - Eschrichtius robustus*, 49:10
 - Mirounga angustirostris*, 45:9
see also swimming
- Dolichonyx oryzivorus*, WA, 7:15; 13:53
- dolphin
- northern right whale, see *Lissodelphis borealis*
 - Pacific white-sided (striped), see *Lagenorhynchus obsliquidens*
 - Risso's, see *Grampus griseus*
 - striped (long-snouted), see *Stenella coeruleoalba*
- dotterel, see *Charadrius morinellus*
- Douglas, David (early naturalist), 15:2–16
- dove
- mourning, see *Zenaida macroura*
 - rock, see *Columba livia*
- dowitcher
- long-billed, see *Limnodromus scolopaceus*
 - short-billed, see *Limnodromus griseus*
- Dryobates albolarvatus*, see *Picoides albolarvatus*
- Dryocopus pileatus* (includes *Phloeotomus p.*), attacked by hawks, 64:97–98; behavior, 12:23–24; roosting, 59:35–36; scat analysis, 66:90–92
- duck(s), B.C., 23:14–16; disease, 3(3):3–4; diving, 47:23–32; hybridization, 5(1):12; 22:20; 22:39; migration, 23:14–16; & muskrat, 33:14; numbers, 3(2):7; predation, 3(2):6; 6:8; 20:42; weights, 51:20–21
- American black, see *Anas rubripes*
- harlequin, see *Histrionicus histrionicus*
- ring-necked, see *Aythya collaris*
- ruddy, see *Oxyura jamaicensis*
- tufted, see *Aythya fuligula*
- wood, see *Aix sponsa*
- Dumetella carolinensis*, WA, 10:63; 16:70
- dunlin, see *Calidris alpina*
- E
- eagle
- bald, see *Haliaeetus leucocephalus*
 - golden, see *Aquila chrysaetos*
- economic problems, see control, animal; damage, economic; management

ECTOPISTES

- Ectopistes migratorius*, WA, 22:40
 eggs
 alcid incubation times, 65:53-56
Aquila chrysaetos, 22:40-41
Branta canadensis, 37:14-17
Bubo virginianus, 39:18
Callipepla californica, 67:87-89
 camouflage, 12:82
 collection, 2(2):2; 14:3-6
 coloration, 2(3):14-15
Pandion haliaetus, 25:9
Pica pica, 64:91-93
 pollutant residues, 60:2-5; 61:63-71; 62:43-45; 63:
 15-21 errata, 63:72
Recurvirostra americana, 40:13
Sialia currucoides, 17:21
Turdus migratorius, 54:38
 see also hatching; incubation; nesting behavior;
 pollution
 egret
 cattle, see *Bubulcus ibis*
 great (American, common), see *Casmerodius albus*
 intermediate (plumed), see *Egretta intermedia*
 snowy, see *Egretta thula*
Egretta
 intermedia (includes *Mesophoyx i.*), B.C., 4(2):3-5
 thula, nesting, 8:5; nesting habitat, 65:57-59
 eider
 king, see *Somateria spectabilis*
 Pacific, see *Somateria mollissima*
 spectacled, see *Somateria fischeri*
Elanus
 caeruleus (includes *E. leucurus*), OR, 14:79; 28:41
 leucurus, see *E. caeruleus*
 electrophoresis
 hemoglobins, *Larus* sp., 45:26-28
 serum proteins, boreal mammals, 39:32-36; *Calidris*
 sp., 48:39-40; *Larus* sp., 45:26-28
 elk (Roosevelt), see *Cervus elaphus*
Emberiza rustica, AK, 67:32
Empidonax
 difficilis, nesting, 12:80-81; 33:29-30
 hammondi, habitat use, 65:84-86; nesting, 35:48-49
 minimus, B.C., 55:43-44
 wrightii, nesting, 54:14-16; WA, 52:40
Endomychura hypoleuca, see *Synthliboramphus hypoleucus*
Enhydra lutris, AK, 56(1):13; captive behavior, 62:6-9;
 diving, 56(1):7; feeding behavior, 56(3):17-19; &
 killer whale, 61:46-47; translocation, 67:84-87
 entanglement
 by burrs, bats, 69:36-38; birds, 55:29; 62:23-24
 by fish-net, *Rangifer tarandus*, 57:66
Eptesicus fuscus, B.C., 33:42; 53:12; status, 16:41-42; WA,
 12:56; 14:77
Eremophila alpestris (includes *Otocoris a.*), attacked, 24:

EREMOPHILA—cont.

- 11; B.C., 62:21-23; breeding, 12:43-45; nesting,
 12:83; 62:21-23; OR, 21:48
Erethizon
 dorsatum (includes *E. epixanthum*), CA, 52:1-6; ma-
 ternal behavior, 64:22-23; quill in marmot bone,
 61:80-81; WA, 13:55; 19:19; 20:71; 33:13
 epixanthum, see *E. dorsatum*
Ereunetes sp., see *Calidris* sp.
Erismatura jamaicensis, see *Oxyura jamaicensis*
 ermine, see *Mustela erminea*
Erolia sp., see *Calidris* sp.
Eschrichtius
 glaucus, see *E. robustus*
 robustus (includes *E. glaucus*), B.C., 48:56-57; 58:40-
 43; diving, 49:10; feeding behavior, 43:54; OR,
 65:33-40; sexual behavior, 57:49; white color-
 ation, 60:107
Euderma maculatum, OR, 65:80
Eudromias morinellus, see *Charadrius morinellus*
Eumetopias jubatus, B.C., 57:14-16; CA, 64:18-20; col-
 lection, 1(2):3; 2(1):6; OR, 51:1-5; predation on
 seals, 63:70-71; slaughter, 8:78-79; 9:57-59; WA,
 census, 3(3):5; 67:93-96
Eunetta falcata, see *Anas falcata*
Euphagus
 carolinus, AK, 13:39; B.C., 50:23; WA, 9:20
 cyancephalus, albinism, 8:16; 25:13; OR, 44:18-21;
 WA, 8:16
Eutamias sp., see *Tamias* sp.
 evolution
 large mammals, 23:11-13
 explorers, early, see naturalists and explorers, early

F

- Falco*
 columbarius, behavior, 31:31; 6:22; feeding behavior,
 24:11; food, 6:30; 6:31; OR, 16:39-40; WA, 6:21
 mexicanus, B.C., 35:11; food, 6:30; nesting, 7:37; OR,
 16:16; WA, 4(1):13
 peregrinus, B.C., 33:42-43; 35:11; feeding behavior,
 16:71; 57:50-51; OR status, 62:43-53; WA, 8:10;
 42:43; 54:19
 ruficollis, B.C., 33:43-44; WA, 8:10; 30:40; 39:25; 41:
 29
 sparverius, food, 6:31; 15:52; 54:38; 64:63-64; nest-
 ing, 64:96-97
 falcon
 peregrine (Peale), see *Falco peregrinus*
 prairie, see *Falco mexicanus*
 fecal pellets, see scat analysis
 feeding habits
 Ardea herodias, 62:91; 63:89-91; 67:27-28
 Arenaria melanocephala, 54:38-39
 Asio flammeus, 5(1):12; 69:39
 Athene cunicularia, 64:25-26
 birds, 5(3):9-10; 6:6-7; 7:63; 31:14; 64:12-17

FEEDING HABITS—cont.

- Bombycilla cedrorum*, 19:16
Branta canadensis, 61:106–108
Calidris alba, 49:13–14;
Calidris alpina, 61:37
Canis latrans, 69:48–50
Carpodacus mexicanus, 41:7–9; 51:15–16; 55:9
Cathartes aura, 63:68–69
Chen caerulescens, 61:106–108
Colaptes auratus, 15:26; 18:30
Corvus caurinus, 69:68–69
Cyanocitta stelleri, 19:17
ducks, 3(2):6
Enhydra lutris, 56(3):17–19
Eumetopias jubatus, 63:70–71
Falco peregrinus, 16:71; 57:50–51
Falco sparverius, 54:38
Felis rufus, 46:37–39
Gavia immer, 69:53–54
Glaucidium gnoma, 41:12–13
gulls, 3(1):4
Haliaeetus leucocephalus, 57:70
Ixoreus naevius, 55:12
Larus canus, 4(2):16; 54:38–39
Loxia sp., 2(3):15
Loxia curvirostra, 10:65–66
Melospiza melodia, 16:41
Microtus sp., 15:82
Molothrus ater, 36:25
Mustela erminea, 32:8–11
Mustela vison, 12:22; 21:47
Neotoma cinerea, 12:57
Odocoileus virginianus, 54:23
Parus atricapillus, 58:18
Perisoreus canadensis, 60:28
Pica pica, 69:68–69
Picoides pubescens, 56(3):20
Pipilo erythrorththalmus, 55:9
Ptychoramphus aleuticus, 65:65–77
Rissa brevirostris, 64:47
Selasphorus rufus, 31:45
Sialia currucoides, 51:13
Sialia mexicana, 64:58–60
Sitta pygmaea, 65:49–51
snakes, 12:58
Sorex palustris, 50:23–24
Sorex vagrans, 56(1):13
Spermophilus lateralis, 48:13
Tamias amoenus, 68:24–27
Tamiasciurus douglasii, 17:18–19
Thomomys talpoides, 5(1):12
Tringa flavipes, 49:13–14
Turdus migratorius, 21:9; 59:26
Tyto alba, 46:32–36; 53:28
Vulpes vulpes, 69:68–69
waterfowl, 36:39–40
see also food; predation

FELIS

- Felis*
concolor (includes *F. oregonensis*), attacks humans, 5(2):12; 6:33–37; 10:41–42; B.C., 37:28–30; control, 30:37–39; development, 67:20–23; mortality, 69:38; predation on coyotes, 66:17; WA, 3(1):6
lynx (includes *Lynx canadensis*, *Lynx l.*), control, 30:37–39; OR, 50:16; 56(3):22–23; WA, 13:95; 45:29
oregonensis, see *Felis concolor*
rufus (includes *Lynx fasciatus*, *Lynx r.*) attack by hawk, 36:34; feeding behavior, 46:37–39
feral animals & birds
Alopex lagopus, 27:13
Capra hircus, 41:34–40
Chinchilla sp., 40:19–20
Myocastor coypus, 24:3–9; 25:30
parrots, 22:64
Phoenicopterus ruber, 46:28–29
finch
Cassin's, see *Carpodacus cassini*
house, see *Carpodacus mexicanus*
purple, see *Carpodacus purpureus*
rosy (Hepburn's, Aleutian), see *Leucosticte arctoa*
fire, effects
birds & mammals, 11(1):22; 62:10–14; 65:57–59
fish
as food
herring, eggs eaten by gulls, 54:38–39
salmon, eaten by deer, 54:23; eaten by red-tailed hawk, 61:43–44
as predators
cod, eat birds, 8:18; 23:17; 25:14
fisher (Pacific), see *Martes pennanti*
flamingo, greater (American), see *Phoenicopterus ruber*
flicker(s), food, 15:26
northern (common, red-shafted, yellow-shafted), see *Colaptes auratus*
flocking, see aggregation
flycatcher
ash-throated, see *Myiarchus cinerascens*
gray, see *Empidonax wrightii*
Hammond's, see *Empidonax hammondi*
least, see *Empidonax minimus*
olive-sided, see *Contopus borealis*
scissor-tailed, see *Tyrannus forficatus*
western, see *Empidonax difficilis*
food
Aechmophorus occidentalis, 38:5–6
Aegolius acadicus, 51:10; 63:92–93; 66:21–24
Alopex lagopus, 68:33–38
Aplodontia rufa, 62:86–87
Aquila chrysaetos, 59:28–30; 64:73–77
Asio flammeus, 9:46; 52:27; 56(2):2–4; 63:22–24; 65:48–49
Asio otus, 7:9; 9:47 errata, 9:70; 18:28–29; 20:60–61;

FOOD—cont.

- 51:8-9; 57:63-64; 58:2-6; 61:86-91; 62:80-82; 65:10-14; 67:28-30
Athene cunicularia, 8:48
 bird-eating fish, 8:18; 23:17; 25:14
 birds, 6:27-31; 6:60; 7:63; 10:19; 16:29-32
Bubo virginianus, 48:11-12; 49:1-3; 58:2-6; 62:2-5
Buteo jamaicensis, 5(3):11; 16:17; 51:38-40; 61:43-44
Calidris alba, 20:25
Callipepla californica, 69:75-78
Carduelis pinus, 47:73-75
Casmerodus albus, 48:51
Cerorhinca monocerata, 67:1-9
Colaptes auratus, 8:78; 22:19; 25:44
Cyanocitta stelleri, 7:66
 delphinids, 34:27-30
Didelphis virginiana, 61:20-30
Dryocopus pileatus, 66:90-92
Falco sparverius, 6:31; 15:52; 54:38; 64:63-64
Fratercula cirrhata, 63:51-58
Fratercula corniculata, 63:51-58
Fulmarus glacialis, 69:15-20
 game birds, 60:58-66
Glaucomys sabrinus, 65:20-22
 grouse, 29:18-19
Haliaeetus leucocephalus, 59:70-72; 63:46-50
 hawks, 10:10
Histrionicus histrionicus, 64:54-57
Juncos hyemalis, 49:29-36
Larus glaucescens, 28:40; 63:80-85
Lutra canadensis, 61:38-41
Marmota flaviventris, 10:64
Otus kennicottii, 62:80-82
 owls, 7:9-12; 46:32-36; 46:44; 46:46; 47:9-14; 51:29-33; 60:12-15
Passer domesticus, 35:14
Perisoreus canadensis, 60:28
Phoca vitulina, 62:83-86
 sap eaters, 42:43
Sciurus griseus, 4(2):10-11
Sialia currucoides, 63:59-65 errata, 64:31
Sialia mexicana, 63:59-65 errata, 64:31
Sorex vagrans, 20:62-66
Spermophilus columbianus, 67:75-78
Sterna caspia, 59:105-106
Strix varia, 65:27-29
Tamias amoenus, 68:24-27
Turdus migratorius, 42:26; 47:19
Tyto alba, 23:48-53; 50:4-8; 55:5-7; 60:106; 61:78-80; 63:29-30; 65:48-49; 66:65-68
 waterfowl, 5(3):3-5; 15:63-68; 16:66-69; 36:39-40
Zalophus californianus, 62:83-86
Zenaidura macroura, 67:60-62
 see also feeding habits; predation
 forests
 damage, by bears, 48:34-38; cottontails, 41:25; mammals, 33:38-41; rodents, 6:39

FORESTS—cont.

- infestations, of mountain pine beetles, 64:94-96; spruce budworms, 64:12-17
 use by bats, 69:21-24; birds, 56(3):6-11; 64:4-11; Hammond's flycatchers, 65:84-86; ravens, 69:69-72; small mammals, 68:94-102; spotted owls, 69:65-68
 fox(es), feeding behavior, 6:14
 arctic (blue), see *Alopex lagopus*
 kit, see *Vulpes macrotis*
 red, see *Vulpes vulpes*
 Franchére, Gabriel (early naturalist), 14:74-75
Fratercula
cirrhata (includes *Lunda c.*), food, 63:51-58; mortality, 40:21; nesting, 41:16; 61:92-94
corniculata, food, 63:51-58; mortality, 40:21
Fregata magnificens, WA, 57:43-44
 frigatebird, see *Fregata magnificens*
Fulica americana, as human food, 17:54; behavior, 20:70
 fulmar, northern (Pacific), see *Fulmarus glacialis*
Fulmarus glacialis, aggressive behavior, 55:10; breeding, 16:70-71; food, 69:15-20
 fungi as food, see mycophagy

G

- gadwall, see *Anas strepera*
Gallinago
delicata, see *G. gallinago*
gallinago (includes *G. delicata*, *Capella delicata*, *Capella g.*), AK, 13:17; behavior, 26:10; nesting, 2(3):11-12; 31:46
 game birds, & animal control, 5(2):5-7; predation by hawks & owls, 9:47; WA, 4(2):18; 4(3):3-15
 see also species names
Gavia
adamsii, B.C., 42:44-45; WA, 51:23
arctica (includes *G. pacifica*), aggressive behavior, 48:41; B.C., 58:45-47; behavior, 31:14; nesting, 12:8; Pacific NW, 59:109-110; WA, 9:69; 17:56; 31:47
immer, aggressive behavior, 62:20-21; feeding behavior, 69:53-54; WA, 30:20; 48:17
pacifica, see *G. arctica*
stellata, nesting, 12:8-9; OR, 15:25
 geese, see goose
 geographic variation, see variation
 geology & fauna, 23:11-13
 Georgia
 birds, 8:5-7
Glaucidium gnoma, behavior, 11(1):7-9; food, 7:11; hunting behavior, 41:12-13; nesting behavior, 63:94; subspecies, 20:10
Glaucionetta islandica, see *Bucephala islandica*
Glaucomys sabrinus, food, 65:20-22; ID, 22:30-31; nesting behavior, 62:54; WA, 7:42

GOAT

goat

feral, see *Capra hircus*
mountain, see *Oreamnos americanus*

godwit

bar-tailed (Pacific), see *Limosa lapponica*
Hudsonian, see *Limosa haemastica*
marbled, see *Limosa fedoa*

goldeneye

Barrow's, see *Bucephala islandica*
common, see *Bucephala clangula*

goldfinch

American (willow), see *Carduelis tristis*
lesser (green-backed), see *Carduelis psaltria*
goose (geese), Pacific NW, 52:16-19
brant, see *Branta bernicla*

Canada, see *Branta canadensis*

emperor, see *Chen canagica*

greater white-fronted (white-fronted), see *Anser albifrons*

Ross', see *Chen rossi*

snow (blue, lesser snow), see *Chen caerulescens*

gopher, see pocket gopher

goshawk, northern, see *Accipiter gentilis*

grackle

common (bronzed), see *Quiscalus quiscula*
grampus, gray, see *Grampus griseus*
Grampus griseus, B.C., 46:16; 61:44-45
grebe
eared, see *Podiceps nigricollis*
horned, see *Podiceps auritus*
 pied-billed, see *Podilymbus podiceps*
 red-necked (Holboell), see *Podiceps grisegena*
 western, see *Aechmophorus occidentalis*

grosbeak

blue, see *Guiraca caerulea*
evening, see *Coccothraustes vespertinus*
pine, see *Pinicola enucleator*

ground squirrel

Belding's, see *Spermophilus beldingi*
California (Douglas', Beechey's), see *Spermophilus beecheyi*

Cascade golden-mantled, see *Spermophilus saturatus*

Columbian, see *Spermophilus columbianus*

golden-mantled (mantled), see *Spermophilus lateralis*

Townsend's, see *Spermophilus townsendii*

Washington, see *Spermophilus washingtoni*

white-tailed antelope (antelope), see *Ammospermophilus leucurus*

see also squirrel(s)

grouse, WA, 4(3):3-15

blue (sooty, Richardson's), see *Dendragapus obscurus*
ruffed, see *Bonasa umbellus*

sage, see *Centrocercus urophasianus*

sharp-tailed, see *Tympanuchus phasianellus*

spruce (Franklin's), see *Dendragapus canadensis*

growth

alcids, 63:34-39

GROWTH—cont.

- Aplodontia rufa*, 5(1):4
Branta canadensis, 47:33-37
Felis concolor, 67:20-23
Larus glaucescens, 32:35-42; 33:2-8;
Microtus oregoni, 13:94-95
Spermophilus townsendii, 20:6-10
Sylvilagus bachmani, 17:36-40
Tachycineta bicolor, 20:11-13
Tachycineta thalassina, 9:65-66
Tamias sp., 30:27-30
Zenaida macroura, 48:14-16
see also abnormalities
Grus canadensis, AK, 12:75; CA, 55:29; chick mortality,
68:107-108; migration, 4(2):16; nesting, 12:3-6;
OR, 35:13; WA, 8:77; 38:36-37; 41:41
guillemot, pigeon, see *Cephus columba*
Guiraca caerulea, breeding, 62:91-92; ID, 50:20-21; 52:
26; OR, 57:44-46
gull(s), feeding behavior, 3(1):4; food, 6:16; predation
by river otter, 56(2):9-10; WA, 42:43-44
Bonaparte's, see *Larus philadelphicus*
California, see *Larus californicus*
Franklin's, see *Larus pipixcan*
glaucous, see *Larus hyperboreus*
glaucous-winged, see *Larus glaucescens*
herring, see *Larus argentatus*
Iceland, see *Larus glaucopterus*
mew (short-billed), see *Larus canus*
ring-billed, see *Larus delawarensis*
Ross', see *Rhodostethia rosea*
Sabine's, see *Xema sabini*
Thayer's, see *Larus thayeri*
western, see *Larus occidentalis*
- Gulo*
gulo (includes *G. luscus*), OR, 47:65; 55:15-18; WA,
19:8-10; 22:37; 38:36-37; 41:41; 49:12-13; 55:
15-18; 58:13-16
luscus, see *G. gulo*
- Gymnogyps californianus*, OR, 23:77
gyrfalcon, see *Falco rusticolus*

H

habitats

- alpine, Beartooth Mountain birds, 67:90-92; small
mammals, 14:9-12
avian, AK, 59:42-58; 60:86-94
biotic areas, Pacific NW, 27:19-24; 28:35-36
cottonwood-willow, birds, 45:22-25
Hudsonian zone, fauna, 3(2):8-9; nesting, 4(2):5-6
juniper/sagebrush, long-eared owls, 65:10-14
marsh, herons & egrets, 65:57-59
ponds, enhancement & mallard, 47:66-72
riparian, bird assemblages, 67:10-18; small mam-
mals, 68:94-102
Sonoran & Transition zones, nesting, 4(2):5-6
vegetation belts, deer mice, 47:49-50

HABITATS—cont.

zonal distribution, birds, 20:14–16; 31:22–26 errata, 31:49

Haematopus bachmani, B.C., 49:11; nesting, 49:7–9; WA, 28:6

Haliaeetus leucocephalus, AK, 13:38; behavior, 18:31–32; 20:10; 68:39–44; breeding behavior, 61:108–110; 65:22–25; feeding behavior, 20:44; 57:70; food, 6:30; 59:70–72; 63:46–50; & great blue heron, 60:31–33; nesting, 56(3):2–6; 58:37–39; 64:33–38; OR, 64:33–38; predation behavior, 20:42; 48:20–21; predation by black bear, 60:106–107; WA, 2(1):6; 67:45–50; winter behavior, 60:99–105

hare

- Alaska (tundra), see *Lepus othus*
- snowshoe (Washington), see *Lepus americanus*
- see also jackrabbit

Harelda hyemalis, see *Clangula hyemalis*

harrier, northern, see *Circus cyaneus*

hatching

- Ardea herodias*, 62:73–79
- Turdus migratorius*, 54:38
- see also eggs; reproductive success

Hawaii

- Puffinus griseus*, 41:46
- Rattus rattus*, 17:2–14
- Sula sula*, 28:42
- hawk(s), food, 6:27–31; 10:10–11; migration, 3(3):5; & pest control, 5(2):5–7
- broad-winged, see *Buteo platypterus*
- Cooper's, see *Accipiter cooperii*
- duck, see *Falco peregrinus*
- ferruginous (ferruginous rough-legged), see *Buteo regalis*
- marsh, see *Circus cyaneus*
- pigeon, see *Falco columbarius*
- red-shouldered (red-bellied), see *Buteo lineatus*
- red-tailed, see *Buteo jamaicensis*
- rough-legged, see *Buteo lagopus*
- sharp-shinned, see *Accipiter striatus*
- sparrow, see *Falco sparverius*
- Swainson's, see *Buteo swainsoni*
- hemoglobins, see electrophoresis
- Henry, Alexander (early explorer), 14:74–75
- herbicides, see pollution
- heron(s), colony, 13:92–93
- black-crowned night- (night-), see *Nycticorax nycticorax*
- great blue (blue, northwest coast, Treganza), see *Ardea herodias*
- green-backed (Anthony's green), see *Butorides striatus*
- Hesperiphona vespertina*, see *Coccothraustes vespertinus*
- Heteroscelus incanus*, AK, 4(3):17
- hibernation
- bats, 33:42; 65:46
- Perognathus* sp., 4(1):12
- Spermophilus townsendii*, 17:17–18

HIBERNATION—cont.

Zapus trinotatus, 13:55–56; 20:17–18; 22:16–18

Himantopus mexicanus, WA, 41:30; 60:67–71

Hirundo erythogastra/er, see *H. rustica*

pyrrhonota (includes *Petrochelidon p.*), AK, 48:18; B.C., 44:9–10; nesting, 16:41; predation by snakes, 61:35–36

rustica (includes *H. erythogastra/er*), albinism, 25:12; 31:11; 43:16; 51:10; nesting, 30:17–18; parasites, 11:74; WA, 59:108

history, see mammalogy; naturalists and explorers, early; ornithology

Histrionicus histrionicus, B.C., 9:70; 33:13; behavior, 42:4–5; food, 64:54–57; survey, 40:22–23; 41:16; WA, 10:36; 36:17

home range

- Martes americana*, 36:1–8;
- small mammals, 60:50–57
- see also dispersal; migration; movements

humans attacked

- Felis concolor*, 5(2):12; 6:33–37; 10:41–42
- Ursus arctos*, 12:79–80
- see also aggression

hummingbird(s), albinism, 55:4

- Anna's, see *Calyptra anna*
- black-chinned, see *Archilochus alexandri*
- broad-tailed, see *Selasphorus platycercus*
- Calliope, see *Stellula calliope*
- rufous, see *Selasphorus rufus*

hybrids

- Bucephala* sp., 39:11
- Colaptes* sp., 14:16
- ducks, 5(1):12
- grouse x pheasant, 58:78
- gulls, 27:39–40; 64:48–51; 64:87
- rabbits, 61:95–98
- warblers, 64:65–72
- waterfowl, 22:20; 22:39

Hydrochelidon nigra, see *Chlidonias niger*

Hydroprogne caspia, see *Sterna caspia*

Hylocichla mustelina, ID, 46:45–46

I

ibis, white-faced (white-faced glossy), see *Plegadis chihi*

Icterus

- bullockii*, see *I. galbula*
- galbula* (includes *I. bullockii*), B.C., 36:43; OR, 21:47; 57:68–69; predation by snake, 66:95–97; response to ashfall, 62:15

Idaho

- Ammospermophilus leucurus*, 33:44
- Amphispiza bilineata*, 61:112–113
- Asio flammeus*, 9:46
- Asio otus*, 57:63–64; 61:86–91; 62:80–82

IDAHO—cont.

- birds, 4(1):3-4; 7:35-36; 9:28-38; 9:47; 15:69-72; 17:53; 27:10-12; 31:2-8; 34:1-5; 34:6-8; 37:4-10; 40:30-33; 41:1-6; 43:9-14; 43:40-50; 57:32-34; 58:87-88; 65:91-93; 68:69-93
- Bombycilla garrulus*, 18:30
- Bubulcus ibis*, 63:88-89
- Bucephala albeola*, 60:72-73
- Bucephala islandica*, 59:107-108
- Buteo jamaicensis*, 57:70-71
- Buteo regalis*, 57:46-47
- Calidris canutus*, 63:72
- Ceryle alcyon*, 40:20
- Circus cyaneus*, 27:52
- Clangula hyemalis*, 31:47
- Coccyzus erythrophthalmus*, 33:44
- Colaptes auratus*, 34:48
- Columba fasciata*, 55:27-28
- Corvus corax*, 63:30-32
- Dendroica striata*, 46:45-46
- Gavia arctica*, 59:109-110
- Glaucomys sabrinus*, 22:30-31
- Guiraca caerulea*, 50:20-21; 52:26; 62:91-92
- Haliaeetus leucocephalus*, 61:108-110
- Hylocichla mustelina*, 46:45-46
- mammals, 16:7-10; 18:22-27
- Mustela erminea*, 32:8-11
- Numenius phaeopus*, 63:68
- Oreoscoptes montanus*, 57:67
- Otus kennicottii*, 62:80-82
- Ovis canadensis*, 53:28-29
- owls, 60:12-15
- Pelecanus erythrorhynchos*, 62:19-20
- Plecotus rafinesquii*, 29:48
- Quiscalus quiscula*, 32:13; 37:36
- raptors, 65:91-93
- Scapanus orarius*, 34:9; 67:96
- Seiurus aurocapillus*, 32:29; 66:93
- Seiurus noveboracensis*, 21:48; 22:39
- Sorex hoyi*, 67:81-82
- Sorex merriami*, 67:19-20
- Spermophilus columbianus*, 64:62-63
- Spermophilus variegatus*, 69:50-53
- Stercorarius parasiticus*, 62:26-27 addition, 63:72
- Sturnus vulgaris*, 32:13
- Sympetrum borealis*, 34:10
- Toxostoma rufum*, 46:45-46
- Ursus arctos*, 53:8-9
- waterfowl, 17:53
- Zapus princeps*, 20:71
- Zenaida macroura*, 67:60-62
- illustrations
- birds, 22:26-29
- incubation
- Actitis macularia*, 23:16
- alcids, 65:53-56
- Charadrius vociferus*, 51:12-13

INCUBATION—cont.

- Dendragapus obscurus*, 69:73-75
see also breeding behavior; eggs; nesting behavior
- India
- Branta canadensis*, 51:26
- injuries
- birds, 10:39
- Corvus* sp., 13:54
- gulls, 5(1):9
- Marmota caligata*, 61:80-81
- Mergus merganser*, 11(1):19
- Oreamnos americanus*, 53:11
- Phasianus colchicus*, 4(1):9
- Plecotus townsendii*, 53:10-11
see also diseases
- insects
- ants, eaten by quail, 69:75-78; harass cranes, 68:107-108
- corn earworms, eaten by blackbirds, 54:8-10
- beetles, & birds, 64:94-96; cached by owls, 64:25-26; eaten by hawks, 54:38; eaten by quail, 69:75-78
- flies, in owl nests, 67:83-84
- maggots, attack young birds, 21:65
- moths, eaten by birds, 35:14
- spruce budworms, & birds, 64:12-17
- introduced species
- Acridotheres cristatellus*, 8:14; 12:84-85; 19:18; 36:28-29
- Alauda arvensis*, 36:28-29
- Anas platyrhynchos*, 47:66-72
- Branta canadensis*, 35:14
- Castor canadensis*, 8:78; 37:18-19
- Cervus elaphus*, 16:3-6; 16:42
- Didelphis virginiana*, 24:27-28; 36:42; 52:40-41; 60:95-98; 61:20-30
- game birds, 4(3):3-15
- Myocastor coypus*, 24:3-9; 25:30
- Odocoileus virginianus*, 31:43-44
- Ondatra zibethicus*, 55:1-4; 55:7-8
- Oreamnos americanus*, 6:10; 13:25; 40:1-4; 51:13
- Oryctolagus cuniculus*, 65:80-83; 66:24
- parrots, 22:64
- Sciurus carolinensis*, 22:63-64
- Sciurus niger*, 60:73-74
- squirrels, 22:63-64
- Sturnus vulgaris*, 5(2):12; 28:12; 28:21; 29:28-29; 30:18; 31:11; 31:30-31; 32:13; 32:24; 34:47; 39:27-28; 40:8-9
- Sus scrofa*, 68:57-58
- Sylvilagus floridanus*, 34:9-10; 61:95-98
- waterfowl food plants, 16:66-69
- invertebrates, see insects; mollusks
- Iridoprocne bicolor*, see *Tachycineta bicolor*
- Ixobrychus exilis*, B.C., 36:44

IXOREUS

Ixoreus naevius, feeding behavior, 55:12; nesting 15:52; 21:47

J

jackrabbit

black-tailed (California), see *Lepus californicus*
white-tailed, see *Lepus townsendii*
see also hare

jaeger

long-tailed, see *Stercorarius longicaudus*
parasitic, see *Stercorarius parasiticus*
pomarine, see *Stercorarius pomarinus*

jay

blue, see *Cyanocitta cristata*
gray (Canada, Alaska), see *Perisoreus canadensis*
scrub (California long-tailed, Nicasio), see *Aphelocoma coerulescens*

Steller's, see *Cyanocitta stelleri*

jumping mice, see mouse

juncos, dark-eyed (gray-headed, Oregon, Shufeldt, slate-colored), see *Junco hyemalis*

Junco

caniceps, see *J. hyemalis*

hyemalis (includes *J. caniceps*, *J. montanus*, *J. oregonus*), albinism, 28:38; 39:10; B.C., 57:51; CA, 15:26; food, 49:29-36; nesting, 25:12; 28:22; 37:10; nesting behavior, 61:100; WA, 5(1):5-7

montanus, see *J. hyemalis*

oreganus, see *J. hyemalis*

K

kestrel, American, see *Falco sparverius*killdeer, see *Charadrius vociferus*

kingbird

eastern, see *Tyrannus tyrannus*
tropical, see *Tyrannus melancholicus*
western (Arkansas), see *Tyrannus verticalis*

kingfisher, belted, see *Ceryle alcyon*

kinglet

golden-crowned, see *Regulus satrapa*
ruby-crowned, see *Regulus calendula*

kite, black-shouldered (white-tailed), see *Elanus caeruleus*

kittiwake

black-legged (Pacific), see *Rissa tridactyla*
red-legged, see *Rissa brevirostris*

knot, red, see *Calidris canutus*

L

Lagenorhynchus obliquidens, B.C., 33:10-11; food, 34:27-30

Lagopus

lagopus, AK, 13:38

leucurus, food, 29:18-20

LAGOPUS—cont.

mutus (includes *L. rupestris*), B.C., 16:39
rupestris, see *L. mutus*

Lagurus curtatus, see *Lemmiscus curtatus*

Lanius

borealis, see *L. excubitor*
excubitor (includes *L. borealis*), OR, 38:3
ludovicianus, nesting, 5(2):11; OR, 15:51
lark, horned, see *Eremophila alpestris*
Larus sp., electrophoretic patterns, 45:26-28
argentatus, B.C., 18:28; OR, 15:25; WA, 19:16
argentatus thayeri, see *L. thayeri*
brachyrhynchus, see *L. canus*
californicus, banding, 20:43; behavior, 58:47-49; WA, 13:53

canus (includes *L. brachyrhynchus*), feeding behavior, 4(2):16; food, 54:38-39; nesting, 12:35-37; WA, 42:43-44

delawarensis, AK, 53:31-32; nesting behavior, 58:86-87; OR, 42:7-8; WA, 17:55

glaucescens, albinism, 11(1):18; B.C., 6:55-57; banding, 5(1):9; 23:77; 44:17; 46:48; behavior, 4(1):10-11; 18:31; 31:14; coloration, 28:39-40; food, 28:40; 40:20; 63:80-85; growth, 32:35-42; 33:2-8; hybridization, 27:39-40; injury, 5(1):9; nesting, 12:11; 30:57; 30:58; 41:16; 49:7-9; 52:20-23; 53:51; 63:27-29; 69:10-14; nesting population, 58:18-20; predation by river otter, 59:92-95; predation on rabbits, 66:24; WA, 10:64

glaucoides (includes *L. leucopterus*), WA, 32:44

hyperboreus, attacked by jaeger, 65:52; B.C., 9:69; nesting, 12:10-11; WA, 6:12; 6:32

leucopterus, see *L. glaucopterus*

occidentalis, hybridization, 27:39-40; nesting, 27:39-40; 64:87-91; predation on murre fledgling, 67:30-31; re-identification, 60:75-76; WA, 6:12; 6:13; 6:32; errata, 7:18; 7:18

philadelphiana, B.C., 58:45-47; nesting, 12:37-40; OR, 65:87-90

pipixcan, WA, 23:18; 39:13; 48:19

thayeri (includes *L. argentatus thayeri*), disease, 24:29; Pacific NW, 18:19-21; WA, 6:41

Lasionycteris noctivagans, forest use, 69:21-24; OR, 34:32; WA, 17:56; 34:32

Lasiurus cinereus (includes *Nycterus cinerea*), forest use, 69:21-24; migration, 24:20-24; OR, 11:75; WA, 14:77; 15:26; 16:72

lemming

brown, see *Lemmus sibiricus*

northern bog, see *Synaptomys borealis*

Lemmiscus curtatus (includes *Lagurus c.*), OR, 52:26; using cow chips, 50:35-36; WA, 29:44-47

Lemmus

nigripes, see *L. sibiricus*

sibiricus (includes *L. nigripes*, *L. trimucronatus*), geographic variation, 25:19-25

trimucronatus, see *L. sibiricus*

LEPUS

- Lepus* sp., WA, 11(2):18
americanus (includes *L. bairdi*, *L. washingtonii*), breeding, 11:74-75; 14:77-78; tree damage by, 6:39
bairdi, see *L. americanus*
californicus, mortality, 3(1):4; parasites, 2(1):12; populations, 35:15
othus, AK, 59:72-74
townsendii, populations, 35:15
washingtonii, see *L. americanus*
leucism, see coloration
Leucosticte sp., WA, 2(3):7
arctoa (includes *L. griseonucha*, *L. tephrocotis*), B.C., 13:54; eggs, 2(1):5; migration, 45:28; WA, 9:47-48; 15:79
griseonucha, see *L. arctoa*
tephrocotis, see *L. arctoa*
Lewis, Meriwether (early explorer), 14:55-72; 34:1-5
Lewis and Clark Expedition
birds, 14:55-72; 34:1-5
Limnodromus sp., systematics, 15:23; 16:15
griseus, behavior, 13:17-18; WA, 2(3):7; 66:31-34
scolopaceus, WA, 2(3):7; 41:15
Limnothlypis swainsonii, habitat, 4(1):5-7
Limosa
feda, WA, 8:77; 9:22; 32:43
haemastica, AK, 35:51; 44:8; WA, 41:16
lapponica, nesting 11(1):3-6
lion
mountain, see *Felis concolor*
sea, northern (Steller's), see *Eumetopias jubatus*
Lissodelphis borealis, OR, 50:9; WA, 21:10
Lobipes lobatus, see *Phalaropus lobatus*
longevity
Corvus brachyrhynchos, 23:77
Larus glaucescens, 23:77
Peromyscus maniculatus, 41:27
see also age determination
longspur
chestnut-collared, see *Calcarius ornatus*
Lapland (Alaska), see *Calcarius lapponicus*
loon
arctic (Pacific), see *Gavia arctica*
common, see *Gavia immer*
red-throated, see *Gavia stellata*
yellow-billed, see *Gavia adamsii*
Lophodytes cucullatus, nesting, 15:51-52; 17:53-54; 35:47; 35:48; WA, 54:10-11
Lophortyx californicus, see *Callipepla californica*
Loxia sp., feeding behavior, 2(3):15; 3(1):5
curvirostra, B.C., 23:77; feeding behavior, 10:65-66;
mortality, 47:75; nesting, 5(2):10
leucoptera, WA, 4(3):17; 34:32; 39:20; 58:21
Lunda cirrhata, see *Fratercula cirrhata*
Luscinia svecica, status, 56(2):5-8
Lutra
canadensis (includes *L. pacifica*), breeding behavior,

LUTRA—cont.

- 48:20; food, 61:38-41; os clitoridis, 20:20-21; predation on gulls, 56(2):9-10; 59:92-95; predation on seabirds, 65:25-27
pacifica, see *L. canadensis*
lynx, see *Felis lynx*
Lynx
canadensis, see *Felis lynx*
fasciatus, see *Felis rufus*
lynx, see *Felis lynx*
rufus, see *Felis rufus*

M

- magpie, black-billed, see *Pica pica*
mallard, see *Anas platyrhynchos*
mammalogy
history in Washington 13:63-91
mammals, large, abnormal skulls, 20:19; AK, 2(2):17-18; 34:18-26; 45:1-8; B.C., 3(2):8-9; 8:43-44; 37:28-30; 40:1-4; evolution, 23:11-13; & geology, 23:11-13; Grand Coulee, 31:39-42; ID, 16:7-10; 18:22-27; mortality, 39:41; Olympic Peninsula, 33:32-37; predation by, 30:37-39; preservation of museum specimens, 19:14-15; serum protein electrophoresis, 39:32-36; type specimens, 13:63-91; WA, 3(1):6-7; 3(1):8; 6:5; 7:3-7; 11(2):14-15; 11:65-67; 12:22; 12:26; 12:50-53; 13:47-49; 14:37-41; 15:46-48; 20:70-71; 21:53-58; 25:35-42; 26:29-30; 40:1-4; WY, 5(3):8-9
see also species names
mammals, marine, & active volcano, 61:50-62; AK, 45:1-8; 58:58-72; 61:6-19; 62:34-42; B.C., 49:7-9; 57:35-42; Pacific NW, 46:1-6; slaughter, 8:78-79; 9:57-59; WA, 42:29-37; 44:25-26; 58:21-23; West Coast list, 23:42-47
see also species names
mammals, small, AK, 2(2):17-18; 34:18-26; 39:37-39; 45:1-8; B.C., 10:38-39; 40:1-4; 57:35-42; breeding, 13:25; burrow association, 26:24-26; damage & control, 5(2):5-7; 6:39; dormancy, 22:15-18; Grand Coulee, 31:39-42; Hudsonian zone, 3(2):8-9; ID, 16:7-10; 18:22-27; MT, 37:2-3; mortality, 39:41; on mountain tops, 14:9-12; night movies, 21:62-64; Olympic Peninsula, 33:32-37; OR, 36:26-27; 46:44; 48:11-12; parasites, 26:11-14; population dynamics, 14:51-54; predation on, 28:18-21; preservation of museum specimens, 19:14-16; response to fire, 2:10-14; riparian zones, 68:94-102; serum protein electrophoresis, 39:32-36; trapping, 21:71-72; type specimens, 13:63-91; WA, 1(2):4-7; 2(2):5-7; 3(1):8; 4(1):12-13; 6:5; 7:3-7; 7:27-30; 7:67; 8:47; 9:9-14; 13:47-49; 14:37-41; 16:52; 20:70-71; 21:53-58; 25:35-42; 26:29-30; 40:1-4; 44:25-26; 65:80-83; WY, 12:76-78
see also owl(s); food/pellets; species names
management

Alces alces & dams, 38:1-3

MANAGEMENT—cont.

- Anas platyrhynchos*, 47:66-72
Callipepla californica, 22:9-11
heron & egret habitat, 65:57-59
wildlife & weather data, 27:28-33 errata, 27:41
see also control, animal; damage, economic
- Mareca*
americana, see *Anas americana*
penelope, see *Anas penelope*
- Marila marila*, see *Aythya marila*
- marine birds, see seabirds
- marine mammals, see mammals, marine
- marmot
hoary, see *Marmota caligata*
yellow-bellied, see *Marmota flaviventris*
- Marmota*
caligata, abnormal teeth, 62:92; injury, 61:80-81; WA, 56(1):11-12
flaviventris, see *M. flaviventris*
flaviventris (includes *M. flaviventer*), B.C., 40:1-4; behavior, 13:25; 13:56; eaten by eagles, 59:28-30; food, 10:64; MT, 31:32; natural history, 11(2):3-6; WA, 15:81; 40:1-4
monax, B.C., 44:24
- marten (pine), see *Martes americana*
- Martes*
americana, breeding behavior, 61:102-103; trapping, 36:1-8
pennanti, MT, 54:22; WA, 19:8-10
- martin, purple, see *Progne subis*
- meadowlark, western, see *Sturnella neglecta*
- measurements
Alaskan mammals, 34:18-26; 39:37-41
Branta canadensis, 51:34-37; 53:33-34
Castor canadensis, 65:78-79
Cervus elaphus, 65:41-44
Didelphis virginiana, 60:95-98
dolphins & porpoises, 34:27-30
Limnodromus scolopaceus, 41:15
Peromyscus maniculatus, 47:49-50
Sciurus griseus, 54:20-21
Ursus arctos, 40:14-16
see also weights
- Megacyrle alcyon*, see *Ceryle alcyon*
- Megaptera*
nudosa, see *M. novaeangliae*
novaeangliae (includes *M. nudosa*), WA, 11:75
- Megalestris skua*, see *Catharacta maccormicki*
- Melanerpes*
erythrocephalus, B.C., 47:45
formicivorus (includes *Balanophyra formicivora*), OR, 35:14
lewis (includes *Asyndesmus l.*), WA, 40:10
- melanism
Odocoileus hemionus, 37:34
see also albinism; coloration

MELANITTA

- Melanitta*
fusca, OR, 37:24; WA, 63:69-70
nigra (includes *Oidemia americana*), AK, 12:74; OR, 15:25; 37:17
perspicillata, behavior, 31:14; coloration, 4(1):9; OR, 23:16; 35:31; 37:35-36; 39:25; 49:11-12
- Meleagris gallopavo*, nesting, 8:6; WA, 4(3):3-15
- Melospiza*
georgiana, B.C., 59:102-104; 63:96
lincolni, WA, 39:20
melodia, agonistic behavior, 61:72-77; B.C., 12:55; behavior, 18:29-30; feeding behavior, 16:41; OR, 6:61; systematics, 14:78-79; WA, 3(3):4; 6:41; 6:61
- Menzies*, Archibald (early ornithologist), 14:30-36
- Mephitis*
mephitis (includes *M. occidentalis*), & great horned owl, 62:26; WA, 20:71
occidentalis, see *M. mephitis*
- merganser*
common (American), see *Mergus merganser*
hooded, see *Lophodytes cucullatus*
red-breasted, see *Mergus serrator*
- Mergus*
americanus, see *M. merganser*
merganser (includes *M. americanus*), brood size, 46:47-48; escape behavior, 46:47; injury, 11(1):19; OR, 39:26
serrator, AK, 12:71; OR, 35:31; WA, 31:13
- merlin, see *Falco columbarius*
- Mesophoyx intermedia*, see *Egretta intermedia*
- metabolic rates
mice & voles, 20:54-56
- Mexico*
birds, 4(2):12-15; 7:16-17; 7:55
Phoca vitulina, 55:44
- mice, see mouse
- Microdipodops megacephalus*, UT, 22:5-7
- Micropalama himantopus*, see *Calidris himantopus*
- Microsorex hoyi*, see *Sorex hoyi*
- Microtus* sp., B.C., 10:38-39; feeding behavior, 15:82; as food, 5(1):12; & great horned owl, 39:18; WA, 4(1):12
californicus, OR, 53:32-33
longicaudus, abnormal teeth, 51:11; B.C., 40:1-4; chromosomal variation, 61:2-5; incisors, 59:104-105; WA, 40:1-4
- montanus* (includes *M. nanus*), abnormal coloration, 50:39; WA, 4(1):12
- nanus*, see *M. montanus*
- oeconomus*, predation on auklets, 63:9-14
- oregoni*, B.C., 40:1-4; growth, 13:94-95; natural history, 13:94-95; OR, 16:33-34
- pennsylvanicus*, damage by, 3(1):4; metabolic rate, 20:54-56; WA, 4(1):12
- richardsoni*, B.C., 41:13-14; OR, 51:12

MICROTUS—cont.

- townsendii*, feeding behavior, 8:15; population dynamics, 28:18-21; predation on, 28:18-21; subspecies, 17:15-16; 21:7-8; WA, 68:63-66
- migration
Alces alces, 60:6-11
 birds, 4(2):6-8; 15:53; 45:15-22
Branta bernicla, 16:40-41
Branta canadensis, 11(2):18; 12:25-26; 20:5
Cerorhinca monocerata, 65:57
 cranes, 4(2):16
Cygnus columbianus, 69:1-9
 ducks, 23:14-16
Eschrichtius robustus, 58:40-43
Grus canadensis, 41:41
 hawks, 3(3):5
 hazards encountered, 10:39; 10:54
Lasiurus cinereus, 24:20-24
Leucosticte arctoa, 45:28
Nyctea scandiaca, 12:57-58
 passerines, 15:53
 sandpipers, 54:1-3
 shore birds, 39:21-22; 40:33; 54:31-33
Turdus migratorius, 12:24-25
 waterfowl, 5(2):10-11; 7:66; 16:40-41; 20:5; 43:19-28
 see also dispersal; home range; movements
- milk
Callorhinus ursinus, 39:40
- Mimus polyglottos*, AK, 34:11; B.C., 45:49; OR, 32:29; 36:29; WA, 16:17-18; 28:11; 43:15
- mink (western), see *Mustela vison*
- Mirounga angustirostris*, diving, 45:9; WA, 44:23-24; 50:37
- Mniotilla varia*, WA, 48:21; 57:66-67
- mockingbird, northern, see *Mimus polyglottos*
- mole(s), B.C., 11(2):17-18
 Coast, see *Scapanus orarius*
 shrew- (Gibb's), see *Neurotrichus gibbsii*
 Townsend's, see *Scapanus townsendii*
- mollusks
 cephalopods, eaten by northern fulmar, 69:15-20
 clams, eaten by loons, 69:53-54
- Molothrus ater*, albinism, 17:19-20; behavior, 43:15; 45:49; feeding behavior, 36:25; OR, 35:51; WA, 39:27
- molt, *Cyanocitta stelleri*, 31:33-34
- Montana
Aegolius funereus, 68:68
Anas penelope, 46:49
 birds, 3(2):17-19; 43:29-35; 64:1-11; 64:12-17; 67:10-18; 67:90-92
Bubo virginianus, 49:1-3
Buteo jamaicensis, 51:38-40
Cypseloides niger, 53:50-51
 mammals, 18:22-27; 37:2-3
Marmota flaviventris, 13:56; 31:32

MONTANA—cont.

- Martes pennanti*, 54:22
Nyctea scandiaca, 12:57-58
Pandion haliaetus, 63:40-45
Parus rufescens, 57:18
Sayornis saya, 51:14-15
Strix varia, 65:27-29
- moose, see *Alces alces*
- mortality
 by automobile, birds, 13:95; 39:41; *Lepus californicus*, 3(1):4; mammals, 39:41; *Mustela frenata*, 68:67-68; *Phalaenoptilus nuttallii*, 14:44; *Turdus migratorius*, 42:26
 by bad weather, birds, 22:36; *Rissa brevirostris*, 59:37; *Tachycineta thalassina*, 17:54-55
 by bowel obstruction, *Phoca vitulina*, 50:8
 by burrs, bats, 69:36-38; *Regulus satrapa*, 55:29; small birds, 62:23-24
 by drowning, *Cervus elaphus*, 55:39-40; *Vireo olivaceus*, 36:26; 36:44
 by electrocution, *Turdus migratorius*, 12:85
 by fires, 11(1):22; *Loxia curvirostra*, 47:75
 by lighthouse/towers, birds, 4(2):8-10; 10:39
 by lipid slick, seabirds, 65:15-19
 by porcupine quill, *Pica pica*, 42:21
 by rubber bands, *Oxyura jamaicensis*, 36:41
 by suffocation, *Podiceps grisegena*, 26:28
 by unknown causes, *Bubo virginianus*, 12:57; *Felis concolor*, 69:38; *Fratercula* sp., 40:21
- mortality rates
 B.C. birds, 12:18-20
 sea/shorebirds, 67:51-59
 waterfowl, 37:31-34
- mounds
 birds, 41:24
Scapanus townsendii, 47:47-48
- Thomomys* sp., 23:34-41; 29:9-10
 see also burrows
- mountain beaver, see *Aplodontia rufa*
- mountain lion, see *Felis concolor*
- mouse (mice), damage by, 2(2):6; 3(1):4; epidemic of, 8:80; WA, 4(1):12
- California field (meadow), see *Microtus californicus*
- Cascade meadow (water vole), see *Microtus richardsoni*
- Columbian, see *Peromyscus oreas*
- dark kangaroo (kangaroo), see *Microdipodops megacephalus*
- deer, see *Peromyscus maniculatus*
- field, see *Microtus* sp.
- forest deer, see *Peromyscus oreas*
- Great Basin pocket, see *Perognathus parvus*
- little pocket, see *Perognathus longimembris*
- meadow, see *Microtus pennsylvanicus*
- northern grasshopper (grasshopper), see *Onychomys leucogaster*
- Pacific (Northwest) jumping, see *Zapus trinotatus*

MOUSE—cont.

- pocket, see *Perognathus* sp.
 red tree, see *Arborimus longicaudus*
 southern (Olympic) red-backed, see *Clethrionomys gapperi*
 western harvest (harvest), see *Reithrodontomys megalotis*
 western jumping (jumping), see *Zapus princeps*
 white-footed, see *Peromyscus leucopus*
 see also vole
- movements
Calidris alpina, 66:11–16
Mustela erminea, 45:10
Odocoileus hemionus, 34:41–46
Ondatra zibethicus, 36:26
 see also dispersal; home range; migration
- murre
 common, see *Uria aalge*
 thick-billed, see *Uria lomvia*
- murrelet
 ancient, see *Synthliboramphus antiquus*
 Kittlitz's, see *Brachyramphus brevirostris*
 marbled, see *Brachyramphus marmoratus*
 Xantus', see *Synthliboramphus hypoleucus*
- Mus*, B.C., 10:38–39
musculus, damage by, 3(1):4
- Muscivora forficata*, see *Tyrannus forficatus*
- museum specimens
 oil removal, 5(3):12
 preservation, 19:14–15
 skulls cleaned, 21:10
 see also collections
- muskrat, see *Ondatra zibethicus*
- Mustela*, behavior, 11(2):16–17; 14:76–77; rabbit tale, 3(3):5
arizonensis, see *M. erminea*
erminea (includes *M. arizonensis*), AK, 38:36; albinism, 53:9–10; feeding behavior, 32:8–11; & ground squirrels, 6:52; movement, 45:10
- frenata* (includes *M. saturata*, *M. xanthogenys*), behavior, 13:54–55; 26:30–31; coloration, 29:29; feeding behavior, 32:8–11; mortality, 68:67–68
- nivalis* (includes *M. rixosa*), WA, 13:24
rixosa, see *M. nivalis*
saturata, see *M. frenata*
vison, behavior, 27:2–3; feeding behavior, 21:47; food, 12:22; WA, 44:25–26
- xanthogenys*, see *M. frenata*
- mutualistic behavior
 woodpecker 'helped' by house wren, 49:4–6
- Myadestes townsendi*, AK, 63:94–95; B.C., 23:77; behavior, 8:16; 43:53; flock, 34:47; nesting, 8:12–13
- mycophagy
 jays, 60:28
Tamias amoenus, 68:24–27
 see also feeding habits; food
- Myiarchus cinerascens*, B.C., 41:9; WA, 4(3):18; 8:48

MYNAH

- mynah, crested, see *Acridotheres cristatellus*
Myocastor coypus, feral, 24:3–9; 25:30
Myotis sp., WA, 55:13–14
 evotis, cave use, 65:46
 lucifugus, B.C., 33:42
 thysanodes, OR, 23:62; WA, 42:44; 49:26–27

N

- Nannus* sp., see *Troglodytes* sp.
 naturalists and explorers, early, 14:27–36; 14:55–75; 15:2–19; 18:2–13; 19:2–7
 Clarke, William, 14:55–72
 Douglas, David, 15:2–16
 Franchère, Gabriel, 14:74–75
 Henry, Alexander, 14:74–75
 Lewis, Meriwether, 14:55–72
 Menzies, Archibald, 14:30–36
 Nuttall, Thomas, 18:2–13; 19:2–7
 Scouler, John, 15:16–19
 Townsend, John Kirk, 18:2–13; 19:2–7
Neosorex bendirii, see *Sorex bendirii*
Neotoma
 cinerrea, behavior, 1(2):6–7; breeding behavior, 47:6–8; food, 12:57; natural history, 17:19; nesting, 46:46; 47:72
 fuscipes, OR, 42:6
 nest boxes, use, 3(2):7
Aegolius acadicus, 40:21
Lophodytes cucullatus, 35:47
Otus flammeolus, 63:66–68
 nest parasitism
 house wren on violet-green swallow, 3(2):7
 pheasant on ruffed grouse, 39:10
 nesting behavior/nests
 1932 season, 14:17–18
 1933 season, 14:80
Accipiter striatus, 10:40–41; 11(1):13–14; 12:12
Aechmophorus occidentalis, 69:28–33
Aegolius acadicus, 40:21; 63:94
Aeronautes saxatalis, 47:20–21
Agelaius phoeniceus, 16:38–39
Aix sponsa, 8:15; 15:51–52
 Alaskan birds, 10:55–57
Amphispiza bilineata, 61:112–113
Anas acuta, 46:12–14
Anas clypeata, 22:32–35
Anas crecca, 8:18
Anas platyrhynchos, 35:10
Anas strepera, 64:27–31
Aquila chrysaetos, 22:40–41; 27:34; 65:29–30
Archilochus alexandri, 65:53
Ardea herodias, 2(3):6; 6:25–27; 7:13–14; 13:26; 13:35–37; 13:92–93; 15:53; 58:7–12; 62:73–79; 63:91–92; 65:57–59
Asio otus, 35:31; 46:39; 51:8–9; 61:86–91; 65:10–14

NESTING BEHAVIOR/NESTS—cont.

- Aythya collaris*, 46:43; 62:55–56
 birds, dates, 2(2):8–12
Bombycilla garrulus, 41:44
Bonasa umbellus, 39:10
Brachyramphus brevirostris, 63:27
Brachyramphus marmoratus, 2(3):7; 2(3):8; 7:1–2; 7:
 31–32; 9:68; 15:24; 16:71
Branta canadensis, 37:14–17; 48:46–51; 64:27
 British Columbian birds, 26:38–46
Bubo virginianus, 6:20; 6:58; 39:18; 39:28
Bubulcus ibis, 66:28–29
Bucephala albovula, 42:5; 68:50
Bucephala islandica, 39:26; 59:107–108
Buteo regalis, 64:20–22
Buteo swainsoni, 64:20–22
Butorides striatus, 35:48; 41:26
Carpodacus mexicanus, 22:36
Catherpes mexicanus, 22:20
Cephus columba, 3(3):10
Chaetura vauxi, 12:25; 42:25–26; 58:73–77
Chamaea fasciata, 7:64
Charadrius semipalmatus, 53:11–12
Charadrius vociferus, 14:45; 16:38
Chlidonias niger, 48:52–56
Chordeiles minor, 7:51–53
Cinclus mexicanus, 7:67; 11(1):20
Circus cyaneus, 27:52; 35:10; 66:82–84
Cistothorus palustris, 2(3):5; 30:58
Coccyzus americanus, 4(2):17
Colaptes auratus, 59:31–33
Columba fasciata, 3(3):11; 17:21–22
Contopus borealis, 35:49
Corvus brachyrhynchos, 40:6–7
Corvus corax, 69:69–72
Coturnicops noveboracensis, 25:29
Cyanocitta stelleri, 8:76; 11:68–69; 12:57; 42:9
Cygnus buccinator, 52:24–25
Cypseloides niger, 40:9–10; 53:50–51
Dendragapus obscurus, 13:94
Dendroica townsendi, 1(2):10–11; 64:23–25
 ducks, 2(3):5
Egretta thula, 8:5; 65:57–59
Empidonax difficilis, 12:80–81; 33:29–30
Empidonax hammondi, 35:48–49
Empidonax wrightii, 54:14–16
Eremophila alpestris, 62:21–23
Euphagus cyanocephalus, 44:18–21
Falco peregrinus, 62:43–53
Falco sparverius, 64:96–97
Fratercula cirrhata, 41:16; 61:92–94
Gallinago gallinago, 2(3):11–12; 31:46
Glaucidium gnoma, 63:94
Glaucomys sabrinus, 62:54
Grus canadensis, 12:3–6
 gulls & cormorants, 52:20–23
Haematopus bachmani, 49:7–9; 49:11

NESTING BEHAVIOR/NESTS—cont.

- Haliaeetus leucocephalus*, 56(3):2–6; 58:37–39; 61:108–
 110; 64:33–38; 65:22–25; 67:45–50
Himantopus mexicanus, 60:67–71
Hirundo pyrrhonota, 16:41
Hirundo rustica, 30:17–18
Histrionicus histrionicus, 33:13
Ixoreus naevius, 15:52; 21:47
Junco hyemalis, 25:12; 28:22; 37:10; 61:100
Larus argentatus, 18:28
Larus delawarensis, 42:7–8; 58:86–87
Larus glaucescens, 30:57; 30:58; 41:16; 53:51; 58:18–
 20; 63:27–29; 69:10–14
Larus occidentalis, 27:39–40; 64:87–91
Limosa lapponica, 11(1):3–6
Lophodytes cucullatus, 15:51–52; 17:53–54; 35:47; 35:
 48
Loxia curvirostra, 5(2):10
Meleagris gallopavo, 8:6
Mergus merganser, 39:26
Molothrus ater, 35:51
Myadestes townsendi, 8:12–13; 63:94–95
Neotoma cinerea, 46:46; 47:72
 nest collection, 14:3–6
Nucifraga columbiana, 35:12; 39:27
Numenius americanus, 35:48
Nycticorax nycticorax, 65:57–59
Oceanodroma leucorhoa, 35:46–47
Opornis tolmieii, 11(1):20
Oregon birds, 18:14–18; 41:22; 53:1–7
Oreoscoptes montanus, 66:18–19
Otus flammeolus, 59:26–28; 63:66–68
Otus kennicottii, 6:40; 64:96–97
Pandion haliaetus, 7:67; 8:47; 8:72
Parula americana, 8:6
Parus gambeli, 42:9
Parus rufescens, 57:18
 passerines, 3(2):7
Pelecanus erythrorhynchos, 62:19–20; 69:61–64
Perdix perdix, 12:84
Perisoreus canadensis, 35:48; 41:44–45
Phalacrocorax auritus, 49:25–26; 65:1–9
Phalacrocorax pelagicus, 65:1–9; 66:84–86
Phalaropus tricolor, 6:21; 10:58–61; 12:82; 23:19
Phasianus colchicus, 39:10
Phenacomys sp., 3(1):7
Picoides albolarvatus, 6:63
Picoides arcticus, 27:26–27
Piranga ludoviciana, 16:39
Podiceps nigricollis, 66:20–21
Podilymbus podiceps, 2(3):5; 22:19
Progne subis, 15:52–53; 45:10–11
Ptychoramphus aleuticus, 67:33–44
Rallus limicola, 36:40
 raptors, 63:2–8
Recurvirostra americana, 40:13
Regulus calendula, 36:40–41

NESTING BEHAVIOR/NESTS—cont.

Regulus satrapa, 19:17; 35:49
Scapanus townsendii, 47:47–48
 seabirds, 54:39–40; 59:82–91; 68:103–107
Setophaga ruticilla, 54:24
 Sonoran/Transition zones, 4(2):5–6
Sterna caspia, 39:19–20
Strix nebulosa, 40:35
Strix varia, 61:110–112
Sturnus vulgaris, 32:24; 34:47; 39:27–28
 swallows, 43:16
Synthliboramphus antiquus, 67:33–44
Tachycineta thalassina, 25:13
Tamiasciurus hudsonicus, 7:12
Turdus migratorius, 8:74; 61:102–103
Tyrannus verticalis, 35:38
Tyto alba, 52:25
Uria aalge, 31:12–13
 Washington birds, 1(2):8–10; 2(2):8–12; 3(3):13–18;
 10:34; 11:55–59; 15:80–81
 waterfowl, 30:46–52
Xanthocephalus xanthocephalus, 35:49
Zapus trinotatus, 60:72
Zenaida macroura, 22:59
 see also breeding behavior; incubation; nest boxes; nest parasitism
 nesting record scheme, B.C., 38:30–31; 38:32–35
 nesting success, see reproductive success
Nettion carolinense, see *Anas crecca*
Neurotrichus gibbsii, behavior, 10:61–62; captive behavior, 53:47–49; Pacific NW, 56(1):2–3; subspecies, 22:12–14; WA, 8:49; 20:10
 Nevada
 Calidris himantopus, 22:61–62
 Spermophilus beldingi, 21:59–61
 Zonotrichia querula, 16:41
 New Jersey
 birds, 8:72–73
 New Mexico
 birds, 45:22–25
 nighthawk, common (eastern, Pacific), see *Chordeiles minor*
 night-heron, black-crowned, see *Nycticorax nycticorax*
 nocturnal animals, movies, 21:62–64
 Northwest Territories, Canada
 Odobenus rosmarus, 55:40–41
 waterfowl, 29:21–26
Nucifraga columbiana, nesting, 35:12; WA, 39:27
Numerius americanus, B.C., 41:9; breeding behavior, 35:48; color-banded, 57:72
hudsonicus, see *N. phaeopus*
phaeopus (includes *N. hudsonicus*, *Phaeopus hudsonicus*), AK, 13:20; ID, 63:68; OR, 65:87–90; WA, 32:43
tahitiensis, AK, 6:21
 nutcracker, Clark's, see *Nucifraga columbiana*

NUTHATCH

nuthatch
 pygmy, see *Sitta pygmaea*
 red-breasted, see *Sitta canadensis*
 white-breasted (slender-billed), see *Sitta carolinensis*
 nutria, see *Myocastor coypus*
 Nuttall, Thomas (early ornithologist), 18:2–13; 19:2–7
Nuttallornis borealis, see *Contopus borealis*
Nyctea
 nyctea, see *N. scandiaca*
 scandiaca (includes *N. nyctea*), activity cycles, 50:13–16; food, 7:11; MT, 12:57–58; WA, 3(1):4; 32:14
Nycterus cinereus, see *Lasiurus cinereus*
Nycticorax nycticorax, B.C., 46:15; nesting habitat, 65:57–59; OR, 51:41; WA, 20:22
Nyroca americana, see *Aythya americana*

O

Oceanodroma
 furcata, WA, 2(1):5–6
 leucorhoa, AK, 55:44–45; nesting, 35:46–47; OR, 24:28; robbed by kittiwake, 64:47; WA, 23:58–59; 31:46; 35:16
Ochetona sp., B.C. & Alberta, 35:19–24
 collaris, AK, 42:22–24
 princeps, B.C., 40:1–4; behavior, 43:54; killed by ground squirrel, 47:18; population stability, 59:101; 60:29–31
Odobenus rosmarus, Beaufort Sea, 55:40–41; possible adoption, 59:77–78; tusk, 23:17
Odocoileus
 columbianus, see *O. hemionus*
 hemionus (includes *O. columbianus*), abnormal incisors, 61:103–104; antlers, 44:21–22; 52:10–12; behavior 59:33–35; fecundity, 63:26–27; melanism, 37:34; mortality, 35:39–42; movement, 34:41–46; multiple ovulation, 50:12; predation by coyote, 69:48–50; skin abnormality, 15:81–82
 virginianus, antlers, 44:21–22; food, 54:23; parental behavior, 65:47–48; WA, 31:43–44
Oenanthe oenanthe, AK, 10:57
Oidemia americana, see *Melanitta nigra*
 oil removal, see pollution
 oldsquaw, see *Clangula hyemalis*
Olor
 buccinator, see *Cygnus buccinator*
 columbianus, see *Cygnus columbianus*
Ondatra zibethicus, abnormal incisors, 23:80–81; B.C., 12:22–23; behavior, 27:2–3; 33:14; CA, 51:23–24; 53:30; 55:1–4; 55:7–8; coloration, 37:11; ectoparasites, 69:54–56; migration, 36:26; OR, 55:1–4; WA, 44:25–26
Onychomys leucogaster, WA, 4(1):12
Oporornis
 philadelphica, B.C., 57:68–69
 tolmiei, nesting, 11(1):20

OPOSSUM

- opossum*, see *Didelphis virginiana*
Orcinus
 orca (includes *O. rectipinna*), behavior, 47:38; 51:11; 54:22; 'bowriding', 61:78; natural history, 53:22-24; & sea otter, 61:46-47
rectipinna, see *O. orca*
Oreamnos americanus, B.C., 40:1-4, behavior, 7:32-35; 8:70-71; CA, 51:13; injury, 53:11; introduction, 6:10; status, 13:25; WA, 40:1-4
Oregon
 (see also subentries below under eastern Oregon; western Oregon)
Aegolius acadicus, 40:21
Aeronautes saxatalis, 11:74
bats, 40:26-27
bear, 'dwarf', 3(3):9
birds, 6:61; 17:41-47; 28:41; 46:1-6; 47:50-51; 54:31-33; 54:34-35; 64:78-86
Bison bison, 66:56-58
Branta bernicla, 39:13; 42:7; repeat, 43:16
Buteo lineatus, 54:34-35; 66:29-31
Butorides striatus, 27:50-51; 51:41
Casmerodius albus, 51:41
Cervus elaphus, 16:3-6
Chen canagica, 5(1):11
Clangula hyemalis, 15:25
Cyanocitta cristata, 58:83-84
Didelphis virginiana, 36:42
Eschrichtius robustus, 65:33-40
Eumetopias jubatus, 51:1-5
Falco peregrinus, 62:43-53
Gulo gulo, 55:15-18
Haliaeetus leucocephalus, 64:33-38
mammals, small, 46:44
Melanitta fusca, 37:24
Melanitta perspicillata, 37:35-36; 49:11-12
Pandion haliaetus, 59:14-25; 69:33-36
Phoca vitulina, 51:1-5
seabirds, 11(1):10-12
shorebirds, 54:31-33
Sphyrapicus varius, 54:34-35
Stenella coeruleoalba, 28:9-10 errata (insert), 28:21
Stercorarius pomarinus, 14:15
Strix nebulosa, 41:28; 68:45-49
Strix occidentalis, 68:51-54
Sturnus vulgaris, 39:27-28
Vulpes macrotis, 60:25-27
waterfowl, 64:78-86
Oregon, eastern Oregon
 Aechmophorus occidentalis, 53:35
Aegolius acadicus, 63:92-93
Aeronautes saxatalis, 52:13-14
Aix sponsa, 37:3
Ammodramus savannarum, 64:51-54
Anas acuta, 35:9
Anas crecca, 50:34; 60:77-79

OREGON, EASTERN—cont.

- Anas rubripes*, 35:47
Ardea herodias, 61:63-71; 67:27-28
Asio flammeus, 52:27
Aythya collaris, 46:43; 62:55-56
Bartramia longicauda, 66:34-35
birds, 7:35-36; 7:63; 17:41-47; 20:14-16; 56(1):7-10; 59:59-69; 66:25-28
Branta canadensis, 48:46-51
Bubo virginianus, 48:11-12
Bubulcus ibis, 66:28-29
Bucephala albeola, 42:5
Butorides striatus, 26:26
Canis lupus, 56(3):22-23
Chinchilla sp., 40:19-20
Coturnicops noveboracensis, 25:29
Cyanocitta cristata, 55:45; 59:70
Cygnus buccinator, 66:50-55
Cygnus columbianus, 69:1-9
Dendroica pensylvanica, 52:27
Dendroica townsendi, 64:23-25
ducks, 3(3):3-4
Elanus caeruleus, 28:41
Empidonax hammondi, 65:84-86
Euderra maculatum, 65:80
Euphagus cyanocephalus, 44:18-21
Falco columbarius, 16:39-40
Felis lynx, 50:16
Larus delawarensis, 42:7-8
Lemmiscus curvatus, 52:26
mammals, small, 36:26-27; 48:11-12
Melanitta nigra, 37:17
Melanitta perspicillata, 23:16; 35:31
Mergus serrator, 35:31
Odocoileus hemionus, 37:34
Otus flammelous, 59:26-28
Pelecanus erythrorhynchos, 69:61-64
Perognathus parvus, 60:50-57
Peromyscus maniculatus, 60:50-57
Pipilo fuscus, 41:40
Plecotus sp., 26:26
Podiceps grisegena, 39:14
Sorex merriami, 57:13-14; 58:17
Sorex preblei, 56(3):22-23
Spermophilus washingtoni, 60:28-29
Stercorarius longicaudus, 59:75-77
Strix nebulosa, 11:74; 40:35; 42:6
Synthliboramphus antiquus, 52:42
Tamias amoenus, 68:24-27
Tamias minimus, 60:50-57
Tamiasciurus hudsonicus, 60:23-25
Tyto alba, 53:28; 61:78; 66:65-68
Vulpes macrotis, 20:44; 54:23
waterfowl, 53:27
Zapus princeps, 23:60
Zenaida macroura, 26:26
Oregon, western Oregon
Accipiter striatus, 10:40-41

OREGON, WESTERN—cont.

- Alopex lagopus*, 27:13
Amphispiza bilineata, 52:41
Anas crecca, 35:51
Anas cyanoptera, 24:28
Anas penelope, 4(3):17
Aphelocoma coerulescens, 15:50
Aquila chrysaetos, 65:29–30
Arborimus albipes, 50:22; 50:39
Ardea herodias, 58:7–12; 62:18–19; 62:73–79; 62:91
Asio otus, 46:39; 51:8–9
Athene cunicularia, 25:9
bats, 40:28–29
birds, 3(1):18–19; 4(1):11; 8:3–4; 11(1):10–12; 14:16–17; 18:14–18; 41:22; 47:76; 53:1–7; 54:31–33
Bombycilla garrulus, 41:44
Brachyramphus marmoratus, 22:38–39
Branta bernicla, 24:28
Branta canadensis, 34:10; 35:14; 51:34–37
Bubulcus ibis, 47:37
Bucephala albeola, 42:5
Bucephala islandica, 39:26
Buteo lagopus, 27:13
Butorides striatus, 17:53; 27:12
Calidris acuminata, 53:32
Callipepla californica, 59:7–13; 67:87–89; 69:75–78
Canis lupus, 22:52–54; 24:11
Carpodacus mexicanus, 51:15–16
Casmerodus albus, 15:25
Cathartes aura, 15:50–51
Chaetura vauxi, 42:25–26
Charadrius alexandrinus, 66:75–81
Chen canagica, 24:29; 50:38
Chordeiles minor, 61:35
Cistothorus palustris, 30:58
Cygnus buccinator, 68:55–56
Cypseloides niger, 42:9
Didelphis virginiana, 47:8; 60:95–98
Elanus caeruleus, 14:79
Eremophila alpestris, 21:48
Falco mexicanus, 16:16
Felis lynx, 56(3):22–23
Gavia stellata, 15:25
Grus canadensis, 35:13
Guiraca caerulea, 57:44–46
Gulo gulo, 47:65
Gymnogyps californianus, 23:77
Haliaeetus leucocephalus, 68:39–44
herons, 51:41
Hirundo rustica, 31:11
Icterus galbula, 21:47
Ixoreus naevius, 21:47
Lanius excubitor, 38:3
Lanius ludovicianus, 15:51
Larus argentatus, 15:25
Larus occidentalis, 64:87–91
Larus philadelphia, 65:87–90
Lasionycteris noctivagans, 34:32

OREGON, WESTERN—cont.

- Lasiurus cinereus*, 11:75
Lissodelphis borealis, 50:9
Lophodytes cucullatus, 17:53–54
Loxia curvirostra, 5(2):10
Melanerpes formicivorus, 35:14
Melanitta nigra, 15:25
Melanitta perspicillata, 39:25
Melospiza melodia, 6:61
Mergus merganser, 39:26
Microtus californicus, 53:32–33
Microtus richardsoni, 51:12
Mimus polyglottos, 32:29; 36:29
Molothrus ater, 35:51
Myotis thysanodes, 23:62
Neotoma fuscipes, 42:6
Numerius phaeopus, 65:87–90
Oceanodroma leucorhoa, 24:28
Ondatra zibethicus, 55:1–4
Pandion haliaetus, 25:9
Parus rufescens, 15:51
Passerculus sandwichensis, 11:73
Pelecanus occidentalis, 61:99–100
Phalaenoptilus nuttalii, 56(1):4–5
Phalaropus fulicaria, 16:15–16; 16:27–28
Phoca vitulina, 66:44–49
Phocoena phocoena, 66:60–62
Progne subis, 27:53
Rissa brevirostris, 34:48; 36:29
Salpinctes obsoletus, 54:35–36
seabirds, 63:15–21 errata, 63:72; 64:48–51; 64:78–86; 67:23–26
Setophaga ruticilla, 54:24
shorebirds, 64:78–86
Sorex trowbridgii, 57:58–62
Spizella breweri, 54:35–36
Sterna antillarum, 53:52
Sterna caspia, 65:87–90
Sterna hirundo, 42:7
Strix occidentalis, 69:65–68
Sylvilagus floridanus, 53:25–26
Synthliboramphus antiquus, 52:42
Tamias townsendii, 57:26–31
Thomomys bulbivorus, 3(3):6–8
Uria aalge, 66:94–95
Xanthocephalus xanthocephalus, 24:28; 35:49
Zalophus californianus, 62:56–59; 64:48–51
Zonotrichia albicollis, 40:34
Zonotrichia querula, 14:16; 36:29; 43:52
Oreortyx pictus, behavior, 36:18–21; food, 6:27
Oreoscoptes montanus, B.C., 13:22; nest construction, 66:18–19; WA, 28:11; 57:67
organochlorine residues, see pollution
oriole, northern (Baltimore, Bullock's), see *Icterus galbula*
ornithology
history, in ID, 34:1–5; in WA, 14:27–36; 14:55–75; 15:3–19; 18:2–13; 19:2–7

ORYCTOLAGUS

Oryctolagus cuniculus, predation by gulls, 66:24; WA, 65:80-83
os clitoridis
Lutra canadensis, 20:20-21
 osprey, see *Pandion haliaetus*
Otocoris alpestris, see *Eremophila alpestris*
 otter
 river (Pacific), see *Lutra canadensis*
 sea, see *Enhydra lutris*
Otus, food, 6:61-62
asio, see *O. kennicottii*
flammeolus, B.C., 59:74-75; nesting behavior, 63:66-68; OR, 59:26-28; WA, 62:1; 35:11
kennicottii (includes *O. asio*), food, 62:80-82; nesting, 6:40; 7:9-10; 64:96-97
 ovenbird, see *Seiurus aurocapillus*
Ovis
aries, v. birds, 11(2):19
canadensis, chased by badger, 59:106-107; Selkirk Mountains, 53:28-29
 owl(s), food/pellets, 7:9-12; 46:32-36; 46:44; 46:46; 47:9-14; 48:11-12; 49:1-3; 50:4-8; 51:10; 51:29-33; 52:27; 53:28; 55:5-7; 56(2):2-4; 57:63-64; 58:2-6; 60:12-15; 60:106; 61:78-80; 61:86-91; 62:2-5; 62:80-82; 63:22-24; 63:29-30; 63:92-93; 65:27-29; 65:48-49; 66:21-24; 66:65-68; 67:28-30; & rodent control, 5(2):5-7
 barn (common barn), see *Tyto alba*
 barred, see *Strix varia*
 boreal, see *Aegolius funereus*
 burrowing, see *Athene cunicularia*
 flammulated (flammulated screech, flammulated scops), see *Otus flammeolus*
 great gray, see *Strix nebulosa*
 great horned (large horned, horned), see *Bubo virginianus*
 hawk, see *Surnia ulula*
 long-eared, see *Asio otus*
 northern pygmy, see *Glaucidium gnoma*
 northern saw-whet, see *Aegolius acadicus*
 short-eared (marsh), see *Asio flammeus*
 snowy, see *Nyctea scandiaca*
 spotted, see *Strix occidentalis*
 western screech- (Kennicott's screech-), see *Otus kennicottii*
Oxyechus vociferus, see *Charadrius vociferus*
Oxyura jamaicensis (includes *Erismatura j.*), mortality, 36:41; nesting, 2(3):5
 oystercatcher, black, see *Haematopus bachmani*

P

Pacific Northwest Bird and Mammal Society, 1920-1969, 51:6-7
 Pacific Seabird Group, formed, 54:19
Pandion haliaetus, breeding behavior, 69:24-27; eggs,

PANDION—cont.

25:9; food, 6:31; MT, 63:40-45; nesting, 7:67; 8:47; NJ, 8:72; OR, 59:14-25; 69:33-36; reproductive success, 60:42-49
 parasites
 ectoparasites, on birds, 7:40; 7:68; 9:68; 10:13-14; 10:17; 11:74; 21:65-67; deer, 16:35-37; mammals, 31:41; muskrats, 69:54-56; owls, 67:83-84; swans, 62:24-26; whales, 20:67-69
 endoparasites, birds, 8:1-3; 11(1):15-17; jackrabbits, 2(1):12; mammals, 11(1):15-17; 26:11-14; 31:41; waterfowl, 29:2-4; whales, 20:67-69
 parental behavior
Agelaius phoeniceus, 66:37-43
Branta canadensis, 69:41-45
Cerorhinca monocerata, 60:16-22
Corvus corax, 63:30-32
Erethizon dorsatum, 64:22-23
Neotoma cinerea, 47:6-8
Odobenus rosmarus, 59:77-78
Odocoileus virginianus, 65:47-48
Phoca vitulina, 61:41-43
 parrots, escaped, 22:64
 partridge(s), old-world, WA, 4(2):18; 4(3):3-15
 gray (Hungarian), see *Perdix perdix*
Parula americana (includes *Compsophylis a.*), nesting, 8:6; WA, 56(1):12
Parus
atricapillus (includes *Penthestes a.*), call, 9:70; feeding behavior, 58:18; territorial behavior, 57:47-48
gambeli (includes *Penthestes g.*), behavior, 53:13; nesting, 42:9
hudsonicus, WA, 39:14; 46:27
rufescens (includes *Penthestes r.*), MT, 57:18; OR, 15:51
Passer domesticus, food, 35:14; parasites, 7:68; 9:68; 21:65-68; poisoned, 4(1):13
Passerulus sandwichensis, AK, 13:39; 48:18; nesting, 12:83; OR, 11:73
Passerella iliaca, albinism, 28:41; subspecies, 37:11; WA, 1(1):8; 2(1):6; 3(2):7; 5(1):11; 7:40; 37:11
Passerherbulus caudacutus, see *Ammodramus caudacutus*
Passerina
amoena, B.C., 45:50; behavior, 32:27
cyanea, CA, 51:40-41; WA, 47:45 repeat, 48:40
 passerines, B.C., 14:18; migration, 15:53; nocturnal flushing, 68:31-32; population dynamics, 15:78-79; WA, 1(1):8; 17:55
 see also species names
Pedioecetes phasianellus, see *Tympanuchus phasianellus*
Pelecanus
californicus, see *P. occidentalis*
erythrorynchos, AK, 63:98; B.C., 51:18-19; banded recoveries, 58:79-82; ID, 62:19-20; OR, 69:61-64; WA, 7:49; 25:29; 28:6
occidentalis (includes *P. californicus*), B.C., 14:15; OR, 61:99-100; WA, 3(1):5; 14:16; 19:18; 23:20

PELICAN

pelican

American white, see *Pelecanus erythrorhynchos*
 brown, see *Pelecanus occidentalis*

Pelidna alpina, see *Calidris alpina*

pellets, owl, see owl(s), food/pellets

Penthestes sp., see *Parus* sp.

perching behavior

Columba fasciata, 37:36-37
 see also roosting behavior

Perdix perdix, food, 60:58-66; nesting, 12:84; population density, 36:9-10

peregrine falcon, see *Falco peregrinus*

Perisoreus

canadensis (includes *P. obscurus*), AK, 13:38-39; B.C., 26:30; feeding behavior, 60:28; nesting, 1(1):7; 35:48; 41:44-45

obscurus, see *P. canadensis*

Perognathus sp., behavior, 5(3):10; as food, 4(3):18; hibernation, 41(1):12; WA, 2(2):6-7

longimembris, captive behavior, 55:23-24

lordi, see *P. parvus*

parvus (includes *P. lordi*), behavior, 5(3):10; breeding, 4(3):18 errata, 5(1):7; captive behavior, 55:23-25; home range, 60:50-57

Peromyscus sp., damage by, 3(1):4; as food, 4(3):18; WA 2(2):6-7

maniculatus, home range, 60:50-57; length, 47:49-50; longevity, 41:27; metabolic rate, 20:54-56; OR, 40:28-29

oreas (includes *P. m. oreas*), natural history, 14:13-14

pest control, see control, animal

pesticides, see pollution

petrel

fork-tailed (storm-), see *Oceanodroma furcata*

Leach's storm- (Beal's), see *Oceanodroma leucorhoa*

Petrochelidon pyrrhonota, see *Hirundo pyrrhonota*

Phaeopus hudsonicus, see *Numerius phaeopus*

Phaethon aethereus, WA, 28:6; 28:22

Phalacrocorax

auritus (includes *P. dilophus*), Alberta, 50:19-21; behavior, 5(3):6-7; population dynamics, 65:1-9; WA, 16:70; 43:50; 49:25-26

dilophus, see *P. auritus*

pelagicus, AK, 12:71; B.C., 6:55-57; 37:22-23; coloration, 38:4; nesting, 49:7-9; 66:84-86; population dynamics, 65:1-9; roosting behavior, 67:65-74

penicillatus, B.C., 58:45-47; migration, 16:40-41; nesting, 49:7-9

Phalaenoptilus nuttallii, B.C., 14:78; behavior, 29:50; mortality, 14:44; OR, 56(1):4-5

phalarope

red, see *Phalaropus fulicaria*

red-necked (northern), see *Phalaropus lobatus*

Wilson's, see *Phalaropus tricolor*

PHALAROPUS

Phalaropus

fulicaria, B.C., 16:16-17; behavior, 22:38; disaster, 16:15-16; 16:27-28; WA, 9:21; 10:18; 45:11

lobatus (includes *Lobipes l.*), behavior, 13:16-17

tricolor (includes *Steganopus t.*), B.C., 21:70; nesting, 6:21; 10:58-61; 12:82; WA, 6:9; 15:50; 23:19

Phasianus

colchicus (includes *P. torquatus*), food, 60:58-66; hybridization, 58:78; nesting, 39:10; population density, 26:2-9; 26:39-44; predation by coyote, 59:30; swimming, 22:39; WA, 52:7-9

torquatus, see *P. colchicus*

pheasant(s), WA, 4(2):18; 4(3):3-15

ring-necked, see *Phasianus colchicus*

Phenacomys sp., habitat, 36:35-38; nesting, 3(1):7

albipes, see *Arborimus albipes*

intermedius, B.C., 40:1-4; behavior, 9:54-56; identification, 48:17; WA, 40:1-4

longicaudus, see *Arborimus longicaudus*

Philacte canagica, see *Chen canagica*

Phloeotomus pileatus, see *Dryocopus pileatus*

Phoca

richardii, see *P. vitulina*

vitulina (includes *P. richardii*), AK, 58:44; fetus viability, 47:46; food, 62:83-86; Mexico, 55:44; mortality, 50:8; OR, 51:1-5; 66:44-49; parental behavior, 61:41-43; predation by sea lions, 63:70-71; rehabilitation, 64:18; slaughter, 9:57-59; WA, 23:76; 44:25-26; 54:4-6; 60:110-112

Phocoena

phocoena (includes *P. vomerina*), food, 34:27-30; OR, 66:60-62

vomerina, see *P. phocoena*

Phocoenoides dalli, behavior, 31:16; 60:108-110; food, 34:27-30; WA, 44:25-26

phoebe, Say's, see *Sayornis saya*

Phoenicopterus ruber, CA, 46:28-29; WA, 56(3):20-22

photography

night movies, 21:62-64

Pica pica, aggregation, 69:78-79; B.C., 16:40; coloration, 14:44-45; eggshells, 64:91-93; feeding behavior, 69:68-69; mortality, 42:21; WA, 5(2):11

Picoides

albolarvatus (includes *Dryobates a.*, *Xenopicus a.*), nesting, 6:63; WA, 10:36; 20:18; 21:48

americanus, see *P. tridactylus*

arcticus, nesting, 27:26-27

pubescens (includes *Dendrocopos p.*), AK, 46:6; feeding behavior, 56(3):20; subspecies, 41:42-44

tridactylus (includes *P. americanus*), WA, 9:69

pig, wild, see *Sus scrofa*

pigeon

band-tailed, see *Columba fasciata*

domestic, see *Columba livia*

passenger, see *Ectopistes migratorius*

pika, see *Ochotona princeps*

PIKA

- pika, collared, see *Ochotona collaris*
Pinicola enucleator, B.C., 2(2):12-13; 20:57-59; 34:48;
nesting, 1(2):10-11; WA, 5(1):8; 29:27
- pintail, northern (American), see *Anas acuta*
Pipilo
erythrophthalmus, feeding behavior, 55:9
fuscus, OR, 41:40
- pipit, water, see *Anthus spinolettia*
Piranga ludoviciana, nesting, 16:39
- Pisobia*
acuminata, see *Calidris acuminata*
minutilla, see *Calidris minutilla*
- Planesticus migratorius*, see *Turdus migratorius*
- plant communities, see habitats
- Plecotus* sp., OR, 26:26
rafinesquii (includes *Corynorhinus r.*), B.C., 33:42; ID,
29:48; WA, 11(2):11-13; 19:18-19
- townsendii*, cave use, 65:46; predation by gopher
snake, 60:27-28; WA, 53:10-11
- Plectrophenax nivalis*, B.C., 2(2):4; WA, 2(1):5; 7:15
- Plegadis*
chihi (includes *P. mexicana*), CA, 54:11-12; WA, 32:
43
mexicana, see *P. chihi*
- plover
black-bellied, see *Pluvialis squatarola*
lesser golden- (American golden-), see *Pluvialis do-*
minica
semi-palmated, see *Charadrius semipalmatus*
snowy, see *Charadrius alexandrinus*
upland, see *Bartramia longicauda*
- Pluvialis*
dominica (includes *Charadrius dominicus*), AK, 13:20;
WA, 32:28
squatarola (includes *Squatarola s.*), WA, 32:28
- pocket gopher
Camas, see *Thomomys bulbivorus*
mountain, see *Thomomys monticola*
northern, see *Thomomys talpoides*
western (Mazama), see *Thomomys mazama*
- pocket mouse, see mouse
- Podiceps*
auritus (includes *Colymbus a.*), behavior, 9:48; 31:14
griseogenus (includes *Colymbus g.*), mortality, 26:28; OR,
39:14
nigriceps, nesting, 66:20-21
- Podilymbus podiceps*, nesting, 2(3):5; 22:19
- poems
black swift, 27:38
thicket sanctuary, 7:8
- pollution
herbicides, game birds, 35:5-7
lead shot, *Calidris alpina*, 61:37
lipid slick, seabirds, 65:15-19
oil, seabirds, 11(1):22; 37:20-22; 38:8
organochlorine residues, *Ardea herodias*, 61:63-71;

POLLUTION—cont.

- Buteo swainsoni*, 60:2-5; *Falco peregrinus*, 62:43-
53; *Pica pica*, 64:91-93; seabirds, 63:15-21 errata,
63:72
- Polyborus*
cheriway, see *P. plancus*
plancus (includes *P. cheriway*), WA, 17:54
- Pooecetes gramineus*, speed, 19:18
- poorwill, common (Nuttall's, dusky), see *Phalaenop-*
tilus nuttalli
- population dynamics
Ardea herodias, 62:16-18
birds, 10:52-55; 27:4-9; 53:42-47; 64:1-11; 67:10-18
Branta canadensis, 42:13-21
Canis latrans, 64:60-61
Centrocercus urophasianus, 66:69-74
Microtus townsendii, 28:18-21
Ochetona princeps, 59:101; 60:29-31
Pandion haliaetus, 60:42-49
passerines, 15:78-79
Phalacrocorax sp., 65:1-9
Phasianus colchicus, 26:2-9; 26:39-44; 52:7-9
Phoca vitulina, 54:4-6; 66:44-49
raptors, 65:91-93
sandpipers, 54:1-3
small mammals, 14:51-54
waterfowl, 37:31-34
- population estimates
Branta canadensis, 46:18-26
diving ducks, 47:23-32
Ursus arctos, 40:14-16
- porcupine, (yellow-bellied, yellow-haired), see *Ereth-*
izon dorsatum
- porpoise
Dall's, see *Phocoenoides dalli*
harbor, see *Phocoena phocoena*
- predation
Arctic loon, on ducks, 48:41
bald eagle, 18:31-32; on birds, 20:42
bear, on bald eagle, 60:106-107; elk calf, 55:28
blackbird, on corn earworms, 54:8-10
bull snake, on cliff swallow, 61:35-36
cougar, on coyotes, 66:17
coyote, on adult deer, 69:48-50; pheasants, 59:30
crow, on auklets, 66:86-90; lambs, 7:61-62
duck hawk, on horned grebe, 16:71
duck, on oysters, 3(2):6; 6:8
fish, on birds, 8:18; 25:14
fisher, on hoary marmot, 54:22
golden eagle, on pigeon, 40:34; sheep, 10:14
gopher snake, on big-eared bats, 60:27-28
goshawk, on crow, 44:35
gull, on common murre, 67:30-31; rabbits, 66:24
large mammals, on game, 30:37-39; young deer, 35:
39-42
owl, on mice, 4(3):18
pigeon hawk, on crow, 44:35

PREDATION—cont.

- pika, on ground squirrel, 47:18
 pomarine jaeger, on glaucous gulls, 65:52
 predators, on blue grouse, 53:52-53
 pygmy owl, on deer mouse, 41:12-13
 rat, on ancient murrelet eggs, 49:38
 raven, on flicker, 61:36-37; rock dove, 63:25
 red fox, on mice, 28:18-21
 river otter, on gulls, 56(2):9-10; 59:92-95
 robin, on jumping mouse, 47:19
 sea lion, on seals, 63:70-71
 snake, on orioles, 66:95-97
 turkey vulture, 63:68-69
 vole, on auklets, 63:9-14
 see also aggression; humans attacked
- Procyon lotor*, preputial muscle, 56(1):5-6; WA, 7:67
 productivity in breeding, see reproductive success
Progne subis, albinism, 26:45-46; nesting, 15:52-53; 45:
 10-11; OR, 27:53; roosting, 25:43-44; WA, 65:94-
 95
- Psaltriparus minimus*, B.C., 28:37; 31:47; 62:87-90; WA,
 25:46; 30:19-20; 30:39
- ptarmigan*
 rock, see *Lagopus mutus*
 white-tailed, see *Lagopus leucurus*
 willow (Alaska), see *Lagopus lagopus*
- Ptychoramphus aleuticus*, growth, 63:34-39; nesting be-
 havior, 67:33-44; nestling food, 65:65-77; WA,
 23:18
- puffin*
 horned, see *Fratercula corniculata*
 tufted, see *Fratercula cirrhata*
- Puffinus*
bulleri (includes *Thyelodroma b.*), N. Pacific Ocean,
 57:48-49; WA, 14:15
carneipes, B.C., 21:69
griseus, behavior, 18:30-31; HI, 41:46; WA, 5(2):13;
 23:57-58; 39:24
tenuirostris, WA, 23:54-57
- puma*, see *Felis concolor*

Q

- quail*, WA, 4(3):3-15
 bobwhite, see *Colinus virginianus*
 California, see *Callipepla californica*
 mountain, see *Oreortyx pictus*
- Querquedula*
cyanoptera, see *Anas cyanoptera*
discors, see *Anas discors*
- Quiscalus quiscula*, AK, 53:31-32; B.C., 50:38; ID, 32:13;
 37:36; WA, 32:13; 47:19-20

R

- rabbit(s)*, & weasel tale, 3(3):5
 black-tailed jack, see *Lepus californicus*
 brush, see *Sylvilagus bachmani*

RABBIT(S)—cont.

- cottontail, eastern, see *Sylvilagus floridanus*
 cottontail, Nuttall's (Washington), see *Sylvilagus nuttallii*
 European, see *Oryctolagus cuniculus*
 jack, see *Lepus* sp.
 pygmy, see *Brachylagus idahoensis*
 snowshoe, see *Lepus americanus*
 white-tailed jack, see *Lepus townsendii*
- raccoon*, see *Procyon lotor*
- rail*
 Virginia, see *Rallus limicola*
 yellow, see *Coturnicops noveboracensis*
- Rallus limicola*, B.C., 41:11; WA, 18:28; 36:40
Rangifer
montanus, see *R. tarandus*
tarandus (includes *R. montanus*), entangled in fish
 net, 57:66; ID, 48:57; WA, 19:19
- raptors*, B.C., 41:11; food, 10:10-11; ID, 65:91-93; nest-
 ing 63:2-8; OR, 28:41; pollutant residues in eggs,
 60:2-5; & sheep, 11(2):19; WA, 56(3):12-16
 see also species names
- rarity*
 Idaho birds, 68:69-93
 terminology, 40:11
- rat*
 black (roof, Alexandrian, Hawaiian), see *Rattus rattus*
 bushy-tailed wood (pack), see *Neotoma cinerea*
 dusky-footed wood, see *Neotoma fuscipes*
 Norway (brown), see *Rattus norvegicus*
 Ord's kangaroo (kangaroo), see *Dipodomys ordii*
- Rattus*
hawaiensis, see *R. rattus*
norvegicus, coloration, 7:15
rattus (includes *R. hawaiensis*), natural history, 17:
 2-14; OR, 30:52; predation on eggs, 49:38
- raven*, common, see *Corvus corax*
- recorder*, activity
 cavity-dwelling animals, 62:27-30
- Recurvirostra americana*, B.C., 64:47-48; nesting, 40:13;
 WA, 6:21
- redhead*, see *Aythya americana*
- restart*, American, see *Setophaga ruticilla*
- Regulus*
calendula, song, 3(3):12; WA, 36:40-41
satrapa, killed by burr, 55:29; nesting 19:17; 35:39
- rehabilitation*
Phoca vitulina, 64:18
- reindeer*, Aleutian (caribou), see *Rangifer tarandus*
- Reithrodontomys megalotis*, B.C., 23:60; WA, 4(1):12
- reproduction*
Ardea herodias, 58:7-12; 62:73-79
Castor canadensis, 38:7
Clethrionomys gapperi, 12:54
Corvus brachyrhynchos, 40:6-7
Didelphis virginiana, 60:95-98

REPRODUCTION—cont.

- Lepus americanus*, 11:75; 14:77–78
 mammals, small, 13:25; 14:51–54
Martes americana, 61:102–103
Mergus merganser, 46:47–48
Microtus oregoni, 13:94–95
Neotoma cinerea, 47:6–8
Neurotrichus gibbsii, 53:47–49
Odocoileus hemionus, 50:12; 63:26–27
Perognathus parvus, 4(3):18
Phalacrocorax auritus, 50:19–20
Phoca vitulina, 55:44
Rattus rattus, 17:10–11
Scapanus townsendii, 5(1):3–4
Spermophilus townsendii, 20:6–10
Sorex trowbridgii, 57:58–62
Sylvilagus bachmani, 48:19
Tamias townsendii, 57:26–31
Thomomys sp., 5(1):3–4; 14:42
Ursus arctos, 30:53–54
 see also breeding behavior; eggs; growth; nesting behavior
 reproductive behavior; see breeding behavior; eggs; nesting behavior; reproduction
 reproductive success
Ardea herodias, 61:63–71
Asio otus, 65:10–14
Branta canadensis, 69:41–45
Eremophila alpestris, 62:21–23
Haliaeetus leucocephalus, 56(3):2–6; 64:33–38; 65:22–25; 67:45–50
Larus occidentalis, 64:87–91
Pandion haliaetus, 60:42–49; 63:40–45
 seabirds, 67:23–26
Rhodostethia rosea, AK, 67:63–64
Rissa
 brevirostris, coloration, 12:10; mortality, 59:37; OR, 34:48; 36:29; robs Leach's petrel, 64:47
 tridactyla, behavior 12:10
 robin, American (western), see *Turdus migratorius*
 rodents, control, 5(2):5–7; tree damage, 6:39
 see also mammals, small; species names
 roosting behavior
Aegolius acadicus, 66:21–24
Dryocopus pileatus, 59:35–36
 owls, 60:12–15
Phalacrocorax pelagicus, 67:65–74
Progne subis, 25:43–44; 26:45
Sturnus vulgaris, 40:8–9
 see also perching behavior
- S
- Salpinctes obsoletus*, OR, 54:35–36; WA, 15:51; 55:42
 salt use
 birds, 2(3):15
 sanderling, see *Calidris alba*
 sandpiper(s), WA, 8:75; 54:1–3

SANDPIPER(S)—cont.

- Baird's, see *Calidris bairdii*
 buff-breasted, see *Tryngites subruficollis*
 curlew, see *Calidris ferruginea*
 least, see *Calidris minutilla*
 red-backed, see *Calidris alpina*
 semi-palmated, see *Calidris pusilla*
 sharp-tailed, see *Calidris acuminata*
 spotted, see *Actitis macularia*
 stilt, see *Calidris himantopus*
 upland (Bartram's), see *Bartramia longicauda*
 western, see *Calidris mauri*
 sapsucker
 red-breasted, see *Sphyrapicus ruber*
 Williamson's, see *Sphyrapicus thyroideus*
 yellow-bellied, see *Sphyrapicus varius*
 Saskatchewan
Pelecanus erythrorhynchos, 58:79–82
Sayornis saya, CA, 41:26; MT, 51:14–15
Scapanus
orarius, albinism, 20:70; 22:36; ID, 34:9; 67:96; WA, 44:23; WA subspeciation, 25:27–28
townsendii, albinism, 25:10; B.C., 11:74–75; behavior, 42:10; breeding, 5(1):3–4; nesting behavior, 47:47–48; surface activity, 46:32–36
 scat analysis
Canis latrans, 67:79–81
Dryocopus pileatus, 66:90–92
Falco sparverius, 64:63–64
 seals & sea lions, 62:83–86
Spermophilus columbianus, 67:75–78
 see also food; owl(s), food/pellets
 scaup, greater, see *Aythya marila*
Sciurus sp., baculum, 50:10–11
carolinensis, behavior, 22:63; introduction, 22:63–64
douglasii, see *Tamiasciurus douglasii*
griseus, behavior, 2(3):12–13; food, 4(2):10–11; nesting, 6:40; size, 54:20–21; tree damage, 33:38–41
hudsonicus, see *Tamiasciurus hudsonicus*
niger, WA, 31:34; 60:73–74
 scoter
 black (American), see *Melanitta nigra*
 surf, see *Melanitta perspicillata*
 white-winged, see *Melanitta fusca*
Scotiaptex nebulosa, see *Strix nebulosa*
 Scouleur, John (early ornithologist), 15:16–19
 sea lion
 California, see *Zalophus californianus*
 northern (Steller), see *Eumetopias jubatus*
 sea mammals, see mammals, marine
 seabirds, & active volcano, 61:50–62; AK, 58:58–72; 59:82–91; 61:6–19; 61:31–34; 61:50–61; 62:34–42; 64:39–46; 65:15–19; 68:12–23; association with sea lion, 64:48–51; B.C., 57:14–16; breeding, 67:23–26; N. Pacific Ocean, 53:15–21; nesting, 54:39–40; OR, 11(1):10–12; 64:78–86; & organochlorine residues, 63:15–21 errata, 63:72; predation by river

SEABIRDS—cont.

- otter, 65:25–27; WA, 1(1):6; 1(2):7–18; 23:54–59; 36:43; 42:29–37; 68:103–107; WA, mortality, 67: 51–59
 see also shorebirds; waterfowl; & species names
- seal
 harbor (hair), see *Phoca vitulina*
 northern elephant, see *Mirounga angustirostris*
 northern fur (fur), see *Callorhinus ursinus*
- Seiurus*
aurocapillus, AK, 66:93–94; ID, 32:29; 66:93; WA, 38: 7
noveboracensis, ID, 21:48; 22:39; WA, 17:55–56; 29: 50; 33:44; 35:50; 44:16
- Selasphorus*
platyceucus, WA, 11:73–74
rufus, behavior, 25:11; feeding behavior, 31:45; nest- ing, 8:77; nesting activity, 32:28; WA, 13:24
- Serinus canaria*, talks, 12:58–59
- serum proteins, see electrophoresis
- Setophaga ruticilla*, B.C., 12:25; OR, 54:24; WA, 35:13
- sex ratios
 birds, 16:17
Canis latrans, 64:60–61
Peromyscus maniculatus, 40:28–29
- shearwater
 Buller's (New Zealand), see *Puffinus bulleri*
 pale-footed, see *Puffinus carneipes*
 short-tailed (slender-billed), see *Puffinus tenuirostris*
 sooty, see *Puffinus griseus*
- sheep
 domestic, see *Ovis aries*
 mountain (bighorn), see *Ovis canadensis*
- shorebirds, AK, 61:31–34; capture operation, 53:21; oiled, 11(1):22; 37:20–22; 38:8; OR, 54:31–33; WA, 2(2):13–15; 13:93–94; 36:43; 39:21–22; 40:33; 46:7– 11; 64:78–86; WA, mortality, 67:51–59
 see also seabirds; waterfowl; & species names
- shoveler, northern, see *Anas clypeata*
- shrew
 marsh (Bendire's water), see *Sorex bendirii*
 Merriam's, see *Sorex merriami*
 Preble's, see *Sorex preblei*
 pygmy, see *Sorex hoyi*
 Trowbridge's, see *Sorex trowbridgii*
 vagrant, see *Sorex vagrans*
 water, see *Sorex palustris*
- shrew-mole, see *Neurotrichus gibbsii*
- shrike
 loggerhead (white-rumped, California), see *Lanius ludovicianus*
 northern, see *Lanius excubitor*
- Sialia*
arctica, see *S. currucoides*
currucoides (includes *S. arctica*), abnormal, 11:74; eggs, 17:21; feeding young, 51:13; food, 63:59–65 er- rata, 64:31; song, 15:49–50; WA, 7:41; 9:21–22

SIALIA—cont.

- mexicana*, food, 63:59–65 errata, 64:31; hover-for- aging, 64:58–60
- singing, see song
- siskin, pine, see *Carduelis pinus*
- Sitta*
canadensis, nesting, 6:11
carolinensis, GA, 8:7; WA, 10:18; 65:51–52
pygmaea, feeding behavior, 65:49–51
- skua
 Chilean, see *Catharacta chilensis*
 great, see *Catharacta skua*
 south polar, see *Catharacta maccormicki*
- skulls
Castor canadensis, 65:78–79
 mammal, 20:19; 21:10
Odobenus rosmarus, 23:17
Ondatra zibethicus, 23:80–81
Spermophilus beecheysi, 12:23
- skunk, striped, see *Mephitis mephitis*
- skylark, Eurasian (English), see *Alauda arvensis*
- smell, sense of
 animals, 9:15
- snakes
 bull, food, 13:54–55
 garter, & bittern, 52:27–28; as food for robin, 59:26; & tule wrens, 12:58
- gopher, predation on bats, 60:27–28; predation on orioles, 66:95–97; predation on swallows, 61: 35–36
- snipe, common (Wilson's), see *Gallinago gallinago*
- solitaire, Townsend's, see *Myadestes townsendi*
- Solomon Islands
 birds & mammals, 11:76–78
- Somateria*
fischeri, coloration, 56(3):17
mollissima (includes *S. v-nigra*), AK, 12:73; B.C., 33: 12
spectabilis, B.C., 23:62; WA, 29:48; 48:7
v-nigra, see *S. mollissima*
- song
Amphispiza belli, 66:1–10
Dendroica sp., 64:65–72
Melospiza melodia, 61:72–77
Myadestes townsendi, 43:53
Parus atricapillus, 57:47–48
Regulus calendula, 3(3):12
Serinus canaria, 12:58–59
Sialia currucoides, 15:49–50
 species differences, 3(3):12
Troglodytes troglodytes, 31:32–33
- Turdus migratorius*, 20:18
 see also calling
- Sorex* sp., feeding behavior, 39:40
bendirii (includes *Neosorex b.*), captive behavior, 50: 27–32; WA, 8:49

SOREX—cont.

- hoyi* (includes *Microsorex h.*), AK, 48:9–10; ID, 67: 81–82; WA, 66:59–60
merriami, ID, 67:19–20; natural history, 35:1–4; OR, 57:13; 58:17
palustris, AK, 65:45; feeding behavior, 50:23–24; natural history, 15:44–45
preblei, OR, 56(3):22–23; WA, 38:6
trowbridgii, distinguishing characters, 68:29–30; reproductive behavior, 57:58–62
vagrans, captive behavior, 47:51–53; distinguishing characters, 68:29–30; feeding behavior, 20:62–66; 56(1):13

sparrow

- American tree (tree, western tree), see *Spizella arborea*
 black-throated, see *Amphispiza bilineata*
 Brewer's, see *Spizella breweri*
 chipping, see *Spizella passerina*
 clay-colored, see *Spizella pallida*
 field, see *Spizella pusilla*
 fox (slate-colored), see *Passerella iliaca*
 grasshopper, see *Ammodramus savannarum*
 Harris', see *Zonotrichia querula*
 house (English), see *Passer domesticus*
 Le Conte's, see *Ammodramus lecontei*
 Lincoln's, see *Melospiza lincolni*
 sage, see *Amphispiza belli*
 savannah (Brook's, Bryant's marsh), see *Passerculus sandwichensis*
 song, see *Melospiza melodia*
 swamp, see *Melospiza georgiana*
 vesper, see *Pooecetes gramineus*
 white-crowned (Gambel's), see *Zonotrichia leucophrys*
 white-throated, see *Zonotrichia albicollis*

Spatula clypeata, see *Anas clypeata*

speed

- Antilocapra americana*, 5(3):8–9
 birds in flight, 15:23–24
Pooecetes gramineus, 19:18
Speotyto cunicularia, see *Athene cunicularia*
Spermophilus sp., behavior, 12:54–55; 12:80
beecheysi (includes *Citellus b.*), abnormal teeth, 12:23; WA, 20:44; 35:15; 43:28
beldingi (includes *Citellus b.*), subspecies, 21:59–61
columbianus (includes *Citellus c.*), albinism, 4(2):15; 13:55; 14:78; B.C., 9:22–23; 40:1–4; burrows, 64: 62–63; control, 12:46–49; ecology, 6:46–54; food, 67:75–78; organ weights, 61:101–102; WA, 40: 1–4
lateralis (includes *Citellus l.*, *Callospermophilus l.*), CA, 53:29–30; carnivorous behavior, 48:13; climbing, 12:54–55; feeding behavior, 47:18; WA, 1(2): 4
saturatus (includes *Citellus s.*), climbing, 12:54–55; 12:80; WA, 23:41

SPERMOPHILUS—cont.

- townsendii* (includes *Citellus t.*, *Citellus mollis*), abnormal teeth, 57:17–18; & badgers, 5(2):11; behavior, 23:62; breeding, 20:6–10; hibernation, 17:17–18; WA, 6:51
variegatus, ID, 69:50–53
washingtoni, OR, 60:28–29
Sphyrapicus
ruber, feeding behavior, 5(2):13
thyroideus, WA, 20:70; 46:28
varius, OR, 54:34–45; sap wells, 42:43; WA, 43:28
Spinus
pinus, see *Carduelis pinus*
psaltria, see *Carduelis psaltria*
tristis, see *Carduelis tristis*
Spizella
arborea (includes *S. monticola*), AK, 13:40; 48:18; WA, 7:43; 34:9; 35:7; 48:17
breweri, OR, 54:35–36
monticola, see *S. arborea*
pallida, WA, 41:30
passerina, behavior, 43:15
pusilla, B.C., 46:17
Squatarola squatarola, see *Pluvialis squatarola*
 squirrel(s), exotic, 22:63–64; feeding behavior, 1(1):7
 Douglas', see *Tamiasciurus douglasii*
 fox, see *Sciurus niger*
 gray, eastern, see *Sciurus carolinensis*
 gray, western (California), see *Sciurus griseus*
 northern flying, see *Glaucomys sabrinus*
 red (Richardson pine), see *Tamiasciurus hudsonicus*
 rock, see *Spermophilus variegatus*
 see also ground squirrel
 starling
 European (eastern), see *Sturnus vulgaris*
 Japanese (crested mynah), see *Acridotheres cristatellus*
Steganopus tricolor, see *Phalaropus tricolor*
Stelgidopteryx
ruficollis, see *S. serripennis*
serripennis (includes *S. ruficollis*), nesting, 43:16
Stellula calliope, WA, 35:8; 37:11
Stenella
coeruleoalba (includes *S. euphrosyne*, *S. styx*), B.C., 33: 10–11; measurements, 34:27–30; 41:23; OR, 28: 9–10 errata (insert), 28:21; WA, 31:47
euphrosyne, see *S. coeruleoalba*
styx, see *S. coeruleoalba*
Stercorarius
longicaudus, B.C., 49:6; behavior, 12:10; OR, 59:75–77; WA, 35:31–32; 40:7–8; 51:17
parasiticus, behavior, 12:9–10; ID, 62:26–27 addition, 63:72; WA, 51:17
pomarinus, attacks gull, 65:52; OR, 14:15; WA, 36:41
Sterna
albifrons, see *S. antillarum*
antillarum (includes *S. albifrons*), OR, 53:52

STERNA—cont.

caspia (includes *Hydroprogne c.*), food, 59:105–106; natural history, 62:66–72; nesting, 13:53; OR, 65:87–90; WA, 11(1):19–20; 39:19–20; 63:73–79

elegans (includes *Thalasseus e.*), CA, 52:14

hirundo, abnormality, 42:45; nesting, 13:53; OR, 42:7; WA, 33:42

paradisaea, AK, 13:26; nesting, 12:41–42; WA, 12:81; 27:53; 39:12

stilt, black-necked, see *Himantopus mexicanus*

stomach content analysis, see food; scat analysis

storms, see weather

Strix

- nebulosa* (includes *Scotiaptex n.*), nesting, 40:35; OR, 11:74; 41:28; 42:6; 68:45–49
- occidentalis*, food, 46:46; OR, 68:51–54; 69:65–68; WA, 5(1):13
- varia*, B.C., 37:37; 47:39–45; 51:19; 52:26; 54:25; food, 65:27–28; nesting behavior, 61:110–112

Sturnella neglecta, AK, 46:6

Sturnus vulgaris, B.C., 31:30–31; damage by, 5(2):12; 30:18; 31:11; ID, 32:13; nesting, 32:24; 34:47; OR, 39:27–28; roosting, 40:8–9; WA, 28:12; 28:21; 29:28–29; 29:29

Sula

- nebouxii*, WA, 26:45
- sula*, HI, 28:42

Surnia ulula, WA, 4(1):9; 41:14

Sus scrofa, AK, 68:57–58

swallow

- barn, see *Hirundo rustica*
- cliff, see *Hirundo pyrrhonota*
- northern rough-winged, see *Stelgidopteryx serripennis*
- tree, see *Tachycineta bicolor*
- violet-green, see *Tachycineta thalassina*

swan

- trumpeter, see *Cygnus buccinator*
- tundra (whistling), see *Cygnus columbianus*

swift

- black, see *Cypseloides niger*
- Vaux's, see *Chaetura vauxi*
- white-throated, see *Aeronautes saxatalis*

swimming

- Ardea herodias*, 22:55–56
- Canis latrans*, 13:24–25
- Ochetona princeps*, 43:54
- Phasianus colchicus*, 22:39
- see also diving

Sylvilagus

- bachmani*, breeding, 48:19; hybridization, 61:95–98; victimized, 50:17–18; young, 17:36–40
- floridanus*, aggressive behavior, 50:17–18; B.C., 34:9–10; disease, 15:54; hybridization, 61:95–98; OR, 53:25–26; tree damage, 41:25
- nuttallii*, B.C., 21:9

SYNAPTOMYS

Synaptomys borealis, ID, 34:10; WA, 11(2):7–10; 34:10; 54:7–8; 61:104–106

Synthliboramphus

antiquus, B.C., 11(1):19; eggs eaten by rats, 49:38; incubation, 65:53–56; nesting, 67:33–44; OR, 52:42; WA, 3(2):5; 23:18–19; 33:12; 37:25; 46:11; 63:71–72

hypoleucus (includes *Brachyramphus hypoleuca*, *Endomychura hypoleuca*), northern record, 35:50; WA, 16:16

systematics

birds, 14:27–36; 14:55–75; 15:3–19; 40:11; 55:32–38
errata, 56:15
see also type specimens

T

Tachycineta

bicolor (includes *Iridoprocne b.*), B.C., 44:10–11; development, 20:11–13

thalassina, AK, 13:40; growth, 9:65–66; migration, 9:69; mortality, 17:54–55; natural history, 23:5–10; nesting, 25:13; 43:16

Tamias sp. (includes *Eutamias* sp.), behavior, 6:41; WA, 28:23–30; 29:35–43; 30:27–34

amoenus (includes *Eutamias a.*), mycophagy, 68:24–27; new subspecies, 28:7–8; WA, 28:24–28; young, 23:84

dorsalis (includes *Eutamias d.*), natural history, 15:20–22

minimus (includes *Eutamias m.*), home range, 60:50–57; WA, 28:23–24

ruficaudus (includes *Eutamias r.*), age determination, 58:26–36

townsendii (includes *Eutamias t.*), B.C., 40:1–4; biology, 57:26–31; coloration, 31:9–11; pouch capacity, 44:7–8; WA, 28:28–30

Tamiasciurus sp., baculum, 50:10–11

douglasii (includes *Citellus d.*, *Sciurus d.*), feeding behavior, 17:18–19; WA, 3(3):18

hudsonicus (includes *Sciurus h.*), nesting, 7:12; OR, 60:23–25; WA, 7:42

tanager, western, see *Piranga ludoviciana*

tattler, wandering, see *Heteroscelus incanus*

Taxidea taxus, behavior, 5(2):11; captive behavior, 20:49–53; chases mountain sheep, 59:106–107; food, 6:51–52

teal

blue-winged, see *Anas discors*

cinnamon, see *Anas cyanoptera*

falcated, see *Anas falcata*

green-winged (common, European), see *Anas crecca*

teeth

Marmota caligata, 62:92

Microtus longicaudus, 51:11; 59:104–105

Odocoileus hemionus, 61:103–104

Ondatra zibethicus, 23:80–81

TEETH—cont.

- Spermophilus beecheyi*, 12:23
Spermophilus townsendii, 57:17–18;
Ursus arctos, 55:11
 see also tusks
Telmatodytes palustris, see *Cistothorus palustris*
 temperature, see weather
 temporal behavior
Nyctea scandiaca, 50:13–16
Selasaphorus rufus, 32:28
 tern
 Arctic, see *Sterna paradisaea*
 black, see *Chlidonias niger*
 Caspian, see *Sterna caspia*
 common, see *Sterna hirundo*
 elegant, see *Sterna elegans*
 least, see *Sterna antillarum*
 territoriality
Gavia immer, 62:20–21
Parus atricapillus, 57:47–48
 see also aggression
Thalasseus elegans, see *Sterna elegans*
Thomomys sp., breeding, 14:42; feeding behavior, 14:18; WA, 4(1):12–13
bulbivorus, breeding, 5(1):3–4; natural history, 3(3):6–8
columbianus, see *T. talpoides*
douglasii, see *T. talpoides*, *T. mazama*
fuscus, see *T. talpoides*
mazama (includes *T. douglasii*), age estimation, 60:38–41; behavior, 4(1):12; breeding, 5(1):3–4; food, 5(1):12; 41:17–22; natural history, 52:12–13; WA, 4(1):12–13
monticola, growth, 30:35–36; trapping, 30:55–56
talpoides (includes *T. columbianus*, *T. douglasii*, *T. fuscus*), behavior, 4(1):12; 23:34–41; breeding, 5(1):3–4; food, 5(1):12; mounds, 23:34–41; 29:9–10; relations to ground squirrels, 6:53; species relationships, 41:17–22; subspecies 20:3–5; 20:38–39; 23:3–4; 58:49–51; WA, 2(1):6; 4(1):12–13
 thrasher
 brown, see *Toxostoma rufum*
 sage, see *Oreoscoptes montanus*
 thrush
 hermit, see *Catharus guttatus*
 Swainson's, see *Catharus ustulatus*
 varied, see *Ixoreus naevius*
 wood, see *Hylocichla mustelina*
Thryomanes bewickii, WA, 43:50–51; 55:42–43
Thyphlops bulleri, see *Puffinus bulleri*
 tipping and bobbing behavior
Actitis macularia, 27:53
 birds, 24:25–26; 27:13
 see also display
 tit, see bushtit
Totanus
flavipes, see *Tringa flavipes*
melanoleucus, see *Tringa melanoleuca*

TOWHEE

- towhee
 brown, see *Pipilo fuscus*
 rufous-sided, see *Pipilo erythrophthalmus*
 Townsend, John Kirk (early ornithologist), 18:2–13; 19:2–7
Toxostoma rufum, B.C., 63:96–97; ID, 46:45–46; WA, 54:24
 trapping/traps
 birds, 3(1):9–12
Brachylagus idahoensis, 60:112–113
Carpodacus mexicanus, 51:15–16
 heat shield for live traps, 58:82–83
Martes americana, 36:1–8
 small mammals, 21:71–72; 52:28
Thomomys, 30:55–56
 voles, 48:58
 tree squirrel, see squirrel
 trees, see damage, economic; forests
Tringa
flavipes (includes *Totanus f.*), feeding behavior, 49:13–14; WA, 9:69
melanoleuca (includes *Totanus melanoleucus*), AK, 13:19–20; coloration, 25:11
Troglodytes
aedon, nest-helping, 49:4–6; parasites, 7:40
troglodytes, behavior, 6:37–39; 14:45; singing perches, 31:32–33
 tropicbird, red-billed, see *Phaethon aethereus*
Tryngites subruficollis, WA, 44:11
 tubenoses, WA, 23:54–59; 36:43
 see also seabirds; & species names
Turdus migratorius (includes *Planesticus m.*), aggression, 5(2):9; AK, 13:40; feeding behavior, 21:9; 59:26; food, 7:65; 42:26; 47:19; hatching, 54:38; migration, 12:24–25; mortality, 12:85; 42:26; nesting, 8:74; 61:102; song, 20:18
 turkey, wild, see *Meleagris gallopavo*
 turnstone
 black, see *Arenaria melanocephala*
 ruddy, see *Arenaria interpres*
 tusks
Odobenus rosmarus, 23:17
 see also teeth
Tympanuchus phasianellus (includes *Pediocetes p.*), behavior, 23:79; WA, 21:10
 type specimens
Aplopontonia rufa, 22:50–51
Brachyrhampus marmoratus, 36:15–17
Thomomys mazama, 52:12–13
 Washington birds, 14:27–36; 14:55–75; 15:3–19
 Washington mammals, 13:62–91
 see also systematics
Tyrannus
forficatus (includes *Muscivora forficata*), B.C., 49:14
melancholicus, WA, 35:49
tyrannus, B.C., 11(2):16; 12:83; breeding, 11(1):19
verticalis, OR, 35:38; WA, 9:22

TYTO

Tyto

- alba* (includes *T. pratincola*), B.C., 23:48-53; food, 23:48-53; 46:32-36; 50:4-8; 53:28; 55:5-7; 60:12-15; 60:106; 61:78-80; 63:29-30; 65:48-49; 66:65-68; nesting, 43:51; 52:25; WA, 5(1):13; 21:9; 25:29-30; 29:11
- pratincola*, see *T. alba*

U

Uria

- aalge*, assemblages, 66:94-95; nesting, 31:12-13; predation by gull, 67:30-31
- lomvia*, fledgling behavior, 40:5-6

Ursus

- americanus*, color change, 58:79; in eagle nest, 60:106-107; in heron colony, 61:113; predation on elk calf, 55:28; tree damage, 33:38-41; 48:34-38
- arctos* (includes *U. canadensis*, *U. gyas*, *U. horribilis*), abnormal teeth, 55:11; AK, 13:56; B.C., 40:1-4; behavior, 12:79-80; breeding, 30:53-54; census by tracks, 40:14-16; ID, 53:8-9; WA, 31:15; 40:1-4; 53:8-9
- canadensis*, see *U. arctos*
- gyas*, see *U. arctos*
- horribilis*, see *U. arctos*

Utah

- Microdipodops megacephalus*, 22:5-7

V

variation

- Aplodontia rufa*, 22:45-49
- Castor canadensis*, 65:78-79
- Glaucomys sabrinus*, 22:30-31
- Lemmus sibiricus*, 25:19-25
- Microtus longicaudus*, 61:2-5
- Tamias* sp., 29:34-43; 30:27-34

veery, see *Catharus fuscescens*

Vermivora

- celata*, WA, 16:40
- virginiae*, B.C., 46:17

vireo

- Hutton's*, see *Vireo huttoni*
- red-eyed, see *Vireo olivaceus*

Vireo

- huttoni*, WA, 25:26
- olivaceus*, mortality, 36:26; 36:44

volcanic eruptions, effects

- Icterus galbula*, 62:15-16
- seabirds & mammals, 61:50-62

vole

- California, see *Microtus californicus*
- creeping (Oregon), see *Microtus oregoni*
- heather, see *Phenacomys intermedius*
- long-tailed, see *Microtus longicaudus*
- meadow, see *Microtus pennsylvanicus*
- montane, see *Microtus montanus*
- northern red-backed, see *Clethrionomys rutilus*

VOLE—cont.

- red tree, see *Arborimus longicaudus*
- sagebrush, see *Lemmiscus curtatus*
- southern red-backed, see *Clethrionomys gapperi*
- Townsend's, see *Microtus townsendii*
- tundra, see *Microtus oeconomus*
- water, see *Microtus richardsoni*
- white-footed, see *Arborimus albipes*
- see also mouse

Vulpes

- fulva*, see *V. vulpes*
- macrotis*, OR, 20:44; 54:23; 60:25-27
- vulpes* (includes *V. fulva*), feeding behavior, 69:68-69; predation on mice, 28:18-21; WA, 53:31

vulture, turkey, see *Cathartes aura*

W

walrus, Pacific, see *Odobenus rosmarus*

warbler

- black-and-white, see *Mniotilla varia*
- black-throated gray, see *Dendroica nigrescens*
- blackpoll, see *Dendroica striata*
- chestnut-sided, see *Dendroica pensylvanica*
- hermit, see *Dendroica occidentalis*
- MacGillivray's, see *Oporornis tolmieei*
- mourning, see *Oporornis philadelphica*
- northern parula (parula), see *Parula americana*
- orange-crowned, see *Vermivora celata*
- palm, see *Dendroica palmarum*
- Swainson's, see *Limnothlypis swainsonii*
- Townsend's, see *Dendroica townsendii*
- Virginia's, see *Vermivora virginiae*
- yellow, see *Dendroica petechia*
- yellow-rumped (Audubon's, myrtle), see *Dendroica coronata*

Washington

(see also subentries below under Cascade Mountains; eastern Washington; offshore islands; Olympic Peninsula; Puget Sound; San Juan Islands; western Washington)

- Anas rubripes*, 30:20
- Aplodontia rufa*, 26:34-37
- birds, 2(2):8-12; 9:22; 14:27-36; 14:55-75; 15:3-19; 16:11-14; 18:2-13; 19:2-7
- birds & mammals, 1884, 26:29-30
- Branta canadensis*, 42:13-21
- Buteo regalis*, 7:54; 12:65-70
- Butorides striatus*, 32:12
- Calcarius lapponicus*, 9:22
- Calidris acuminata*, 9:22
- Calidris himantopus*, 9:22
- Canis lupus*, 28:12-13
- Cervus elaphus*, 16:3-6
- Clethrionomys gapperi*, 26:27-28
- Corvus corax*, 9:45
- Coturnicops noveboracensis*, 19:16
- Cyanocitta cristata*, 58:84-86
- Didelphis virginiana*, 28:12

WASHINGTON—cont.

- Eptesicus fuscus*, 16:41–42
 game birds, 4(3):3–15
Gulo gulo, 19:8–10; 49:12–13; 55:15–18; 58:13–16
Haliaeetus leucocephalus, 67:45–50
Himantopus mexicanus, 60:67–71
Junco hyemalis, 5(1):5–7
Larus argentatus, 19:16
Larus californicus, 13:53
Larus pipixcan, 23:18
Lemmiscus curtatus, 29:44–47
Limosa fedoa, 9:22
 mammals, 13:25; 13:63–91; 26:29–30
Martes pennanti, 19:8–10
Mimus polyglottos, 28:11
Mustela nivalis, 13:24
Neurotrichus gibbsii, 56(1):2–3
Pelecanus erythrorhynchos, 7:49
Phoca vitulina, 54:4–6
Scapanus orarius, 25:27–28
Sciurus griseus, 6:40
 seabirds, 67:51–59
Selasphorus platycercus, 11:73–74
 shorebirds, 67:51–59
Sorex merriami, 35:1–4
Spermophilus beecheyi, 20:44
Stenella sp., 41:23
Sterna caspia, 11(1):19–20; 13:53; 63:73–79
Sterna hirundo, 13:53
Sterna paradisaea, 12:81
Synaptomys borealis, 11(2):7–10
Tamias amoenus, 28:7–8
Tamiasciurus douglasii, 3(3):18
Thomomys talpoides, 20:3–5; 20:38–39
Tyrannus verticalis, 9:22
 waterfowl, 17:20–21
Zonotrichia leucophrys, 39:11–12
- Washington Cascade Mountains
 birds, 2(3):9–10; 3(2):8–9; 8:79; 10:7–9; 15:81; 20:27–37; 20:70
Castor canadensis, 8:78
Dendragapus obscurus, 13:94
 gull, 7:64
Leucosticte arctoa, 15:79
 mammals, 3(2):8–9; 8:79; 11(2):14–15; 11:65–67; 12:50–53; 15:46–48; 20:70–71
 Mount Baker field conditions, 15:54
Picoides tridactylus, 9:69
- Washington, eastern Washington
Aegolius acadicus, 20:22; 66:21–24
Aegolius funereus, 61:80
Alectoris chukar, 60:58–66
Ammodramus caudacutus, 46:26
Ammodramus savannarum, 19:16–17
Anas cyanoptera, 59:2–6
Anas discors, 59:2–6
Anas penelope, 30:40

WASHINGTON, EASTERN—cont.

- Anser albifrons*, 30:41; 58:89
Antrozous pallidus, 17:56; 37:34–35
Aquila chrysaetos, 27:34; 37:11–12; 59:28–30; 60:99–105; 64:73–77
Ardea herodias, 6:25–27
Asio otus, 6:58; 57:16–17; 58:2–6
Athene cunicularia, 41:29; 57:16–17
Bartramia longicauda, 10:37; 22:40
 bats, 9:70; 11(2):11–13
 birds, 2(1):6; 2(1):14–16; 2(2):5; 2(2):18; 3(1):7; 3(1):8; 4(2):17–18; 4(3):16; 6:6–7; 6:15; 6:41; 7:3–7; 7:35–36; 7:36–37; 7:38; 7:41; 7:48–51; 7:65; 8:17; 8:47; 10:19; 10:34–37; 11:55–59; 12:12–14; 13:41–46; addition, 14:80; 13:50–52; 14:43–44; 20:14–16; 21:48; 22:40; 24:35–46; 25:3–8; 26:18–23; 28:2–5; 28:34; 30:21; 30:40; 32:23–24; 33:18–28; 35:25–31; 39:15–18; 45:22–25; 53:42–47; 55:19–22; 57:54–57; 65:60–61
Brachylagus idahoensis, 4(2):16
Branta bernicla, 39:12
Branta canadensis, 11(2):18; 20:5; 32:2–7; 37:14–17; 59:96–100
Bubo virginianus, 6:20; 6:58; 58:2–6
Bucephala islandica, 35:33–38
Buteo jamaicensis, 57:70–71
Buteo platypterus, 58:18
Buteo regalis, 7:54
Calidris acuminata, 54:21–22
Calidris alba, 17:55
Calidris alpina, 38:7; 38:31
Calidris bairdii, 20:70
Calidris ferruginea, 54:21–22
Calidris pusilla, 33:42
Callipepla californica, 60:58–66
Carpodacus purpureus, 39:10
Casmerodium albus, 31:46; 60:33–34
Catherpes mexicanus, 10:12–13; 17:21
Catoptrophorus semipalmatus, 32:43; 39:25
Ceryle alcyon, 40:20
Chen caerulescens, 50:24; 53:36–37
Chen rossi, 53:49–50
Cinclus mexicanus, 63:98–99
Clangula hyemalis, 6:11; 39:12
Coccyzus erythrophthalmus, 33:44–45; 40:12
Colaptes auratus, 22:39
Colinus virginianus, 11:60–64
Columba fasciata, 48:17; 48:57
Coturnicops noveboracensis, 55:25–26
Cyanocitta cristata, 32:43; 57:44; 57:64–65
Cygnus buccinator, 36:44; 37:35
Cygnus columbianus, 20:10
 deer, 16:35–37; 30:21
Dendragapus obscurus, 3(2):5
Dendroica occidentalis, 36:11
Dendroica pensylvanica, 59:102
Didelphis virginiana, 41:15

WASHINGTON, EASTERN—cont.

- Dipodomys ordii*, 50:33–34
Dolichonyx oryzivorus, 7:15; 13:53
Empidonax difficilis, 33:29–30
Empidonax wrightii, 52:40; 54:14–16
Eremophila alpestris, 12:43–45
Erethizon dorsatum, 13:55
Falco mexicanus, 7:37
Falco peregrinus, 42:43; 54:19
Falco rusticolus, 30:40; 39:25; 41:29
Felis lynx, 13:95; 45:29
Fregata magnificens, 57:43–44
Fulica americana, 20:70
Gallinago gallinago, 31:46
game birds, 4(2):18
Gavia arctica, 31:47
Gavia immer, 30:20; 48:17
Glaucomys sabrinus, 7:42
Grus canadensis, 41:41
Gulo gulo, 22:37
Haematopus bachmani, 28:6
Haliaeetus leucocephalus, 60:99–105; 63:46–50
herons, 13:92–93; 20:22
Himantopus mexicanus, 41:30
Hirundo rustica, 59:108
Histrionicus histrionicus, 10:36; 36:17
Lanius ludovicianus, 5(2):11
Larus canus, 42:43–44
Lepus sp., 11(2):18
Lepus townsendii, 35:15
Leucosticte arctoa, 9:47–48
Limnodromus griseus, 66:31–34
Limosa fedoa, 32:43
Limosa haemastica, 41:16
Lophodytes cucullatus, 54:10–11
Loxia leucoptera, 34:32; 39:20; 58:21
mammal parasites, 26:11–14
mammals, 2(2):5; 6:5; 7:3–7; 8:47; 9:9–14; 12:26; 21:
 53–58; 25:35–42; 31:39–42
Marmota caligata, 56(1):11–12
Melanitta fusca, 63:69–70
Mergus serrator, 31:13
mice, 2(2):6–7
Mimus polyglottos, 43:15
Mniotilla varia, 48:21; 57:66–67
Myiarchus cinerascens, 4(3):18; 8:48
Myotis thysanodes, 49:26–27
Nucifraga columbiana, 35:12; 39:27
Numenius phaeopus, 32:43
Oreoscoptes montanus, 57:67
Otus flammeolus, 35:11
Parula americana, 56(1):12
Parus hudsonicus, 39:14; 46:27
Passerella iliaca, 37:11
Perdix perdix, 36:9–10; 60:58–66
Peromyscus sp., 4(3):18
Phalacrocorax auritus, 43:50; 49:25–26

WASHINGTON, EASTERN—cont.

- Phalaenoptilus nuttallii*, 29:50
Phalaropus fulicaria, 45:11
Phalaropus tricolor, 6:9; 6:21; 10:58–61
Phasianus colchicus, 60:58–66
Picoides albolarvatus, 6:63; 20:18
Picodes arcticus, 27:26–27
Pinicola enucleator, 5(1):8
Plecotus rafinesquii, 19:18–19
Plegadis chihi, 32:43
Pluvialis dominica, 32:28
Pluvialis squatarola, 32:28
Progne subis, 65:94–95
Psaltriparus minimus, 30:19–20; 30:39
Quiscalus quiscula, 32:13
rabbits, 4(2):16
Rangifer tarandus, 19:19
raptors, 10:10–11; 56(3):12–16; 63:2–8
Rallus limicola, 36:40
Rattus norvegicus, 7:15
Recurvirostra americana, 6:21
Regulus satrapa, 19:17
Salpinctes obsoletus, 55:42
Scapanus orarius, 44:23
Sciurus niger, 31:34; 60:73–74
Seiurus aurocapillus, 38:7
Seiurus noveboracensis, 17:55–56; 29:50; 33:44; 35:50;
 44:16
Selasphorus platycercus, 11:73–74
Setophaga ruticilla, 35:13
shorebirds, 39:21–22; 40:33; 46:7–11
Sorex hoyi, 66:59–60
Sorex preblei, 38:6
Spermophilus beecheyi, 5(2):11; 35:15; 43:28
Spermophilus columbianus, 6:46–54; 13:55; 14:78
Spermophilus townsendii, 6:51
Sphyrapicus thyroideus, 20:70; 46:28
Sphyrapicus varius, 43:28
Spizella pallida, 41:30
Stellula calliope, 35:8
Stercorarius longicaudus, 35:31–32; 40:7–8; 51:17
Stercorarius parasiticus, 51:17
Sterna hirundo, 33:42
Sterna paradisaea, 39:12
Sturnus vulgaris, 29:29; 32:24; 34:47
Surnia ulula, 41:14
Synaptomyia borealis, 34:10; 54:7–8; 61:104–106
Synthliboramphus antiquus, 33:12; 37:25; 46:11; 63:71–
 72
Tamias sp., 28:23–30; 29:35–43; 30:27–34
Taxidea taxus, 5(2):11
Thomomys talpoides, 23:3–4; 23:34–41
Thryomanes bewickii, 43:50–51; 55:42
Tryngites subruficollis, 44:11
Tympanuchus phasianellus, 21:10
Tyto alba, 63:29–30
Ursus arctos, 31:15; 53:8–9

WASHINGTON, EASTERN—cont.

- Vulpes vulpes*, 53:31
waterfowl, 29:2-4; 30:46-52
Xanthocephalus xanthocephalus, 41:30
Xema sabini, 42:43-44; 45:28-29
Zenaida macroura, 23:82; 26:26
Zonotrichia albicollis, 33:14; 42:24; 44:34
Zonotrichia querula, 46:14-15
 Washington, offshore islands
 birds, 4(2):8-10
Fratercula cirrhata, 61:92-94
Lutra canadensis, 65:25-27
 mammals, 65:80-83
Microtus townsendii, 68:63-66
 Washington, Olympic Peninsula
Anas rubripes, 30:20
Aplodontia rufa, 11:75-76
Athene cunicularia, 7:39; 22:57-58
Aythya collaris, 44:14-15
 birds, 1(1):5-6; 1(1):8; 2(2):5; 2(2):7; 2(2):13-15; 3(1):5; 6:62-63; 7:43; 8:35-42; 8:56-58; 8:59-70; 8:77; 9:16-19; 9:21-22; 11:71-73; 12:81; 13:93-94; 14:15; 15:51; 15:79-80; 17:21
Calcarius lapponicus, 37:22
Calcarius ornatus, 60:107-108
Calidris alba, 8:18; 20:25
Calidris himantopus, 8:76; 16:70
Calidris pusilla, 51:25-26
Cathartacta maccormicki, 16:70; 19:18; 20:71
Catoptrophorus semipalmatus, 33:13; 37:24-25
Cerorhinca monocerata, 66:62-65
Cervus elaphus, 2(2):6; 17:30-35
Charadrius morinellus, 15:79
Cyclorrhynchus psittacula, 16:16; 31:46
Cygnus columbianus, 18:29
Dendroica coronata, 38:3
Erethizon dorsatum, 33:13
Eumetopias jubatus, 2(1):6
Fratercula sp., 40:21
Grus canadensis, 8:77
Larus delawarensis, 17:55; 58:86-87
Larus glaucopterus, 32:44
Larus thayeri, 6:41
Lasiurus cinereus, 16:72
Limosa fedoa, 8:77
Lissodelphis borealis, 21:10
 mammals, 2(2):7; 3(1):8; 13:47-49; 14:37-41; 33:32-37
 mammals, marine, 42:29-37; 58:21-23
Melanerpes lewis, 40:10
Melospiza melodia, 6:61
Oceanodroma furcata, 2(1):5-6
Oceanodroma leucorhoa, 31:46; 35:46-47
Oreamnos americanus, 6:10; 13:25
Passerina cyanea, 47:45; repeat, 48:40
 passerines, 17:55
Pelecanus occidentalis, 19:18

WASHINGTON, OLYMPIC PENINSULA—cont.

- Phaethon aethereus*, 28:6; 28:22
Phalaropus fulicaria, 9:21; 10:18
Phoenicopterus ruber, 56(3):20-22
Polyborus plancus, 17:54
Puffinus bulleri, 14:15
 seabirds, 42:29-37; 68:103-107
 shorebirds, 36:43
Sialia currucoides, 9:21-22
Sitta carolinensis, 10:18
Stenella coeruleoalba, 31:47
Sterna caspia, 11(1):19-20; 39:19-20; 59:105-106; 62:66-72
Synthliboramphus antiquus, 3(2):5
Synthliboramphus hypoleucus, 16:16
 tubenoses, 36:43
Tyrannus melancholicus, 35:49
Tyrannus verticalis, 9:22
Tyto alba, 60:106
Xanthocephalus xanthocephalus, 16:18; 48:20
Ziphius cavirostris, 54:37
 Washington, Puget Sound
Ardea herodias, 7:13-14; 13:26; 14:42-43
 birds, 1(1):6-7; 1(2):7-8; 6:64
Ceryle alcyon, 6:59-60
Chen canagica, 45:29
Chlidonias niger, 37:37
Dryocopus pileatus, 12:23-24
 ducks, diving, 47:23-32
Eumetopias jubatus, 67:93-96
Euphagus cyanocephalus, 8:16
Gavia arctica, 9:69; 17:56
 gulls & cormorants, 52:20-23
 mammals, small, 7:27-30; 7:67
Megaptera novaeangliae, 11:75
Mirounga angustirostris, 44:23-24; 50:37
Oceanodroma leucorhoa, 23:58-59; 35:16
Orcinus orca, 53:22-24
Pelecanus erythrorhynchos, 28:6
Pelecanus occidentalis, 23:20
Phalaropus fulicaria, 22:38
Phoca vitulina, 60:110-112; 62:83-86
Plectrophenax nivalis, 7:15
Ptychoramphus aleuticus, 23:18-19
Puffinus griseus, 23:57-58; 39:24
Puffinus tenuirostris, 23:54-57
Spizella arborea, 7:43
Sterna paradisea, 27:53
Sula nebouxii, 26:45
Synthliboramphus antiquus, 23:18-19
Tachycineta thalassina, 9:69
 waterfowl, 1(2):7-8; 47:23-32
Xema sabini, 22:61
Zalophus californianus, 62:83-86; 67:93-96
Zonotrichia albicollis, 29:49
Zonotrichia leucophrys, 7:43

WASHINGTON, SAN JUAN ISLANDS

Washington, San Juan Islands

- bats, 21:4-5
 - birds, 10:1-7; 10:27-33; 15:80-81; 16:51-65; 27:33-34; 31:27-30; 39:1-9; 44:12-13
 - Haliaeetus leucocephalus*, 58:37-39
 - Larus glaucescens*, 58:18-20
 - Limnodromus scolopaceus*, 41:15
 - Lutra canadensis*, 48:20
 - mammals, marine, 44:25-26
 - mammals, small, 16:52; 44:25-26
 - Microtus townsendii*, 21:7-8
 - Pandion haliaetus*, 69:24-27
 - Somateria spectabilis*, 48:7
 - Tyto alba*, 29:11; 43:51
- Washington, western Washington
- Aegolius acadicus*, 25:29-30
 - Aethia cristatella*, 23:82
 - Aix sponsa*, 5(3):11; 8:15
 - Anas acuta*, 46:12-14
 - Anas clypeata*, 22:32-35
 - Anas crecca*, 28:13; 50:36
 - Anas cyanoptera*, 41:27
 - Anas discors*, 18:30
 - Anas penelope*, 12:21-22; 14:15; 16:40; 28:13
 - Anas platyrhynchos*, 7:68
 - Anas strepera*, 64:27-31
 - Aplodontia rufa*, 12:22-23
 - Ardea herodias*, 13:35-37
 - Asio flammeus*, 6:21
 - Athene cunicularia*, 5(1):8
 - Aythya fuligula*, 51:25
 - bats, 14:77; 55:13-14
 - birds, 1(1):8; 1(2):4-7; 1(2):8-10 errata, 2(2):3; 2(1):6; 2(1):11-12; 2(2):4; 2(2):5; 2(3):5; 3(1):4-5; 3(1):7; 3(2):7; 3(2):14-16; 3(3):3; 3(3):4; 3(3):13-18; 4(1):8-9; 4(1):13; 5(2):7-8; 5(3):11; 5(3):12; 6:13; 6:15; 6:42; 7:14; 7:16; 7:63; 8:8-11; 8:29-34; 8:44-46; 9:28-38; 10:18; 10:52-55; 11(1):20-21; 11(1):21-22; 11(2):18-19; 12:56; 12:83-84; 13:23; 14:80; 20:22; 21:29-33; 21:34-46
 - Bombycilla garrulus*, 8:18
 - Bubo virginianus*, 62:2-5
 - Buteo platypterus*, 65:93-94
 - Butorides striatus*, 21:1-3; 41:26
 - Calcarius ornatus*, 60:107-108
 - Calidris alba*, 16:40
 - Calidris alpina*, 66:11-16
 - Calidris himantopus*, 22:61-62
 - Callorhinus ursinus*, 20:43
 - Canis latrans*, 3(1):6
 - Casmerodus albus*, 43:52
 - Castor canadensis*, 38:7
 - Catoptrophorus semipalmatus*, 37:25
 - Cephus columba*, 5(3):12
 - Chaetura vauxi*, 3(2):11-14
 - Chamaea fasciata*, 20:10

WASHINGTON, WESTERN—cont.

- Chen canagica*, 28:41
- Chordeiles minor*, 7:51-53
- Cinclus mexicanus*, 15:53
- Circus cyaneus*, 66:82-84
- Cistothorus palustris*, 2(3):5
- Colaptes auratus*, 14:16
- Corvus corax*, 69:69-72
- Coturnicops noveboracensis*, 19:16
- Cyanocitta stelleri*, 11:68-69
- Cypseloides niger*, 8:76-77
- Dendroica coronata*, 7:41
- Didelphis virginiana*, 24:27-28
- Dumetella carolinensis*, 10:63
- Enhydra lutris*, 67:84-87
- Eptesicus fuscus*, 12:56
- Erethizon dorsatum*, 19:19
- Euphagus carolinus*, 9:20
- Falco columbarius*, 6:21; 6:22
- Falco mexicanus*, 4(1):13
- Falco peregrinus*, 8:10
- Falco rusticolus*, 8:10
- Gallinago gallinago*, 2(3):11-12
- Gavia adamsii*, 51:23
- Grus canadensis*, 38:36-37
- Haliaeetus leucocephalus*, 56(3):2-6
- Larus argentatus*, 19:16
- Larus delawarensis*, 58:86-87
- Larus glaucescens*, 10:64; 30:57; 30:58; 53:51; 63:27-29
- Larus hyperboreus*, 6:12
- Larus occidentalis*, 6:12; 6:13
- Larus pipixcan*, 23:18; 48:19
- Lasionycteris noctivagans*, 17:56; 34:32
- Lasiurus cinereus*, 14:77; 15:26
- Limnodromus griseus*, 2(3):7
- Loxia leucoptera*, 4(3):17
- Lutra canadensis*, 56(2):9-10
- mammals, 1(2):4-7; 3(1):6-7; 4(1):12-13; 12:22; 40:1-4
- Marmota flaviventris*, 15:81
- Melospiza lincolni*, 39:20
- Melospiza melodia*, 6:41
- Mimus polyglottos*, 16:17-18
- Molothrus ater*, 39:27
- Mustela vison*, 21:47
- Neurotrichus gibbsii*, 20:10; 22:12-14
- Nyctea scandiaca*, 32:14
- Oreoscoptes montanus*, 28:11
- Otus kennicottii*, 6:40
- Pandion haliaetus*, 7:67; 8:47
- parrots, 22:64
- Passerulus sandwichensis*, 12:83
- Passerella iliaca*, 1(1):8; 2(1):6; 5(1):11; 7:40
- passerines, 1(1):8
- Pelecanus erythrorhynchos*, 25:29
- Pelecanus occidentalis*, 14:16

WASHINGTON, WESTERN—cont.

- Perdix perdix*, 12:84
Phalacrocorax auritus, 5(3):6-7; 16:70
Phalaropus tricolor, 15:50; 23:19
Phasianus colchicus, 52:7-9
Phoca vitulina, 23:76
Pica pica, 5(2):11
Pinicola enucleator, 29:27
Plecotus townsendii, 53:10-11
Plectrophenax nivalis, 2(1):5
Progne subis, 25:43-44; 26:45-46
Psaltriparus minimus, 25:46
Puffinus griseus, 5(2):13
Quiscalus quiscula, 47:19-20
Rallus limicola, 18:28
Salpinctes obsoletus, 15:51
sandpipers, 54:1-3
Sciurus griseus, 2(3):12-13
Sialia currucoides, 7:41; 9:21
Sitta carolinensis, 65:51-52
Somateria spectabilis, 29:48
Spizella arborea, 34:9; 35:7; 48:17
squirrels, 22:63-64
Strix varia, 61:110-112
Sturnus vulgaris, 28:12; 28:21; 29:28-29; 30:18; 31:11; 40:8-9
Surnia ulula, 4(1):9
Synaptomys borealis, 61:104-106
Toxostoma rufum, 54:24
Tringa flavipes, 9:69
Tyto alba, 21:9; 25:29-30
Vermivora celata, 16:40
Vireo huttoni, 25:26
waterfowl, 5(2):10-11; 6:8; 21:29-33; 29:5-8; 31:35; 31:48
Xanthocephalus xanthocephalus, 50:21
Xema sabini, 48:19
Zenaida macroura, 22:59; 30:59
Zonotrichia albicollis, 30:17; 36:11
Zonotrichia querula, 35:50
waterfowl, AK, 59:42-58; 68:12-23; CA, 38:9-25; 43:19-28; 47:1-5; disease, 3(3):3-4; endoparasites, 29:2-4; food, 5(3):3-5; 15:63-68; 36:39-40; ID, 17:53; introducing food plants, 16:66-69; migration, 5(2):10-11; 7:66; mortality rates, 37:31-34; NW Territories, 29:21-26; oiled, 11(1):22; OR, 53:27; 64:78-86; outlook for, 20:40-41; WA, 1(1):5-8; 1(2):7-8; 6:8; 7:48-51; 17:20-21; 21:29-33; 29:5-8; 30:46-52; 31:35; 31:48; 47:23-32
see also seabirds; shorebirds; species names
waterthrush, northern (Grinnell's), see *Seiurus noveboracensis*
- waxwing
Bohemian, see *Bombycilla garrulus*
cedar, see *Bombycilla cedrorum*
- weasel
ermine (short-tailed), see *Mustela erminea*

WEASEL—cont.

- least, see *Mustela nivalis*
long-tailed, see *Mustela frenata*
weather data
& wildlife management, 27:28-33; errata (insert), 27:41
weather effects
Aechmophorus occidentalis, 50:36
Ardea herodias, 62:16-18
birds, 22:36
Cervus elaphus, 2(2):6
Phalaropus fulicaria, 16:15-16; 16:27-28
wildlife, 30:21
weather modification
& ecology, 28:36
weights
Anas platyrhynchos, 28:21
Ardea herodias, 62:18-19
birds, 18:29
Branta canadensis, 51:34-37; 53:33-34
Cervus elaphus, 65:41-44
Chen rossi, 28:21
Didelphis virginiana, 60:95-98
ducks, 51:20-21
Sciurus griseus, 54:20-21
Spermophilus columbianus, organs, 61:101-102
see also measurements
whale(s), parasites, 20:67-69
goose-beaked (Cuvier's beaked), see *Ziphius cavirostris*
gray, see *Eschrichtius robustus*
humpback, see *Megaptera novaeangliae*
killer, see *Orcinus orca*
minke (sharp-headed finner, little piked), see *Balaenoptera acutorostrata*
wheatear, northern, see *Oenanthe oenanthe*
whimbrel, see *Numenius phaeopus*
wigeon, Eurasian (European), see *Anas penelope*
wildlife management, see management
willet, see *Catoptrophorus semipalmatus*
wolf, gray (timber), see *Canis lupus*
wolverine, see *Gulo gulo*
woodchuck, see *Marmota monax*
woodpecker(s), behavior, 15:25-26; 18:31; mortality, 13:95
acorn (California), see *Melanerpes formicivorus*
black-backed (arctic three-toed), see *Picoides arcticus*
downy, see *Picoides pubescens*
golden-winged, see *Colaptes auratus*
Lewis', see *Melanerpes lewis*
pileated, see *Dryocopus pileatus*
red-headed, see *Melanerpes erythrocephalus*
white-headed, see *Picoides albolarvatus*
woodrat
bushy-tailed (pack), see *Neotoma cinerea*
dusky-footed, see *Neotoma fuscipes*

WREN

wren

- Bewick's, see *Thryomanes bewickii*
 canyon (dotted canyon, dotted), see *Catherpes mexicanus*
 house, see *Troglodytes aedon*
 marsh (long-billed marsh, tule), see *Cistothorus palustris*
 rock, see *Salpinctes obsoletus*
 winter, see *Troglodytes troglodytes*

wrentit, see *Chamaea fasciata*

Wyoming

- birds, 5(3):8-9; 67:90-92
 mammals, 5(3):8-9
 mammals, small, 12:76-78

X

Xanthocephalus xanthocephalus, OR, 24:28; 35:49; WA, 16:18; 41:30; 48:20; 50:21

Xema sabini, B.C., 9:21; behavior, 6:4-5; nesting, 12:40-41; WA, 6:21; 22:61; 42:43-44; 45:28-29; 48:19

Xenopus albolarvatus, see *Picoides albolarvatus*

Y

yellowlegs

- greater, see *Tringa melanoleuca*
 lesser, see *Tringa flavipes*

Yukon Territory

- birds, 21:11

ZALOPHUS

Z

Zalophus californianus, associated sea birds, 64:48-51; food, 62:83-86; OR, 62:56-59; WA, census, 67:93-96

Zapus

- princeps*, B.C., 40:1-4; ID, 20:71; OR, 23:60; predation by robin, 47:19; WA, 40:1-4
trinotatus, behavior, 16:18-19; hibernation, 13:55-56; 20:17-18; nesting, 60:72

Zenaida macroura (includes *Zenaidura m.*), B.C., 35:13; 36:11; food, 67:60-62; growth, 48:14-16; nesting, 22:59; OR, 26:26; Pacific NW, 22:59-60; WA, 23:82; 26:26; 30:59

Zenaidura macroura, see *Zenaida macroura*

Ziphius cavirostris, AK, 60:35-36; B.C., 21:9; 33:10-11; WA, 54:37

zones, see habitats

Zonotrichia

- albicollis*, B.C., 28:37; OR, 40:34; WA, 29:49; 30:17; 31:14; 36:11; 42:24; 44:34

gambeli, see *Z. leucophrys*

leucophrys (includes *Z. gambeli*), AK, 13:39-40; subspecies, 39:11-12; WA, 7:43

querula, B.C., 16:40; 43:53; NV, 16:41; OR, 14:16; 36:29; 43:52; WA, 35:50; 46:14-15

BOOK REVIEW INDEX

- Alcorn, G. G. 1978. Northwest birds—distribution and eggs. Western Media Printing and Publication, Tacoma, 161 pp. 60:80.
- Allen, G. T., R. L. Knight and M. V. Stalmaster. 1980. An annotated bibliography of Bald and Golden Eagles in Washington. Washington Dept. of Game, Olympia, 66 pp. 62:31.
- Allen, G. M. 1939. Bats. Harvard Univ. Press, Cambridge, Massachusetts, 368 pp. 21:12.
- . 1942. Extinct and vanishing mammals of the western hemisphere, with the marine species of all the oceans. American Committee for Internat'l. Wildl. Protection, Lancaster, Pennsylvania. 11:1-620. 24:30.
- American Ornithologists' Union. 1931. Checklist of North American birds. Fourth ed. A.O.U., Lancaster, Pennsylvania, 526 pp. 13:27.
- . 1957. The A.O.U. checklist of North American birds. Fifth ed. Lord Baltimore Press, 691 pp. 38:38-39.
- Anderson, R. M. 1946. Catalogue of Canadian Recent mammals. Canadian Dept. of Mines and Resources, Natl. Mus. of Canada, Bull. No. 102:1-238. 28:15.
- . 1948. Methods of collecting and preserving vertebrate animals. Second ed., rev. Natl. Mus. of Canada, Bull. No. 69 (Biol. Ser. No. 18):1-162. 30:21-22.
- Baker, W., E. Larrison, C. Yocom and I. Baxter. 1961. Wildlife of the northern Rocky Mountains. (Naturegraph Co., Healdsburg, California). Am. Wildl. Region Ser. 6:1-112. 42:28.
- Ball, I. J., E. L. Bowhay and C. F. Yocom. 1981. Ecology and management of the western Canada Goose in Washington. Washington Dept. of Game, 67 pp. 65:32.
- Bent, A. C. 1942. Life histories of North American flycatchers, larks, swallows and their allies. U.S. Natl. Mus., Bull. No. 179:1-555. 23:85.
- Bodsworth, F. 1955. Last of the Curlews. Dodd, Mead and Co., New York, 128 pp. 36:13.
- Boone and Crockett Club. 1939. North American big game. Charles Scribner's Sons, New York, 533 pp. 21:12.
- Booth, E. S. 1942. A field guide to the birds of eastern Washington, eastern Oregon, and Idaho. Publ. by author, Walla Walla College, College Place, Washington, 43 pp. 23:21-22.
- . 1948. Birds of the West. [No imprint], 397 pp. 29:29.
- . 1950. Birds of the West. New ed. Stanford Univ. Press, 402 pp. 31:48.
- Bowers, N. A. 1942. Cone-bearing trees of the Pacific Coast. (Whittlesey House Field Guide Series). McGraw-Hill, New York, 169 pp. 23:87.
- Brandt, H. 1951. Arizona and its bird life. The Bird Research Foundation, Cleveland, Ohio, 724 pp. 34:11.
- Brockman, C. F. 1949. Trees of Mount Rainier National Park. Univ. of Washington Press, Seattle, 49 pp. 30:42.
- Bronson, W. S. 1939. The chisel-tooth tribe. Harcourt, Brace and Co., New York, 200 pp. 21:12.
- Burleigh, T. D. 1972. Birds of Idaho. Caxton Printers, Caldwell, Idaho, 467 pp. 53:53-54.
- Burns, N. J. 1941. Field manual for museums. U.S. Gov. Printing Office, Washington, D. C., 426 pp. 23:22.
- Burt, W. H. and R. P. Grossenheider. 1952. A field guide to the mammals. Houghton-Mifflin Co., 200 pp. 33:15.
- Butler, R. W. and R. W. Campbell. 1987. The birds of the Fraser River Delta: populations, ecology and international significance. Canadian Wildl. Serv., Occ. Papers 65:1-73. 69:57-58.
- Cahalane, V. H. 1943. Meeting the mammals. Macmillan Co., New York, 133 pp. 24:30.
- Campbell, R. W., H. R. Porter, C. D. Shepard and C. J. Guiguet. 1979. A bibliography of British Columbia ornithology. Heritage Record No. 7, British Columbia Prov. Mus., 185 pp. 61:114-115.
- Carson, R. L. 1941. Under the sea-wind. Simon and Schuster, New York, 316 pp. 22:65.
- Clarke, F. E., comp. 1940. Great wings and small. Bird stories of our day. Macmillan Co., New York, 332 pp. 21:50.
- Cockrum, E. L. 1962. Introduction to mammalogy. Ronald Press Co., New York, 455 pp. 44:36.
- Collins, E. H., Jr. 1951. Birds of Montezuma Castle and Tuzigoot National Monuments. Southwest Monuments Assoc., Santa Fe, New Mexico, 14 pp. 32:30.
- Cormack, M. and W. P. Alexander. 1931. The museum comes to life. American Book Co., New York, 207 pp. 12:87.
- Dalquest, W. W. 1948. Mammals of Washington. Univ. of Kansas, Publ. Mus. Nat. Hist. 2:1-444. 29:13-14.
- Davis, W. B. 1939. The Recent mammals of Idaho. Univ. of California, Berkeley, Contrib. Mus. Vert. Zool., Caxton Printers, Caldwell, Idaho, 400 pp. 20:24.
- Deck, R. S. 1941. Pageant in the sky. Dodd, Mead and Co., New York, 268 pp. 23:21.
- Dickey, F. V. V. 1935. Familiar birds of the Pacific Southwest, with size and color key. Stanford Univ. Press, 241 pp. 16:73.
- Drent, R. H. and C. J. Guiguet. 1961. A catalogue of British Columbia seabird colonies. British Co-

- lumbia Prov. Mus., Occ. Papers No. 12:1-173. 42: 45.
- Driver, E. C. 1942. Name that animal. [Publ. by author], 527 pp. 24:12.
- Dufresne, F. 1946. Alaska's animals and fishes. A. S. Barnes and Co., New York, 297 pp. 28:14-15.
- Einarsen, A. S. 1948. The pronghorn antelope and its management. Wildl. Manage. Institute, Washington, D. C., 238 pp. 30:62.
- Elliott, C., ed. 1942. Fading trails. Macmillan Co., New York, 279 pp. 24:12.
- Farner, D. S. 1952. Birds of Crater Lake National Park. Univ. of Kansas Press, 187 pp. 33:45-46.
- Gabrielson, I. N. and S. G. Jewett. 1940. Birds of Oregon. Oregon State College, Corvallis, 650 pp. 21: 49.
- Godfrey, W. E. 1966. The birds of Canada. Natl. Mus. of Canada, Bull. No. 203 (Biol. Ser. No. 73):1-407. 47:77.
- Gruson, E. S. 1972. Words for birds: a lexicon of North American birds with biological notes. Quadrangle Books, New York, 305 pp. 54:13.
- Hachisuka, M. 1928. Variations among birds. Ornithol. Soc. of Japan, Suppl. Publ. No. XII:x-86-12. 11(2):21.
- Haley, D., ed. 1978. Marine mammals of eastern North Pacific and Arctic waters. Pacific Search Press, Seattle, 256 pp. 60:80-81.
- Hall, E. R. 1946. Mammals of Nevada. Contrib. Mus. Vert. Zool., Univ. of California Press, Berkeley and Los Angeles, 710 pp. 27:54.
- Hall, E. R. and K. R. Kelson. 1959. The mammals of North America. Ronald Press, New York, 2 vols. 40:23-24.
- Hamilton, W. J., Jr. 1939. American mammals. McGraw-Hill Book Co., New York, 434 pp. 21:12.
- Hancock, J. and J. Kushlan. 1984. The herons handbook. Harper and Row, New York, 288 pp. 66: 98-99.
- Hardy, G. 1947. Some mushrooms and other fungi of British Columbia. British Columbia Prov. Mus., Handb. No. 4:1-96. 29:30.
- Hartnack, H. 1943. Unbidden house guests. Hartnack Publ. Co., Tacoma, 226 pp. 25:15.
- Hatler, D. F., R. W. Campbell and A. Dorst. 1978. Birds of Pacific Rim National Park. British Columbia Prov. Mus., Occ. Papers No. 20:1-194. 62:61-62.
- Hausman, L. A. 1948. Bird hiking. Rutgers Univ. Press, New Brunswick, New Jersey, 107 pp. 29:43.
- Hicks, L. E. 1932. Ohio game and song birds in winter. Ohio Dept. of Agric., Div. of Conserv., Bur. of Sci. Res., Bull. No. 1(2):1-68. 13:58.
- Higman, H. W. and E. J. Larrison. 1949. The life of a mountain. Superior Publ. Co., Seattle, 288 pp. 30: 21.
- . 1951. Union Bay: the life of a city marsh. Univ. of Washington Press, Seattle, 315 pp. 32: 30.
- Hudson, G. E. and C. F. Yocom. 1949. Tentative checklist of the birds of southeastern Washington. Dept. of Zool., State College of Washington, Pullman, 35 pp. 30:62.
- Imaizumi, Y. 1970. The handbook of Japanese land mammals. Shin-Shicho-Sha Co., Tokyo, 350 pp. 53:40.
- Ingles, L. G. 1947. Mammals of California. Stanford Univ. Press, 258 pp. 28:22.
- James, W. B. and E. S. Booth. 1952. Rev. 1954. Biology and life history of the sagebrush vole. Dept. of Biol. Sci., Walla Walla College, College Place, Washington, 35:32.
- James-Veitch, E. and E. S. Booth. 1954. Behavior and life history of the Glaucous-winged Gull. Dept. of Biol. Sci., Walla Walla College, College Place, Washington, No. 12. 37:13.
- Jewett, S. G. and I. N. Gabrielson. 1929. Birds of the Portland area, Oregon. Cooper Ornithol. Club, Berkeley, California, Pacific Coast Avifauna No. 19. 11(1):25.
- Jewett, S. G., W. P. Taylor, W. T. Shaw and J. W. Aldrich. 1953. Birds of Washington State. Univ. of Washington Press, Seattle, 767 pp. 35:17.
- Johnston, D. W. 1961. The biosystematics of American crows. Univ. of Washington Press, Seattle, 119 pp. 42:28.
- Jollie, M. T., comp. 1950. Bird specimens in the University of Idaho collection and provisional list of the birds of the State. Dept. of Biol. Sci., State Univ. of Idaho, Moscow, 57 pp. 31:17.
- Kitchin, E. A. 1949. Birds of the Olympic Peninsula. Olympic Stationers, Port Angeles, Washington, 262 pp. 30:42.
- Kortright, F. H. 1943. The ducks, geese, and swans of North America. Am. Wildl. Institute, Washington, D. C., 476 pp. 24:13.
- Lack, D. 1950. Robin redbreast. Clarendon Press, Oxford, England (Oxford Univ. Press, New York), 224 pp. 31:49.
- Larrison, E. J. 1942. A field guide to the birds of the Seattle area. Seattle Audubon Society, 32 pp. 23: 85.
- . 1947. Field guide to the birds of King County. Seattle Audubon Society (Trailsider Ser. No. 1), 66 pp. 28:42.
- . 1952. Field guide to the birds of Puget Sound. Seattle Audubon Society, 112 pp. 33:45.
- . 1955. Owyhee: the life of a northern desert. Caxton Printers, Caldwell, Idaho, 357 pp. 38:25.
- . 1970. Washington mammals, their habits, identification and distribution. Seattle Audubon Society, 243 pp. 53:40.
- . 1976. Mammals of the Northwest: Washington, Oregon, Idaho, and British Columbia. Seattle Audubon Society, 256 pp. 58:24.
- Leach, B. 1982. Waterfowl on a Pacific estuary: a natural history of man and waterfowl on the lower

- Fraser River. British Columbia Prov. Mus., Spec. Publ. No. 5:1-211. 65:62-63.
- Lincoln, F. C. 1950. Migration of birds. U.S. Dept. of Interior, Fish and Wildl. Serv., Circ. 16:1-102. 32: 14.
- Linsdale, J. M. 1946. The California ground squirrel. Univ. of California Press, Berkeley and Los Angeles, 475 pp. 27:55.
- Manning, F. H. 1952. Birds of the west James Bay and southern Hudson Bay Coasts. Dept. of Resources and Devel., Natl. Mus. of Canada Bull. No. 125 (Biol. Ser.):1-114. 33:46.
- Manning, T. H. 1964. Geographic and sexual variation in the Long-tailed Jaeger, *Stercorarius longicaudus* Vieillot. Univ. of Alaska, Biol. Papers No. 7:1-16. 46:17.
- Maser, C. and R. M. Storm. 1970. A key to the Microtinae of the Pacific Northwest. Oregon State Univ. Bookstores, Corvallis, 142 pp. 53:7.
- Miller, A. H., ed. 1943. Joseph Grinnell's philosophy of nature. Univ. of California Press, Berkeley and Los Angeles, 273 pp. 24:13.
- Munro, J. A. 1947. Observations of birds and mammals in central British Columbia. British Columbia Prov. Mus., Occ. Papers No. 6:1-165. 28:30-31.
- . 1950. The birds and mammals of the Creston Region, British Columbia. British Columbia Prov. Mus., Occ. Papers No. 8. 31:49.
- Munro, J. A. and I. McT. Cowan. 1947. A review of the bird fauna of British Columbia. British Columbia Prov. Mus., Spec. Publ. No. 2:1-285. 29: 13.
- Oberholser, H. C. 1932. Descriptions of new birds from Oregon, chiefly from the Warner Valley region. Cleveland Mus. Nat. Hist, Sci. Publ. Vol. IV, No. 1. 13:97.
- Ogden, A. 1941. The California sea otter trade, 1784-1848. Univ. of California Press, Berkeley, 234 pp. 23:21.
- Patterson, R. L. 1952. The Sage Grouse in Wyoming. Sage Books, Denver, 341 pp. 33:45.
- Peterson, R. L. 1955. North American moose. Univ. of Toronto Press, 280 pp. 36:45.
- . 1966. The mammals of eastern Canada. Oxford Univ. Press, Toronto, 465 pp. 48:22.
- Peterson, R. T. 1941. A field guide to Western birds. Houghton Mifflin Co., Boston, 240 pp. 22:41.
- . 1947. A field guide to the birds. Second ed., rev. Houghton Mifflin Co., Boston, 290 pp. 28:22.
- . 1949. How to know the birds. The New American Library of World Literature, New York, 144 pp. 30:22.
- . 1951. Wildlife in color. Houghton Mifflin Co., Boston, 189 pp. 32:45.
- . 1961. Field guide to Western birds. Second ed. Houghton Mifflin Co., Boston, 366 pp. 41:53.
- . The birds. Life, Time, New York, 192 pp. 44: 35.
- Pettingill, O. S. 1953. A guide to bird finding west of the Mississippi. Oxford Univ. Press, New York, 709 pp. 35:16.
- Poole, A. J. and V. S. Schanz. 1942. Catalog of the type specimens of mammals in the United States National Museum, including Biological Surveys collection. U. S. Natl. Mus., Bull. No. 178:1-705. 23:86.
- Rand, A. L. 1946. List of Yukon birds and those of the Canol Road. Dept. of Mines and Resources, Natl. Mus. of Canada, Bull. No. 105 (Biol Ser. No. 33): 1-76. 28:42.
- . 1948. Mammals of the eastern Rockies and western Plains of Canada. Natl. Mus. of Canada, Bull. No. 108 (Biol. Ser. No. 35):1-237. 29:30.
- . 1948. Birds of southern Alberta. Natl. Mus. of Canada, Bull. No. 111 (Biol. Ser. No. 37). 29:43.
- Richdale, L. E. 1951. Sexual behavior in penguins. Univ. of Kansas Press, Lawrence, 316 pp. 32:30.
- Ridgway, R. and H. Friedmann. 1941. The birds of North and Middle America. U. S. Natl. Mus., Bull. No. 50, part IX:1-254. 22:65.
- Rothschild, M. and T. Clay. 1952. Fleas, flukes and cuckoos. New Naturalist Ser. I-XIV. Philosophical Library, New York, 304 pp. 33:15.
- Rush, W. M. 1942. Wildlife in Idaho. (Idaho Fish and Game Commission). Caxton Printers, Caldwell, Idaho, 299 pp. 23:87.
- Sadler, T. S. and M. T. Myres. 1976. Alberta birds 1961-1970 with particular attention to migration. Prov. Mus. of Alberta, Nat. Hist. Occ. Papers No. 1:1-314. 58:90-91.
- Savage, A. and C. Savage. 1981. Wild mammals of northwest America. Johns Hopkins Univ. Press, Baltimore and London, 209 pp. 64:32.
- Sawyer, E. J. 1940. Bird houses, baths and feeding shelters; how to make and where to place them. Bull. No. 1, third ed. Cranbrook Institute of Science, Bloomfield Hills, Michigan, 35 pp. 24:12.
- Scheffer, T. H. 1929. Mountain beavers in the Pacific Northwest: their habits, economic status and control. U. S. Dept. of Agric., Farmers Bull. No. 1598: 1-18. 11(1):24.
- Scheffer, V. B. 1969. The year of the whale. Charles Scribner's Sons, New York, 214 pp. 51:26-27.
- Schorger, A. W. 1955. The Passenger Pigeon, its natural history and extinction. Univ. of Wisconsin Press, Madison, 424 pp. 36:13.
- Shaw, W. T. 1929. The spring and summer activities of the dusky skunk in captivity. New York State Mus., Handb. No. 4:1-90. 11(1):20-21.
- Sherrod, S. K. 1983. Behaviour of fledgling Peregrines. The Peregrine Fund, Fort Collins, Colorado, 202 pp. 65:31.
- Simpson, G. G. and A. Roe. 1939. Quantitative zool-

- ogy. McGraw-Hill Book Co., New York, 414 pp. 21:13.
- Sloanaker, J. L., ed. Birds of Spokane (Washington) area. Rev. checklist, Spokane Bird Club, 4 pp. 22: 65-66.
- Stanford, J. K. 1949. The awl birds. Devin-Adair Co., New York, 90 pp. 31:16.
- Svihla, A. 1932. A comparative life history study of the mice of the genus *Peromyscus*. Univ. of Michigan Mus. of Zool., Misc. Publ. No. 24:1-39. 14: 46
- Taverner, P. A. 1934. Birds of Canada. Natl. Mus. of Canada, Bull. No. 72:1-445. 16:44.
- . 1939. Canadian land birds. David Mackay Co., Philadelphia, 277 pp. 21:13.
- . 1939. Canadian water birds, game birds, birds of prey. David Mackay Co., Philadelphia, 291 pp. 21:13.
- Taylor, W. P. and W. T. Shaw. 1929. Provisional list of land mammals of the State of Washington. State College of Washington, Pullman, Charles R. Conner Museum, Occ. Papers No. 2:1-32. 11(1): 23-24.
- U. S. Department of Interior. Bureau of Sports Fisheries and Wildlife. 1966. Birds in our lives. 576 pp. 48:21-22.
- The University Society. 1941-42. Animals of the world. Garden City Publ. Co., Garden City, New York, Part 1:1-335; Part 2:1-354. 23:86.
- Van Tyne, J. and A. J. Berger. 1959. Fundamentals of ornithology. John Wiley and Sons, New York, 625 pp. 40:36.
- Walker, E. P. 1964. Mammals of the world. Johns Hopkins Press, Baltimore, 3 vols. 46:29-30.
- . 1965. Studying our fellow mammals. Animal Welfare Institute, New York, 174 pp. 47:76-77.
- Warham, J. 1956. The technique of photographing birds. Focal Press, London; Amphoto, New York, 199 pp. 37:27.
- Weber, J. W. and E. J. Larrison. 1977. Birds of southeastern Washington. Univ. of Idaho Press, Moscow, 66 pp. 59:38-39.
- Wheeler, R. 1941. We follow the western trail. MacMillan Co., New York, 160 pp. 23:21.
- Wilson, J. W. 1932. Weather and wings. Thomas Nelson and Sons, Toronto, 172 pp. 15:27.
- Wood, C. A. 1931. An introduction to the literature of vertebrate zoology. Oxford Univ. Press, London, 643 pp. 13:27-28.
- Yocom, C. F. 1951. Waterfowl and their food in Washington. Univ. of Washington Press, Seattle, 272 pp. 34:33.
- Yocom, C. F. and R. Dasmann. 1957. The Pacific Coast wildlife region, its common wild animals and plants. Naturegraph Co., San Martin, California, 110 pp. 38:39.
- Yocom, C. F. and S. W. Harris. 1975. Birds of northwestern California. Humboldt State Univ. Bookstore, Arcata, California, 68 pp. 56(3):16.
- Zim, H. S. 1942. Mice, men and elephants. Harcourt, Brace and Co., New York, 215 pp. 23:86.
- Zim, H. S. and I. N. Gabrielson. 1949. Birds—a guide to the most familiar American birds. (Golden Nature Guide). Simon and Schuster, New York, 155 pp. 30:42.

BIOGRAPHICAL SKETCHES AND MEMORIA INDEX

- Allen, Dr. Glover M., 23:26
Bailey, Vernon, 23:63
Balmer, Adam, 24:47
Baskett, Cecil M., 17:23
Benefiel, Dr. A.H., 3(2):2
Bishop, Louis B., 31:35
Bowles, John Hooper, 8:20; 15:27; 15:35-43
Braly, John Claude, 26:15
Brooks, Major Allan, 27:14
Brown, David E., 19:20-22
Bruce, Walter, 12:60
Burleigh, Thomas D., 8:20-21
Cantwell, George G., 29:43
Carl, Dr. G. Clifford, 51:28
Comstock, Rufus, 19:22
Couch, Leo King, 57:20
Cumming, R. "Bob" A., 18:33
Dawson, William Leon, 10:1-7; 10:27-33
Dickey, Donald R., 13:57-58
Edson, John Milton, 35:43-44
Einarsen, Arthur S., 47:5
Ellis, J. V., Jr., 12:28
Evermann, Dr. Barton Warren, 13:97
Eyerdam, Walter Jakob, 56(2):1(inside cover)
Finley, William Lovell, 34:34
Flahaut, Martha R., 37:13
Frederick, D. E., 19:22-23
Green, Charles de Blois, 10:67-69
Griggs, Herbert S., 14:81
Grinnell, Joseph, 20:46-47
Guberlet, Dr. John Earl, 22:2-4
Hall, Frank Stevens, 21:24-28; 21:51
Hinshaw, Maurice Layton, 28:43
Hoffman, Ralph, 13:96-97
Horsfall, Robert Bruce, 29:12
Hudson, George E., 58:52-53
Hurley, John B., 55:31
Jewett, Stanley G., 36:32-34
Jones, Gardiner F., 37:1
Jordan, A. H. B., 23:64
Kelso, Dr. John Edward Harry, 14:19
Kennard, Fred H., 19:22-23
Kincaid, Trevor, 8:21
Kitchin, Edward Alexander, 50:1-3
LaFave, Lynn D., 48:8
Lear, Louis K., 31:35
Leffingwell, Dr. Dana Jackson, 11(2):20
Lumley, Ellsworth D., 31:17; 32:25-27
Macy, Preston P., 60:114-115
Maguire, Walter S., 32:15
McGrath, John H., 26:15
Merriam, Dr. C. Hart, 23:26
Munro, James Alexander, 40:17-18
Nelson, Dr. Edward William, 15:55-56
Raker, William S., 19:22
Ransom, Webster, 41:40
Rathbun, Samuel Frederick, 27:35; 27:41-46
Renick, Frank Hamilton, 2(3):2
Richmond, Charles Wallace, 13:58
Riddick, George M., 26:15
Sawyer, Edmund, 52:15
Scheffer, Theo H., 48:1
Schnell, Harry William, 33:46
Shaw, William Thomas, 29:12-13
Sherwood, William E., 11:79
Shrosbree, George, 12:86-87
Sinsel, Jay A., 8:50
Sloanaker, Joseph Lyday, 24:31
Stacey, Dr. J. W., 24:46
Stewart, Ronald M., 39:23-24
Stone, Dr. Witmer, 20:47
Swarth, Harry S., 17:23
Taylor, Walter Penn, 53:41
Terry, Dr. James Dean, 32:46
Thayer, John Eliot, 14:81
Turnbull, J. D., 20:72
Walker, Alexander, 56(3):24-25
Warburton, Stanton, Jr., 51:28
Webster, E.B., 17:23
Willett, George., 26:47
Winslow, Arthur Melvin, 43:39
Wood, Dr. Casey A., 23:26

SCIENTIFIC NAMES WITH COMMON NAME EQUIVALENTS

<i>Accipiter cooperii</i>	—Cooper's Hawk	<i>Balaenoptera acutorostrata</i>	—Minke Whale
<i>A. gentilis</i>	—Northern Goshawk	<i>Bartramia longicauda</i>	—Upland Sandpiper
<i>A. striatus</i>	—Sharp-shinned Hawk	<i>Bison bison</i>	—Bison
<i>Acridotheres cristatellus</i>	—Crested Myna	<i>Bombycilla cedrorum</i>	—Cedar Waxwing
<i>Actitis macularia</i>	—Spotted Sandpiper	<i>B. garrulus</i>	—Bohemian Waxwing
<i>Aechmophorus occidentalis</i>	—Western Grebe	<i>Bonasa umbellus</i>	—Ruffed Grouse
<i>Aegolius acadicus</i>	—Northern Saw-whet Owl	<i>Botaurus lentiginosus</i>	—American Bittern
<i>A. funereus</i>	—Boreal Owl	<i>Brachylagus idahoensis</i>	—Pygmy Rabbit
<i>Aeronautes saxatalis</i>	—White-throated Swift	<i>Brachyramphus brevirostris</i>	—Kittlitz's Murrelet
<i>Aethia cristatella</i>	—Crested Auklet	<i>B. marmoratus</i>	—Marbled Murrelet
<i>A. pusilla</i>	—Least Auklet	<i>Branta bernicla</i>	—Brant
<i>Agelaius phoeniceus</i>	—Red-winged Blackbird	<i>B. canadensis</i>	—Canada Goose
<i>Aix sponsa</i>	—Wood Duck	<i>Bubo virginianus</i>	—Great Horned Owl
<i>Alauda arvensis</i>	—Eurasian Skylark	<i>Bubulcus ibis</i>	—Cattle Egret
<i>Alces alces</i>	—Moose	<i>Bucephala albeola</i>	—Bufflehead
<i>Alectoris chukar</i>	—Chukar	<i>B. clangula</i>	—Common Goldeneye
<i>Alopex lagopus</i>	—Arctic Fox	<i>B. islandica</i>	—Barrow's Goldeneye
<i>Ammodramus caudacutus</i>	—LeConte's Sparrow	<i>Buteo jamaicensis</i>	—Red-tailed Hawk
<i>A. savannarum</i>	—Grasshopper Sparrow	<i>B. lagopus</i>	—Rough-legged Hawk
<i>Ammospermophilus leucurus</i>	—White-tailed Antelope Squirrel	<i>B. lineatus</i>	—Red-shouldered Hawk
<i>Amphispiza belli</i>	—Sage Sparrow	<i>B. platypterus</i>	—Broad-winged Hawk
<i>A. bilineata</i>	—Black-throated Sparrow	<i>B. regalis</i>	—Ferruginous Hawk
<i>Anas acuta</i>	—Northern Pintail	<i>B. swainsoni</i>	—Swainson's Hawk
<i>A. americana</i>	—American Wigeon	<i>Butorides striatus</i>	—Green-backed Heron
<i>A. clypeata</i>	—Northern Shoveler	<i>Calamospiza melanocorys</i>	—Lark Bunting
<i>A. crecca</i>	—Green-winged Teal	<i>Calcarius lapponicus</i>	—Lapland Longspur
<i>A. cyanoptera</i>	—Cinnamon Teal	<i>C. ornatus</i>	—Chestnut-collared Longspur
<i>A. discors</i>	—Blue-winged Teal	<i>Calidris acuminata</i>	—Sharp-tailed Sandpiper
<i>A. falcata</i>	—Falcated Duck	<i>C. alba</i>	—Sanderling
<i>A. penelope</i>	—Eurasian Wigeon	<i>C. alpina</i>	—Dunlin
<i>A. platyrhynchos</i>	—Mallard	<i>C. bairdii</i>	—Baird's Sandpiper
<i>A. rubripes</i>	—American Black Duck	<i>C. canutus</i>	—Red Knot
<i>A. strepera</i>	—Gadwall	<i>C. ferruginea</i>	—Curlew Sandpiper
<i>Anser albifrons</i>	—Greater White-fronted Goose	<i>C. himantopus</i>	—Stilt Sandpiper
<i>Anthus spinolella</i>	—Water Pipit	<i>C. mauri</i>	—Western Sandpiper
<i>Antrozous pallidus</i>	—Pallid Bat	<i>C. minutilla</i>	—Least Sandpiper
<i>Aphelocoma coerulescens</i>	—Scrub Jay	<i>C. pusilla</i>	—Semipalmated Sandpiper
<i>Aplodontia rufa</i>	—Mountain Beaver	<i>Callipepla californica</i>	—California Quail
<i>Aquila chrysaetos</i>	—Golden Eagle	<i>Callorhinus ursinus</i>	—Northern Fur Seal
<i>Arborimus albipes</i>	—White-footed Vole	<i>Calypte anna</i>	—Anna's Hummingbird
<i>A. longicaudus</i>	—Red Tree Vole	<i>Canis latrans</i>	—Coyote
<i>Archilochus alexandri</i>	—Black-chinned Hummingbird	<i>C. lupus</i>	—Gray Wolf
<i>Ardea herodias</i>	—Great Blue Heron	<i>Capra hircus</i>	—Domestic Goat
<i>Arenaria interpres</i>	—Ruddy Turnstone	<i>Carduelis pinus</i>	—Pine Siskin
<i>A. melanocephala</i>	—Black Turnstone	<i>C. psaltria</i>	—Lesser Goldfinch
<i>Asio flammeus</i>	—Short-eared Owl	<i>C. tristis</i>	—American Goldfinch
<i>A. otus</i>	—Long-eared Owl	<i>Carpodacus cassini</i>	—Cassin's Finch
<i>Athene cunicularia</i>	—Burrowing Owl	<i>C. mexicanus</i>	—House Finch
<i>Aythya americana</i>	—Redhead	<i>C. purpureus</i>	—Purple Finch
<i>A. collaris</i>	—Ring-necked Duck	<i>Casmerodium albus</i>	—Great Egret
<i>A. fuligula</i>	—Tufted Duck	<i>Castor canadensis</i>	—Beaver
<i>A. marila</i>	—Greater Scaup	<i>Catharacta maccormicki</i>	—South Polar Skua

- C. skua*—Great Skua
Cathartes aura—Turkey Vulture
Catharus fuscescens—Veery
C. guttatus—Hermit Thrush
C. ustulatus—Swainson's Thrush
Catherpes mexicanus—Canyon Wren
Catoptrophorus semipalmatus—Willet
Centrocercus urophasianus—Sage Grouse
Cephus columba—Pigeon Guillemot
Cerorhinca monocerata—Rhinoceros Auklet
Certhia americana—Brown Creeper
Cervus dama—Fallow Deer
C. elaphus—Elk
Ceryle alcyon—Belted Kingfisher
Chaetura vauxi—Vaux's Swift
Chamaea fasciata—Wrentit
Charadrius alexandrinus—Snowy Plover
C. morinellus—Eurasian Dotterel
C. semipalmatus—Semipalmated Plover
C. vociferus—Killdeer
Chen caerulescens—Snow Goose
C. canagica—Emperor Goose
C. rossii—Ross' Goose
Chinchilla sp.—Chinchilla
Chlidonias niger—Black Tern
Chordeiles minor—Common Nighthawk
Cinclus mexicanus—American Dipper
Circus cyaneus—Northern Harrier
Cistothorus palustris—Marsh Wren
Clangula hyemalis—Oldsquaw
Clethrionomys gapperi—Southern Red-backed Vole
C. rutilus—Northern Red-backed Vole
Coccothraustes vespertinus—Evening Grosbeak
Coccycus americanus—Yellow-billed Cuckoo
C. erythrophthalmus—Black-billed Cuckoo
Colaptes auratus—Northern Flicker
Colinus virginianus—Northern Bobwhite
Columba fasciata—Band-tailed Pigeon
C. livia—Rock Dove
Contopus borealis—Olive-sided Flycatcher
Corvus brachyrhynchos—American Crow
C. caurinus—Northwestern Crow
C. corax—Common Raven
Coturnicops noveboracensis—Yellow Rail
Cyanocitta cristata—Blue Jay
C. stelleri—Steller's Jay
Cyclorrhynchus psittacula—Parakeet Auklet
Cygnus buccinator—Trumpeter Swan
C. columbianus—Tundra Swan
Cypseloides niger—Black Swift

Dendragapus canadensis—Spruce Grouse
D. obscurus—Blue Grouse
Dendroica coronata—Yellow-rumped Warbler
D. nigrescens—Black-throated Gray Warbler
D. occidentalis—Hermit Warbler
D. palmarum—Palm Warbler

D. pensylvanica—Chestnut-sided Warbler
D. petechia—Yellow Warbler
D. striata—Blackpoll Warbler
D. townsendi—Townsend's Warbler
Didelphis virginiana—Virginia Opossum
Diomedea albatrus—Short-tailed Albatross
D. immutabilis—Laysan Albatross
D. nigripes—Black-footed Albatross
Dipodomys ordii—Ord's Kangaroo Rat
Dolichonyx oryzivorus—Bobolink
Dryocopus pileatus—Pileated Woodpecker
Dumetella carolinensis—Gray Catbird

Ectopistes migratorius—Passenger Pigeon
Egretta intermedia—Intermediate Egret
E. thula—Snowy Egret
Elanus caeruleus—Black-shouldered Kite
Emberiza rustica—Rustic Bunting
Empidonax difficilis—Western Flycatcher
E. hammondi—Hammond's Flycatcher
E. minimus—Least Flycatcher
E. wrightii—Gray Flycatcher
Enhydra lutris—Sea Otter
Eptesicus fuscus—Big Brown Bat
Eremophila alpestris—Horned Lark
Erethizon dorsatum—Porcupine
Eschrichtius robustus—Gray Whale
Euderma maculatum—Spotted Bat
Eumetopias jubatus—Northern Sea Lion
Euphagus carolinus—Rusty Blackbird
E. cyanocephalus—Brewer's Blackbird

Falco columbarius—Merlin
F. mexicanus—Prairie Falcon
F. peregrinus—Peregrine Falcon
F. rusticolus—Gyrfalcon
F. sparverius—American Kestrel
Felis concolor—Cougar
F. lynx—Lynx
F. rufus—Bobcat
Fratercula cirrhata—Tufted Puffin
F. corniculata—Horned Puffin
Fregata magnificens—Magnificent Frigatebird
Fulica americana—American Coot
Fulmarus glacialis—Northern Fulmar

Gallinago gallinago—Common Snipe
Gavia adamsii—Yellow-billed Loon
G. arctica—Arctic Loon
G. immer—Common Loon
G. stellata—Red-throated Loon
Glauucidium gnoma—Northern Pygmy-Owl
Glaucomys sabrinus—Northern Flying Squirrel
Grampus griseus—Gray Grampus
Grus canadensis—Sandhill Crane
Guiraca caerulea—Blue Grosbeak
Gulo gulo—Wolverine

<i>Gymnogyps californianus</i> —California Condor	<i>Marmota caligata</i> —Hoary Marmot
<i>Haematopus bachmani</i> —American Black Oystercatcher	<i>M. flaviventris</i> —Yellow-bellied Marmot
<i>Haliaeetus leucocephalus</i> —Bald Eagle	<i>M. monax</i> —Woodchuck
<i>Heteroscelus incanus</i> —Wandering Tattler	<i>Martes americana</i> - Marten
<i>Himantopus mexicanus</i> —Black-necked Stilt	<i>M. pennanti</i> —Fisher
<i>Hirundo pyrrhonota</i> —Cliff Swallow	<i>Megaptera novaeangliae</i> —Humpback Whale
<i>H. rustica</i> —Barn Swallow	<i>Melanerpes erythrocephalus</i> —Red-headed Woodpecker
<i>Histrionicus histrionicus</i> —Harlequin Duck	<i>M. formicivorus</i> —Acorn Woodpecker
<i>Hylocichla mustelina</i> —Wood Thrush	<i>M. lewisi</i> —Lewis' Woodpecker
<i>Icterus galbula</i> —Northern Oriole	<i>Melanitta fusca</i> —White-winged Scoter
<i>Ixobrychus exilis</i> —Least Bittern	<i>M. nigra</i> —Black Scoter
<i>Ixoreus naevius</i> —Varied Thrush	<i>M. perspicillata</i> —Surf Scoter
<i>Junco hyemalis</i> —Dark-eyed Junco	<i>Meleagris gallopavo</i> —Wild Turkey
<i>Lagenorhynchus obliquidens</i> —Pacific White-sided Dolphin	<i>Melospiza georgiana</i> —Swamp Sparrow
<i>Lagopus lagopus</i> —Willow Ptarmigan	<i>M. lincolni</i> —Lincoln's Sparrow
<i>L. leucurus</i> —White-tailed Ptarmigan	<i>M. melodia</i> —Song Sparrow
<i>L. mutus</i> —Rock Ptarmigan	<i>Mephitis mephitis</i> —Striped Skunk
<i>Lanius excubitor</i> —Northern Shrike	<i>Mergus merganser</i> —Common Merganser
<i>L. ludovicianus</i> —Loggerhead Shrike	<i>M. serrator</i> —Red-breasted Merganser
<i>Larus argentatus</i> —Herring Gull	<i>Microdipodops megacephalus</i> —Dark Kangaroo Mouse
<i>L. californicus</i> —California Gull	<i>Microtus californicus</i> —California Vole
<i>L. canus</i> —Mew Gull	<i>M. longicaudus</i> —Long-tailed Vole
<i>L. delawarensis</i> —Ring-billed Gull	<i>M. montanus</i> —Montane Vole
<i>L. glaucescens</i> —Glaucous-winged Gull	<i>M. oeconomus</i> —Tundra Vole
<i>L. glaucopterus</i> —Iceland Gull	<i>M. oregoni</i> —Creeping Vole
<i>L. hyperboreus</i> —Glaucous Gull	<i>M. pennsylvanicus</i> —Meadow Vole
<i>L. occidentalis</i> —Western Gull	<i>M. richardsoni</i> —Water Vole
<i>L. philadelphicus</i> —Bonaparte's Gull	<i>M. townsendii</i> —Townsend's Vole
<i>L. pipixcan</i> —Franklin's Gull	<i>Mimus polyglottos</i> —Northern Mockingbird
<i>L. thayeri</i> —Thayer's Gull	<i>Mirounga angustirostris</i> —Northern Elephant Seal
<i>Lasionycteris noctivagans</i> —Silver-haired Bat	<i>Mniotilla varia</i> —Black-and-white Warbler
<i>Lasiurus cinereus</i> —Hoary Bat	<i>Molothrus ater</i> —Brown-headed Cowbird
<i>Lemmiscus curtatus</i> —Sagebrush Vole	<i>Mus musculus</i> —House Mouse
<i>Lemmus sibiricus</i> —Brown Lemming	<i>Mustela erminea</i> —Ermine
<i>Lepus americanus</i> —Snowshoe Hare	<i>M. frenata</i> —Long-tailed Weasel
<i>L. californicus</i> —Black-tailed Jackrabbit	<i>M. nivalis</i> —Least Weasel
<i>L. othus</i> —Alaska Hare	<i>M. vison</i> —Mink
<i>L. townsendii</i> —White-tailed Jackrabbit	<i>Myadestes townsendi</i> —Townsend's Solitaire
<i>Leucosticte arctoa</i> —Rosy Finch	<i>Myiarchus cinerascens</i> —Ash-throated Flycatcher
<i>Limnodromus griseus</i> —Short-billed Dowitcher	<i>Myocastor coypus</i> —Nutria
<i>L. scolopaceus</i> —Long-billed Dowitcher	<i>Myotis evotis</i> —Long-eared Myotis
<i>Limnothlypis swainsonii</i> —Swainson's Warbler	<i>M. lucifugus</i> —Little Brown Myotis
<i>Limosa fedoa</i> —Marbled Godwit	<i>M. thysanodes</i> —Fringed Myotis
<i>L. haemastica</i> —Hudsonian Godwit	<i>Neotoma cinerea</i> —Bushy-tailed Woodrat
<i>L. lapponica</i> —Bar-tailed Godwit	<i>N. fuscipes</i> —Dusky-footed Woodrat
<i>Lissodelphis borealis</i> —Northern Right-whale Dolphin	<i>Neurotrichus gibbsii</i> —Shrew-Mole
<i>Lophodytes cucullatus</i> —Hooded Merganser	<i>Nucifraga columbiana</i> —Clark's Nutcracker
<i>Loxia curvirostra</i> —Red Crossbill	<i>Numenius americanus</i> —Long-billed Curlew
<i>L. leucoptera</i> —White-winged Crossbill	<i>N. phaeopus</i> —Whimbrel
<i>Luscinia svecica</i> —Bluethroat	<i>N. tahitiensis</i> —Bristle-thighed Curlew
<i>Lutra canadensis</i> —River Otter	<i>Nyctea scandiaca</i> —Snowy Owl
	<i>Nycticorax nycticorax</i> —Black-crowned Night-Heron
	<i>Oceanodroma furcata</i> —Fork-tailed Storm-Petrel
	<i>O. leucorhoa</i> —Leach's Storm-Petrel
	<i>Ochotona collaris</i> —Collared Pika

<i>O. princeps</i> —Pika	<i>P. tridactylus</i> —Three-toed Woodpecker
<i>Odobenus rosmarus</i> —Walrus	<i>Pinicola enucleator</i> —Pine Grosbeak
<i>Odocoileus hemionus</i> —Mule Deer	<i>Pipilo erythrrophthalmus</i> —Rufous-sided Towhee
<i>O. virginianus</i> —White-tailed Deer	<i>P. fuscus</i> —Brown Towhee
<i>Oenanthe oenanthe</i> —Northern Wheatear	<i>Piranga ludoviciana</i> —Western Tanager
<i>Ondatra zibethicus</i> —Muskrat	<i>Plecotus rafinesquii</i> —Rafinesque's Big-eared Bat
<i>Onychomys leucogaster</i> —Northern Grasshopper Mouse	<i>P. townsendii</i> —Townsend's Big-eared Bat
<i>Oporornis philadelphica</i> —Mourning Warbler	<i>Plectrophenax nivalis</i> —Snow Bunting
<i>O. tolmiei</i> —MacGillivray's Warbler	<i>Plegadis chihi</i> —White-faced Ibis
<i>Orcinus orca</i> —Killer Whale	<i>Pluvialis dominica</i> —Lesser Golden-Plover
<i>Oreamnos americanus</i> —Mountain Goat	<i>P. squatarola</i> —Black-bellied Plover
<i>Oreortyx pictus</i> —Mountain Quail	<i>Podiceps auritus</i> —Horned Grebe
<i>Oreoscoptes montanus</i> —Sage Thrasher	<i>P. grisegena</i> —Red-necked Grebe
<i>Oryctolagus cuniculus</i> —European Rabbit	<i>P. nigricollis</i> —Eared Grebe
<i>Otus flammeolus</i> —Flammulated Owl	<i>Podilymbus podiceps</i> —Pied-billed Grebe
<i>O. kennicottii</i> —Western Screech-Owl	<i>Polyborus plancus</i> —Crested Caracara
<i>Ovis aries</i> —Domestic Sheep	<i>Pooecetes gramineus</i> —Vesper Sparrow
<i>O. canadensis</i> —Mountain Sheep	<i>Procyon lotor</i> —Raccoon
<i>Oxyura jamaicensis</i> —Ruddy Duck	<i>Progne subis</i> —Purple Martin
 	<i>Psaltriparus minimus</i> —Bushtit
<i>Pandion haliaetus</i> —Osprey	<i>Ptychoramphus aleuticus</i> —Cassin's Auklet
<i>Parula americana</i> —Northern Parula	<i>Puffinus bulleri</i> —New Zealand Shearwater
<i>Parus atricapillus</i> —Black-capped Chickadee	<i>P. carneipes</i> —Flesh-footed Shearwater
<i>P. gambeli</i> —Mountain Chickadee	<i>P. griseus</i> —Sooty Shearwater
<i>P. hudsonicus</i> —Boreal Chickadee	<i>P. tenuirostris</i> —Short-tailed Shearwater
<i>P. rufescens</i> —Chestnut-backed Chickadee	
<i>Passer domesticus</i> —House Sparrow	<i>Quiscalus quiscula</i> —Common Grackle
<i>Passerculus sandwichensis</i> —Savannah Sparrow	<i>Rallus limicola</i> —Virginia Rail
<i>Passerella iliaca</i> —Fox Sparrow	<i>Rangifer tarandus</i> —Caribou
<i>Passerina amoena</i> —Lazuli Bunting	<i>Rattus norvegicus</i> —Norway Rat
<i>P. cyanea</i> —Indigo Bunting	<i>R. rattus</i> —Black Rat
<i>Pelecanus erythrorhynchos</i> —American White Pelican	<i>Recurvirostra americana</i> —American Avocet
<i>P. occidentalis</i> —Brown Pelican	<i>Regulus calendula</i> —Ruby-crowned Kinglet
<i>Perdix perdix</i> —Gray Partridge	<i>R. satrapa</i> —Golden-crowned Kinglet
<i>Perisoreus canadensis</i> —Gray Jay	<i>Reithrodontomys megalotis</i> —Western Harvest Mouse
<i>Perognathus longimembris</i> —Little Pocket Mouse	<i>Rhodostethia rosea</i> —Ross' Gull
<i>P. parvus</i> —Great Basin Pocket Mouse	<i>Rissa brevirostris</i> —Red-legged Kittiwake
<i>Peromyscus maniculatus</i> —Deer Mouse	<i>R. tridactyla</i> —Black-legged Kittiwake
<i>P. oreas</i> —Forest Deer Mouse	
<i>Phaethon aethereus</i> —Red-billed Tropicbird	<i>Salpinctes obsoletus</i> —Rock Wren
<i>Phalacrocorax auritus</i> —Double-crested Cormorant	<i>Sayornis saya</i> —Say's Phoebe
<i>P. pelagicus</i> —Pelagic Cormorant	<i>Scapanus orarius</i> —Coast Mole
<i>P. penicillatus</i> —Brandt's Cormorant	<i>S. townsendii</i> —Townsend's Mole
<i>Phalaenoptilus nuttallii</i> —Common Poorwill	<i>Sciurus carolinensis</i> —Eastern Gray Squirrel
<i>Phalaropus fulicaria</i> —Red Phalarope	<i>S. griseus</i> —Western Gray Squirrel
<i>P. lobatus</i> —Red-necked Phalarope	<i>S. niger</i> —Eastern Fox Squirrel
<i>P. tricolor</i> —Wilson's Phalarope	<i>Seiurus aurocapillus</i> —Ovenbird
<i>Phasianus colchicus</i> —Ring-necked Pheasant	<i>S. noveboracensis</i> —Northern Waterthrush
<i>Phenacomys intermedius</i> —Heather Vole	<i>Selasphorus platycercus</i> —Broad-tailed Hummingbird
<i>Phoca vitulina</i> —Harbor Seal	<i>S. rufus</i> —Rufous Hummingbird
<i>Phocoena phocoena</i> —Harbor Porpoise	<i>Serinus canaria</i> —Common Canary
<i>Phocoenoides dalli</i> —Dall's Porpoise	<i>Setophaga ruticilla</i> —American Redstart
<i>Phoenicopterus ruber</i> —Greater Flamingo	<i>Sialia currucoides</i> —Mountain Bluebird
<i>Pica pica</i> —Black-billed Magpie	<i>Somateria fischeri</i> —Spectacled Eider
<i>Picoides albolarvatus</i> —White-headed Woodpecker	<i>S. mollissima</i> —Common Eider
<i>P. arcticus</i> —Black-backed Woodpecker	<i>S. spectabilis</i> —King Eider
<i>P. pubescens</i> —Downy Woodpecker	<i>Sorex bendirii</i> —Marsh Shrew

<i>S. hoyi</i> —Pygmy Shrew	<i>Tamias amoenus</i> —Yellow Pine Chipmunk
<i>S. merriami</i> —Merriam's Shrew	<i>T. dorsalis</i> —Cliff Chipmunk
<i>S. palustris</i> —Water Shrew	<i>T. minimus</i> —Least Chipmunk
<i>S. preblei</i> —Preble's Shrew	<i>T. ruficaudus</i> —Red-tailed Chipmunk
<i>S. trowbridgii</i> —Trowbridge's Shrew	<i>T. townsendii</i> —Townsend's Chipmunk
<i>S. vagrans</i> —Vagrant Shrew	<i>Tamiasciurus douglasii</i> —Douglas' Squirrel
<i>Spermophilus beecheyi</i> —California Ground Squirrel	<i>T. hudsonicus</i> —Red Squirrel
<i>S. beldingi</i> —Belding's Ground Squirrel	<i>Taxidea taxus</i> —Badger
<i>S. columbianus</i> —Columbian Ground Squirrel	<i>Thomomys bulbivorus</i> —Camas Pocket Gopher
<i>S. lateralis</i> —Golden-mantled Ground Squirrel	<i>T. mazama</i> —Western Pocket Gopher
<i>S. saturatus</i> —Cascade Golden-mantled Ground Squirrel	<i>T. monticola</i> —Mountain Pocket Gopher
	<i>T. talpoides</i> —Northern Pocket Gopher
<i>S. townsendii</i> —Townsend's Ground Squirrel	<i>Thryomanes bewickii</i> —Bewick's Wren
<i>S. variegatus</i> —Rock Squirrel	<i>Toxostoma rufum</i> —Brown Thrasher
<i>S. washingtoni</i> —Washington Ground Squirrel	<i>Tringa flavipes</i> —Lesser Yellowlegs
<i>Sphyrapicus ruber</i> —Red-breasted Sapsucker	<i>T. melanoleuca</i> —Greater Yellowlegs
<i>S. thyroideus</i> —Williamson's Sapsucker	<i>Troglodytes aedon</i> —House Wren
<i>S. varius</i> —Yellow-bellied Sapsucker	<i>T. troglodytes</i> —Winter Wren
<i>Spizella arborea</i> —American Tree Sparrow	<i>Tryngites subruficollis</i> —Buff-breasted Sandpiper
<i>S. breweri</i> —Brewer's Sparrow	<i>Turdus migratorius</i> —American Robin
<i>S. pallida</i> —Clay-colored Sparrow	<i>Tympanuchus phasianellus</i> —Sharp-tailed Grouse
<i>S. passerina</i> —Chipping Sparrow	<i>Tyrannus forficatus</i> —Scissor-tailed Flycatcher
<i>S. pusilla</i> —Field Sparrow	<i>T. melancholicus</i> —Tropical Kingbird
<i>Stelgidopteryx serripennis</i> —Northern Rough-winged Swallow	<i>T. tyrannus</i> —Eastern Kingbird
<i>Stellula calliope</i> —Calliope Hummingbird	<i>T. verticalis</i> —Western Kingbird
<i>Stenella coeruleoalba</i> —Striped Dolphin	<i>Tyto alba</i> —Common Barn-Owl
<i>Stercorarius longicaudus</i> —Long-tailed Jaeger	
<i>S. parasiticus</i> —Parasitic Jaeger	<i>Uria aalge</i> —Common Murre
<i>S. pomarinus</i> —Pomarine Jaeger	<i>U. lomvia</i> —Thick-billed Murre
<i>Sterna antillarum</i> —Least Tern	<i>Ursus americanus</i> —Black Bear
<i>S. caspia</i> —Caspian Tern	<i>U. arctos</i> —Brown Bear
<i>S. elegans</i> —Elegant Tern	
<i>S. hirundo</i> —Common Tern	<i>Vermivora celata</i> —Orange-crowned Warbler
<i>S. paradisaea</i> —Arctic Tern	<i>V. virginiae</i> —Virginia's Warbler
<i>Strix nebulosa</i> —Great Gray Owl	<i>Vireo huttoni</i> —Hutton's Vireo
<i>S. occidentalis</i> —Spotted Owl	<i>V. olivaceus</i> —Red-eyed Vireo
<i>S. varia</i> —Barred Owl	<i>Vulpes macrotis</i> —Kit Fox
<i>Sturnella neglecta</i> —Western Meadowlark	<i>V. vulpes</i> —Red Fox
<i>Sturnus vulgaris</i> —European Starling	
<i>Sula nebouxii</i> —Blue-footed Booby	<i>Xanthocephalus xanthocephalus</i> —Yellow-headed Black-bird
<i>S. sula</i> —Red-footed Booby	<i>Xema sabini</i> —Sabine's Gull
<i>Sus scrofa</i> —Wild Pig	
<i>Sylvilagus bachmani</i> —Brush Rabbit	<i>Zalophus californianus</i> —California Sea Lion
<i>S. floridanus</i> —Eastern Cottontail	<i>Zapus princeps</i> —Western Jumping Mouse
<i>S. nuttallii</i> —Nuttall's Cottontail	<i>Z. trinotatus</i> —Pacific Jumping Mouse
<i>Synaptomys borealis</i> —Northern Bog Lemming	<i>Zenaida macroura</i> —Mourning Dove
<i>Synthliboramphus antiquus</i> —Ancient Murrelet	<i>Ziphium cavirostris</i> —Goose-beaked Whale
<i>S. hypoleucus</i> —Xantus' Murrelet	<i>Zonotrichia albicollis</i> —White-throated Sparrow
<i>Tachycineta bicolor</i> —Tree Swallow	<i>Z. leucophrys</i> —White-crowned Sparrow
<i>T. thalassina</i> —Violet-green Swallow	<i>Z. querula</i> —Harris' Sparrow