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Lice (Mallophaga and Anoplura) from Mammals of Oregon¹

Abstract

An annotated checklist is provided for 19 species of chewing lice (Mallophaga) and 35 species of sucking lice (Anoplura) from wild and domestic mammals of Oregon. The mallophagans are: *Eutrichophilus setosus*, *Geomydoecus oregonus*, *G. idahoensis*, *G. shastensis*, *G. thomomys*, *Neotrichodectes interruptofasciatus*, *N. minutus*, *N. osborni*, *Pitufusquenia coypus*, *Stachiella erminea*, *S. larseni*, *Trichodectes canis*, *Tricholopeurus lipeuroides*, and *T. parallelus*. The anoplurans are: *Enderleinellus osborni*, *E. tamiasciuri*, *Fahrenholzia pinnata*, *Haemodipsus setoni*, *H. lyriocephalus*, *Hoplopleura acanthopus*, *H. arboricola*, *H. hesperomydis*, *H. onchomydis*, *H. sciuricola*, *H. trispinosa*, *Latagophthirus rauschi*, *Linognathus setosus*, *Microphthirus uncinatus*, *Neohaematopinus citellinus*, *N. inornatus*, *N. laeviusculus*, *N. marmotae*, *N. neotromae*, *N. pacificus*, *N. sciuropteri*, *N. semifasciatus*, *Polyplax alaskensis*, *P. auricularis*, *P. spinulosa*, *Solenopotes capillatus*, and *S. ferrisi*. In addition, the following species were found on domestic mammals and humans: (1) Mallophaga—*Bovicola bovis*, *B. limbata*, *B. ovis*, *Felicola subrostratus*, *Gyropus ovalis*, and (2) Anoplura—*Haematopinus asini*, *H. eurysternus*, *H. suis*, *Linognathus africanus*, *L. pedalis*, *L. vituli*, *Pediculus humanus* (from humans), *Pthirus pubis* (from humans) and *Polyplax serrata*.

Introduction

Previous information on the lice of mammals from Oregon was presented by Hansen (1964). Hansen found lice as follows (hosts in parentheses): (1) Mallophaga *Geomydoecus thomomys* (northern pocket gopher, *Thomomys talpoides*), *Strigiphilus ceblebrachys* (deer mouse, *Peromyscus maniculatus*—contaminant or accidental); and (2) Anoplura—*Fahrenholzia pinnata* (Ord kangaroo rat, *Dipodomys ordi*; Great Basin pocket mouse, *Perognathus parvus*), *Hoplopleura acanthopus* (long-tailed vole, *Microtus longicaudus*; montane vole, *M. montanus*; little brown myotis, *Myotis lucifugus*—contaminant or accidental; deer mouse—contaminant or accidental), *H. arboricola*, *H. eratica*, and *Neohaematopinus pacificus* (chipmunk, *Eutamias* spp.), *Hoplopleura hes-*

¹This paper is a partial contribution to the Oregon Coast Ecological Survey, Puget Sound Museum of Natural History, University of Puget Sound, Tacoma, Washington 98416.

peromyscus (deer mouse), *N. inornatus* (bushy-tailed woodrat, *Neotoma cinerea*; desert woodrat, *N. lepida*); *Polyplax* probably *abscissa* (*sic*; undoubtedly *abscisa*, which = *alaskensis*), *P. auricularis* (deer mouse; northern water shrew, *Sorex palustris*—contaminant or accidental), *P. spinulosa* (montane vole).

Maser has been collecting ectoparasites for more than 10 years as part of a larger study on mammals of Oregon. Many of the entries in the following checklist have been derived from this study.

Methods and Materials

Lice were collected by direct examination of a host's hair under a dissecting microscope and by brushing the hair over a white porcelain pan. The lice were initially preserved in 70 percent ethanol and subsequently mounted on permanent slides. Identified specimens have been placed in the United States National Museum, Washington, D.C., and in the Puget Sound Museum of Natural History, University of Puget Sound, Tacoma, Washington. Host voucher specimens are either in the Puget Sound Museum or Natural History or in the collection of Donald K. Grayson, Department of Anthropology and Burke Memorial Museum, University of Washington, Seattle.

Nomenclature for mammals primarily follows Hall (1981) and that for lice, primarily follows Ferris (1951), Stojanovich and Pratt (1961), and Emerson (1972).

Annotated Checklist

Mallophaga, Chewing Lice

Bovicola bovis (Linnaeus, 1758).

Host: Domestic cow, *Bos taurus*. Location: GRANT CO., Dayville, April 1933, John Day, Jan. 1947. BENTON CO., Corvallis, July 1929, Jan. 1948. Source: U.S. National Museum.

Bovicola limbata (Gervais, 1844).

Host: Domestic Angora goat, *Capra hircus*. Location: LINN CO., Fairview, Nov. 1947. LINCOLN CO., Jan. 1963. Source: U.S. National Museum.

Bovicola ovis (Schränk, 1781).

Host: Domestic sheep, *Ovis aries*. Location: BENTON CO., Corvallis, Feb. 1912, Oct. 1948. Source: U.S. National Museum.

Eutrichophilus setosus (Giebl, 1910).

Host: Porcupine, *Erethizon dorsatum*. Location: DESCHUTES CO., Sisters, July 1936. Source: U.S. National Museum.

Felicola subrostratus (Burmeister, 1938).

Host: Domestic cat, *Felis catus*. Location: MULTNOMAH CO., Portland, Nov. 1921. WASHINGTON CO., Forest Grove, May 1933. Source: U.S. National Museum.

Geomydoecus oregonus Price and Emerson, 1971.

Host: Camas pocket gopher, *Thomomys talpivorus*. Location: MULTNOMAH CO.; BENTON CO., vicinity of Corvallis, Oct. 1973, May 1974. Source: This study. Note: In addition, Price and Emerson (1971) and Price and Hellenthal (1980) reported a number of individuals of

- this species, all from this host, which is endemic to western Oregon.
- Geomydoecus idahoensis* Price and Emerson, 1971.
 Host: Townsend pocket gopher, *Thomomys townsendi*. Location: MALHEUR CO., in vicinity of Vale, July 1974, April 1975, March 1975, and May 1975. HARNEY CO., near Fields and Malheur Lake, both July 1975. Source: This study.
- Geomydoecus shastensis* Price and Hellenthal, 1980.
 Host: Botta pocket gopher, *Thomomys bottae*. Location: JACKSON CO., JOSEPHINE CO., CURRY CO. Source: Maser *et al.* (1981), Price and Hellenthal (1980).
- Geomydoecus thomomys* (McGregor, 1917)
 Host: Mazama pocket gopher, *Thomomys mazama*; northern pocket gopher, *Thomomys talpoides*. Location: Mazama pocketgopher—DESCHUTES CO., vicinity Three Creek Lake (T17S, R9E, S11), July 1969. LINN CO., Big Lake, August 1969. LANE CO., H. J. Andrews Experimental Forest (T15S, R6E, S33), July 1972. Northern pocket gopher—JEFFERSON CO., vicinity Culver, July and Oct. 1969. KLAMATH CO., vicinity Bonanza, May and June 1971, March and Oct. 1972. MALHEUR CO., Pole Creek (T19S, R39E, S31), June 1975. Source: This study. Note: Price and Emerson (1971) reported this species of louse from both the Mazama and northern pocket gophers from "Oregon."
- Gyropus ovalis* Burmeister, 1938.
 Host: Domestic guinea pig, *Cavia porcellus*. Location: MULTNOMAH CO., Portland, July 1939. Source: U.S. National Museum.
- Neotrichodectes interruptofasciatus* (Kellogg and Ferris, 1915).
 Host: Badger, *Taxidea taxus*. Location: WALLOWA CO., Charolair Road (T2N, R45E, S29), July 1977. Source: This study.
- Neotrichodectes minutus* (Paine, 1912).
 Host: Long-tailed weasel, *Mustela frenata*. Location: MALHEUR CO., vicinity of Vale, May 1975. Source: This study.
- Neotrichodectes osborni* Keler, 1944.
 Host: Spotted skunk, *Spilogale putorius*. Location: COOS CO., vicinity of Bandon, July, Oct., and Nov. 1970, Jan., Feb., and Dec. 1971. CURRY CO., Long Ridge Forest Camp (T38S, R12W, S23), Sept. 1970. Vicinity of Port Orford, Dec. 1970; KLAMATH CO., Keno, August 1935. Source: This study and U.S. National Museum.
- Pitrufoquia coypus* Marelli, 1932.
 Host: Nutria, *Myocastor coypus*. Location: MARION CO., Salem, 1956. Source: U.S. National Museum. Note: This species of louse is not native to Oregon but was imported from South America with its host, the nutria.
- Stachiella erminea* Hopkins, 1941.
 Host: Short-tailed weasel, *Mustela erminea*. Location: LANE CO., 23 mi. SE Vida, April and May 1968, April 1970. Source: This study.
- Stachiella larseni* Emerson, 1962.
 Host: Mink, *Mustela vison*. Location: LANE CO., 9 mi. N, 1 mi. w

Gardiner, Feb. and March 1972. COOS CO., vicinity of Bandon, August 1970, Feb. and Sept. 1971. Source: This study.

Trichodectes canis (deGreer, 1778).

Host: Coyote, *Canis latrans*. Location: COOS CO., Dec. 1923. Source: U. S. National Museum.

Tricholipeurus lipeuroides (Megnin, 1884).

Host: Mule deer, *Odocoileus hemionus*. Location: LINCOLN CO., Alsea; BENTON CO.; LAKE CO.; UNION CO. Source: U.S. National Museum.

Tricholipeurus paraellelus (Osborn, 1896)

Host: Mule deer. Location: TILLAMOOK CO.; WASHINGTON CO., Forest Grove; DOUGLAS CO.; GRANT CO., Dayville. Source: U.S. National Museum.

Anoplura, Sucking Lice

Enderleinellus osborni Kellogg and Ferris, 1915.

Host: Beechey ground squirrel, *Spermophilus beecheyi*. Location: LINCOLN CO., Burnt Woods, July 1968. Source: U.S. National Museum.

Enderleinellus tamiasciuri Kim, 1966.

Host: Chickaree, *Tamiasciurus douglasi*. Location: TILLAMOOK CO., Cascade Head Experimental Forest, August 1971. Source: This study.

Fabrenholzia pinnata Kellogg and Ferris, 1915.

Host: Great Basin pocket mouse, *Perognathus parvus*; Ord kangaroo rat, *Dipodomys ordi*; chisel-toothed kangaroo rat, *D. microps*. Location: Great Basin pocket mouse—MALHEUR CO., 6.5 mi. SW Whitehorse Ranch (T38S, R39E, S1); 3 mi. NW Road Reservoir (T27S, R43E, S21), both August 1976. Ord kangaroo rat—MALHEUR CO., 5.5 mi. S Vale, March 1975. HARNEY CO., west end Malheur Lake, July 1975. Chisel-toothed kangaroo rat—MALHEUR CO., Sponge Springs (T20S, R43E, S34), May 1975. Source: This study. Note: Lice on both species of kangaroo rats were found inside the cheek pouches.

Haematopinus asini (Linnaeus, 1758).

Host: Domestic horse, *Equus caballus*. Location: MULTNOMAH CO., Portland, April 1937. GRANT CO., Mount Vernon, April 1933. Source: U.S. National Museum.

Haematopinus eurysternus Nitzsch, 1918.

Host: Domestic cow. Location: CROOK CO., Prineville, January 1947. Source: U.S. National Museum.

Haematopinus suis (Linnaeus, 1758).

Host: Domestic swine, *Sus scrofa*. Location: CLACKAMAS CO., Oregon City, 1911. Source: U.S. National Museum.

Haemodipsus lyriocephalus (Burmeister, 1839).

Host: Black-tailed jackrabbit, *Lepus californicus*. Location: MORROW CO., Irrigon, May 1932. Source: U.S. National Museum.

Haemodipsus setoni Ewing, 1924.

Host: Mountain cottontail, *Sylvilagus nuttalli*; black-tailed jackrabbit. **Location:** Mountain cottontail—MALHEUR CO., Jordan Valley, July 1976. Black-tailed jackrabbit—GILLIAM CO., Arlington, April 1933; MORROW CO., Irrigon, May 1932. **Source:** This study and U.S. National Museum.

Hoplopleura acanthopus (Burmeister, 1839).

Host: Montane vole, *Microtus montanus*; long-tailed vole, *M. longicaudus*; creeping vole, *M. oregoni*; sage vole, *Lagurus curtatus*. **Location:** Montane vole—DESCHUTES CO., vicinity of Three Creeks Lake, July 1968. JEFFERSON CO., vicinity of Culver, Dec. 1967, April 1968, Dec. 1969. CROOK CO., vicinity of Prineville, Feb. 1968. MALHEUR CO., vicinity of Vale, April, June 1975; Cottonwood Creek (T26S, R38E, S29), Sept. 1976, vicinity of Jordan Valley, July 1976; Mud Springs (T38S, R40E, S29), August 1976; 6 mi. SE Whitehorse Ranch (T37S, R37E, S27), August 1976. Long-tailed vole—DOUGLAS CO., Bum Creek (T20S, R7W, S19), Feb. 1970. MALHEUR CO., Succor Creek State Park, May 1975. Creeping vole—LINN CO., H. J. Andrews Experimental Forest, Sept. 1972. Sage vole—JEFFERSON CO., vicinity of Culver, Nov. 1969, Jan. 1970. HARNEY CO., vicinity of Steens Mountain summit, August 1975. MALHEUR CO., Cottonwood Creek (T26S, R38E, S29), Sept. 1976; Mud Springs, August 1976; 6.5 mi. SE Whitehorse Ranch, August 1976; Jordan Crater Research Natural Area, August 1976. **Source:** This study. **Note:** This species of louse is primarily a parasite of microtine rodents.

Hoplopleura arboricola Kellogg and Ferris, 1915.

Host: Townsend chipmunk, *Eutamias townsendi*; yellow-pine chipmunk, *E. amoenus*; least chipmunk, *E. minimus*. **Location:** Townsend chipmunk—COOS CO., vicinity of Bandon, Sept. and Dec. 1971. LINCOLN CO., Cascade Head Experimental Forest, April 1971. LANE CO., 23 mi. SE Vida, April 1971; H. J. Andrews Experimental Forest, July, August, Sept. 1972. LINN CO., H. J. Andrews Experimental Forest, July, August, Sept. 1972. Yellow-pine chipmunk—UNION CO., Starkey Experimental Forest and Range, Sept. 1975. HARNEY CO., Steens Mountain, July 1975. Least chipmunk—MALHEUR CO., 8.5 mi. WSW Jordan Valley, July 1976. **Source:** This study. **Note:** A total of 861 ($\bar{x} = 3.73$) individuals of this species of louse were taken from 118 of 231 Townsend chipmunks (mostly from the H. J. Andrews Experimental Forest, Lane and Linn counties).

Hoplopleura hesperomydis (Osborn, 1891).

Host: Deer mouse, *Peromyscus maniculatus*. **Location:** COOS CO., vicinity of Bandon, July 1971. UNION CO., Starkey Experimental Forest and Range, Sept. 1975. MALHEUR CO., Jordan Crater Research Natural Area, July 1974; Succor Creek State Park, May 1975; Cottonwood Creek (T18S, R42E, S3), August 1975; 8.5 mi. WSW Jordan Valley, July

- 1976, Antelope Reservoir (T31S, R45E, S33), July 1976; Mud Springs (T38S, R40E, S29), August 1976; 6.5 mi. SE Whitehorse Ranch, August 1976, 3 mi. NW Road Reservoir (T27S, R43E, S21), August 1976. Source: This study.
- Hoplopleura onychomydis* Cook and Beer, 1959.
Host: Northern grasshopper mouse, *Onychomys leucogaster*. Location: MALHEUR CO., 6.5 mi. SE Whitehorse Ranch, August 1976. Source: This study.
- Hoplopleura sciuricola* Ferris, 1921.
Host: Western gray squirrel, *Sciurus griseus*; chickaree, *Tamiasciurus douglasi*. Location: Western gray squirrel—BENTON CO., Corvallis, August 1971. Chickaree—TILLAMOOK CO., Cascade Head Experimental Forest, August 1971. LINCOLN CO., Newport. BENTON CO., vicinity of Corvallis. Source: This study and U.S. National Museum.
- Hoplopleura trispinosa* (Kellogg and Ferris, 1915).
Host: Northern flying squirrel, *Glaucomys sabrinus*. Location: UNION CO., 10 mi. N 6 mi. W La Grande, May 1976; Drumhill Ridge, June 1978; Starkey Experimental Forest and Range, June 1978. UMATILLA CO., Spring Mountain, June 1978. WALLOWA CO., N of Lostine (T3N, R44E, S19), May 1976; Powwatka Ridge, May 1977; Kuhn Ridge, May 1977. Source: This study and U.S. National Museum.
- Latagophthirus rauschi* Kim and Emerson, 1974.
Host: Canadian river otter, *Lutra canadensis*. Location: COOS CO., Broadbent, July 1971. Source: This study.
- Linognathus africanus* Kellogg and Paine, 1911.
Host: Domestic goat. Location: MULTNOMAH CO., Portland, Nov. 1921. Source: U.S. National Museum.
- Linognathus pedalis* (Osborn, 1896).
Host: Domestic sheep. Location: BENTON CO., Corvallis. Source: U.S. National Museum.
- Linognathus setosus* (van Olfers, 1816).
Host: Coyote; domestic dog, *Canis familiaris*. Location: Coyote—MALHEUR CO., Soldier Creek (T32S, R45E), Jan. 1976. Domestic dog—MULTNOMAH CO., Portland. GRANT CO., Canyon City, Mount Vernon. Source: This study and U.S. National Museum.
- Linognathus vituli* (Linnaeus, 1758).
Host: Domestic cow. Location: BENTON CO., Corvallis. GILLIAM CO., Lonerock. Source: U.S. National Museum.
- Microphthirus uncinatus* (Ferris, 1916).
Host: Northern flying squirrel. Location: UNION CO., Starkey Experimental Forest and Range, May 1978. UMATILLA CO., Spring Mountain, May 1978. Source: This study.
- Neohaematopinus citellinus* Ferris, 1942.
Host: Antelope ground squirrel, *Ammospermophilus leucurus*. Location:

MALHEUR CO., Dry Creek (T23S, R43E, S27), July 1975. Source: This study.

Neohaematopinus inornatus Kellogg and Ferris, 1915.

Host: Bushy-tailed woodrat, *Neotoma cinerea*. Location: LINCOLN CO., Cascade Head Experimental Forest, April and August 1971. MALHEUR CO., Cottonwood Creek (T18S, R42E, S3), August 1975; Bogus Lake, July 1976; Jordan Crater Research Natural Area, July 1976. Source: This study.

Neohaematopinus laeviusculus (Grube, 1851).

Host: Beechey ground squirrel; Belding ground squirrel, *Spermophilus beldini*; Townsend ground squirrel, *S. townsendi*; Columbian ground squirrel, *S. columbianus*; Washington ground squirrel, *S. washingtoni*; long-tailed weasel. Location: Beechey ground squirrel—LINCOLN CO., Burnt Woods, Yachats. BENTON CO., Corvallis. LANE CO., H. J. Andrews Experimental Forest. Belding ground squirrel—KLAMATH CO., vicinity of Bonanza. CROOK CO., Mud Springs Camp, Ochoco Mountains, July 1964. Townsend ground squirrel—KLAMATH CO., Bonanza, 1933, Klamath Falls, 1934. Columbian ground squirrel—UNION CO., Ladd Canyon, March 1979. Washington ground squirrel—MORROW CO., Boardman Bombing Range, May 1978. Long-tailed weasel—MALHEUR CO., 3.5 mi. S Vale, May 1975. (One louse of this species was found on a weasel taken as it hunted in burrows of Townsend ground squirrels.) Source: This study and U.S. National Museum.

Neohaematopinus marmotae Ferris, 1923.

Host: Yellow-bellied marmot, *Marmota flaviventris*. Location: CROOK CO., Ochoco Mountains. WASCO CO., Antelope. UNION CO., 1.5 mi. SE Ladd Canyon, March 1979. MALHEUR CO., vicinity of Mesa Reservoir (T22S, R41E, S27), May 1975. KLAMATH CO., Dairy, 5 m. E Bonanza, May 1971. Source: This study and U.S. National Museum.

Neohaematopinus neotomae Ferris, 1942.

Host: Desert woodrat, *Neotoma lepida*. Location: MALHEUR CO., Succor Creek State Park, May 1975. Source: This study.
Park, May 1975. Source: This study.

Neohaematopinus pacificus Kellogg and Ferris, 1915.

Host: Townsend chipmunk. Location: LANE CO. and LINN CO., H. J. Andrews Experimental Forest, July, August, and Sept. 1972. Source: This study.

Neohaematopinus sciuropteri (Osborn, 1891).

Host: Northern flying squirrel. Location: UMATILLA CO., Spring Mountain (T1S, R36E, S25), May 1978. UNION CO., Starkey Experimental Forest and Range, Sept. 1975, Oct. 1976, May and June 1977, and May and June 1978; 10 mi. N 6 mi. W La Grande, May 1976; 7 mi. N 5 mi. W La Grande, May 1976; Drumhill Ridge, July 1979. WALLOWA CO., Powwarka Ridge, March 1976, March, May, and Dec. 1977, Feb.

1978; 15-17 mi. N Lostine (T3N, R44E, S19), May 1976, Gould Gulch March 1977. Source: This study.

Neohaematopinus semifasciatus Ferris, 1916.

Host: Chickaree. Location: TILLAMOOK CO., Cascade Head Experimental Forest, August 1971. MULTNOMAH CO., Portland, March 1951. Source: This study and U.S. National Museum.

Pediculus humanus Linnaeus, 1758.

Host: Human, *Homo sapiens*. Location: BENTON CO., Corvallis, 1913. Source: U.S. National Museum. Note: The head louse is the most common human louse in Oregon (Jack Warren, Oregon State Division of Health, Personal comm. 1983).

Pthirus pubis (Linnaeus, 1758).

Host: Human, *Homo sapiens*. Location: Oregon. Source: Jack Warren (Oregon State Division of Health, personal comm. 1983).

Polyplax alaskensis Ewing, 1927.

Host: Sage vole. Location: JEFFERSON CO., vicinity of Culver, 1969. HARNEY CO., east rim of Steens Mountain, August 1975. Source: This study.

Polyplax auricularis Kellogg and Ferris, 1975.

Host: Deer mouse; canyon mouse, *Peromyscus crinitus*. Location: Deer mouse—COOS CO., vicinity of Bandon, Nov. 1970, July 1971. MALHEUR CO., Jordan Crater Research Natural Area, July 1974; Succor Creek State Park, May 1975; Antelope Reservoir (10 mi. SW Jordan Valley), July 1976. HARNEY CO., east rim of Steens Mountain, August 1975. Canyon mouse—MALHEUR CO., Succor Creek State Park, May 1975. Source: This study.

Polyplax serrata (Burmeister, 1839).

Host: Laboratory mouse, *Mus musculus*. Location: BENTON CO., Corvallis, February 1950. Source: U.S. National Museum.

Polyplax spinulosa (Burmeister, 1839).

Host: Rat, *Rattus* sp. Location: BENTON CO., Corvallis, Nov. 1913. MULTNOMAH CO., Portland, Feb. and March 1934. Source: U.S. National Museum.

Solenopotes capillatus Enderlein, 1904.

Host: Domestic cow. Location: GRANT CO., John Day, Jan. 1947. Source: U.S. National Museum.

Solenopotes ferrisi (Fahrenholz, 1917).

Host: White-tailed deer, *Odocoileus virginianus*. Location: BENTON CO. Source: Kim and Weisser (1974).

Other species that could occur in Oregon but have not yet been recorded are all Mallophaga: (1) *Bovicola caprae* from short-haired goat; (2) *B. crassipes* from Angora goat; (3) *B. equi* from domestic horse; (4) *B. concavifrons* and *B. longicornis* from North American elk, *Cervus elaphus*; (5) *B. jellisoni* from bighorn sheep, *Ovis canadensis*; (6) *B. oreanmidis* from mountain goat, *Oreamnos americanus*; (7) *Felicola spenceri* from lynx, *Felis lynx*; (8) *Felicola* spp. from cougar, *F. concolor*, and bobcat,

F. rufus; (9) *Heterodoxus spiniger* from domestic dog, *Canis familiaris*, and coyote; (10) *Neotrichodectes mephitidis* from striped skunk, *Mephitis mephitis*; (11) *Stachiella retusa martis* from marten, *Martes americana*; (12) *Suricatoecus quadriceps* from gray fox, *Urocyon cinereoargenteus*; (13) *Trichodectes octamaculatus* from raccoon, *Procyon lotor*; and (14) *Tricholipeurus pinquis enarctidos* from black bear, *Ursus americanus*.

The only species of louse on a mammal reported by Hansen (1964) but not by us is *Hoplopleura erratica*. Hansen listed it as a probable identification from the chipmunk, *Eutamias* sp. This species of louse, however, seems to be host-specific to the eastern chipmunk, *Tamias striatus*, so we considered it to be an incorrect identification of *H. arboricola*. We took many lice from *Eutamias* but not *H. erratica*. We therefore exclude it from our list of lice on mammals from Oregon.

We have included 19 species of chewing lice and 35 species of sucking lice from wild mammals of Oregon, plus an additional 5 species of chewing lice and 9 species of sucking lice from domestic mammals and humans.

Acknowledgments

Laboratory space and partial funding for this study were provided by the USDA Forest Service, Pacific Northwest Forest and Range Experiment Station, Project 1701, Range and Wildlife Habitat Laboratory, La Grande, Oregon. We sincerely appreciate the help of D. K. Grayson (Department of Anthropology and Burke Memorial Museum, University of Washington, Seattle), M. L. Johnson (Puget Sound Museum of Natural History, University of Puget Sound, Tacoma, Washington), and G. Krantz (Department of Entomology, Oregon State University, Corvallis), who critically read and improved this paper, and P. Taylor-Hill (U.S. Department of the Interior, Bureau of Land Management, Forestry Sciences Laboratory, Corvallis, Oregon), who typed various drafts of the manuscript.

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Received September 27, 1982

Accepted for publication March 16, 1983