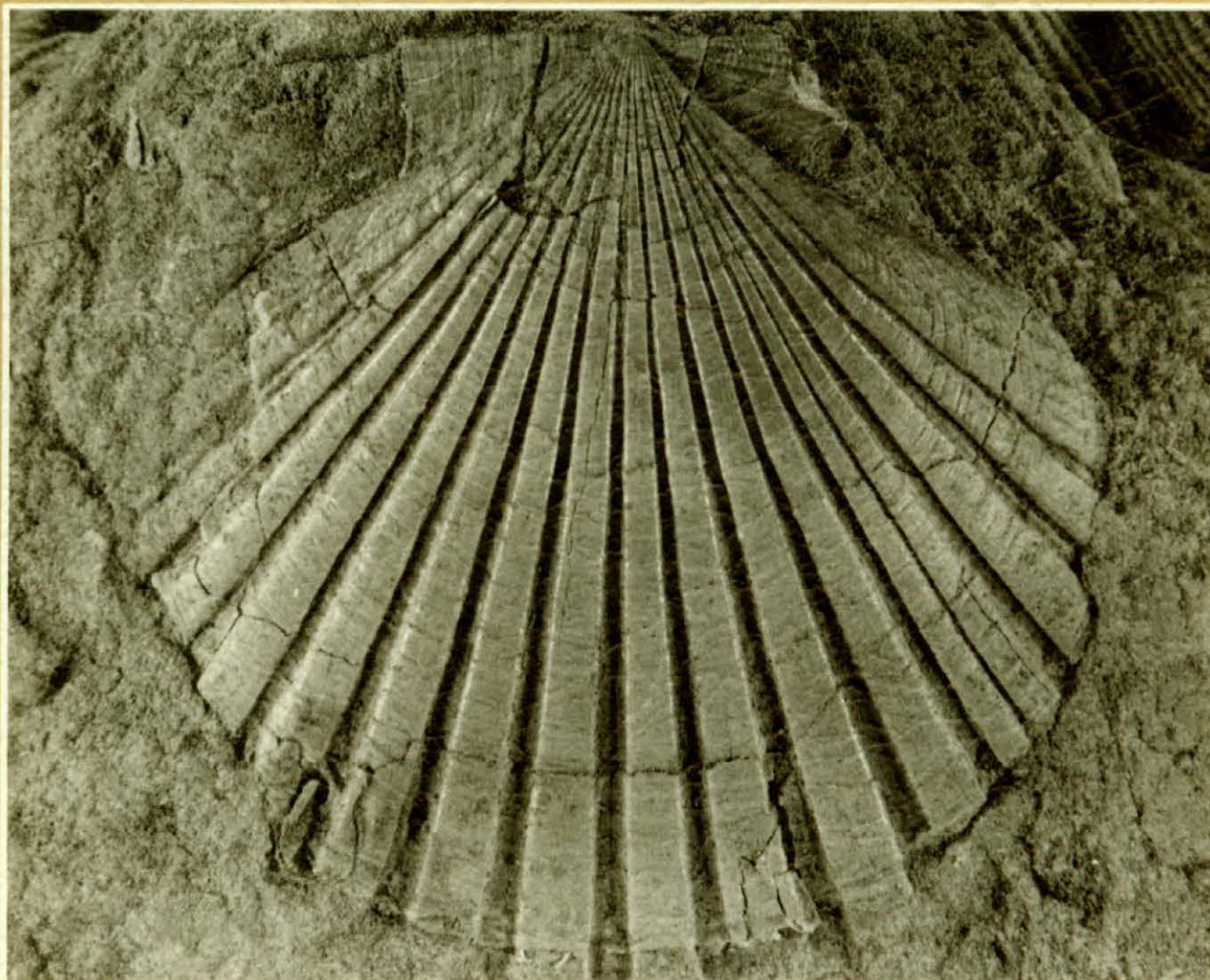




BIBLIOGRAPHY OF OREGON PALEONTOLOGY 1792-1983

1984

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
DONALD A. HULL, STATE GEOLOGIST

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1005 State Office Building, Portland, Oregon 97201

Special Paper 17

**BIBLIOGRAPHY OF OREGON PALEONTOLOGY
1792-1983**

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1984

Conducted in conformance with ORS 516.030



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Cover photo.: A nearly perfect right valve of the Miocene scallop **Patinopecten propatulus** (Conrad) from exposures of the Astoria Formation near Newport, Oregon.

INTRODUCTION

This bibliography was compiled over a six year period. The bulk of references were examined in the library at the University of Oregon, Eugene, or at Oregon State University, Corvallis. Most of the bibliographic material is from journal articles. Chapters from books, symposia, Masters theses and PhD dissertations are also listed.

The author index is arranged alphabetically and subdivided by date of publication. Annotations for each publication attempt to include subject area, location and formation. There are no annotations for information which was included in the title of the publication.

Users of this bibliography can obtain these references through the Inter Library Loan System. The physical volume/article can be ordered or a copy of the material can be made and sent to the user through this Inter Library Loan process. A local public library, the State Library in Salem, a community college or University library will maintain this loan system.

Some references listed here will be easier to obtain than others. Journal articles, ordered from the University of Oregon library, for example, can be xeroxed for a small charge. Loan policies for theses and dissertations vary according to the institution which issued them. As a general policy, institutions of higher education in Oregon will loan dissertations and theses. Dissertations are also available in photocopy from University Microfilms, Ann Arbor, Michigan.

These references can also be obtained through information retrieval services, as OATS (Original Article Text Service) or Dialog Information Retrieval Service. The charge for this service is more than for Inter Library loan; however, the orders can be phoned in, and service is fast.

Comments and suggestions of Richard Thoms and Dave Taylor, Geology Department, Portland State University, Joseph Kohut, Library, Portland State University, and Richard Heinzkill, Library, University of Oregon, were appreciated.

List of Publications

Academy of Natural Sciences, Philadelphia.
 Proceedings
 Acta Zoologica
 American Antiquities
 American Association of Petroleum Geologists. Annual Meeting
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SUBJECT INDEX

The index is arranged by formation, county, subject (as Vertebrates; Paleoenvironment), or by a specific name (Pontolis; Cedar), whenever that name was used in the title of a reference.

Counties are subdivided into smaller areas, as City, Butte, whenever that information was available:

Lane County, Eugene

Foraminifera

Broad geographical divisions (Quadrangle, River basin) are arranged under the name of the division:

Blue Mountains

Picture Gorge Quadrangle

Subject divisions are subdivided by geographical area whenever possible. Smaller geographical subdivisions (City) are preferred. There are no county divisions under the subject divisions unless the county name was the only geographical unit available:

Foraminifera

Eugene, Lane Co.

Acacia: Gregory, 1970

Aceratheria: Cope, 1879

Acila: Addicott, 1976a; Schenck, 1929; 1933; 1934; 1936

Aforia: Javipour, 1973

Adel Quadrangle

Vertebrates: Walker and Repenning, 1965

Aelurodon: Vanderhoof and Gregory, 1940

Agate Beach, Lincoln Co.

Foraminifera: Cushman, et al., 1947; Herron, 1953

Agate Beach Formation

Invertebrates: Herron, 1953

Agness Quadrangle

Foraminifera: Miles, 1977a; Thoms, 1965

Agriochoerus: Thorpe, 1921b

Albany Quadrangle

Invertebrates: Allison, 1953

Albian Sea: Jones, 1960

Aldrich Mountain Quadrangle

Vertebrates: Downs, 1956

Algae see Diatoms

Allocyon: Merriam, 1930

Allodesmus: Mitchell, 1966a

Alsea Formation

Foraminifera: Rau, 1975; Snively et al., 1975

Invertebrates: Moore, 1976; Snively et al., 1975

Aforia: Javipour, 1973

Marine Vertebrates: Whitmore and Sanders, 1976

Alsea Siltstone

Foraminifera: McKeel, 1971; McKeel and Lipps, 1975; Snively et al., 1969

Alvord Creek Flora see Flora, Alvord Cr.

Amphibia see Vertebrates/Amphibia

Amnyodont: Anderson, 1971

Amphisbaenia: Berman, 1976

Anabernicula: Howard, 1946

Anacanthin fish: David, 1956

Anchitherium: Cope, 1897d

Angiosperms, evolution: Chaney, 1949

Anlauf Quadrangle

Fauna/flora: Hoover, 1963

Foraminifera: Miles, 1977a

Anthropoid: Terry, 1891

Antinacea: Dall, 1915

Araeocyon: Thorpe, 1922

Arago Formation

Invertebrates: Hannibal, 1915; Weaver, 1945a

Archaelurus: Cope, 1879a

Archidae: Reinhart, 1943

Arthropoda

Orr and Orr, 1981; Rathbun, 1926; U.S., B.L.M., 1981; Weaver, 1942

Agness, Curry Co. Feldmann, 1974; Kooser and Orr, 1973; Orr and Kooser, 1971

Alsea, Lincoln Co.: Rathbun, 1932

Alsea Formation: Snively, et al., 1975

Astoria Formation: Dana, 1849

Baker Co.: Cope, 1883b

Beaver Cr., Washington Co.: Rathbun, 1932

Cape Blanco, Curry Co.: Zullo and Chivers, 1969

Clatsop Co.: Rathbun, 1926

Columbia Co.: Steere, 1957

Coos Bay: Dall, 1909; Steere, 1955

Coos Co.: Rathbun, 1926

Dallas, Polk Co.: Rathbun, 1932

Dallas Quadrangle: Baldwin, 1964

Days Creek Fm.: Feldmann, 1974

Douglas Co.: Rathbun, 1926

Empire Fm.: Armentrout, 1967; Steere, 1955

Elkton Siltstone: Baldwin, 1961

Eugene Formation: Hickman, 1968; 1969; Steere, 1958

Arthropoda, cont.

Flournoy Fm.: Kooser and Orr, 1973; Orr and Kooser, 1971
John Day Fm.: Peterson, 1964
Keasey Fm.: Rathbun, 1932; Steere, 1957
Lane Co.: Rathbun, 1926
Lincoln Co.: Rathbun, 1926; 1932; Steere, 1964
Malheur Co.: Rathbun, 1926
Mill Cr., Polk Co.: Rathbun, 1932
Mitchell Quadrangle: Howard, 1955
Polk Co.: Stokesbary, 1933
Ochoco Mtns.: Dubar, 1950
Pacific Coast: Nations, 1969; 1970
Pittsburg Bluff Fm.: Moore, 1976
Spencer Fm.: Baldwin, 1964
Tarheel Fm.: Armentrout, 1967
Trilobite: Buddenhagen, 1967
Valsetz Quad.: Baldwin, 1964
Vernonia, Columbia Co.: New fossil, 1964
Washington Co.: Steere, 1957
West Coast: Nations, 1969; 1970
Arthropoda catalogue: U.S. B.L.M., 1981

Artiodactyla see Vertebrates/Artiodactyla

Arvicolinae
Repenning, 1968

Astoria Formation:
Biostratigraphy: Armentrout, 1975a
Arthropoda: Dana, 1849; Steere, 1964
Bryozoa: Moore, 1963
Echinoderms: Kleinpell, 1938; Moore, 1963
Fish: Dana, 1849; Gilmore, 1941
Flora: Dana, 1849
Foraminifera: Cushman, et al., 1947; Daugherty, 1951; Dodds, 1969; Gonsalves, 1965; Kleinpell, 1938; McKeel and Lipps, 1975; Rau, 1948; Stewart, 1956; Warren, et al., 1945
Astoria, Clatsop Co.: Niem, et al., 1973
Newport, Lincoln Co.: Snavelly, et al., 1969
Onion Peak, Clatsop Co.: Smith, 1975
Svensen Quad.: Dodds, 1963
Yaquina Bay, Lincoln Co.: Snavelly, et al., 1964
Invertebrates: Addicott, 1966; Anderson, 1914; Condon, 1880; Conrad, 1848; 1853; 1865; 1865a; 1866; 1909; Dall, 1891; 1909; Dall and Harris, 1892; Dana, 1849; Dodds, 1969; Emerson, 1958; Kleinpell, 1938; Moore, 1963; Palmer, 1927; Warren, et al., 1945; Wilkinson, 1959
Acila: Addicott, 1976a
Astoria, Clatsop Co.: Niem, et al., 1973
Archidae: Reinhart, 1943
Beverly Beach St. Pk., Lincoln Co.: Colbath, 1981
Cape Blanco, Curry Co.: Durham, 1953
Cape Lookout St. Pk., Tillamook Co.: Magnus, 1967
Clatsop Co.: Howell, 1922a
Coos Bay, Coos Co.: Parker, 1949
Lincoln Co.: Howe, 1922a; Howe, 1926; Snavelly and Vokes, 1949; Steere, 1964
Mytilus: Allison and Addicott, 1976
Newport, Lincoln Co.: Vokes, et al., 1949
Onion Peak, Clatsop Co.: Smith, 1975
Solemyacidae: Vokes, 1955
Svensen Quad.: Dodds, 1963
Tillamook Co.: Snavelly and Vokes, 1949
Vancouver Island: Newberry, 1868; Reagan, 1910
Volutidae: Dall, 1907
Yaquina Bay, Lincoln Co.: Snavelly, et al., 1964
Marine Vertebrates: Packard, 1941
Allodesmus: Mitchell, 1966a

Cetacea: Barnes, 1976; Dana, 1849; Orr and Miller, 1983; 1983a
Cophocetus: Packard and Kellogg, 1934
Otter Rock, Lincoln Co.: Packard, 1935
Desmatophoca: Condon, 1906; Dall, 1909; Wortman, 1906
Desmostylus: Hannibal, 1922; Mitchell and Repenning, 1963; Vanderhoof, 1937
Lincoln Co.: Steere, 1964
Pinniped: Packard, 1947b; Repenning and Tedford, 1977
Sharks: Welton, 1972; 1979
Vertebrates: Turtle: Packard, 1940; 1942
Aturia: Conrad, 1865a; Schenck, 1931
Aucella: Imlay, 1959
Badger see Vertebrates/ Mustelidae

Baker County

Arthropoda: Cope, 1883b
Bryozoa: Ashley, 1967
Corals/Conodonts: Mullen, 1978
Diatoms: Baldwin, 1946; Gilluly, 1937; Moore, 1937; Smith, 1934; Wagner, 1969
Fishes: Cope, 1883c; Mullen, 1978; Uyeno and Miller, 1963
Flora: Gilluly, 1937
Fusulinids: Bostwick and Koch, 1962; Bostwick and Nestell, 1967; Dubar, et al., 1960
Invertebrates: Bostwick and Koch, 1962; Dubar, et al., 1960; Gilluly, 1937; Imlay, 1973; Wagner, 1958
Marine Vertebrates: Katsura and Orr, 1982
Vertebrates: Cope, 1883b; Dall and Harris, 1892; Downs, 1952; Osborn, 1936
Baker Co., Eagle Cr.
Corals: Smith, 1912
Flora: Berry, 1929; Brown, 1946; Chaney, 1918; 1920; Chaney and Axelrod, 1959; Lowry, 1947; Smiley, 1963; Wolfe, 1960; 1969
Cedrus: Beck, 1940; 1942
Conifers: Mason, 1927
Keteleeria: Beck, 1942
Invertebrates: Lindgren, 1901; Smith, 1912
Baker Co., Greenhorn
Flora: Dake, 1969a; Read and Brown, 1937
Invertebrates: Mullen, 1978
Baker Co., Homestead
Invertebrates: Vallier, et al., 1970
Baker Co., Huntington
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Baker Co., Sparta
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Bandon Bog
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Bat see Vertebrates/Chiroptera

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 Cycads: Chaney, 1937
- Curry County**
 Arthropoda: Feldmann, 1974; Kooser and Orr, 1973;
 Orr and Kooser, 1971
 Flora: Diller, 1908a; Dott, 1971; Knowlton, 1910b;
 Koch, 1966
 Foraminifera: Dott, 1971; Miles, 1977a
 Invertebrates: Addicott, 1981a; Dott, 1971; Janda,
 1969; Imlay, et al., 1959
 Ammonites: Imlay and Jones, 1970
 Cretaceous: Popenoe, et al., 1961
 Radiolaria: Dott, 1971
- Curry Co., Agness
 Arthropoda: Feldmann, 1974; Kooser and Orr, 1973;
 Orr and Kooser, 1971
- Curry Co., Blacklock Point
 Foraminifera: Dott, 1962
 Invertebrates: Baldwin, 1961a; Dott, 1962;
 Peterson, 1967a
- Curry Co., Cape Blanco
 Arthropoda: Zullo and Chivers, 1969
 Biostratigraphy: Baldwin, 1945
 Diatoms: Barron, 1981
 Echinoderms: Addicott, 1980; Kew, 1920
 Foraminifera: Bandy, 1941; 1944; 1950; Cushman and
 Grant, 1927; Dott, 1962; Miles, 1977a; Rau,
 1964
 Invertebrates: Addicott, 1964; 1980; Allison, et
 al., 1962; Armentrout, 1978; Arnold and
 Hannibal, 1913; Bandy, 1941; Menzies, 192;
 Janda, 1969; Zullo, and Chivers, 1969
 Astoria Fm.: Durham, 1953
 Catalogue: Trumbull, 1958
 Empire Fm.: Durham, 1953; Martin, 1916
Mytilus: Allison and Addicott, 1976
 Marine Vertebrates: Leffler, 1964; Merriam, 1913a;
 Mitchell, 1966b

Curry Co., Cape Blanco, cont.

- Cetacea: Packard, 1947
- Phocid: Barnes and Mitchell, 1975
- Pinniped: Packard, 1947a
- Shark: Welton, 1972; 1979
- Curry Co., Cape Fisheries
 - Flora: Sullivan, 1970
- Curry Co., Cape Sebastian
 - Invertebrates: Peterson, 1967a
- Curry Co., Cape Sebastian State Park
 - Invertebrates: Howard and Dott, 1961
- Curry Co., Chetco River
 - Invertebrates: Ramp, 1969
- Curry Co., Elk River
 - Flora: Fontaine, 1905a; Lowther, 1967; Wolfe, 1969
 - Marine vertebrates: Mitchell, 1966b
- Curry Co., Elk River Fm.
 - Foraminifera: Bandy, 1941; 1950; Rau, 1970
 - Invertebrates: Clifton and Boggs, 1970; Richards and Thurber, 1966
- Curry Co., Floras Lake
 - Flora: Addicott, 1980; Baldwin, 1961a
- Curry Co., Humbug Mtn. State Park
 - Invertebrates/Foraminifera: Koch, et al., 1961
- Curry Co., Port Orford
 - Foraminifera: Koch, 1966
 - Invertebrates: Anderson, 1938; Koch, 1966; Shumard, 1858
- Curry Co., Sisters Rock
 - Marine Vertebrates: Camp and Koch, 1966; Dott, 1971; Koch, 1966

Dallas, Polk Co. see Polk Co., Dallas

- Dallas Quadrangle
 - Flora/fauna: Baldwin, 1964
 - Foraminifera: Baldwin, 1964; Gaston, 1974; Thoms, 1965
 - Marine vertebrates: Baldwin, 1964

Dayiceras: Smith, 1983

Days Creek Formation

- Arthropoda: Feldmann, 1974

Dayville, Grant Co. see Grant Co., Dayville

Dayville Quadrangle

- Invertebrates: Imlay, 1973
- Vertebrates: Downs, 1956

Days Creek Formation

- Arthropoda: Feldmann, 1974

Deer Butte Formation

- Fish: Cavender, et al., 1970; Dalzell, 1968; Kimmel, 1975
- Vertebrates: Kittleman, et al., 1967; Shotwell, 1968

Delintment Lake Quadrangle

- Invertebrates: Imlay, 1968; 1973

Deschutes County

- Diatoms: Baldwin, 1946; Ramsay, 1929; Wagner, 1969; Whitney, 1867
- Flora: Buckley, 1968
- Deschutes Co., Bear Cr.
 - Flora/Invertebrates: Lowry, 1940
- Deschutes Co., Bend
 - Pollen: Hansen, 1942
- Deschutes Co., Terrebonne
 - Diatoms: Melhase, 1933; Moore, 1937; Scott, 1930; Smith, 1934; Smith and Fuller, 1929
- Deschutes Formation
 - Fish: Cavender and Miller, 1972
- Deschutes River Basin
 - Invertebrates: Bailey, 1845; Ehrenberg, 1850; Hodge, 1932

Desmatophoca: Condon, 1906; Dall, 1909; Wortman, 1906

Desmostylus: Abel, 1922; Hannibal, 1922; Hay, 1916; 1925; Merriam, 1906a; 1911; McCornack, 1914; Mitchell and Repenning, 1963; Vanderhoof, 1937

Diatoms

- Hanna, 1956; Moore, 1937
- Amity, Yamhill Co.: Schenck, 1927
- Austin, Grant Co.: Lohman, 1936; Moore, 1937
- Baker Co.: Baldwin, 1946; Gilluly, 1937; Moore, 1937; Smith, 1934; Wagner, 1969
- Bandon, Coos Co.: Ehlen, 1969; Orr and Ehlen, 1971
- Bastendorff Fm.: Schenck, 1927; 1927a
- Beulah, Malheur Co.: Bowen, 1956
- Cacadia Basin: Griggs and Kulm, 1970
- Chiloquin, Klamath Co.: Mahood, 1981
- Christmas Lake, Lake Co.: Colbath and Steele, 1982
- Clatskanie, Columbia Co.: Schenck, 1927
- Columbia Plateau: Chaney and Axelrod, 1959
- Continental Shelf: Harman, 1969
- Coos Bay, Coos Co.: Barron, 1981; Barron and Armentrout, 1980; Dall, 1909
- Dallas, Polk Co.: Nelson and Schenck, 1928
- Deschutes Co.: Baldwin, 1946; Moore, 1937; Ramsay, 1929; Wagner, 1969; Whitney, 1867
- Elgin, Union Co.: Smith, 1934
- Empire Fm.: Barron, 1981; Barron and Armentrout, 1980; Ehlen, 1969
- Fort Rock Fm.: Hampton, 1964
- Goshen, Lane Co.: Ramsay, 1929
- Grant Co.: Baldwin, 1946; Moore, 1937; Wagner, 1969
- Harney Co.: Baldwin, 1946; Hanna, 1933; Moore, 1937; Wagner, 1969
- Harper, Malheur Co.: Abbott, 1971; 1971a; Ramsay, 1929; Smith, 1934; Smith and Fuller, 1929
- Heceta Bank: Fowler, et al., 1971
- Jefferson Co.: Baldwin, 1946
- Juntura, Malheur Co.: Ramsay, 1929; Smith, 1934
- Klamath Co.: Melhase, 1933; Moore, 1937; Peterson and McIntyre, 1970; Wagner, 1969; Whitney, 1867
- Klamath Falls: Smith, 1934
- Klamath Falls Quadrangle: Walker, 1963
- Klamath Lake: Baldwin, 1946; Edwards, 1870
- Lake Co.: Melhase, 1933; Wagner, 1969
- Lane Co.: Baldwin, 1946
- Linn Co.: Baldwin, 1946
- Malheur Co.: Baldwin, 1946; Moore, 1937
- Martin Bridge Fm.: Newton, 1982
- Mascall Fm.: Lohman, 1936
- Otis Basin, Malheur Co.: VanLandingham, 1967
- Pacific Coast: Nelson and Schenck, 1928; 1930
- Pittsburg Bluff Fm.: Moore, 1976
- Siletz River Volcanics: Snavelly and Baldwin, 1948
- Snake River Canyon: Newton, 1982
- Sumpter Quad.: Pardee and Hewett, 1941
- Terrebonne, Deschutes Co.: Melhase, 1933; Moore, 1937; Scott, 1930; Smith, 1934; Smith and Fuller, 1929
- The Dalles, Wasco Co.: Newberry, 1855
- Tipton, Grant Co.: Lohman, 1936
- Tyee Fm.: Bird, 1967
- Trout Cr., Harney Co.: Arnold, 1935; 1936
- Union Co.: Moore, 1937; Wagner, 1969
- Valsetz Quad.: Snavelly and Baldwin, 1948
- Wallowa Co.: Moore, 1937; Wagner, 1969

Diceratherium: Troxell, 1921

Dicotylinae see Vertebrates/Dicotylinae

Dinocerta: Marsh, 1886

Dinoflagellates: Orr and Conley, 1976

Dipoides: Shotwell, 1955; Wilson, 1934

Discocyclus: Turner, 1929

Dixonville Quadrangle

Invertebrates: Champ, 1969; Hixson, 1965

Foraminifera: Thoms, 1965

Dog see Vertebrates/Canidae

Donovan Formation

Invertebrates: Lupher, 1941; Packard and Nelson, 1921

Dosinia: Baldwin, 1966

Dothan Formation

Invertebrates: Diller, 1907; Dott, 1962; 1971; Ramp, 1969

Radiolaria: Koch, 1966

Douglas County

Arthropoda: Rathbun, 1926

Diatoms: Nelson and Schenck, 1929; 1930

Flora: Baldwin, 1974; Diller, 1893; 1908a; Hoover, 1963; Knowlton, 1910a; 1910b; Taliaferro, 1942; Ward, 1900

Foraminifera: Baldwin, 1974; 1975; Diller, 1893; Hoover, 1963; Imlay, et al., 1959; McKeel, 1980; Miles, 1977a; Thoms, 1965; Turner, 1929

Invertebrates: Baldwin, 1974; 1975; Diller, 1893; 1907; 1908; Imlay, et al., 1959; Peterson, 1963; Peterson and Mason, 1958; Taliaferro, 1942

Ammonites: Imlay and Jones, 1970

Buchia: Jones, et al., 1967

Cretaceous: Popenoe, et al., 1961

Trace fossils: Harper, 1983

Douglas Co., Bohemia area

Invertebrates: Diller, 1900

Douglas Co., Comstock

Flora: Axelrod, 1966; Barghoorn, 1951; Chaney, 1936; 1940; 1946; Knowlton, 1900; Sanborn, 1934; 1937

Douglas Co., Days Cr.

Invertebrates: Jones, et al., 1969

Douglas Co., Dillard

Invertebrates: Diller, 1907

Douglas Co., Galice

Invertebrates: Packard, 1923

Douglas Co., Galice Fm.

Invertebrates: Harper, 1983

Douglas Co., Little River

Invertebrates: Packard, 1923

Radiolaria: Smith, 1916

Douglas Co., Quartz Mtn.

Flora: Ramp, 1960

Douglas Co., Riddle

Flora: Diller, 1908; Fontaine, 1905; 1905a; Stanton, 1895

Invertebrates: Becker, 1891; Diller, 1908; Stanton, 1895

Douglas Co., Roseburg

Diatoms: Nelson, 1929; 1930

Flora: Beck, 1936; Dake 1940; Wharton, 1935; 1936a; 1937

Douglas Co., Thompson Cr.

Flora: Wharton, 1936

Drupinae: Hertlein, 1965

Drain Quadrangle

Flora/Invertebrates: Hoover, 1963

Foraminifera: Hoover, 1963; Miles, 1977a; Thoms, 1965.

Drewsey Formation

Fauna: Shotwell, 1963; 1963a; 1970

Drinkwater, Harney Co. see Harney Co., Drinkwater

Dutchman Butte Quadrangle

Foraminifera: Miles, 1977a

Eagle Creek Flora see Flora, Eagle Creek

Echinoderms

Kew, 1920

Astoria Fm.: Kleinpell, 1938; Moore, 1963

Butte Cr. Beds: Baldwin, 1950; Linder and Orr, 1983

Cape Blanco, Curry Co.: Addicott, 1980; Kew, 1920

Coaledo Fm.: Blake and Allison, 1970; Rooth, 1974; Steere, 1955

Columbia Co.: Steere, 1957; Zullo, 1964

Coos Co.: Dall, 1909; Kew, 1920; Moore, 1963; Steere, 1955

Empire Fm.: Durham, 1957; Howe, 1921; Steere, 1955

Eugene Fm.: Hickman, 1968; 1969; Steere, 1958

Fairview-McKinley, Coos Co.: Nelson, 1966

Flournoy Fm.: Orr and Miles, 1978

Jackson Co.: Kew, 1920

Keasey Fm.: Durham, 1981; Steere, 1957; Zullo, 1964

Langlois Quad.: Lent, 1969

Lincoln Co.: Moore, 1963

Lookingglass Fm.: Orr and Miles, 1978

Martin Bridge Fm.: Newton, 1982

Nye Mudstone: Kleinpell, 1938

Pittsburg Bluff Fm.: Clark, 1937; Moore, 1976; White, 1937

Polk Co.: Stokesbary, 1933

Roseburg Fm.: Orr and Miles, 1978

Roseburg Quad.: Johnson, 1965

Snake River Canyon: Newton, 1982; Vallier, 1967

Spirit Mtn. Quad.: Baldwin and Roberts, 1952

Sumpter, Baker Co.: Yochelson, 1961

Tillamook Co.: Moore, 1963

Umpqua Fm.: Thoms, 1965

Wallowa Mtns.: Smith and Allen, 1941

Washington Co.: Steere, 1957; White, 1937

Whitsett Limestone: Johnson, 1965

Edentata see Vertebrates/Edentata

Elephant see Vertebrates/Proboscidea

Elk River, Curry Co. see Curry Co., Elk River

Elk River Formation

Foraminifera: Bandy, 1941; 1950; Rau, 1970; Stewart, 1956

Invertebrates: Anderson, 1938; Baldwin, 1945; 1950a; Bandy, 1941; Clifton and Boggs, 1970; Richards and Thurber, 1966

Marine vertebrates: Leffler, 1964

Elkhorn Ridge Argillite

Fusulinids: Coward, 1982; Dubar, et al., 1960; Ketner, 1967

Baker Co.: Bostwick and Koch, 1962

Blue Mountains: Brooks, 1979

Sumpter Valley: Nelson, 1956; Taubeneck, 1955

Invertebrates: Bostwick and Koch, 1962; Dubar, et al., 1960

Radiolaria: Coward, 1982; Mullen, 1983; Mullen and Sarewitz, 1983

Elkton Siltstone

Flora/Arthropoda: Baldwin, 1961

Foraminifera: Baldwin, 1961; McKeel and Lipps, 1975; Thoms, 1965; 1975

Invertebrates: Baldwin, 1961; Thoms, 1965; 1975

Elphidium: Cushman and Grant, 1927

Emlong, Douglas

Collection: Mitchell and Repenning, 1963; Ray, 1976; Whitmore and Sanders, 1976

Empire Formation

Arthropoda: Armentrout, 1967
Diatoms: Ehlen, 1969
Echinoderms: Addicott, 1980; Durham, 1957; Howe, 1921
Foraminifera: Bandy, 1941; Rau, 1970
Invertebrates: Arnold and Hannibal, 1913; Bandy, 1941; Dall, 1897; 1909; Diller, 1903; Schenck, 1927a; Wilkinson, 1959
Bandon, Coos Co.: Ehlen, 1969
Cape Blanco, Curry Co.: Addicott, 1980; Durham, 1963
Mytilus: Allison and Addicott, 1976
Chione Parker, 1949
Coos Bay, Coos Co.: Armentrout, 1967; Howe, 1921; 1922; James, 1950; Schenck, 1928; Weaver, 1945a

Marine vertebrates:

Pontolis: Dall, 1909; Steere, 1955; True, 1905; 1905a; 1909

Empire Quadrangle:

Foraminifera: Miles, 1977a; Thoms, 1965
Engelhardiidae: Manchester, 1983
Engonoceras: Packard, 1956
Eostafella: Sada and Danner, 1973
Epitonium: Lawler, 1976
Eporeodon: Thorpe, 1921

Equidae see Vertebrates/ Equidae

Equisetum: Brown, 1975

Esox (Salmoniformes): Cavender, et al., 1970

Euchre Mountain Quadrangle

Flora/Fauna: Snavely and Baldwin, 1948

Eugene Formation

Fauna: Hickman, 1968; 1969; Steere, 1958; 1959
Invertebrates: Dall and Harris, 1892; Gamer, 1971; Hauck, 1962; Hickman, 1968; 1969; Moore, 1976
Archidae: Reinhart, 1943

Eugene Quadrangle

Fauna: Hickman, 1968; 1969

Flora: Schenck, 1927a

Invertebrates: Dall, 1915

Euptelea: Scott and Barghoorn, 1955

Evodia: Gregory, 1976

Exploring Expedition of 1842 see U.S. Exploring Expedition

Fairview-McKinley, Coos Co.

Flora/Fauna: Nelson, 1966

Felidae see Vertebrates/Felidae

Ferns: Arnold, 1964; Arnold and Daugherty, 1963; 1964; Barrington, 1973

Fieldtrips see Guidebooks

Fish

Miller, 1958; 1965

Alsea Fm.: Snavely, et al., 1975

Anacanthin fish: David, 1956

Astoria Fm.: Dana, 1849; Gilmore, 1941

Baker Co.: Cope, 1883c; Mullen, 1978; Uyeno and Miller, 1963

Cenozoic: Uyeno and Miller, 1963

Chalk Butte Fm.: Lundberg, 1975

Clarno Fm.: Cavender, 1968; Lundberg, 1975

Coos Bay, Coos Co.: Steere, 1955

Cowlitz Fm.: Niem, et al., 1973

Deer Butte Fm.: Cavender, et al., 1970; Kimmell, 1975; Dalzell, 1968

Empire Fm.: Steere, 1955

Fossil Lake, Lake Co.: Jordan, 1907; Miller, 1965; Uyeno and Miller, 1963

Grant Co.: Uyeno and Miller, 1963

Plioplarchus: Cope, 1889b

Greenhorn Mtns: Mullen, 1978

Jefferson Co.: Uyeno and Miller, 1963

John Day Fm.: Cope, 1889b; Dall and Harris, 1892

Juntura Basin: Shotwell, 1963

Klamath Lake, Klamath Co.: Miller, 1965

Klamath River Basin: Myers and Newcomb, 1952

Newcomb, 1958

Lost River, Klamath Co.: Jordan, 1907; Uyeno and Miller, 1963

Mascall Fm.: Downs, 1956

Malheur Co.: Cavender, et al., 1970; Dalzell, 1968
Novumbra: Cavender, 1969

Nye Mudstone: Snavely, et al., 1964

Nyssa, Malheur Co.: Brown, 1980

Ochoco Mtns.: Cavender, 1968; Lundberg, 1975

Pittsburg Bluff Fm.: Moore, 1967

Plioplarchus: Cope, 1889b

Silver Lake, Lake Co.: Uyeno and Miller, 1963

Smilodonichthys: Brogan, 1972; Cavender and Miller, 1972

Yaquina Bay, Lincoln Co.: Snavely, et al., 1964

Yonna Fm.: Cavender and Miller, 1972; Newcomb, 1958

Fisher Formation

Flora: Hoover, 1963; Vokes, et al., 1951

Goshen: Chaney and Sanborn, 1933

Vertebrates: Steere, 1958; VanFrank, 1955

Flabellum: Durham, 1943

Flora

Chaney, 1956; Kellogg, et al., 1927; Orr and Orr, 1981; Tidwell, 1975; U.S., B.L.M., 1981; Weaver, 1937; Wolfe and Barghoorn, 1960

Alvord Cr., Harney Co.: Axelrod, 1944; Chaney, 1944a; Walker and Repenning, 1965

Anlauf Quad.: Hoover, 1963

Antelope, Wasco Co.: Peck, 1964

Ashland, Jackson Co.: Brown, 1956; 1959; Chaney, 1936; 1940; Knowlton, 1900

Ashwood, Jefferson Co.: Brown, 1975; Peck, 1964

Astoria Fm.: Dana, 1849

Baker Co.: Gilluly, 1937

Bates Quad.: Mobley, 1956

Bear Cr., Crook/Deschutes Co.: Lowry, 1940

Beulah, Malheur Co.: Brown, 1936a; 1956; Russell, 1903

Bilyeu Cr.: Klucking, 1964

Biostratigraphy: Armentrout, et al., 1981

Birch Cr. Canyon, Umatilla Co.: West, 1961

Blue Mountain: Axelrod, 1966a; Beck, 1945a; Berry, 1929; Brown, 1937; Brown, 1940; Chaney, 1942; 1949b; Chaney and Axelrod, 1959; Gregory, 1972; Oliver, 1934; Smiley, 1963

Bonneville, Hood River Co.: Beck, 1942; Mason, 1927

Bridge Cr.: Axelrod, 1966; Barghoorn, 1951; Beck, 1942; Berry, 1932; Brown, 1935; Brown, 1937a; 1937b; 1940; 1946; 1959; Chaney, 1923; 1924; 1925; 1925d; 1927; 1946; 1952; Newberry, 1882; 1898; Pabst, 1968; Reswig, 1981

Conifers: Mason, 1927

Neidigger Ranch: Mote, 1939

Tillas: LaMotte, 1936a

Flora, cont.

Butte Cr., Marion/Clackamas Co.: Baldwin, 1950;
Durham, et al., 1942; Lowry, 1947; Miller and
Orr, 1983a; Orr and Miller, 1982a; 1983a;
Steere, 1959a; Turner, 1975
Cant's Ranch, Grant Co.: Coleman, 1949; Mason,
1927
Canyon City Quad.: Gregory, 1972
Cape Blanco, Curry Co.: Janda, 1969
Cape Fisheries, Curry Co.: Sullivan, 1970
Carter Cr., Malheur Co.: Arnold, 1936; 1937
Cascades: LeConte, 1873; Lesquereux, 1874;
Newberry, 1855
Clackamas Co.: Gilchrist, 1964; Wolfe, 1954; 1960
Clackamas River basin: Wolfe, 1954
Clarno Fm.:
Acacia: Gregory, 1970
Bear Cr., Crook/Deschutes Co.: Lowry, 1940
Blue Mtns.: Gregory, 1972
Chattawayia: Manchester, 1980
Conifers: Mason, 1927
Crockett Knob, Grant Co.: Nelson, 1956
Cycads: Chaney, 1937; 1946
Euptelea: Scott and Barghoorn, 1955
Evodia: Gregory, 1976
Fruits and seeds: Bones, 1959; 1979; Scott, 1954
Fungi: Scott, 1955
Ginkgo: Mihelcic, 1965; Scott, et al., 1962
Insect bored: Gregory, 1969a
Meliosma: Manchester, 1980a
Mitchell, Wheeler Co.: Peterson, 1964
Mitchell Quad.: Lukanuski, 1963
Osmunda: Miller, 1967
Plantanophyllum: Manchester and Dilcher, 1980
Pterospermum: Manchester, 1980
Sabalites: Gregory, 1969
Tapirira: Manchester, 1977
Triplochiton: Manchester, 1979
Triplochitioxylon: Manchester, 1979
Willow Cr., Morrow Co.: Mendenhall, 1909

Clarno Mammal Quarry see Clarno Mammal Quarry
Clarno Nut Beds see Clarno Nut Beds

Clatsop Co.: Washburne, 1914
Coal Cr., Lane Co.: Knowlton, 1900
Coaledo Fm.: Baldwin, 1961
Coffee Cr. Fm.: Mamay and Read, 1956
Collawash: Gilchrist, 1964; Nafziger, 1972; Wolfe,
1954; 1960; 1969
Columbia Co.: Steere, 1957; Washburne, 1914
Columbia Plateau: Chaney, 1941a; Chaney and
Axelrod, 1954; 1959
Columbia River: Beck, 1948; Hall, 1845a; Knowlton,
1910; Newberry, 1855
Comstock, Lane Co.: Axelrod, 1966; Barghoorn,
1951; Chaney, 1936; 1940; 1946; Knowlton, 1900;
Sanborn, 1934; 1937
Continental Shelf: Buckley, 1968
Coos Bay, Coos Co.: Diller, 1899; 1901; 1908
Coos Co.: Allen and Baldwin, 1944
Corvallis, Benton Co.: Hergert and Phinney, 1954
Cowlitz Fm.: Warren and Norbistrath, 1946; Warren,
et al., 1945
Coyote Butte Fm.: Mamay and Read, 1956
Crook Co.: Gregory, 1969; 1970; 1972; 1976
Crooked River Basin: Chaney, 1927
John Day Fm.: Beck, 1942
Spotted Ridge Fm.: Arnold, 1953
Currant Cr., Jefferson Co.: Newberry, 1898
Curry Co.: Diller, 1908a; Knowlton, 1910b

Dayville, Grant Co.: Axelrod, 1948; Chaney, 1948;
Mason, 1927
Deschutes Co.: Buckley, 1968
Deschutes Fm.: Chaney, 1937a
Douglas Co.: Baldwin, 1974; Diller, 1893; 1908a;
Hoover, 1963; Taliaffero, 1942; Knowlton,
1910a; 1910b; Ward, 1900
Drain Quadrangle: Hoover, 1963
Dugout Cr., Wheeler Co.: Peterson, 1964
Eagle Cr.: Berry, 1929; Brown, 1946; Chaney, 1918;
1920; Chaney and Axelrod, 1959; Lowry, 1947;
Smiley, 1963; Wolfe, 1960; 1969
Cedar: Beck, 1940a; 1942
Conifers: Mason, 1927
Keteleeria: Beck, 1942
Elk Butte, Lake Co.: Forbes, 1935
Elk River, Curry Co.: Fontaine, 1905a; Lowther,
1967; Wolfe, 1969
Elkton Siltstone: Baldwin, 1961
Eugene Quad.: Schenck, 1923
Fisher Fm.: Hoover, 1963; Vokes, et al., 1951
Fossil, Wheeler Co.: Brown, 1959
Fossil Lake, Lake Co.: Buckley, 1968
Glide Quad.: Elphic, 1969
Goshen, Lane Co.: Axelrod, 1966; Barghoorn, 1951;
Brown, 1935; 1959; Chaney, 1940; 1946; Chaney
and Sanborn, 1933; Knowlton, 1914; Lowry, 1947;
Sanborn, 1929
Grande Ronde River, Union Co.: Hampton and Brown,
1964
Gray Butte, Jefferson Co.: Ashwill, 1979
Grays Ranch see Bridge Cr. flora
Harney Co. see Trout Cr. flora
Heppner, Umatilla Co.: West, 1961
Historical aspects: Detling, 1968
Humbog Mtn. Conglomerate: Koch, 1966
Illahe Fm.: Thayer, 1939
John Day Fm.: see John Day Fm./Flora
Jordan Cr., Linn Co.: Klucking, 1964
Juntura Fm.: Bowen, 1956
Klamath Co.: Peterson and McIntyre, 1970
Klamath Falls Quad.: Walker, 1963
Knox Ranch, Wheeler Co.: Arnold, 1952; Peterson,
1964
Lake Co.: Peterson and McIntyre, 1970
Lakeview, Lake Co.: Peterson, 1959
Lane Co. see Rujada flora
Lebanon, Linn Co.: New localities...1944
Lightning Cr., Sumpter Quad.: Read and Brown, 1937
Little Butte Volcanics: Chaney, 1918; Meyer, 1972;
1973; Peck, et al., 1964; Ramp, 1960
Lyons, Linn Co.: Meyer, 1972; 1973
Madras, Jefferson Co.: Chaney, 1937a; Hodge, 1932
Malheur Co. see Sucker Cr. Flora
Mascall Fm.: Axelrod, 1966a; Barghoorn, 1951;
Beck, 1936a; Berry, 1929; 1932; Brown, 1937;
1940; Chaney, 1925a; 1925d; 1927; 1942; 1952;
Knowlton, 1910b; Smiley, 1963
Columbia Plateau: Chaney and Axelrod, 1954; 1959
Conifers: Mason, 1927
Sapindus: LaMotte, 1936
Sequoia: Chaney, 1949b; Chaney and Axelrod, 1954
McCord Cr., Multnomah Co.: Beck, 1940a
Mitchell, Wheeler Co.: Chaney, 1925b; McKnight,
1964
Mitchell Quad.: Howard, 1955; Lukanuski, 1963;
Swarbrick, 1953; Taylor, 1960
Moffatt Cr., Multnomah Co.: Knowlton, 1900
Molalla, Clackamas Co.: Axelrod, 1966b; Chaney and
Axelrod, 1959; Steere, 1959a; Wolfe, 1960; 1969
Molalla Quad.: Harper, 1946
Myrtle Group: Knowlton, 1910a

Flora, cont.

Nehalem River: Warren and Norbistrath, 1946
 Neidigger Ranch, Crook Co.: Mote, 1939
 Ochoco Mtns.: Dubar, 1950
 Oswego, Multnomah Co.: Nye, 1884
 Otter Pt. Fm.: Dott, 1971; Koch, 1966
 Payne Cliffs, Jackson Co.: McKnight, 1970
 Pendleton, Umatilla Co.: Beck, 1945; 1945a
 Picture Gorge Quad.: Coleman, 1949
 Pilot Rock, Umatilla Co.: Elmendorf and Fisk, 1978; West, 1961
 Pittsburg Bluff Fm.: Moore, 1976
 Polk Co.: Stokesbary, 1933
 Port Orford, Curry Co.: Koch, 1966
 Post, Crook Co.: Arnold, 1945; Beck, 1944; Chaney, 1925b
 Powers Quad.: Born, 1963
 Quartz Mtn., Douglas Co.: Ramp, 1960
 Rattlesnake Fm.: Axelrod, 1948
 Riddle, Douglas Co.: Diller, 1908; Fontaine, 1905; 1905a; Stanton, 1895
 Rockville, Malheur Co.: Beck, 1944a; Smith, 1932; 1938; 1938a
 Rocky Pt. Fm.: Koch, 1966
 Rogue River Valley: Detling, 1961
 Roseburg, Douglas Co.: Beck, 1936; Wharton, 1935; 1936a; 1937
 Rujada: Brown, 1959; Gilchrist, 1964; Lakhanpal, 1958; Peck, et al., 1964
 Salem, Marion Co.: Thayer, 1939
 Sardine Fm.: Peck, et al., 1964
 Scio, Linn Co.: Lowry, 1947; Sanborn, 1947
 Snow Peak Quad.: Smith, 1958
 Sparta, Baker Co.: Hoxie, 1965
 Spotted Ridge Fm.: Arnold, 1953; Mamay and Read, 1956; Read and Merriam, 1940
 Stinking Water: Chaney, 1942; 1949b; Chaney and Axelrod, 1959; Hall, 1944; Smiley, 1963;
 Sucker Cr.: Arnold, 1936; 1937; Axelrod, 1966a; Brooks, 1935; Brown, 1936a; 1937b; 1940; Chaney and Axelrod, 1959; Cross, 1971; Eubanks, 1966; Graham, 1962; 1963; 1965; Russell, 1903; Smiley, 1963; Smith, 1940; Taggart, 1971
 Chemical components: Niklas and Giannasi, 1977
Sequoia: Chaney, 1949b
Teredo: Dake, 1942
 Summer Lake, Lake Co.: Buckley, 1968
 Sweet Home, Linn Co.: Beck, 1944; Dake, 1940; Gregory, 1968; Richardson, 1950; Staples, 1950
Prunus: Brown, 1950
Sterculia: Dake, 1969
Trochodendroxylon: Hergert and Phinney, 1954
 The Dalles, Wasco Co.: Chaney, 1941; 1941a; Newberry, 1869; 1898; Smiley, 1963 Thomas Cr., Linn Co.: Eubanks, 1960; 1960a; Klucking, 1964
 Thompson Cr., Douglas Co.: Wharton, 1936
 Tillamook Co.: Washburne, 1914
 Tipton, Grant Co.: Mason, 1927
 Trout Cr., Harney Co.: Arnold, 1935; 1936; 1936a; 1937; Axelrod, 1966a; Berry, 1929; Brown, 1935; 1937b; Chaney and Axelrod, 1959; Graham, 1962; 1963; 1965; LaMotte, 1936; McGintie, 1933; Smiley, 1963
 Troutdale, Multnomah Co.: Chaney, 1944a; 1944b
 Tyee Fm.: Baldwin, 1961; Born, 1963; Vokes, et al., 1951
 Umatilla Co.: Hogenson, 1964
 Umpqua Fm.: Born, 1963
 Umpqua River: Baldwin, 1961; Wharton, 1937
 Umpqua River valley: Detling, 1961
 Vancouver: Newberry, 1868
 Weyerheuser: Wolfe, 1969

Wheeler Co.: Arnold, 1952; 1964; 1970; Arnold and Daugherty, 1963; 1964; Bowers, 1953
 Willamette Junction: Lewis, 1950; Peck, et al., 1964; Vokes, Snively and Myers, 1951
 Willow Cr., Harney Co.: Waring, 1909
 Willow Cr., Morrow Co.: Mendenhall, 1909
 Yamhill Co.: Washburne, 1914
 Floral catalogue: Knowlton, 1898; 1919a; LaMotte, 1952; U.S. B.L.M., 1981
 Floral dating: Evernden and James, 1964
 Floral identification: Beck, 1937
 Floral record:
 Cenozoic: Chaney, 1936c; Wolfe, 1981
 Neogene: Chaney, 1956; 1964; Gamer, 1974; Merriam, 1924; Merriam and Chaney, 1924; Ward, 1889; Wolfe, 1969
 Jurassic: Ward, 1900
 Tertiary: Brown, 1943; Chaney, 1936a; Wolfe and Barghoorn, 1960; Wolfe and Hopkins, 1967
 Flournoy Formation
 Arthropoda: Kooser and Orr, 1973; Orr and Kooser, 1971
 Echinoderms: Orr and Miles, 1978
 Foraminifera: Miles, 1977; 1977a; 1981; Orr and Miles, 1978
 Radiolaria: Miles and Orr, 1977; Orr and Miles, 1978
 Fogarty Cr. see Lincoln Co./Fogarty Cr.

Foraminifera

Beck, 1943; Kleinpell, 1938; Weaver, 1937
 Agate Beach, Lincoln Co.: Cushman, et al., 1947; Herron, 1953
 Agness Quad.: Miles, 1977a; Thoms, 1965
 Alsea Fm.: Rau, 1975; Snively, et al., 1975
 Alsea Siltstone: McKeel, 1971; McKeel and Lipps, 1975; Snively, et al., 1969
 Anlauf Quad.: Hoover, 1963; Miles, 1977a
 Astoria, Clatsop Co.: Niem, et al., 1973; Stewart and Stewart, 1951
 Astoria Fm.: Cushman, et al., 1947; Daugherty, 1951; Dana, 1849; Dodds, 1969; Gonsalves, 1965; Kleinpell, 1938; McKeel and Lipps, 1975; Rau, 1948; Stewart, 1956; Warren, et al., 1945
 Newport, Lincoln Co.: Snively, et al., 1959
 Onion Peak, Clatsop Co.: Smith, 1975
 Svensen Quad.: Dodds, 1963
 Yaquina Bay, Lincoln Co.: Snively, et al., 1964
 Bandon, Coos Co.: Link, 1970
 Bandon Quad.: Miles, 1977a
 Bastendorff Fm.: Cushman and Schenck, 1928; Detling, 1946; 1958; McKeel, 1972; McKeel and Lipps, 1975; Rau, 1964; Schenck, 1927a; Stewart, 1956a; Warren and Newell, 1977
 Coos Co.: Rooth, 1974; Tipton, 1975; Weaver, 1945a
 Benton Co.: Thoms, 1969
 Biostratigraphy: Armentrout, 1981; Armentrout, et al., 1979; 1983; Kilbourne and Gibson, 1979; McDougall, 1977; 1981; McKeel, 1972; 1979; McWilliams, 1968; 1973; 1980
 Blacklock Pt., Curry Co.: Dott, 1962
 Bone Mtn. Quad.: Krans, 1970; Miles, 1977a; Thoms, 1965
 Camas Valley Quad.: Harms, 1957; Miles, 1977a
 Cape Blanco, Curry Co.: Bandy, 1941; 1944; Cushman and Grant, 1927; Dott, 1962; Miles, 1977a; Rau, 1964
 Cape Meares, Tillamook Co.: Turner, 1970
 Cascade Head, Lincoln Co.: Callender, 1977

Foraminifera, cont.

- Cascadia Basin: Duncan, 1968; Griggs, 1968; 1970; Griggs and Kulm, 1970; Griggs, Carey and Kulm, 1968; Griggs, et al., 1970
- Clatsop Co.: Cushman, et al., 1947; Thoms, 1969; Washburne, 1914
- Coaledo Fm.: Baldwin, et al., 1955; Cushman, et al., 1947; Detling, 1946; Link, 1970; McKeel, 1972; McKeel and Lipps, 1975; Rau, 1964; Stewart, 1956a
- Coos Co.: Rau, 1973; Rooth, 1974
- Columbia Co.: Cushman and Schenck, 1928; McKeel, 1979; Thoms, 1969; Warren, et al., 1945; Washburne, 1914
- Continental Shelf: Boettcher, 1967; Bernard and McManus, 1973; Duncan, et al., 1969; Fowler, 1966; 1972; Fowler and Duncan, 1967; Fowler and Muehlberg, 1969; Fowler, et al., 1969; Harman, 1969; Russell, et al., 1967
- Coos Bay, Coos Co.: Baldwin, 1965; Dall, 1909; Diller, 1901; Dott, 1966; Rau, 1970
- Coos Co.: Allen and Baldwin, 1944; Baldwin and Beaulieu, 1973; Cushman and Schenck, 1928; Cushman, et al., 1947; Detling, 1946; 1958; Imlay, et al., 1959; Miles, 1977a; McKeel, 1980; Rau, 1970
- Coquille Quad.: Baldwin, 1965; Miles, 1977a; Thoms, 1965
- Cottage Grove Quad., Lane Co.: Miles, 1977a
- Cowlitz Fm.: Cushman, et al., 1947; Hanna and Hanna, 1924; McDougall, 1977; 1981; Robertson, 1972; Warren and Norbistrath, 1946; Warren, et al., 1945
- Crow Quad., Lane Co.: Miles, 1977a
- Curry Co.: Dott, 1971; Miles, 1977a
- Dallas, Polk Co.: McWilliams, 1973; 1974; Rau, 1974;
- Dallas Quad.: Baldwin, 1964; Gaston, 1974; Thoms, 1965
- Depoe Bay, Lincoln Co.: Daugherty, 1951
- Dixonville Quad.: Thoms, 1965
- Douglas Co.: Baldwin, 1974; 1975; Diller, 1893; Imlay, et al., 1959; McKeel, 1980
- Drain Quad.: Hoover, 1963; Miles, 1972; Thoms, 1965
- Dutchman Butte Quad.: Miles, 1977a
- Ecola Point, Tillamook Co.: Turner, 1970
- Elk River Beds: Bandy, 1941; 1950; Rau, 1970; Stewart, 1956
- Elkton Siltstone: Baldwin, 1961; McKeel and Lipps, 1975; Thoms, 1965; 1975
- Ellendale Quarry, Polk Co.: Baldwin, 1947; Boggs, et al., 1973
- Empire Fm.: Bandy, 1941; Rau, 1970
- Empire Quad.: Miles, 1977a; Thoms, 1965
- Euchre Mtn. Quad.: Snively and Baldwin, 1948
- Eugene Fm.: Hickman, 1968; 1969; Steere, 1959
- Fairview-McKinley, Coos Co.: Nelson, 1966
- Flournoy Fm.: Miles, 1977; 1977a; 1981; Orr and Miles, 1978
- Gales Cr., Washington Co.: Robertson, 1972
- Galice Fm.: Koch, 1966
- Glide Quad.: Miles 1977a; Thompson, 1968; Thoms, 1965
- Gries Ranch Beds: Durham, 1944
- Heceta Bank: Fowler and Muehlberg, 1969
- Helmick Hill, Polk Co.: Cushman, et al., 1947
- Humbug Mtn. State Park, Curry Co.: Koch, et al., 1961
- Hunters Cove Fm.: Dott, 1971
- Keasey Fm.: Cushman and Schenck, 1928; Deacon, 1953; Durham, 1944; Lawler, 1976; McDougall, 1975; 1977; 1981; Rau, 1964; Robertson, 1972; VanAtta, 1971; Warren and Norbistrath, 1946; Warren, et al., 1945; Zullo, 1964
- Lagoons: Fowler, et al., 1968
- Lane Co.: McKeel, 1980
- Langlois Quad.: Miles, 1977a
- Lincoln Co.: Thoms, 1969
- Linn Co.: Thoms, 1969
- Lookingglass Fm.: Baldwin and Beaulieu, 1973; Miles, 1977; 1977a; 1981; Orr and Miles, 1978
- Marion Co.: Thoms, 1969
- Martin Bridge Fm.: Newton, 1982
- Mary's Peak Quad.: Thoms, 1965
- Mitchell Quad.: Howard, 1955
- McMinnville Quad.: Baldwin, et al., 1955
- Multnomah Co.: Thoms, 1969
- Myrtle Fm.: Bandy, 1941; Imlay, et al., 1959
- Myrtle Point, Coos Co.: Baldwin, 1969
- Nehalem River: VanAtta, 1971; Warren and Norbistrath, 1946
- Nestucca Fm.: Baldwin, et al., 1955; McKeel, 1971; McWilliams, 1968; Rau, 1964
- Newport, Lincoln Co.: Packard and Kellogg, 1934; Snively, et al., 1969
- Nye Mudstone: Heacock, 1952; Kleinpell, 1938; McKeel and Lipps, 1975; Murata, et al., 1967; 1969; Packard and Kellogg, 1934; Snively, et al., 1959; 1964; Stewart, 1956
- Onion Peak, Clatsop Co.: Smith, 1975
- Pacific Coast: Berry, 1974; Kleinpell, 1938; Knappe, 1974; Nayudu, 1964; Schenck and Kleinpell, 1936
- Pittsburg Bluff Fm.: Durham, 1944; Moore, 1976
- Polk Co.: Boggs, et al., 1973; Stokesbary, 1933; Thoms, 1969
- Port Orford, Curry Co.: Koch, 1966
- Port Orford Fm.: Bandy, 1950; Stewart, 1956
- Powers Quad.: Born, 1963; Miles, 1977a; Thoms, 1965
- Rock Cr., Columbia Co.: McDougall, 1975
- Rock Pt. Fm.: Deacon, 1953
- Roseburg Fm.: Baldwin and Beaulieu, 1973; Miles, 1977; 1977a; 1981
- Roseburg Quad.: Johnson, 1965; Miles, 1977a; Orr and Miles, 1978; Thoms, 1965
- Sacchi Beach, Coos Co.: Baldwin, et al., 1955
- Sheridan Quad.: Baldwin, et al., 1955; Robertson, 1972
- Shore Acres St. Park, Coos Co.: Rooth, 1974
- Siletz River Volcanics: Baldwin, 1964; Baldwin, et al., 1955; Cox, 1957; Gamer, 1971; McWilliams, 1968; Thoms, 1965
- Dallas Quad.: Gaston, 1974
- Newport, Lincoln Co.: Snively, et al., 1969
- Salem, Marion Co.: Steere, 1959
- Valsetz Quad.: Snively and Baldwin, 1948; McKeel and Lipps, 1975
- Sitkum Quad.: Miles, 1977a; Thoms, 1965
- Snake River Canyon: Newton, 1982
- Spencer Fm.: Cushman, et al., 1947; McWilliams, 1968; Vokes, et al., 1951
- Spirit Mtn. Quad.: Baldwin and Roberts, 1952
- Sumpter Quad.: Pardee and Hewett, 1941
- Sunset Bay, Coos Co.: Cushman, et al., 1947; Detling, 1958
- Sutherlin Quad.: Miles, 1977a; Thoms, 1965
- Svensen Quad.: Dodds, 1963
- Tillamook Co.: Washburne, 1914
- Tillamook Volcanics: Baldwin, 1964; Warren, et al., 1945

Foraminifera, cont.

Timber Quad.: Deacon, 1953
Toledo Fm.: Cushman, et al., 1947; McWilliams, 1968; Rau, 1964; Stewart, 1956a Tyee Fm.: Baldwin, 1961; Bird, 1967; Hoover, 1963; McKeel, 1971; McKeel and Lipps, 1975; McWilliams, 1968; Rau, 1974; Stewart, 1956a; Thoms, 1975
Fairview McKinley, Coos Co.: Nelson, 1966
Glide Quad.: Thompson, 1968
Newport, Lincoln Co.: Snively, et al., 1959
Powers Quad.: Born, 1963
Tyee Quad.: Thoms, 1965
Umpqua Fm.: Baldwin, 1961; 1969; Born, 1963; Hoover, 1963; McKeel and Lipps, 1975; Nelson, 1966; Stewart, 1957; Thoms, 1964; 1965; 1975; Thompson, 1968
Valsetz Quad.: Baldwin, 1964; Snively and Baldwin, 1948
Vernonia Quad.: Deacon, 1953
Washington Co.: Thoms, 1969
Wheeler Co.: Bowers, 1953
Whitsett Limestone: Imlay, et al., 1959; Johnson, 1965
Willamette Basin: Newton, 1969
Yamhill Co.: Washburne, 1914
Yamhill Fm.: Baldwin, 1964; Baldwin, et al., 1955; Rau, 1964; 1974; Stewart, 1957
Dallas, Polk Co.: McWilliams, 1973; 1974; Steere, 1959
Dallas Quad.: Gaston, 1974
Sheridan Quad.: Gaston, 1974
Newport, Lincoln Co.: Snively, et al., 1969
Yamhill, Yamhill Co.: McKeel and Lipps, 1975
Salem, Marion Co.: Steere, 1959
Yaquina Bay, Lincoln Co.: Heacock, 1952; Murata, et al., 1967; 1969; Snively, et al., 1964
Yaquina Fm.: McKeel, 1971; McKeel and Lips, 1975; Rau, 1964; Robertson, 1972; Snively, et al., 1969; Stewart, 1956a
Yokam Pt., Lincoln Co.: Cushman, et al., 1947
Foraminiferal research: Rau, 1977; 1981
Fort Rock Fm.
Diatoms: Hampton, 1964
Fort Rock Lake, Lake Co.: Brogan, 1973

Fossil Point, Coos Co. see Coos Co., Fossil Point

Fossil soils: Retallack, 1981

Freshwater invertebrates see Invertebrates, Freshwater

Fulica minor: Brodtkorb, 1964

Fusulinids:

Baker Co.: Bostwick and Koch, 1962; Bostwick and Nestell, 1967; Dubar, et al., 1960
Blue Mtns.: Brooks, 1979
Central Oregon: Bostwick, 1963
Clover Cr. Greenstone: Bostwick and Nestell, 1962; Dubar, et al., 1960; Ketner, 1967
Coyote Butte Fm.: Bostwick and Nestell, 1965; 1967; Dubar, et al., 1960; Ketner, 1967; Ogren, 1958; Wardlaw, et al., 1982; Wilde, 1971
Crook Co.: Bostwick and Nestell, 1967; Ketner, 1967; Ogren, 1958
Elkhorn Ridge Argillite: Bostwick and Koch, 1962; Brooks, 1979; Coward, 1982; Dubar, et al., 1960; Ketner, 1967; Mullen and Sarewitz, 1983; Nelson, 1956; Taliaferro, 1942
Grant Co.: Bostwick and Nestell, 1965; 1967; 1968
Grindstone Cr., Crook Co.: Wardlaw, et al., 1982

Izee, Grant Co.: Dickinson and Vigrass, 1965
John Day, Wheeler Co.: Bostwick, 1868
Madras, Jefferson Co.: Thompson and Wheeler, 1941
Mitchell Quad.: Taylor, 1960; Wilkinson and Oles, 1968
Pacific Coast: Nestell, 1980
Sumpter Quad.: Pardee and Hewett, 1941
Sumpter Valley, Baker Co.: Nelson, 1956; Taubeneck, 1955; Yochelson, 1961
Suplee, Crook Co.: Dickinson and Vigrass, 1965; Skinner, 1971; Skinner and Wilde, 1966

Gable Creek Formation

Invertebrates: Wilkinson and Oles, 1968
Galeodea: Durham, 1942a
Galice Formation
Foraminifera: Koch, 1966
Invertebrates: Hixson, 1965; Koch, 1966
Galice Quadrangle
Invertebrates: Elphic, 1969
Gastropods: Astoria Fm.: Colbath, 1981
Geochelone: Fry, 1973
Geologic history: Adams, 1934; Allen, 1939; Baldwin, 1976; Buwalda, 1926-1927; Condon, 1902; 1910; McCornack, 1912; 1916; 1920; Snively and Wagner, 1963
Geology, General: Baldwin, 1976; Ekman and Phillips, 1962; Orr and Orr, 1981; Smith and Packard, 1919; Weaver, 1945
Geomyidae: Rensberger, 1968; 1971; 1973; Shotwell, 1967
Gilliam County
Fish: Cavender, et al., 1972; Uyeno and Miller, 1963
Vertebrates: Hutchinson, 1968
Gilliam Co., Arlington
Vertebrates: Beck, 1940; Fry, 1973; Hutchinson, 1968
Gilliam Co., Krebs Ranch
Fauna: Shotwell, 1963; 1963a
Vertebrates: Hutchinson, 1968; Shotwell, 1958a; 1967
Ginkgo: Beck, 1936; Mihelcic, 1965
Glide Quadrangle
Flora: Elphic, 1969
Foraminifera: Miles, 1977a; Thoms, 1965
Invertebrates: Elphic, 1969; Harper, 1983
Glyptostrobus: Brown, 1936a
Gomphotherium: Downs, 1952
Gophers see: Vertebrates/Geomyidae
Goshen Flora see Flora, Goshen

Grande Ronde River, Union Co.

Flora: Hampton and Brown, 1964

Grant County

Conodonts: Mullen, 1978
Corals: Lupher, 1929; 1930; Mullen, 1978
Diatoms: Baldwin, 1946; Lohman, 1936; Moore, 1937; Wagner, 1969
Fish: Mullen, 1978
Fusulinids: Bostwick and Nestell, 1965; 1967; 1968; Dickinson and Vigrass, 1965; Skinner, 1971; Skinner and Wilde, 1966
Invertebrates: Dickinson and Vigrass, 1965; Imlay, 1968; 1973; 1981; Lupher, 1941; Peterson, 1963; Wagner, 1958
Cretaceous: Popenoe, et al., 1961
Lupherella: Imlay, 1968
Nautiloids: Kummel, 1954
Snowshoe Fm.: Taylor, 1977; 1977a

Grant Co., cont.

- Vertebrates: Cope, 1879e; 1886b; Downs, 1956
Artiodactyla: Colbert, 1938
Camelidae: Lull, 1921
Chalicotheriidae: Coombs, 1978
Equidae: Cope, 1886; Gidley, 1906
Hippidium: Cope, 1880c
Hippotherium: Cope, 1889c
Oreodon: Grimes, 1899
Reptilia: Turtle: Hay, 1903; 1908
Ursidae: Merriam, et al., 1916
- Grant Co., Austin
Diatoms: Lohman, 1936; Moore, 1937
- Grant Co., Cant's Ranch
Flora: Coleman, 1949; Mason, 1927
- Grant Co., Cottonwood Cr.
Vertebrates: Matthew, 1899; Thorpe, 1922; 1922a; Wood, 1935
- Grant Co., Crockett Knob
Flora: Nelson, 1956
- Grant Co., Dayville
Fish: Uyeno and Miller, 1963
Flora: Axelrod, 1948; Chaney, 1948; Mason, 1927
Invertebrates: Packard, 1929; 1929a; Packard and Lupher, 1929
- Grant Co., Greenhorn Mtns.
Fauna: Mullen, 1978
- Grant Co., Izee
Fusulinids: Dickinson and Vigrass, 1965
Invertebrates: Hallam, 1965; Dickinson and Vigrass, 1965; Imlay, 1964; 1968; 1973; 1981; Lupher, 1929; 1930; Smith, 1976; 1980; 1981; Taylor, 1982
Radiolaria: Blome, 1981; 1983; Pessagno and Blome, 1980; 1982; Pessagno and Whalen, 1982
- Grant Co., John Day Basin see John Day Basin
- Grant Co., John Day Fm.
Vertebrates: Cope, 1879e; 1889b
- Grant Co., John Day River see John Day River
- Grant Co., Joseph
Invertebrates: Imlay, 1967
- Grant Co., Payette Fm.
Flora: Chaney, 1922
- Grant Co., Rattlesnake Cr.
Vertebrates: Downs, 1956; Sinclair, 1906; Stirton, 1940
- Grant Co., Rudio Cr.
Vertebrates: Stirton and Rensberger, 1964
- Grant Co., Tipton
Diatoms: Lohman, 1946
Flora: Mason, 1927
- Grant Co., Turtle Cove
Vertebrates: Merriam and Sinclair, 1907
Canidae: Thorpe, 1922a
Felidae: Eaton, 1922
Eporeodon: Thorpe, 1921
Nimravus: Toohey, 1959
Oreodontidae: Schultz and Falkenbach, 1968
Promerycochoerus: Thorpe, 1921a
Sciuridae: Black, 1963
- Grant Co., Vinegar Hill
Flora/Radiolaria: Wheeler, 1976; 1982
- Grassy Ridge Formation
Invertebrates: Vallier, 1967; Vallier, et al., 1970
- Gray Ranch Flora see Flora, Bridge Creek
- Graylock Formation
Radiolaria: Pessagno and Whalen, 1982

Gries Ranch Formation

- Corals: Durham, 1942
Foraminifera: Durham, 1944
Invertebrates: Durham, 1944; Hickman, 1968; 1969; Warren, et al., 1945; Wilkinson, et al., 1946
- Guano Lake, Lake Co.
Vertebrates: Mawby, 1960; Repenning, 1967a
Guidebooks: Chaney, 1932; Niem, et al., 1973; Wilkinson, 1959

Hancock, Lon: Brogan, 1960; Hewitt, 1962; Oberson, 1979

Hancock Mammal Quarry: Hansen, 1973

Haplomys: Rensberger, 1975

Haploparia: Feldmann, 1974

Harney County

- Corals: Kleweno and Jeffords, 1961
Diatoms: Baldwin, 1946; Hanna, 1933; Moore, 1937; Wagner, 1969
Invertebrates: Dickinson and Vigrass, 1965; Imlay, 1973; 1981; Kleweno and Jeffords, 1961; Wagner, 1958
Invertebrates, Freshwater: Henderson, 1929
Vertebrates: Black, 1963; Hutchinson, 1968
- Harney Co., Alvord Cr.
Flora: Axelrod, 1944; Chaney, 1944a; Walker and Repenning, 1965
- Harney Co., Bartlett Mtn.
Vertebrates:
Fauna: Shotwell, 1963;
Rodentia: Shotwell, 1967; 1967a
Talpidae: Hutchinson, 1968
- Harney Co., Beatys Butte
Vertebrates: Walker, 1960; Walker and Repenning, 1965; Wallace, 1946
Oreolagus: Dawson, 1956
Talpidae: Hutchinson, 1968
- Harney Co., Burns
Invertebrates: Washburne, 1903
- Harney Co., Drinkwater
Fauna: Shotwell, 1963a
- Harney Co., Harney Lake
Invertebrates, Freshwater: Henderson, 1929
- Harney Co., Otis Basin
Diatoms: VanLandingham, 1967
Vertebrates:
Fauna: Shotwell, 1963; 1963a
Rodentia: Shotwell, 1967
Talpidae: Hutchinson, 1968
- Harney Co., Silvies River
Invertebrates: Hertlein, 1925; Packard and Lupher, 1921; Packard and Nelson, 1921
- Harney Co., Stinking Water
Flora: Chaney, 1942; 1949b; Chaney and Axelrod, 1959; Hall, 1944
Pollen: Martin, 1962
Vertebrates: Hall, 1944
- Harney Co., Trout Cr. Flora see Flora, Trout Creek
- Harney Co., Willow Cr.
Flora: Waring, 1909
- Harney Lake
Invertebrates, Freshwater: Henderson, 1929
- Harper, Malheur Co. see Malheur Co., Harper
- Haystack Valley, Wheeler Co. see Wheeler Co., Haystack Valley
- Hebo Quadrangle
Marine Vertebrates: Welton, 1974
- Heceta Bank
Diatoms: Fowler, et al., 1971
Foraminifera: Fowler and Muehlberg, 1969

- Hemipsalodon: Mellett, 1969
Heptranchias: Welton, 1974
Hexaphyllia: Sada and Danner, 1973
Hippidium: Cope, 1880c
Heterosorex: Mawby, 1960
Hipparion: Merriam, 1915; 1916
Hippotherium: Cope, 1889c
Hood River County
 Flora: Beck, 1942; Mason, 1927
Hoplophonus: Cope, 1879a
 Hornbrook Formation
 Invertebrates: McKnight, 1970; Peck, et al., 1956;
 Peterson, 1967a; Ward and Westerman, 1977
 Horses see Vertebrates/Equidae
 Hudspeth Formation
 Invertebrates: Wilkinson and Oles, 1968
 Vertebrates: Lawson, 1975
 Humbug Mountain Conglomerate
 Flora: Koch, 1966
 Invertebrates: Baldwin and Beaulieu, 1953; Dott,
 1971; Koch, 1966
 Hunsaker Cr. Formation
 Invertebrates: Vallier, 1967; Vallier, et al.,
 1970
 Hunters Cove Formation
 Invertebrates/Foraminifera: Dott, 1971
 Huntington Quadrangle
 Invertebrates: Beeson, 1955; Imlay, 1973
 Hurwall Formation
 Invertebrates: Imlay, 1968; Smith and Allen, 1941
Hydrangea: Knowlton, 1901
Hydrotheriakornis: Miller, 1931
Hypotemnodon: Eyerman, 1896
Hyrachyus: Stirton, 1944
 Illahe Formation
 Invertebrates/Flora: Mundorff, 1939; Thayer, 1939
 Imnaha Formation
 Invertebrates: Vallier, 1967
 Insects: Cockerell, 1927; Gregory, 1969a
Invertebrates
 Kleinpell, 1938; Lupher, 1941; Orr and Orr, 1981;
 Turner, 1938; U.S., B.L.M., 1981; Weaver, 1945
 Cenozoic: Weaver, et al., 1944
 Cretaceous: Anderson, 1938; Popenoe, et al.,
 1961
 Formations: Beaulieu, 1971; 1972
 Tertiary: Weaver, 1937; 1942
 Agate Beach Formation: Herron, 1953
 Albany, Benton Co.: White, 1885; White, 1889
 Albany Quad.: Allison, 1953
 Albian Sea: Jones, 1960
 Alsea Fm.: Moore, 1976; Snavely, et al., 1975
 Aforia: Javipour, 1973
 Anlauf Quad.: Hoover, 1963
 Arago Fm.: Hannibal, 1915; Weaver, 1945a
 Ashland:
 Nipponites: Ward and Westerman, 1977
 Pinna: Packard and Jones, 1965
 Astoria, Clatsop Co.: Dodds, 1963; Howe, 1926;
 Shumard, 1858; Trumbull, 1958; White, 1889
 Astoria Formation: Addicott, 1966; Anderson, 1914;
 Condon, 1880; Conrad, 1848; 1853; 1865; 1865a;
 1866; 1909; Dall, 1891; 1909; Dall and Harris,
 1892; Dana, 1849; Dodds, 1969; Emerson, 1958;
 Kleinpell, 1938; Moore, 1963; Palmer, 1927;
 True, 1909; Warren, et al., 1945; Wilkinson,
 1959
 Acila: Addicott, 1976a
 Archidae: Reinhart, 1943
 Beverly Beach State Pk. Lincoln Co.: Colbath,
 1981
 Cape Blanco, Curry Co.: Durham, 1953
 Clatsop Co.: Howe, 1922a
 Coos Bay, Coos Co.: Parker, 1949
 Depoe Bay, Lincoln Co.: Daugherty, 1951
 Lincoln Co.: Howe, 1922a, 1926; Snavely and
 Vokes, 1949
 Newport, Lincoln Co.: Moore, 1971; Nomland,
 1917; Vokes, et al., 1949
 Onion Peak, Clatsop Co.: Smith, 1975
 Solemyacidae: Vokes, 1955
 Svensen Quad.: Dodds, 1963
Thracia: Dall, 1915
 Tillamook Co.: Snavely and Vokes, 1949
 Vancouver Island: Reagan, 1910
 Yaquina Bay, Lincoln Co.: Snavely, et al., 1964
 Baker Co.: Bostwick and Nestell, 1962; Dubar, et
 al., 1960; Gilluly, 1937; Imlay, 1973; Wagner,
 1958
 Bandon, Coos Co.: Ehlen, 1969; Terry, 1968; Zullo,
 1969
 Bastendorff Fm.: Schenck, 1927a; Weaver, 1945a
 Bates Quad., Grant Co.: Mobley, 1956
 Bear Cr., Jackson Co.: Packard, 1921a
 Beaver Cr., Crook Co.: Lupher, 1927; Packard, 1932
 Rudistids: Lupher and Packard, 1930; Packard and
 Lupher, 1930
 Benton Co.: Hendon, 1926
 Beverly Beach State Park, Lincoln Co.: Colbath,
 1981
 Blacklock Pt., Curry Co.: Baldwin, 1961a; Dott,
 1962; Peterson, 1967a
 Blue Mountains: Brooks, 1979; Marsh, 1895; Mullen,
 1983; Mullen and Sarewitz, 1983; Smith, 1927
 Brogan Quad., Malheur Co.: Fouch, 1968
 Brownsville Quad.: Hauck, 1962
 Burns, Harney Co.: Washburne, 1903
 Butte Creek, Marion/Clackamas Co.: Durham, et al.,
 1942; Baldwin, 1950; Miller and Orr, 1983;
 1983a; Orr and Miller, 1982; 1982a; 1983a;
 Steere, 1959a; Turner, 1975
 Camas Valley Quad.: Harms, 1957
 Cannon Beach Quad.: Allison and Addicott, 1976
 Cape Arago, Coos Co.: Dall, 1915; Diller, 1893;
 Ehlen, 1967; White, 1889
 Cape Blanco, Curry Co.: Addicott, 1964; 1980;
 Allison, et al., 1962; Armentrout, 1978; Arnold
 and Hannibal, 1913; Bandy, 1941; Dott, 1962;
 Durham, 1953 Janda, 1969; Menzies, 1792; Zullo,
 and Chivers, 1969
 Catalogue: Trumbull, 1958
 Elk River Beds: Clifton and Boggs, 1970;
 Richards and Thurber, 1966
 Empire Fm.: Allison and Adicott, 1976; Durham,
 1953; Martin, 1916
 Cape Lookout State Park, Tillamook Co.: Magnus,
 1967
 Cape Sebastian, Curry Co.: Peterson, 1967a
 Cape Sebastian State Park, Curry Co.: Howard and
 Dott, 1961
 Chetco River, Curry Co.: Ramp, 1960
 Clatsop Co.: Howe, 1922a; Washburne, 1914
 Clover Cr. Greenstone: Bostwick and Nestell, 1962;
 Dubar, et al., 1960
 Coaldeo Fm.: Baldwin, 1961; Rooth, 1974; Steere,
 1955; Turner, 1938; Schenck, 1927a
 Coffee Cr. Fm.: Ogren, 1958; Walters, 1965

Invertebrates, cont.

Columbia Co.: Clark, 1925; Steere, 1957; Warren, et al., 1945; Washburne, 1914; Zullo, 1964
Acila: Schenck, 1933
Galeodea: Durham, 1942a
Phanerolepida: Hickman, 1972; Walters, 1973
Columbia River: Bailey, 1845; Conrad, 1848; 1853; 1909
Comstock, Douglas Co.: Sanborn, 1934
Coon Hollow Formation: Morrison, 1964
Coos Bay, Coos Co.: Anderson, 1938; Armentrout, 1967; 1978a; Arnold and Hannibal, 1913; Baldwin, 1966; Diller, 1893; 1901; Dott, 1966; Duncan, 1953; James, 1956; Schenck, 1927a; Shumard, 1858; White, 1889
Catalogue: Trumbull, 1958
Coaledo Fm.: Rooth, 1974; Steere, 1955
Empire Fm.: Allison and Addicott, 1976; Howe, 1922; James, 1950; Parker, 1949; Steere, 1955
Coos Conglomerate: Dall, 1890
Coos County: Addicott, 1981; Allen and Baldwin, 1944; Armentrout, 1975; Baldwin, 1961; Baldwin and Beaulieu, 1973; Hendon, 1926; Imlay, et al., 1959; Peterson and Mason, 1958; Schenck, 1927a; Thoms, 1965
Astoria Fm.: Moore, 1963; Parker, 1949
Coquille Fm.: Baldwin, 1950a
Cornucopia Quad.: Waterhouse, 1968
Cowlitz Fm.: Warren, et al., 1945
Columbia Co.: Niem, et al., 1973; VanAtta, 1971
Eocene: Turner, 1938
Nehalem River: Warren and Norbistrath, 1946
St. Helens Quad.: Wilkinson, et al., 1946
Timber Quad.: Hickman, 1974
Coyote Butte Fm.: Cooper, 1957; Dubar, et al., 1960; Ogren, 1958; Walters, 1965
Crook Co.: Dickinson and Vigrass, 1965; Imlay, 1973; Ogren, 1958; Peterson, 1963; Popenoe, et al., 1961
Crooked River: Gabb, 1869; Meek, 1864; Packard, 1921a; Washburne, 1903
Curry Co.: Addicott, 1981; Imlay and Jones, 1970; Imlay, et al., 1959; Popenoe, et al., 1961
Dallas, Polk Co.: Schenck and Turner, 1935; Steere, 1959
Dallas Quad.: Baldwin, 1964
Dayiceras: Smith, 1983
Days Creek, Douglas Co.: Jones, et al., 1969
Days Creek Fm.: Hixson, 1965
Dayville, Grant Co.: Packard, 1929; 1929a; Packard and Lupher, 1929
Delintment Lake Quad.: Imlay, 1968; 1973
Depoe Bay, Lincoln Co.: Daugherty, 1951
Deschutes River Basin: Bailey, 1845; Ehrenberg, 1850; Hodge, 1932
Dixonville Quad.: Champ, 1969; Hixson, 1965
Donovan Fm.: Lupher, 1941; Packard and Nelson, 1921
Dothan Fm.: Diller, 1907; Dott, 1962; 1971; Ramp, 1969
Douglas County: Baldwin, 1974; 1975; Diller, 1893; 1900; 1907; Hendon, 1926; Hoover, 1963; Imlay, et al., 1959; Knowlton, 1910a; Peterson, 1963; Peterson and Mason, 1958; Thoms, 1965
Ammonites: Imlay and Jones, 1970
Cretaceous: Popenoe, et al., 1961
Drain Quad.: Hoover, 1963
Eagle Cr., Baker Co.: Lindgren, 1901; Smith, 1912
Elk River, Curry Co.: Anderson, 1938
Elk River Beds: Baldwin, 1950a; Bandy, 1941; Clifton and Boggs, 1970

Elkton Siltstone: Baldwin, 1961; Thoms, 1965; 1975
Elkhorn Ridge Argillite: Bostwick and Nestell, 1962; Brooks, 1979; Dubar, et al., 1960; Thoms, 1975
Ellendale Quarry, Polk Co.: Baldwin, 1947; 1964; Steere, 1959
Empire Fm.: Armentrout, 1967; Arnold and Hannibal, 1913; Bandy, 1941; Dall, 1897; 1909; Diller, 1903; Schenck, 1927a; True, 1909; Wilkinson, 1959
Bandon: Ehlen, 1967
Cape Blanco, Curry Co.: Addicott, 1980; Durham, 1953
Coos Bay, Coos Co.: Dall, 1909; Howe, 1921; 1922; James, 1950; Parker, 1949; Schenck, 1928; Steere, 1955; Weaver, 1945a
Enterprise, Wallowa Co.: Imlay, 1967; 1968
Environmental indicators: Durham, 1950
Eugene, Lane Co.: Dall, 1915; Ruff, 1946
Eugene Fm.: Dall and Harris, 1982; Gamer, 1971; Hauck, 1962; Hickman, 1968; 1969; Moore, 1976; Reinhart, 1943; Schenck, 1927a; Steere, 1958; 1959
Eugene Quad.: Hickman, 1968; 1969; Schenck, 1923
Fairview-McKinley, Coos Co.: Nelson, 1966
Floras Lake, Curry Co.: Addicott, 1980; Baldwin, 1961a
Fogarty Cr., Lincoln Co.: Simon and Reed, 1945
Fossil Point, Coos Co.: Dall, 1909; Hertlein, 1965; Terry, 1968; True, 1909
49 Mine, Jackson Co.: Lupher, 1927; Nomland, 1916; Reagan, 1924
Rudistids: Lupher and Packard, 1930; Packard and Lupher, 1930
Gable Cr. Fm.: Wilkinson and Oles, 1968
Galice Fm.: Hixson, 1965
Galice Quad.: Elphic, 1969
Gillespie Butte, Lane Co.: Staples, 1965
Glide Quad.: Elphic, 1969; Harper, 1983
Grant Co.: Dickinson and Vigrass, 1965; Imlay, 1969; 1973; 1981; Kummel, 1954; Lupher, 1941; Peterson, 1963; Taylor, 1977; 1977a; Wagner, 1958
Cretaceous: Popenoe, et al., 1961
Greenhorn Mtns.: Mullen, 1978
Lupherella: Imlay, 1967
Grassy Ridge Fm.: Vallier, 1967; Vallier, et al., 1970
Grave Cr., Jackson Co.: Jones, 1960; Peck, et al., 1956
Gries Ranch Fm.: Durham, 1944; Hickman, 1968; 1969; Warren, et al., 1945; Wilkinson, et al., 1946
Grindstone Cr., Crook Co.: Packard, 1932
Harney Co.: Dickinson and Vigrass, 1965; Imlay, 1973; 1981; Kleweno and Jeffords, 1961; Wagner, 1958
Helmick Hill, Polk Co.: Mundorff, 1939
Holmes Gap, Polk Co.: Mundorff, 1939
Homestead, Baker Co.: Vallier, et al., 1970
Hornbrook Fm.: McKnight, 1970; Peck, et al., 1956; Peterson, 1967a
Hudspeth Fm.: Wilkinson and Oles, 1968
Humbug Mtn. Conglomerate: Baldwin and Beaulieu, 1973; Dott, 1971; Koch, 1966
Humbug Mtn. State Park, Curry Co.: Koch, et al., 1961
Hunsaker Cr. Fm.: Vallier, 1967; Vallier, et al., 1970
Hunters Cove Fm.: Dott, 1971
Huntington, Baker Co.: Wagner, et al., 1963
Huntington Quad.: Beeson, 1955; Imlay, 1973

Invertebrates, cont.

- Hurwall Fm.: Imlay, 1968; Smith and Allen, 1941
 Illahe Fm.: Mundorff, 1939; Thayer, 1939
 Imhaha Fm.: Vallier, 1967
 Izee, Grant Co.: Hallam, 1965; Dickinson and Vigrass, 1965; Imlay, 1964; 1968; 1973; 1981; Lupher, 1929; 1930; Smith, 1976; 1980; 1981; Taylor, 1972
 John Day Fm.: Buwalda, 1927; Dall and Harris, 1892
 Jackson Co.: Diller, 1900; McKnight, 1970; Peterson, 1963; Peterson and Mason, 1958
 Cretaceous: Popenoe, et al., 1961
 Jacksonville, Jackson Co.: Meek, 1864; Peck, et al., 1956; White, 1889
 Josephine Co.: Imlay, et al., 1959; Peterson and Mason, 1958; Popenoe, et al., 1961
 Judkins Pt., Lane Co.: Staples, 1965
 Juniper Mtn., Malheur Co.: Fouch, 1968; Wagner, et al., 1963
 Keasey Fm.: Armentrout, 1973; Deacon, 1953; Durham, 1944; Hickman, 1968; 1969; 1975; 1976; Moore, 1976; Moore and Vokes, 1953; Niem, et al., 1973; Van Atta, 1971; Warren, et al., 1945
Acila: Schenck, 1933
 Columbia Co.: Zullo, 1964
Galeodea: Durham, 1942a
 Nehalem River: Warren and Norbistrath, 1946
Phanerolepida: Hickman, 1972; Walters, 1973
Turridae: Hickman, 1975; 1976
 Keasey Quad.: Deacon, 1953
 Klamath Co.: Myers and Newcomb, 1952
 Klamath Falls Quad.: Walker, 1963
 Klamath Mtns.: Diller, 1902; Geological Survey Research, 1968
 Lane Co.: Clark, 1925; Diller, 1900; Hendon, 1926
 Lincoln Co.: Addicott, 1966; Javipour, 1973
 Astoria Fm.: Howe, 1922a; Moore, 1963; Steere, 1964
 Linn Co.: Allison, 1953
 Little River, Douglas Co.: Packard, 1923
 Logdell Quad.: Imlay, 1968; 1973
 Lonesome Fm.: Dickinson and Vigrass, 1965; Imlay, 1964; 1981
 Lookingglass Fm.: Haq, 1975
Matriniae: Packard, 1912; 1916
 Madras Quad.: Hodge, 1940
 Malheur Co.: Imlay, 1973; Taylor, 1960; Wagner, 1958
 Marquam Quarry: Clackamas Co.: Steere, 1959a
 Martin Bridge Fm.: Mullen, 1983; Newton, 1982; Smith and Allen, 1941; Vallier, 1967
 McMinnville Quad.: Baldwin, et al., 1955; Hickman, 1968; 1969
 Medford, Jackson Co.: Peterson, 1967a
 Mitchell, Wheeler Co.: McKnight, 1964; Washburne, 1903
 Mitchell Quad.: Howard, 1955; Swarbrick, 1953; Taylor, 1960; Wilkinson and Oles, 1968
Engonoceras: Packard, 1956
Pinna: Packard and Jones, 1965
 Molalla, Clackamas Co.: Steere, 1959a
 Molalla Quad.: Harper, 1946
 Mowich Group: Dickinson and Vigrass, 1965; Imlay, 1968; Lupher, 1941
 Mt. Hebo, Yamhill Co.: Vokes, 1956
 Mt. Hood: Bailey, 1845
 Myrtle Pt., Coos Co.: Baldwin, 1969
 Multnomah Co.: Clark, 1925
 Myrtle Group: Diller, 1907; Hixson, 1965; Imlay, et al., 1959; Jones, 1969; Knowlton, 1910a; Roseburg Quad.: Johnson, 1965
 Myrtle Point, Coos Co.: Baldwin, 1969
 Nehalem River: Deacon, 1953; VanAtta, 1971; Warren and Norbistrath, 1946
 Nestucca Fm.: Baldwin, et al., 1955; Baldwin and Roberts, 1952
 Newport, Lincoln Co.: Addicott, 1976a; Baldwin, 1950a; Moore, 1971; Nomland, 1917; Schenck, 1928; Vokes, et al., 1949
 Northwest Oregon: Diller, 1896
 Nye Mudstone: Addicott, 1966; Kleinpell, 1938; Schenck, 1927a; 1928; Vokes, et al., 1949; Wilkinson, 1959
Acila: Addicott, 1976
Aforia: Javipour, 1973
Archidae: Reinhart, 1943
 Yaquina Bay, Lincoln Co.: Snavelly, et al., 1964
 OBrien, Josephine Co.: Harper, 1983
 Ochoco Mtns.: Dubar, 1950; Packard, 1929; 1929a; Packard and Lupher, 1928; 1929
 Onion Peak, Clatsop Co.: Smith, 1975
 Oregon City, Clackamas Co.: Shumard, 1858
 Otter Point Fm.: Baldwin and Beaulieu, 1973; Dott, 1971; Ehlen, 1969; Koch, 1966.
 Pacific Coast: Addicott, 1974; Anderson, 1895; Arnold, 1909; Arnold and Hannibal, 1913; Gamer, 1974a; Hefflin, 1979; Kleinpell, 1938;
Acila: Addicott, 1976a; Schenck, 1936
Aturia: Schenck, 1931
Cassididae: Schenck, 1926
 Eocene: Clark and Vokes, 1936; Clark, 1891
 Oligocene: Clark and Arnold, 1918
Pectinids: Addicott, 1973; 1981a
Siphonalia: Ruth, 1942
 Tertiary: Clark, 1921; 1922; Schenck and Kleinpell, 1936
Turritella: Merriam, 1930
Parapholys: Baker, 1942
 Phoenix, Jackson Co.: Anderson, 1958; Peck, et al., 1956
 Pittsburg Bluff Fm.: Anderson, 1914; Durham, 1944; Moore, 1976; Moore and Vokes, 1953; Niem, et al., 1973; Schenck, 1929; Steere, 1957; VanAtta, 1971; Warren, et al., 1945
Archidae: Reinhart, 1943
 Nehalem River: Warren and Norbistrath, 1946
 St. Helens Quad.: Wilkinson, et al., 1946
 Pittsburg Landing, Wallowa Co.: Imlay, 1981
 Polk Co.: Schenck, 1933; Stokesbary, 1933; Thoms, 1965
 Port Orford, Curry Co.: Anderson, 1938; Diller, 1903; Dott, 1966a; Koch, 1966; Shumard, 1858
 Port Orford Fm.: Allison, et al., 1962; Arnold and Hannibal, 1913
 Powers Quad.: Born, 1963
 Riddle, Douglas Co.: Becker, 1891; Diller, 1908; Stanton, 1895
 Riddle Quad.: Anderson, 1938; 1958; Becker, 1891; Diller and Kay, 1924
 Riddle Fm.: Hixson, 1965
 Rocky Pt. Fm.: Dott, 1971; Koch, 1966
 Rogue River Valley: Anderson, 1895
 Roseburg Quad.: Dickerson, 1914; Haq, 1975
 Myrtle Fm.: Johnson, 1965
Ostrea: Packard, 1923
 Sacchi Beach, Coos Co.: McWilliams, 1973; 1974; Rau, 1974
 Salem, Marion Co.: Steere, 1959; Wilcox, 1965
 Salem Quad.: Hickman, 1968; 1969
 Sawtooth Cr. Quad.: Imlay, 1964; 1973
 Scappoose Fm.: Moore, 1976; Niem, et al., 1973; Trimble, 1963; Warren and Norbistrath, 1946; Wilkinson, 1959
 Seneca Quad.: Imlay, 1968; 1973

Invertebrates, cont.

Seven Devils Group: Mullen and Sarewitz, 1983
Sheridan Quad.: Baldwin, et al., 1955
Shore Acres State Park, Coos Co.: Rooth, 1974
Siletz River Volcanics: Baldwin, 1964; Baldwin, et al., 1955; Cox, 1957; Gamer, 1971; Snavelly and Baldwin, 1948; Steere, 1959; Thoms, 1965; 1975
Silvies River, Harney Co.: Hertlein, 1925; Packard and Nelson, 1921
Snake River Canyon: Morrison, 1963; 1964; Vallier, 1967
Snowshoe Fm.: Dickinson and Vigrass, 1965; Imlay, 1964; 1968; 1973; 1981; Smith, 1976; 1980; Taylor, 1977; 1980; 1981; 1982
Spencer Fm.: Baldwin, 1964; Steere, 1958; Turner, 1938; Vokes, et al., 1951
Spirit Mtn. Quad.: Baldwin and Roberts, 1952
Sumpter, Baker Co.: Yochelson, 1961
Sumpter Quad.: Pardee and Hewett, 1941
Suplee, Crook Co.: Dickinson and Vigrass, 1965; Gonzales, 1933; Imlay, 1981; Johnson and Klapper, 1978; Kleweno and Jeffords, 1961; Lupher, 1929; 1930 Merriam and Berthiaume, 1943; Packard, 1928; Schenk, 1931; 1934; Taylor, 1980; Walters, 1965
Ammonites: Imlay, 1981; Schenk, 1935
Brachiopods: Cooper, 1957
Snowshoe Fm.: Taylor, 1982
Svensen Quad.: Allison and Addicott, 1976; Dodds, 1963
Takilma-Waldo, Josephine Co.: Shenon, 1933
Tarheel Fm.: Armentrout, 1967
The Dalles, Wasco Co.: Newberry, 1869
Tillamook Co.: Addicott, 1981a; Clark, 1925; Moore, 1963; Washburne, 1914
Tillamook Volcanics: Baldwin, 1964; Warren, et al., 1945
Timber Quad.: Deacon, 1953; Hickman, 1974
Toledo Fm.: Hickman, 1968; 1969
Trigonias: Packard, 1921a; Poulton, 1980
Trowbridge Fm.: Dickinson and Vigrass, 1965; Imlay, 1964; 1981
Tunnel Point Fm.: Dall, 1879; 1891; Moore, 1976; Schenck, 1927a; Weaver, 1945a
Turritella: Merriam, 1930
Twelvemile Cr., Crook Co.: Packard, 1932
Tyee Fm.: Baldwin, 1961; Berthiaume, 1935; Bird, 1967; Hoover, 1963; Thoms, 1975; Turner, 1938; Vokes, et al., 1951
Fairview-McKinley, Coos Co.: Nelson, 1966
Powers Quad.: Born, 1963
Sacchi Beach, Coos Co.: McWilliams, 1973; 1974
Umpqua Fm.: Baldwin, 1963; 1965; 1969; Berthiaume, 1935; Born, 1963; Hendon, 1926; Hoover, 1963; Nelson, 1966; Thoms, 1965; 1975; Turner, 1938
Umpqua River: Baldwin, 1961
Vancouver: Newberry, 1868; Reagan, 1910
Vernonia Quad.: Deacon, 1953
Wallowa Co.: Wagner, 1958
Wallowa Lake: Washburne, 1903
Wallowa Mtns.: Smith, 1928; Smith and Allen, 1941
Walport, Lincoln Co.: Vokes, et al., 1949
Washington Co.: Durham, 1942a; Schenck, 1933; Steere, 1957
Weberg Fm.: Kummell, 1954; Taylor, 1977
Wheeler Co.: Bowers, 1953; Peterson, 1963; Popenoe, et al., 1961
Whitsett Limestone: Imlay, et al., 1959; Johnson, 1965
Willamette Basin: Newton, 1982
Yamhill Co.: Schenck, 1933; Washburne, 1914

Yamhill Fm.: Baldwin, 1964; Baldwin, et al., 1955; Harrison and Eaton (Firm), 1920; Gamer, 1971; Steere, 1959

Yaquina Fm.: Addicott, 1966; Javipour, 1953; Snavelly and Vokes, 1949; Steere, 1964; Vokes, et al., 1949

Yonna Fm.: Newcomb, 1958

Invertebrates, Freshwater

Bear Cr., Crook/Deschutes Co.: Lowry, 1940
Catalogue: Henderson, 1935; Taylor, 1975
Christmas Lake, Lake Co.: Call, 1884; Russell, 1884
Harney Lake, Lake Co.: Henderson, 1929
John Day Fm.: Coleman, 1949; Hanna, 1920; Lowry, 1940; Sterns, 1900; 1902; 1902a
Lake Co.: Trauger, 1958
Malheur Lake, Harney Co.: Henderson, 1929
Mascall Fm.: Downs, 1956
Silver Lake, Lake Co.: Russell, 1884
Summer Lake, Lake Co.: Hanna, 1963
Picture Gorge Quad.: Coleman, 1949
Sand Hollow, Malheur Co.: Henderson and Rodeck, 1934
Warner Lake, Lake Co.: Hanna, 1922
Invertebrate catalogue: Meek, 1864; 1868a; Schuchert, 1905; Trumbull, 1958; U.S. Bureau of Land Management, 1981
University of Oregon Collection: Husband, 1921; Smith, 1919
Invertebrate research: Merriam and Chaney, 1924; Smith and Packard, 1919
Iron Mtn. Bed (Astoria Fm.)
Vertebrates: Coombs, 1979; Munthe and Coombs, 1979
Ironsides Mtn. Quadrangle
Lowry, 1943
Izee Quadrangle
Radiolaria: Pessagno and Blome, 1980; 1982; Pessagno and Whalen, 1982

Jackson County

Corals: Nomland, 1916
Echinoderms: Kew, 1920
Invertebrates: Diller, 1900; McKnight, 1970; Peterson, 1963; Peterson and Mason, 1958
Cretaceous: Popenoe, et al., 1961
Rudistids: Lupher and Packard, 1930; Packard and Lupher, 1930
Vertebrates: Proboscidea: Avery, 1938
Jackson Co., Ashland
Flora: Brown, 1956; 1959; Chaney, 1936; 1940; Knowlton, 1900
Invertebrates: Packard and Jones, 1965; Peterson, 1967; Ward and Westerman, 1977
Vertebrates: Avery, 1938
Jackson Co., Bear Cr.
Invertebrates: Packard, 1921a
Jackson Co., Bohemia area
Invertebrates: Diller, 1900
Jackson Co., Grave Cr.
Invertebrates: Jones, 1960; Peck, et al., 1956; Saul and Popenoe, 1962
Jackson Co., 49 Mine
Invertebrates: Lupher, 1927; Lupher and Packard, 1930; Packard and Lupher, 1930; Nomland, 1916; Reagan, 1924
Jackson Co., Jacksonville
Invertebrates: Meek, 1864; Peck, et al., 1965; White, 1889
Jackson Co., Medford
Invertebrates: Peterson, 1967a
Jackson Co., Phoenix
Invertebrates: Anderson, 1958; Peck, et al., 1956

- Jackson Co., Payne Cliffs
Flora: McKnight, 1970
- Jackson Co., Sam's Cr.
Flora: Lesquereux, 1888
- Jefferson County**
Diatoms: Baldwin, 1946
Fish: Cavender and Miller, 1972; Uyeno and Miller, 1963
Vertebrates: Downs, 1956
- Jefferson Co., Antelope Cr.
Vertebrates: Brogan, 1950; Hodge, 1932
- Jefferson Co., Ashwood
Flora: Brown, 1975; Peck, 1964
Vertebrates: Peck, 1964
- Jefferson Co., Currant Cr.
Flora: Newberry, 1898
- Jefferson Co., Gateway
Vertebrates: Brogan, 1950; Downs, 1956; Hodge, 1932
- Jefferson Co., Gray Butte
Flora: Ashwill, 1979
- Jefferson Co., Madras
Flora: Chaney, 1937a
Fusulinids: Thompson and Wheeler, 1941
- Jefferson Co., Warm Springs
Vertebrates: Dingus, 1979; Woodburne and Robinson, 1977
- John Day Basin
Diatoms: Smith, 1934
Fauna: Shotwell, 1968a; Stock, 1946
Flora: Knowlton, 1902; 1910b
Invertebrates: White, 1885; 1885a
Vertebrates: Matthew, 1909; Sternberg, 1880; 1881
Anthropoid: Terry, 1891
Carnivora: Stock, 1930; 1933
Castoridae: Stirton, 1935
Eporeodon: Thorpe, 1921
- John Day Formation
Amphisbaenia: Berman, 1976
Arthropoda: Peterson, 1964
Flora: Ashwill, 1979; Bailey and Sinnott, 1916; Beck, 1942; Buwalda, 1927; Chaney, 1925d; 1927; Coleman, 1949; Knowlton, 1902; Lesquereux, 1883; Lowry, 1940; Steere, 1954
Celtis: Chaney, 1925b
Dugout Cr., Wheeler Co.: Peterson, 1964
Euptelea: Scott and Barghoorn, 1955
Fossil, Wheeler Co.: Brown, 1959
Ginkgo: Scott, et al., 1962
Hydrangea: Knowlton, 1901
Knox Ranch, Wheeler Co.: Arnold, 1952; Peterson, 1964
Legumes: Brown, 1937a
Paleoclimates: Knowlton, 1919a
Umbellularia: Chaney, 1925c
Insects: Cockerell, 1927
Invertebrates, Freshwater: Coleman, 1949; Hanna, 1920; Lowry, 1940; Sterns, 1900; 1902; 1902a
Novumbra: Cavender, 1969
Stratigraphy: Fisher, 1964; Fisher and Rensberger, 1972; Fisher and Wilcox, 1960; Merriam, 1901a; 1903; Rensberger, 1965; 1976
Vertebrates: Adams, 1896; Bettany, 1876; Buwalda, 1927; Coleman, 1949; Cope, 1878a-1879e; 1883d; Dall and Harris, 1892; Leidy, 1870; 1871; Matthew, 1907; Merriam, 1901; 1901a; 1901b; 1903; 1906; 1907; 1907a; Merriam and Sinclair, 1907; Scott, 1896; 1913; Steere, 1954; Woodburne and Robinson, 1977
Aceratheria: Cope, 1879
Amphibia: Naylor, 1979
- Anchitherium: Cope, 1879d
Antelope, Jefferson Co.: Peck, 1964
Aplodontidae: Rensberger, 1975; Shotwell, 1958
Artiodactyla: Scott, 1899; Sinclair, 1905; Thorpe, 1921a; 1921b
Peccaries: Colbert, 1938; Loomis, 1910; Stirton and Woodburne, 1965; Wood, 1935
- Bear Cr., Crook/Deschutes Co.: Lowry, 1940
Camelidae: Cope, 1886a; Lull, 1921; Wortman, 1898
Canidae: Condon, 1896; Cope, 1882, 1883; Eyerman, 1894; 1896; Hall and Martin, 1930
Loomis, 1908; Matthew, 1899; 1903; Merriam, 1906; Wortman and Matthew, 1899
Castoridae: Stirton and Rensberger, 1964
Chalicotheriidae: Skinner, 1968
Chiroptera (Bat): Brown, 1959
Diceratherium: Troxell, 1921
Dicotylinae: Cope, 1888
Didelphidae: Stock, 1936; Stock and Furlong, 1922
Dinocerta: Marsh, 1886
Equidae: Marsh, 1874; 1877; 1894a
Felidae: Adams, 1896; Cope, 1879a; 1880a; 1882; Eaton, 1922; Merriam, 1906; Toohey, 1959
Fish: Cavender, 1969; Cope, 1889b; Dall and Harris, 1892
Geomyidae: Rensberger, 1968; 1971; 1973
Mustellidae: Hall, 1931; Scott, 1893
Oreodontidae: Cope, 1884; 1884a; Grant, 1941; Lander, 1972; Schultz and Falkenbach, 1958; Thorpe, 1924
Perissodactyla: Cope, 1879c; 1887; Sinclair, 1905
Plioplarhus: Cope, 1889b
Procyonidae: Wortman and Matthew, 1899
Protapirus: Sinclair, 1901
Reptilia: Berman, 1976; Gilmore, 1938; Hay, 1908
Rhinocerotidae: Loomis, 1908
Rodentia: Cope, 1881; 1883a; Wilson, 1949; Wood, 1935; 1936
Tapiridae: Sinclair, 1901
University of California Expedition, 1899: Merriam, 1899
Warm Springs, Jefferson Co.: Dingus, 1979; Woodburne and Robinson, 1977
Yale University Expedition, 1871: Marsh, 1873; 1874
- John Day Inlier: Brooks and Vallier, 1978; Buddenhagen, 1967; Dickinson and Thayer, 1978
- Jordan Valley Quadrangle
Vertebrates: Walker and Repenning, 1966
- Josephine County**
Invertebrates: Imlay, et al., 1959; Peterson and Mason, 1958; Popenoe, et al., 1961
- Josephine Co., OBrien
Invertebrates: Harper, 1983
- Josephine Co., Takilma-Waldo
Invertebrates: Shenon, 1933
Radiolaria: Irwin, et al., 1978
- Juniper Cr., Malheur Co. see Malheur Co., Juniper Cr.
- Juntura Basin
Fauna: Shotwell, 1963
Invertebrates: Taylor, 1963
- Juntura Formation
Flora: Bowen, 1956
Vertebrates: Shotwell and Russell, 1963

Keasey Formation

Anacanthin fish: David, 1956
Arthropoda: Rathbun, 1932; Steere, 1957
Biostratigraphy: Armentrout, 1975a
Crinoids: Moore and Vokes, 1953; Steere, 1957
Echinoderms: Durham, 1981; Steere, 1957; Zullo, 1964
Foraminifera: Cushman and Schenck, 1928; Deacon, 1953; Durham, 1944; Lawler, 1976; McDougall, 1975; 1977; 1981; Rau, 1964; Robertson, 1972; VanAtta, 1971; Warren and Norbistrath, 1946; Warren, et al., 1945; Zullo, 1964
Invertebrates: Armentrout, 1973; Deacon, 1953; Durham, 1944; Hickman, 1968; 1969; Moore, 1976; Moore and Vokes, 1953; Niem, et al., 1973; Steere, 1957; VanAtta, 1971; Warren, et al., 1945
Acila: Schenck, 1933
Columbia Co.: Zullo, 1964
Galeodea: Durham, 1942a
Nehalem River: Warren and Norbistrath, 1946
Phanerolepidia: Hickman, 1972; Walters, 1973
Turridae: Hickman, 1975; 1976
Washington Co.: Niem, et al., 1973
Marine vertebrates: Niem, et al., 1973; Steere, 1957; Welton, 1972; 1973; 1974; 1979
Trace fossils: Adegoke, 1967

Keasey Quadrangle

Invertebrates: Deacon, 1953

Keteleeria: Beck, 1942

Klamath County

Diatoms: Baldwin, 1946; Melhase, 1933; Moore, 1937; Peterson and McIntyre, 1970; Wagner, 1969; Whitney, 1867
Fish: Cavender and Miller, 1972; Jordan, 1907; Miller, 1965; Uyeno and Miller, 1963
Flora: Peterson and McIntyre, 1970
Vertebrates: Hutchinson, 1968

Klamath Co., Chiloquin

Diatoms: Mahood, 1981

Klamath Co., Klamath Falls

Diatoms: Smith, 1934
Klamath Co., Klamath Lake
Diatoms: Edwards, 1870
Fish: Miller, 1965
Pollen: Hansen, 1942b
Vertebrates: Cressman, 1942

Klamath Falls Quadrangle

Flora/Fauna: Walker, 1963

Klamath Marsh

Pollen: Hansen, 1947a

Klamath Mountains

Invertebrates: Diller, 1902; Geological Survey Research, 1968
Radiolaria: Irwin, et al., 1978

Klamath River Basin

Fauna: Newcomb, 1958; Myers and Newcomb, 1952

Krebs Ranch, Gilliam Co. see Gilliam Co., Krebs Ranch

Lagoons

Foraminifera: Fowler, et al., 1968

Lake County

Diatoms: Melhase, 1933; Wagner, 1969
Flora: Peterson and McIntyre, 1970
Invertebrates: Trauger, 1958
Vertebrates: Allison, 1940; Hutchinson, 1968; Packard and Allison, 1980; Repenning, 1967a

Lake Co., Adel

Vertebrates: Thoms and Smith, 1973

Lake Co., Christmas Lake

Diatoms: Colbath and Steele, 1982; Melhase, 1933
Invertebrates, Freshwater: Call, 1884; Russell, 1884

Vertebrates: Dall and Harris, 1892; Repenning, 1967a; 1968; Russell, 1884; Stock, 1935

Lake Co., Corral Buttes

Vertebrates: Walker, 1960; Walker and Repenning, 1965

Lake Co., Elk Butte

Flora: Forbes, 1935

Lake Co., Fort Rock Lake

Diatoms: Brogan, 1973; Hampton, 1964

Lake Co., Fossil Lake

Birds: Allison, 1966; Brodkorb, 1964; Howard, 1946; 1964; Jehl, 1967; Miller, 1911; 1912; Shufeldt, 1913a; 1913b; Sternberg, 1909; Wetmore, 1940

Fish: Jordan, 1907; Miller, 1965; Uyeno and Miller, 1963

Flora: Buckley, 1968

Vertebrates: Allison, 1940; 1966; Cope, 1889d; Dall and Harris, 1892; Elftman, 1931; Hibbard, 1946; Packard, 1937; Sternberg, 1909

Lake Co., Guano Lake

Vertebrates: Hutchinson, 1968; Mawby, 1960; Repenning, 1967a

Lake Co., Lakeview

Vertebrates/Flora: Peterson, 1959

Lake Co., Silver Lake

Birds: Shufeldt, 1891-1892a; 1912-1913; Sternberg, 1909

Invertebrates, Freshwater: Russell, 1884

Vertebrates: Cope, 1889d; Matthew, 1902; Russell, 1884; Sternberg, 1881a; 1883; 1909

Lake Co., Snyder Cr

Vertebrates: Hutchinson, 1968; Repenning, 1967a

Lake Co., Summer Lake

Flora: Buckley, 1968

Invertebrates, Freshwater: Hanna, 1963

Lake Co., Warner Lake

Invertebrates, Freshwater: Hanna, 1922

Lake Idaho

Vertebrates: Smith, 1980

Lane County

Arthropoda: Rathbun, 1926

Diatoms: Baldwin, 1946

Flora: Brown, 1959; Gilchrist, 1964; Lakhanpal, 1958

Foraminifera: McKeel, 1980; Miles, 1977a

Invertebrates: Clark, 1925; Dall, 1915; Schenck, 1923

Pollen: Hansen, 1941

Lane Co., Bohemia area

Invertebrates: Diller, 1900

Lane Co., Coal Cr.

Flora: Knowlton, 1900

Lane Co., Eugene

Invertebrates: Dall, 1915; Ruff, 1946

Vertebrates: Steere, 1958

Lane Co., Gillespie Butte

Invertebrates: Staples, 1965

Lane Co., Goshen

Diatoms: Ramsay, 1929

Flora: Axelrod, 1966; Barghoorn, 1951; Brown, 1935; 1959; Chaney, 1940; 1946; Knowlton, 1914; Lowry, 1947; Sanborn, 1929

Vertebrates: Steere, 1958; VanFrank, 1955

Lane Co., Judkins Pt.

Invertebrates: Staples, 1965

Lane Co., Woahink Lake Bog

Pollen: Hansen, 1941a

- Langlois Quadrangle
Echinoderms: Invertebrates: Lent, 1969
Foraminifera: Miles, 1977a
- Lincoln County**
Anacanthin fish: David, 1956
Arthropoda: Rathbun, 1926; 1932; Steere, 1964
Astoria Fm.: Howe, 1922a; 1926; Nomland, 1917
Flora: Dake, 1942
Foraminifera: Cushman, et al., 1947; Thoms, 1969
Invertebrates: Addicott, 1966; 1981a; Dall, 1915;
Javipour, 1973; Steere, 1963
Marine vertebrates: Kellogg, 1928; Mitchell, 1966;
Steere, 1964
Cetacea: Emlong, 1966; Orr and Miller, 1983;
Packard, 1921; Packard, 1935
Desmostylus: Abel, 1922; Hannibal, 1922; Hay,
1916; 1925; Merriam, 1906a; 1911; Packard, 1921
Desmatophoca: Dall, 1909; Packard, 1921
Vertebrates: Coombs, 1979; Munthe and Coombs, 1979
Reptilia: Packard, 1940; 1942
- Lincoln Co., Agate Beach
Foraminifera/Invertebrates: Herron, 1953
- Lincoln Co., Alsea Bay
Anacanthin fish: David, 1956
Arthropoda: Rathbun, 1932
- Lincoln Co., Beverly Beach State Park
Invertebrates: Colbath, 1981
- Lincoln Co., Cape Foulweather
Invertebrates: Snavelly and Vokes, 1949
Marine vertebrates: Hannibal, 1922
- Lincoln Co., Cascade Head
Foraminifera: Callender, 1977
- Lincoln Co., Depoe Bay
Foraminifera: Daugherty, 1951
- Lincoln Co., Fogarty Cr.
Invertebrates: Simon and Reed, 1945
Marine vertebrates: Welton, 1979
- Lincoln Co., Marshfield Bog
Pollen: Hansen, 1943
- Lincoln Co., Newport
Fish: Snavelly, et al., 1964
Flora: Dake, 1942
Foraminifera: Packard and Kellogg, 1934; Snavelly,
et al., 1964; Snavelly, et al., 1969
Invertebrates: Addicott, 1976a; Baldwin, 1950a;
Howe, 1926; Moore, 1971; Nomland, 1917;
Schenck, 1928; Snavelly, et al., 1964
Marine vertebrates: Condon, 1906; Dall, 1909;
Packard, 1921; 1947b; Packard and Kellogg,
1934; Repenning and Tedford, 1977
Sharks: Welton, 1979
- Lincoln Co., Nye Beach
Pollen: Hansen and Allison, 1942
- Lincoln Co., Otter Rock
Marine vertebrates: Packard, 1935
- Lincoln Co., Seal Rock
Marine vertebrates: Emlong, 1966
- Lincoln Co., Spencer Cr.
Marine vertebrates: Hay, 1916; Vanderhoof, 1937
- Lincoln Co., Toledo
Anacanthin fish: David, 1956
- Lincoln Co., Yaquina Bay
Anacanthin fish: David, 1956
Foraminifera: Heacock, 1952; Murata, et al., 1967;
1969
Marine vertebrates: Hay, 1916; Merriam, 1906a;
1911; Packard, 1921
- Linn County**
Diatoms: Baldwin, 1946
Foraminifera: Thoms, 1969
Invertebrates: Allison, 1953; Hauck, 1962
- Linn Co., Bilyeu Cr.
Flora: Klucking, 1964
- Linn Co., Lebanon
Flora: New localities, 1944
- Linn Co., Lyons
Flora: Meyer, 1972; 1973
- Linn Co., Scio
Flora: Lowry, 1947; Sanborn, 1947
- Linn Co., Sweet Home
Flora: Beck, 1944; Brown, 1950; Dake, 1940; 1969;
Gregory, 1968; Hergert and Phinney, 1954;
Richardson, 1950; Staples, 1950
- Linn Co., Thomas Cr.
Flora: Eubanks, 1960; 1962; Klucking, 1964; Smith,
1958
- Little Butte Volcanics
Flora: Chaney, 1918; Meyer, 1972; 1973; Peck, et
al., 1964; Ramp, 1960
- Little Valley, Malheur Co. see Malheur Co., Little
Valley
- Logan Butte, Crook Co. see Crook Co., Logan Butte
- Logdell Quadrangle
Invertebrates: Imlay, 1968; 1973
Radiolaria: Blome, 1983; Pessagno and Blome, 1980;
1982; Pessagno and Whalen, 1982
- Lonesome Formation
Invertebrates: Dickinson and Vigrass, 1965; Imlay,
1964; 1981
Radiolaria: Pessagno and Blome, 1980; 1982;
Pessagno and Whalen, 1982
- Lookingglass Formation
Echinoderms: Orr and Miles, 1978
Foraminifera: Baldwin and Beaulieu, 1975; Miles,
1977; 1977a; 1981; Orr and Miles, 1978
Invertebrates: Haq, 1975
Radiolaria: Miles and Orr, 1977; Orr and Miles,
1978
- Lophopanopeus: Kooser and Orr, 1973
- Lupherella: Imlay, 1967
- Mactrinae**: Packard, 1912; 1916
- Madras Quadrangle
Flora/Fauna: Hodge, 1940
- Mahonia**: Arnold, 1936a
- Malheur County**
Arthropoda: Rathbun, 1926
Birds: Miller, 1944
Diatoms: Moore, 1937
Fish: Cavender, et al., 1970; Dalzell, 1968;
Kimmel, 1975; Lundberg, 1975
Flora: Arnold, 1936; 1937
Invertebrates: Imlay, 1973; Wagner, 1958
Invertebrates, Freshwater: Henderson, 1929;
Henderson and Rodeck, 1934; Taylor, 1960; 1963
Vertebrates: Black, 1963; Hutchinson, 1968;
Shotwell, 1963; 1963a; 1967; 1968; 1970
- Malheur Co., Beulah
Diatoms: Bowen, 1956
Flora: Bowen, 1956; Brown, 1936a; Russell, 1903
Vertebrates: Bowen, 1956; Russell, 1884
- Malheur Co., Black Butte
Fauna: Hutchinson, 1968; Shotwell, 1963; 1967a;
1970; Shotwell and Russell, 1963
- Malheur Co., Carter Cr.
Flora: Arnold, 1936; 1937
- Malheur Co., Harper
Diatoms: Abbott, 1971; Ramsay, 1929; Smith, 1934;
Smith and Fuller, 1929

- Malheur Co., Ironside
Vertebrates: Merriam, 1916a; Stirton, 1940
- Malheur Co., Juniper Cr.
Vertebrates: Shotwell, 1967; 1967a; 1970
- Malheur Co., Juniper Mtn.
Invertebrates: Fouch, 1968; Wagner, et al., 1963
- Malheur Co., Juntura
Birds: Brodkorb, 1961
Diatoms: Ramsay, 1929; Smith, 1934
Fauna: Shotwell, 1963
Invertebrates: Taylor, 1963
- Malheur Co., Little Valley
Vertebrates: Shotwell, 1970
Rodentia: Hutchinson, 1968; Shotwell, 1967; 1967a
- Malheur Co., Nyssa
Vertebrates: Smith, 1980
- Malheur Co., Otis Basin
Diatoms: VanLandingham, 1967
Fauna: Shotwell, 1963; 1963a; 1967
- Malheur Co., Owyhee
Vertebrates: Kittleman, 1965; Kittleman, et al., 1967
- Malheur Co., Payette Fm.
Flora: Chaney, 1922
- Malheur Co., Quartz Basin
Vertebrates: Hutchinson, 1966; 1968; Shotwell, 1967; 1967a; 1968
- Malheur Co., Red Basin
Vertebrates: Hutchinson, 1968; Shotwell, 1967; 1968
- Malheur Co., Rockville
Flora: Beck, 1944a; Smith, 1932; 1938; 1938a
- Malheur Co., Rome
Vertebrates: Repenning, 1967
Aplodontidae: Wilson, 1934
Artiodactyla: Colbert, 1938; Furlong, 1932
Arvicolinae: Repenning, 1968
Reptilia: Brattstrom and Sturn, 1959
Rodentia: Wilson, 1938; 1938a
Soricidae: Repenning, 1967a
Talpidae: Hutchinson, 1968
- Malheur Co., Sand Hollow
Invertebrates, Freshwater: Henderson and Rodeck, 1934
- Malheur Co., Skull Springs
Vertebrates: Gazin, 1932; Hall, 1931; Hutchinson, 1966; Skinner, 1968; Wallace, 1946
- Malheur Co., Sucker Cr.
Flora *see* Flora, Sucker Cr.
Vertebrates: Kittleman, et al., 1967; Russell, 1903; Scharf, 1935; Skinner, 1968; Wallace, 1946
- Malheur Co., Willow Cr.
Birds: Shufeldt, 1915; Wetmore, 1940
- Maps: Cope, 1880; Schumacher, 1981
- Marine Vertebrates**
Mitchell, 1966; Orr and Orr, 1981; Ray, 1976; Welton, 1972; 1979
Alsea Fm.: Whitmore and Sanders, 1976
Astoria Fm.: Packard, 1941; Steere, 1964
Cetacea:
Astoria Fm.: Barnes, 1976; Dall, 1909; Dana, 1849; Orr and Miller, 1983; Packard, 1947b; Packard and Kellogg, 1934; Repenning and Tedford, 1977; True, 1909
Butte Creek Beds: Orr and Faulhaber, 1975; Orr and Miller, 1983; 1983a; Whitmore and Sanders, 1976
Cape Blanco, Curry Co.: Packard, 1947
Clackamas Co.: Miller and Orr, 1983; 1983a; Orr and Faulhaber, 1975
Lincoln Co.: Orr and Miller, 1983; Packard, 1921; Packard and Kellogg, 1934
Marion Co.: Orr and Miller, 1983; 1983a
Otter Rock, Curry Co.: Packard, 1935
Port Orford Fm.: Packard, 1947
Seal Rock, Lincoln Co.: Emlong, 1966
Yaquina Fm.: Barnes, 1976; Emlong, 1966; Orr and Miller, 1983
Desmatophoca: Condon, 1906; Dall, 1909; Mitchell, 1966a; Packard, 1921; Wortman, 1906
Desmostylus: Abel, 1922; Hannibal, 1922; Hay, 1916; 1925; McCornack, 1914; Merriam, 1906a; 1911; Mitchell and Repenning, 1963; Packard, 1921; Vanderhoof, 1937
Elk River Fm.: Leffler, 1964
Empire Fm.: Dall, 1909; Steere, 1955; True, 1905; 1905a; 1909
Fissiped: Mitchell, 1966b
Ichthyosaur: Camp and Koch, 1966; Dott, 1971; Howard, 1955; Katsura and Orr, 1982; Koch, 1966; Marsh, 1895; McGowan, 1978; Merriam and Gilmore, 1928
Phocid: Barnes and Mitchell, 1975
Pinniped: Packard, 1947a; 1947b; Repenning and Tedford, 1977; Shotwell, 1951
Pontolis: Dall, 1909; Steere, 1955; True, 1905; 1905a; 1909
Port Orford Fm.: Packard, 1947; 1947a
Reptilia: Buffetaut, 1979; Luper, 1941; Packard, 1940; 1942
Sharks and Rays: Welton, 1972
Butte Creek Beds: Orr and Miller, 1983a
Cape Gregory, Coos Co.: Jordan and Beal, 1913
Coaledo Fm.: Jordan and Hannibal, 1923; Steere, 1955
Columbia Co.: Steere, 1957; Welton, 1974
Coos Co.: Arnold and Hannibal, 1913
Coos Bay, Coos Co.: Jordan and Beal, 1913; Jordan and Hannibal, 1923
Eugene Fm.: Hickman, 1968; 1969
Forest Grove, Washington Co.: Applegate, 1968
Ochoco Mtns.: Dubar, 1950
Tillamook Co.: Welton, 1974
Valsetz Quad.: Baldwin, 1964
Washington Co.: Niem, et al., 1973; Steere, 1957
Yamhill Fm.: Baldwin, 1964
Spencer Cr., Lincoln Co.: Kellogg, 1928; Packard, 1940; 1942
Weberg Fm.: Luper, 1941
Marine vertebrate catalogue: U.S. Bureau of Land Management, 1981
- Marion County**
Echinoderms: Baldwin, 1950; Linder and Orr, 1983
Flora: Gilchrist, 1964
Marion Co., Butte Creek Beds *see* Butte Creek Beds
Marion Co., Lake Labish
Pollen: Hansen, 1942a
Marion Co., Salem
Flora: Thayer, 1939
Foraminifera: Steere, 1959
Invertebrates: Steere, 1959; Thayer, 1939; Wilcox, 1965
Marion Co., Silverton
Pollen/Vertebrates: Hansen and Packard, 1949
Marsh, O.C.
Collection: Buwalda, 1920; Drake, 1978; Eaton, 1922; Lull, 1921; Shufeldt, 1915; Thorpe, 1922
Marsupial *see* Vertebrates/Didelphidae

- Martin Bridge Formation
Corals/Diatoms: Newton, 1982
Invertebrates: Mullen, 1983; Newton, 1982; Smith and Allen, 1941; Vallier, 1967
Marine vertebrates: Katsura and Orr, 1982
- Mary's Peak Quadrangle
Foraminifera: Thoms, 1965
- Mascall Formation
Flora see Flora, Mascall
Invertebrates, Freshwater: Downs, 1956
Vertebrates: Downs, 1956; Gazin, 1932; Merriam, 1901; 1903; 1906; 1907a; 1913; Walker, 1960
Canidae: Merriam, 1906
Carnivora: Stock, 1930; 1933
Diceratherium: Troxell, 1921
Edentata: Packard, 1949; 1952; Sinclair, 1906
Equidae: Bode, 1933; Gidley, 1906; Maxson, 1928; Merriam, 1915
Felidae: Merriam, 1906
Reptilia: Hay, 1903
- Mastodon see Vertebrates/Proboscidea
- McKay Reservoir see Umatilla Co., McKay Reservoir
- McMinnville Quadrangle
Foraminifera: Baldwin, et al., 1955
Invertebrates: Baldwin, et al., 1955; Hickman, 1968; 1969
- Mediargo: Terry, 1968
- Meekia: Saul and Popenoe, 1962
- Megousia: Waterhouse, 1968
- Meliosma: Manchester, 1980a
- Merychippus: Maxson, 1928
- Merycochoerus: Bettany, 1876; Thorpe, 1924a
- Mesodesma: Clark, 1922
- Metasequoia: Arnold, 1948; Chaney, 1950; 1952
- Mice see Vertebrates/Arvicolinae
- Micropternodus: Stirton and Rensberger, 1964
- Miohippus: Marsh, 1894a
- Mitchell Butte Quadrangle
Fish: Lundberg, 1975
- Mitchell Quadrangle
Arthropoda: Howard, 1955
Fauna: Taylor, 1960
Flora: Howard, 1955; Lukanuski, 1963; McKnight, 1964; Packard, 1956; Packard and Jones, 1965; Peterson, 1963; Swarbrick, 1953; Taylor, 1960
Foraminifera: Howard, 1955
Invertebrates: McKnight, 1964; Swarbrick, 1953; Packard and Jones, 1965; Peterson, 1967; Washburne, 1903
Marine vertebrates: Camp and Koch, 1966; Howard, 1955; Lawson, 1975; Merriam and Gilmore, 1928
- Molalla flora see Flora, Molalla
- Molalla Quadrangle
Flora: Invertebrates: Harper, 1946
- Moropus: Coombs, 1978; Holland and Peterson, 1914
- Morrow County
Flora: Mendenhall, 1909
- Morrow Co., Boardman
Vertebrates: Hutchinson, 1968; Shotwell, 1958a
- Mowich Group
Invertebrates: Dickinson and Vigrass, 1965; Imlay, 1968; Lupher, 1941
- Mt. Hood
Invertebrates: Bailey, 1845
- Multnomah County
Flora: Chaney, 1944a; 1944b
Foraminifera: Thoms, 1969
Invertebrates: Clark, 1925
Multnomah Co., McCord Cr.
Flora: Beck, 1940a
Multnomah Co., Moffatts Cr.
Flora: Knowlton, 1900
Multnomah Co., Oswego
Flora: Nye, 1884
- Mustelid see Vertebrates/Mustelidae
- Mylogaulodon: Sinclair, 1903
- Myloodon: Mielke and Long, 1969; Quaintance, 1966; 1969
- Mytilus: Allison and Addicott, 1976
- Myrtle Group
Flora: Knowlton, 1910a
Foraminifera: Bandy, 1941; Imlay, et al., 1959
Invertebrates: Diller, 1907; Hixson, 1965; Imlay, et al., 1959; Johnson, 1965; Jones, 1969; Knowlton, 1910a
Ostracods: Bandy, 1941
- Nannoplankton
McKeel, 1971; Robertson, 1972; Warren and Newell, 1977
- Nassellarina: Pessagno and Blome, 1982; Pessagno and Whalen, 1982
- Nautiloids: Kummell, 1954
- Nehalemia: Hickman, 1974
- Neogloboquadrina: Kilbourne and Gibson, 1979
- Nestucca Formation
Foraminifera: Baldwin, et al., 1955; McKeel, 1971; McKeel and Lipps, 1975; McWilliams, 1968; Rau, 1964; Snavely, et al., 1969
Invertebrates: Baldwin, et al., 1955; Baldwin and Roberts, 1952
Marine vertebrates: Welton, 1972; 1974
- Newport see Lincoln Co., Newport
- Nicely Formation
Invertebrates: Imlay, 1967; Toohey, 1959; Walters, 1965
Radiolaria: Pessagno and Blome, 1980; 1982; Pessagno and Whalen, 1982
- Nipponites: Ward and Westerman, 1977
- Nothocyron: Hall and Martin, 1930
- Novumbra: Cavender, 1969
- Nimravidae: Cope, 1882
- Nucinellidae: Vokes, 1956
- Nuculidae: Schenck, 1934
- Nye Mudstone
Anacanthin fish: David, 1956
Biostratigraphy: Armentrout, 1975a
Echinoderms: Kleinpell, 1938
Fish: Snavely, et al., 1964
Foraminifera: Heacock, 1952; Kleinpell, 1938; McKeel and Lipps, 1975; Murata, et al., 1967; 1969; Packard and Kellogg, 1934; Snavely, et al., 1969; Stewart, 1956
Invertebrates: Addicott, 1966; Kleinpell, 1938; Schenck, 1927a; 1928; Wilkinson, 1959
Acila: Addicott, 1976a
Aforia: Javipour, 1973
Archidae: Reinhart, 1943
Newport, Lincoln Co., Vokes, et al., 1949
Marine vertebrates: Welton, 1972; 1979
- Nyssa: Beck, 1945

- Odontaspis:** Applegate, 1968
Ophalotrochus: Yochelson, 1961
- Ophiuroid** *see* Echinoderm
- Oreodontidae:** Cope, 1884; 1884a; Grant, 1941; Lander, 1972; Scott, 1890; Schultz and Falkenbach, 1958; Thorpe, 1924; 1925
- Oreolagus:** Dawson, 1965
- Osmundaceae:** Arnold, 1952; Miller, 1967
- Ostracods**
 Cascadia Basin: Griggs, Carey and Kulm, 1968
 Coyote Butte Fm.: Ogren, 1958
 Eugene Fm.: Hickman, 1968; 1969
 Myrtle Fm.: Bandy, 1941
 Pacific Coast: Valentine, 1976
Ostrea: Packard, 1923
- Oswald West State Park *see* Tillamook Co., Oswald West St. Pk.
- Otis Basin *see* Malheur Co., Otis Basin
- Otter Point Formation**
 Flora: Dott, 1971
 Invertebrates: Baldwin and Beaulieu, 1973; Dott, 1971; Ehlen, 1969; Koch, 1966
 Marine vertebrates: Camp and Koch, 1966; Dott, 1971
 Radiolaria: Dott, 1971; Ehlen, 1969; Koch, 1966
- Otters *see* Marine vertebrates/Fissiped
- Pachydont:** Lupher, 1927
- Pacific Coast**
 Arthropoda: Nations, 1969; 1970
 Diatoms: Nelson and Schenck, 1928; 1929; 1930
 Dinoflagellates: Orr and Conley, 1976
 Echinoderms: Kew, 1920; Kleinpell, 1938
 Flora: Merriam and Chaney, 1924
 Foraminifera: Berry, 1974; Kleinpell, 1938; Knappe, 1974; Nayudu, 1964; Schenck and Kleinpell, 1936
 Fusulinids: Nestell, 1980
 Invertebrates: Addicott, 1974; Anderson, 1895; Arnold, 1909; Arnold and Hannibal, 1913; Hefflin, 1979; Kleinpell, 1938
 Acila: Addicott, 1976a; Schenck, 1936
 Aturia: Schenck, 1931
 Eocene: Clark, 1891; Clark and Vokes, 1936
 Mactrinæ: Packard, 1912; 1916
 Pectens: Addicott, 1973; 1981a
 Oligocene: Clark and Arnold, 1918
 Siphonalia: Ruth, 1942
 Tertiary: Clark, 1921; 1922; Schenck and Kleinpell, 1939
 Turritella: Merriam, 1930
 Marine vertebrates: Dall, 1909
 Ostracods: Valentine, 1976
 Vertebrates: Merriam, 1917; Merriam and Chaney, 1924
- Packard, Earl
 Collection: Ray, 1976
- Paleoenvironment**
 Birds: Miller, 1944
 Corals: Durham, 1950
 Diatoms: Abbott, 1971; Bird, 1967
 Flora: Bailey and Sinnott, 1916; Berry, 1929; Brown, 1943; Hickey, 1977; Wolfe, 1956; 1960a; Wolfe and Hopkins, 1967
 Angiosperms: Chaney, 1949a
 Bridge Cr.: Chaney, 1925
 Butte Cr. Beds: Orr and Miller, 1983a
 Cenozoic: Chaney, 1936c; 1938a
- Clarno Fm.: Knowlton, 1919a
 Comstock: Sanborn, 1934; 1937
 Eagle Cr.: Chaney, 1920
 Mascall: Beck, 1936a; Chaney, 1925a; Knowlton, 1919; Lamotte, 1936
 Oligocene: Klucking, 1964
 Rujada: Lakhanpal, 1958
 Sucker Cr.: Graham, 1965; Taggart, 1970; Taggart and Cross, 1974
 Tertiary: Arnold, 1948; Chaney, 1936a; 1937b; 1940; 1949
 Trout Cr.: Graham, 1965; Lamotte, 1936
 Willamette Junction: Lewis, 1950
- Foraminifera:** Fowler and Muehlberg, 1969; Fowler, et al., 1969; Griggs, 1968; McDougall, 1975; 1977; 1979; 1981; Nayudu, 1964; Thoms, 1965
 Alsea Fm.: Rau, 1975
 Astoria Fm.: Dodds, 1963; Rau, 1948
 Cape Blanco, Curry Co.: Rau, 1964; 1970
 Martin Bridge Fm.: Newton, 1982
 Research: Rau, 1977
 Review: Rau, 1981
 Tyee Fm.: Bird, 1967
 Tyee/Yamhill Fm. McWilliams, 1973; Rau, 1974
- Invertebrates:** Durham, 1950; Hickman, 1977
 Albian: Jones, 1960
 Astoria Fm.: Colbath, 1981
 Butte Cr. Beds: Miller and Orr, 1982; 1983a
 Curry Co.: Addicott, 1964
 Elk River Beds: Bandy, 1941
 Eugene Fm.: Hickman, 1968; 1969
 Galice Fm.: Harper, 1983
 Juntura Basin: Shotwell, 1963
 Mitchell Quad.: Wilkinson and Oles, 1968
 Martin Bridge Fm.: Newton, 1982
 Snake River Canyon: Newton, 1982
 Snowshoe Fm.: Taylor, 1977a
 Marine vertebrates: Welton, 1979
 Ostracods: Valentine, 1976
 Pollen: Hansen, 1942c; 1947; 1967; Heusser, 1965; Heusser and Schackleton, 1979; Hopkins, 1967
 Radiolaria: Fowler, et al., 1969
 Vertebrates: Miller, 1944; Shotwell, 1958a; 1963; 1964
- Paleogeography:** Armentrout, et al., 1979; Brooks and Vallier, 1978; Nilsen and McKee, 1979
 Invertebrates: Clark, 1921
 John Day inlier: Dickinson and Thayer, 1978
 Neogene: Cole and Armentrout, 1979
 Permian: Stevens, 1977
 Vertebrates: Shotwell, 1961; 1964
- Palaeotaricha:** VanFrank, 1955
Palustrinus: Rensberger, 1968; Wood, 1935
 Panatellinae: Pessagno and Blome, 1980
Parapholix: Baker, 1942
Parictis: Hall, 1931
Payette Formation
 Flora: Chaney: 1922
- Peccaries** *see* Vertebrates/Artiodactyla
- Pectens: Addicott, 1974; 1981a
 Pelecypods: Clark, 1925
 Perissodactyla *see* Vertebrates/Perissodactyla
- Peromyscus:** Shotwell, 1950; 1967a
Phanerolepida: Hickman, 1972; Walter, 1973
- Phocid** *see* Marine vertebrates/Phocid
- Phytoplankton** *see* Silicoflagellates

Picture Gorge Quadrangle
 Flora/Invertebrates: Coleman, 1949
 Vertebrates: Coleman, 1949; Downs, 1956
Pinna: Packard and Jones, 1956; Peterson, 1967

Pinniped see Marine vertebrates

Pittsburg Bluff Formation
 Diatoms: Moore, 1976
 Echinoderms: Clark, 1937
 Flora: Steere, 1957
 Foraminifera: Durham, 1944
 Invertebrates: Anderson, 1914; Durham, 1944;
 Moore, 1976; Moore and Vokes, 1953; Schenck,
 1929; Steere, 1957; Warren, et al., 1945
 Archidae: Reinhart, 1943
 Columbia Co.: Niem, et al., 1973; VanAtta, 1971
 Nehalem River: Warren and Norbistrath, 1946
 St. Helens Quad.: Wilkinson, et al., 1946
 Marine vertebrates: Welton, 1972; 1979

Platygonus: Marsh, 1871
Plantanophyllum: Manchester and Dilcher, 1980
Pleurotomaria: Hickman, 1976a; Schenck and Turner,
 1935

Plioplarchus: Cope, 1889b
Pliotaxidea: Hall, 1944
 Pogonophoran: Adegoke, 1967
Polinices: Gamer, 1971

Polk County
 Arthropoda/Echinoderms/Flora: Stokesbary, 1933
 Foraminifera: Cushman, et al., 1947; Boggs, et
 al., 1973; Stokesbary, 1933; Thoms, 1965; 1969
 Invertebrates: Schenck, 1933; Schenck and Turner,
 1935; Stokesbary, 1933

Polk Co., Dallas
 Arthropoda: Rathbun, 1932
 Diatoms: Nelson and Schenck, 1928
 Foraminifera: McWilliams, 1973; 1974; Rau, 1974;
 Steere, 1959
 Invertebrates: Schenck and Turner, 1935; Steere,
 1959

Polk Co., Ellendale Quarry
 Corals: Baldwin, 1947
 Foraminifera: Baldwin, 1947; Boggs, et al., 1973
 Invertebrates: Baldwin, 1947; 1964; Steere, 1959

Polk Co., Helmick Hill
 Foraminifera: Cushman, et al., 1947
 Invertebrates: Mundorff, 1939

Polk Co., Mill Cr.
 Arthropoda: Rathbun, 1932

Pollen
 Bandon Bog, Coos Co.: Hansen, 1943
 Bend, Deschutes Co.: Hansen, 1942
 Blue Mountain flora: Martin, 1962
 Butte Creek Beds: Orr and Miller, 1983a
 Clackamas/Collawash flora: Wolfe, 1960; 1962
 Columbia Plateau: Wolfe, 1962
 Coos Bay, Coos Co.: Hopkins, 1967
 Crater Lake area: Hansen, 1946
 Eagle Creek flora: Wolfe, 1960
 Klamath Lake, Lake Co.: Hansen, 1942b
 Klamath Marsh: Hansen, 1947a
 Lake Labish, Marion Co.: Hansen, 1942a
 Lane Co.: Hansen, 1941
 Marshfield Bog, Lincoln Co.: Hansen, 1943
 McKenzie River basin: Wolfe, 1962
 Molalla flora: Wolfe, 1960; 1962
 Nye Beach, Lincoln Co.: Hansen and Allison, 1942
 Pacific Northwest: Heusser, 1965; Heusser and
 Schackleton, 1979
 Sand Lake Bog, Tillamook Co.: Hansen, 1941a
 Sandy River basin: Wolfe, 1962

Santiam River basin: Wolfe, 1962
 Silverton, Marion Co.: Hansen and Packard, 1949
 Stinking Water flora: Martin, 1962
 Sucker Creek flora: Graham, 1963; 1965; Taggart,
 1970; Taggart and Cross, 1974
 Trout Creek flora: Graham, 1963; 1965
 Upper Chewaucan Marsh: Hansen, 1947a
 Warner Lake Marsh: Hansen, 1947a
 Woahnik Lake Bog: Lane Co.: Hansen, 1941a
 Pollen profiles: Hansen, 1942c; 1943; 1946
Polydiexodina: Bostwick and Nestell, 1965; Skinner,
 1971

Pontolis see Marine vertebrates

Port Orford see Curry Co., Port Orford

Port Orford Formation
 Foraminifera: Bandy, 1950; Stewart, 1956
 Invertebrates: Allison, et al., 1962; Arnold and
 Hannibal, 1913; Baldwin, 1945
 Marine vertebrates: Packard, 1947; 1947a; Welton,
 1979

Powers Quadrangle
 Foraminifera: Born, 1963; Miles, 1977a; Thoms,
 1965
 Invertebrates: Born, 1963
 Princeton University Expedition, 1899
 Brogan, 1972a; Cope, 1894; Scott, 1893
 Proboscidea: Osborn, 1900
Proheteromys: Wood, 1935
Promerycochoerus: Thorpe, 1921a; 1924a
Prosthenops: Thorpe, 1925a
Protapirus: Sinclair, 1901
Psephaea: Simon and Reed, 1945
Psephidia: Clifton and Boggs, 1970
Psephophorus: Packard, 1940; 1942
Pseudofusulinella: Wilde, 1971
Pseudophragmina: Thoms, 1964
Pseudotsuga: Arnold, 1935
Psidium: Taylor, 1960
Pterosaur see Vertebrates/Reptilia
Pterospermum: Manchester, 1980

Quartz Basin see Malheur Co., Quartz Basin
Quercus: Lesquereux, 1874

Radiolaria

Bandon, Coos Co.: Ehlen, 1969
 Blue Mountains: Brooks, 1979; Mullen, 1978
 Cascadia Basin: Duncan, 1968; Griggs, 1968
 Clover Creek Greenstone: Wheeler, 1976
 Columbia Co.: McKeel, 1979
 Continental Shelf: Boettcher, 1967; Bernard and
 McManus, 1973; Duncan, et al., 1969; Fowler, et
 al., 1969
 Coos Bay, Curry Co.: Diller, 1901
 Cowlitz Fm.: Robertson, 1972
 Dothan Fm.: Koch, 1966
 Elkhorn Ridge Argillite: Coward, 1982; Mullen,
 1983; Mullen and Sarewitz, 1983
 Flournoy Fm.: Miles and Orr, 1977; Orr and Miles,
 1978
 Gales Cr., Washington Co.: Robertson, 1972
 John Day, Wheeler Co.: Jones, et al., 1976
 Klamath Mtns.: Irwin, et al., 1978
 Little River, Douglas Co.: Smith, 1916
 Lookingglass Fm.: Miles and Orr, 1977; Orr and
 Miles, 1978
 Port Orford, Curry Co.: Koch, 1966
 Otter Pt. Fm.: Dott, 1971; Ehlen, 1969; Koch, 1966
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 1978

Radiolaria, cont.

- Suplee/Izee, Crook/Grant Co.: Blome, 1981; 1983;
Pessagno and Blome, 1980; 1982; Pessagno and
Whalen, 1982
Tyee Fm.: Bird, 1967
Waldo, Josephine Co.: Irwin, et al., 1978
Washington Co.: Robertson, 1972
Rail Cabin Argillite
Radiolaria: Blome, 1983; Pessagno and Blome, 1980
Raninidae: Rathbun, 1932
Rattlesnake Formation
Flora: Axelrod, 1948; Chaney, 1948
Vertebrates: Merriam, 1901; 1907a; 1915a; 1917;
Scott, 1913
Artiodactyla: Colbert, 1938
Canidae: Thorpe, 1921c, 1922
Correlation: Osborn, 1909
Edentata: Packard, 1952
Platygonus: Marsh, 1871
Prosthenops: Thorpe, 1925a
Reptilia: Hay, 1903
Ursidae: Merriam and Stock, 1927; Merriam, et
al., 1916

Rays see Marine vertebrates/Sharks and Rays
Red Basin see Malheur Co., Red Basin
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Kanno, 1969; Clark, W., 1891
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Rhinoceros see Vertebrates/Perissodactyla

Riddle Formation

- Invertebrates: Hixson, 1965; Koch, 1966
Riddle Quadrangle
Invertebrates: Anderson, 1938; 1958; Becker, 1891;
Diller and Kay, 1924

Rockville see Malheur Co., Rockville

Rocky Point Formation

- Flora: Koch, 1966
Foraminifera: Deacon, 1953
Invertebrates: Deacon, 1953; Dott, 1971; Koch,
1966

Rodentia: Cope, 1881; 1883a

Rogue River valley

- Flora: Detling, 1961
Invertebrates: Anderson, 1895

Roseburg Formation

- Echinoderms: Orr and Miles, 1978
Foraminifera: Baldwin and Beaulieu, 1973; Miles,
1977; 1977a; 1981
Radiolaria: Miles and Orr, 1977; Orr and Miles,
1978

Roseburg Quadrangle

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Foraminifera: Johnson, 1965; Miles, 1977a; Thoms,
1965; Turner, 1929
Invertebrates: Dickerson, 1914; Haq, 1975;
Johnson, 1965; Packard, 1923

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Rujada flora see Flora, Rujada

Sabalites: Gregory, 1969

Sacchi Beach see Coos Co., Sacchi Beach
Salamander see Vertebrates/Amphibia

Salem Quadrangle

Invertebrates: Hickman, 1968; 1969

Salenia: Zullo, 1964

Sapindus: Lamotte, 1936

Sardine Formation

Flora: Peck, et al., 1964

Sawtooth Creek Quadrangle

Invertebrates: Imlay, 1964; 1973

Scappoose Formation

Invertebrates: Moore, 1976; Niem, et al., 1973;
Trimble, 1963; Warren and Norbistrath, 1946;
Wilkinson, 1959
Marine vertebrates: Welton, 1972

Sciuridae see Vertebrates/Sciuridae

Scio see Linn Co., Scio

Sclerites see Echinoderms

Scott, William B.: Brogan, 1972; Cope, 1894

Sea lion see Marine vertebrates/Pinniped

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Securella: Parker, 1949

Selechians: Welton, 1973; 1974

Seneca Quadrangle

Invertebrates: Imlay, 1968; 1973
Radiolaria: Blome, 1983; Pessagno and Blome, 1980;
1982; Pessagno and Whalen, 1982

Sequoia: Chaney, 1949b; 1950; Chaney and Axelrod,
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Shark see Marine vertebrates/Shark

Sheridan Quadrangle

Foraminifera: Baldwin, et al., 1955; Gaston, 1974;
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Invertebrates: Baldwin, et al., 1955

Siletz River Volcanics

Fauna: Snively and Baldwin, 1948

Foraminifera: Baldwin, 1964; Baldwin, et al.,
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Lipps, 1975; McWilliams, 1968; Snively, et al.,
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Thoms, 1965; 1975

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Silver Lake see Lake Co., Silver Lake

Siphonalia: Dickerson, 1914; Ruth, 1942

Siskiyou Mtns., Oregon/California

Conodonts: Wardlaw and Jones, 1980

Sitkum Quadrangle

Foraminifera: Miles, 1977a; Thoms, 1965

Skull Springs see Malheur Co./Skull Springs

Sloth see Vertebrates/Edentata

Smilodonichthys: Brogan, 1972; Cavender and Miller,
1972

- Snake River Canyon
 Diatoms: Newton, 1972
 Invertebrates: Morrison, 1963; 1964; Newton, 1982
 Snakes: Gilmore, 1938
 Snow Peak Quadrangle
 Flora: Smith, 1958
 Snowshoe Formation
 Invertebrates: Dickinson and Vigrass, 1965; Imlay, 1964; 1968; 1973; 1981; Lupher, 1941; Smith, 1976; 1980; Taylor, 1977; 1980, 1981; 1982
 Radiolaria: Blome, 1983; Pessagno and Blome, 1980; 1982; Pessagno and Whalen, 1982
 Solemyacidae: Vokes, 1955
 Soricidae: Hutchinson, 1966; Repenning, 1967a
 Spencer Formation
 Arthropoda: Baldwin, 1964
 Foraminifera: Cushman, et al., 1947; McWilliams, 1968; Vokes, et al., 1951
 Invertebrates: Baldwin, 1964; Steere, 1958; Turner, 1938; Vokes, et al., 1951
 Marine Vertebrates: Welton, 1972
 Sphenophalos: Furlong, 1932
 Spirit Mountain Quadrangle
 Invertebrates/Foraminifera: Baldwin and Roberts, 1952
 Spotted Ridge Formation
 Flora: Arnold, 1953; Mamay and Read, 1956
 Spruce: Beck, 1936a
 Squalomorphii: Welton, 1979
 Stephanodiscus: Mahood, 1981
 Sterculia: Dake, 1969
 St. Helens Quadrangle
 Invertebrates: Wilkinson, et al., 1946
 Stinking Water see Harney Co./Stinking Water
 Strawberry Formation
 Flora: Wheeler, 1976; 1982
 Sucker Creek Flora see Flora, Sucker Cr.
 Sucker Cr. Formation
 Vertebrates: Kittleman, et al., 1967; Russell, 1903; Scharf, 1935
 Sumpter Quadrangle
 Echinoderms: Yochelson, 1961
 Fauna: Pardee and Hewett, 1941
 Flora: Read and Brown, 1937
 Invertebrates: Wagner, 1958; Yochelson, 1961
 Sunset Bay see Coos Co., Sunset Bay
 Suplee see Crook Co., Suplee
 Sutherlin Quadrangle
 Foraminifera: Dodds, 1963; Miles, 1977a; Thoms, 1965
 Invertebrates: Dodds, 1963
 Svensen Quadrangle
 Invertebrates: Allison and Addicott, 1976; Dodds, 1963
Talpidae: Hutchinson, 1968
Tapirira: Manchester, 1977
Tapiroidea: Radinsky, 1963
 Tarheel Formation
 Arthropoda/Invertebrates: Armentrout, 1967
 Taricha: Naylor, 1979
 Taxodium: Chaney, 1950; Chaney and Axelrod, 1954
 Temnocyon: Eyerman, 1894
 Tempskya: Brown, 1936; Dake, 1969a; Read and Brown, 1937
 Tephrocyon: Merriam, 1913
 Teredo: Dake, 1942; Wharton, 1935; 1936a; 1937
 The Dalles see Wasco Co., The Dalles
 Tiliac: Lamotte, 1936a
Tillamook County
 Flora/Foraminifera: Warren et al., 1945; Washburne, 1914
 Invertebrates: Addicott, 1981a; Allison and Addicott, 1976; Baldwin, 1964; Clark, 1925; Warren, et al., 1945; Washburne, 1914
 Tillamook Co., Cape Kiwanda
 Invertebrates: Snively and Vokes, 1949
 Tillamook Co., Cape Lookout State Park
 Invertebrates: Magnus, 1967
 Tillamook Co., Cape Meares
 Foraminifera: Turner, 1970
 Tillamook Co., Cascade Head
 Foraminifera: Callender, 1977; Turner, 1970
 Tillamook Co., Oswald West State Park
 Trace Fossils: Niem, et al., 1973
 Tillamook Co., Sand Lake Bog
 Pollen: Hansen, 1941a
 Tillamook Volcanics
 Foraminifera: Baldwin, 1964; Warren, et al., 1945
 Invertebrates: Warren, et al., 1945
 Timber Quadrangle
 Foraminifera: Deacon, 1953; Robertson, 1972
 Invertebrates: Deacon, 1953; Hickman, 1974
 Radiolaria/ Nannoplankton: Robertson, 1972
 Titanothera: Anderson, 1971
 Toledo Formation
 Anacanthin fish: David, 1956
 Foraminifera: Cushman, et al., 1947; McWilliams, 1968; Rau, 1964; Stewart, 1956a
 Invertebrates: Hickman, 1968; 1969
Trace fossils
 Adegoke, 1967; Harper, 1983; Niem, et al., 1973; Smith, 1975
 Trigonidae: Packard, 1921a; Poulton, 1980
 Trilobite: Buddenhagen, 1967
 Triplochiton: Manchester, 1979
 Triplochitioxylon: Manchester, 1979
 Trochodendroxylon: Hergert and Phinney, 1954
 Trout Creek Flora see Flora, Trout Creek
 Troutdale Flora see Flora, Troutdale
 Trowbridge Formation
 Invertebrates: Dickinson and Vigrass, 1965; Imlay, 1964; 1981; Lupher, 1941
 Tunnel Point Formation
 Invertebrates: Dall, 1891; 1897; Moore, 1976; Schenck, 1927a; Weaver, 1945a
 Turridae: Hickman, 1975; 1976
 Turritella: Merriam, 1930
 Turtle see Vertebrates/Reptilia
 Tyee Formation
 Corals/Crinoids/Echinoderms: Nelson, 1966
 Diatoms: Bird, 1967
 Fauna: Baldwin, 1963
 Flora: Born, 1963; Vokes, et al., 1951
 Foraminifera: Baldwin, 1961; Bird, 1967; McKeel, 1971; McKeel and Lipps, 1975; McWilliams, 1968; Rau, 1974; Stewart, 1956a; Thoms, 1975; Vokes, et al., 1951
 Fairview-McKinley, Coos Co.: Nelson, 1966
 Glide Quadrangle: Thompson, 1968
 Newport, Lincoln Co.: Snively, et al., 1969
 Powers Quadrangle: Born, 1963

Tyee Formation, cont.

- Invertebrates: Baldwin, 1961; Berthiaume, 1935; Bird, 1967; Hoover, 1963
- Eocene: Turner, 1938
- Fairview-McKinley, Coos Co.: Nelson, 1966
- Sacchi Beach, Coos Co.: McWilliams, 1968; 1974; Rau, 1974
- Radiolaria: Bird, 1967
- Tyee Quadrangle
- Foraminifera: Thoms, 1965
- Tylocephalonyx: Coombs, 1979

Umatilla County

- Fauna: Mullen, 1978
- Vertebrates: Arneson, 1942; Black, 1963; Hogenson, 1964; Hutchinson, 1968
- Umatilla Co., McKay Reservoir
- Birds: Brodtkorb, 1958
- Vertebrates: Newcomb, 1966; Repenning, 1968a; Sargent and Shotwell, 1950; Shotwell, 1956; 1958a
- Arvicolinae: Repenning, 1968
- Dipoides: Shotwell, 1955
- Peromyscus: Shotwell, 1967a
- Rodentia: Shotwell, 1967
- Talpidae: Hutchinson, 1968
- Umatilla Co., Pendleton
- Flora: Beck, 1945; 1945a
- Umatilla Co., Pilot Rock
- Flora: Elmendorf and Fisk, 1978; West, 1961
- Vertebrates: Arneson, 1942
- Umatilla Co., Westend Blowout
- Vertebrates: Shotwell, 1958a
- Umbellularia: Chaney, 1925c
- Umpqua Formation
- Baldwin, 1963
- Bryozoa: Thoms, 1965
- Echinoderms: Nelson, 1966; Thoms, 1965
- Fauna: Nelson, 1966
- Flora: Born, 1963
- Foraminifera: Baldwin, 1965; Hoover, 1963; McKeel and Lipps, 1975; Nelson, 1966; Rau, 1973a; Stewart, 1957; Thompson, 1968; Thoms, 1965; 1975
- Invertebrates: Baldwin, 1966; 1969; Berthiaume, 1935; Born, 1963; Hendon, 1926; Hoover, 1963; Nelson, 1966; Thoms, 1965; 1975; Turner, 1938
- Umpqua River
- Fauna: Baldwin, 1961
- Umpqua River Valley
- Flora: Detling, 1961
- Unio condoni: Sterns, 1902a
- Union County**
- Diatoms, Moore, 1937; Smith, 1934; Wagner, 1969
- Flora: Hampton and Brown, 1964
- Union Co., LaGrande
- Vertebrates: Mielke and Long, 1969; Quaintance, 1966; 1969
- University of California, Exploring Expedition, 1899
- Merriam, 1899; Miller, 1899
- U.S. Exploring Expedition, 1842, 1843-1844
- Fremont, 1845; Isbister, 1855
- Upper Chewaucan Marsh
- Pollen: Hansen, 1947a

Valsetz Quadrangle

- Fauna: Baldwin, 1964; Snavely and Baldwin, 1948
- Vaquerosella: Durham, 1957
- Vernonia Quadrangle
- Foraminifera/Invertebrates: Deacon, 1953

Vertebrates

- Cope, 1889a; 1889e; 1894; Hay, 1927; Kellogg, et al., 1927; McCornack, 1920; Orr and Orr, 1981; Perkins, 1842; Scott, 1894; U.S. B.L.M., 1981
- Amphibia: Naylor, 1979; Steere, 1958; VanFrank, 1955
- Amphisbaenidae: Berman, 1976
- Antelope Springs, Wasco Co.: Coombs, 1978; Holland and Peterson, 1914; Peck, 1964; Terry, 1891
- Aplodontidae: Rensberger, 1975
- Archaelurus: Cope, 1879a
- Arlington, Gilliam Co.: Beck, 1940
- Artiodactyla: Furlong, 1932; Scott, 1899; Sinclair, 1905
- Agriochoerus: Thorpe, 1921b
- Eporeodon: Thorpe, 1921
- Merycochoerus: Bettany, 1876; Thorpe, 1924a
- Oreodontoides: Thorpe, 1924
- Ovis: Thoms and Smith, 1973
- Peccaries: Colbert, 1938; Loomis, 1910; Marsh, 1871; Stirton and Woodburne, 1965; Thorpe, 1925a; Wood, 1935
- Promerycochoerus: Thorpe, 1921a
- Arvicolinae: Repenning, 1968
- Ashwood, Jefferson Co.: Peck, 1964
- Baker Co.: Cope, 1883b; Dall and Harris, 1892; Downs, 1952; Osborn, 1936
- Bear Cr., Crook/Deschutes Co.: Lowry, 1940
- Beatys Butte, Harney Co.: Dawson, 1956; Walker, 1960; Walker and Repenning, 1965; Wallace, 1946
- Benton Co.: Buckley, 1968
- Beulah, Malheur Co.: Bowen, 1956
- Black Butte, Malheur Co.: Hutchinson, 1968; Shotwell, 1963; 1967; 1967a; 1970; Shotwell and Russell, 1963
- Boardman, Morrow Co.: Shotwell, 1958a
- Bridge Creek, Wheeler Co.: Leidy, 1870a; 1871; 1871a; 1873
- Butte Creek Volcanic Sandstone: Kittleman, et al., 1967; Shotwell, 1968
- Camelidae: Cope, 1886a; Lull, 1921; Wortman, 1898
- Canidae
- Aelurodon: Vanderhoof and Gregory, 1940
- Allocyon: Merriam, 1930
- Araecyon: Thorpe, 1922
- Hypotemnodon: Eyerman, 1896
- John Day Formation: Condon, 1896; Cope, 1882; 1883; Loomis, 1931; Matthew, 1903; 1903a; Merriam, 1906; Wortman and Matthew, 1899
- Mascall Formation: Merriam, 1906
- Nimravus: Toohey, 1959
- Nothocyon: Hall and Martin, 1930
- Pliocyon: Thorpe, 1921c
- Temnocyon: Eyerman, 1894; 1896
- Tephrocyon: Merriam, 1913
- Carnivora: Stock, 1930; 1933
- Castoridae: Shotwell, 1955; Stirton, 1935; Wilson, 1934
- Chalicotheriidae: Coombs, 1979; Holland and Peterson, 1914; Marsh, 1877; Munthe and Coombs, 1979; Skinner, 1968
- Chiroptera: Brown, 1959
- Clackamas Co.: Osborn, 1936
- Christmas Lake, Lake Co.: Russell, 1884
- Clarno Formation: Anderson, 1971; Erickson, 1954; Hansen, 1973; Hodge, 1942; Lowry, 1940; Mellett, 1969; Merriam, 1907
- Clarno Mammal Quarry: Hancock, 1962; Mellett, 1969
- Columbia River: Buwalda and Moore, 1927; 1930
- Coos Bay, Coos Co.: Diller, 1901
- Corral Buttes, Lake Co.: Walker, 1960; Walker and Repenning, 1965

Vertebrates, cont.

Crooked River: Leidy, 1871a; 1873
 Deer Butte Formation: Kittleman, et al., 1967; Shotwell, 1968
 Deschutes River: Hodge, 1932
Diceratherium: Troxell, 1921
Didelphidae: Stock, 1936; Stock and Furlong, 1922
Dicotylinae: Cope, 1888
Dinocerta: Marsh, 1886
Dipoides: Shotwell, 1955
 Drewsey Fm.: Shotwell, 1963; 1963a; 1970
 Drinkwater, Harney Co.: Shotwell, 1963a
Edentata: Cope, 1889; Mielke and Long, 1969; Packard, 1949; 1952; Quaintance, 1966; 1969; Sinclair, 1906; Stock, 1935
Equidae: Adams, 1941; Buwalda, 1920; Cope, 1886; Drake, 1878; Gidley, 1907; Leidy, 1865; Marsh, 1874; Stirton, 1940
 Biogeography: Shotwell, 1961
Anchitherium: Cope, 1879d
 Columbia Basin: Beck, 1948a
Hipparion: Merriam, 1915; 1916
Hippidium: Cope, 1880c
Hippotherium: Cope, 1889c
 Mascall Fm.: Bode, 1933; Gidley, 1906
Merychippus: Maxson, 1928
Miohippus: Marsh, 1894a
 Post, Crook Co.: Beck, 1948
 Eugene, Lane Co.: Steere, 1958
Felidae: Adams, 1896; Eaton, 1922; Toohey, 1959
 John Day Fm.: Cope, 1879a; 1880a; 1882; Merriam, 1906
 Mascall Fm.: Merriam, 1906
 Fossil Lake, Lake Co.: Allison, 1966; Cope, 1889d; Dall and Harris, 1892; Elftman, 1931; Hibbard, 1965; Miller, 1912; Packard, 1937; Sternberg, 1909
Geomyidae: Rensberger, 1968; 1971; 1973; Shotwell, 1967
 Grant Co. see Grant Co./Vertebrates
Haplomys: Rensberger, 1975
Hemipsalodon: Mellett, 1969
Heterosorex: Mawby, 1960
Hoplophoneus: Cope, 1879a
 Iron Mountain, Wheeler Co.: Hancock, 1962
 Ironside, Malheur Co.: Merriam, 1916a
 John Day Fm. see John Day Formation/Vertebrates
 Jordan Valley Quadrangle: Walker and Repenning, 1966
 Juntura Basin: Shotwell, 1963
 Klamath Falls Quadrangle: Walker, 1963
 Klamath Lake, Klamath Co.: Cressman, 1942
 Klamath River Basin: Newcomb, 1958; Myers and Newcomb, 1952
 Krebs Ranch, Gilliam Co.: Shotwell, 1958a
 Lake Co.: Allison, 1940; Peterson, 1959
 Lake Idaho: Smith, 1980
 Madras Quadrangle: Hodge, 1940
 Malheur Co. see Malheur Co./Vertebrates
 Mascall Fm.: see Mascall Fm./Vertebrates
 Maury Mtns., Crook Co.: Mote, 1939
 Mitchell Quad.: Taylor, 1960
Moropus see Chalicotheriidae
Mustelidae: Hall, 1931; 1944; Scott, 1893
Mylogaulodon: Sinclair, 1903
Oreodontidae: Cope, 1884; 1884a; Grant, 1941; Grimes, 1899; Lander, 1972; Schultz and Falkenbach, 1958; Scott, 1890; Thorpe, 1924; 1925
Oreolagus: Dawson, 1956
 Otis Basin, Malheur Co.: Shotwell, 1963a
Ovis: Thoms and Smith, 1973

Owyhee, Malheur Co.: Kittleman, 1965; Kittleman, et al., 1967
Palaeotaricha: VanFrank, 1955
Perissodactyla: Cope, 1887; Sinclair, 1905
Peromyscus: Shotwell, 1950; 1967a
 Picture Gorge Quad.: Coleman, 1949
 Pilot Rock, Umatilla Co.: Arneson, 1942
Proboscidea: Arneson, 1942; Avery, 1938; Brown, 1980; Downs, 1952; Hansen and Packard, 1949; Mielke and Long, 1969; Osborn, 1936; Perkins, 1842a
Procyonidae: Wortman and Matthew, 1899
Protapirus: Sinclair, 1901
 Rattlesnake Formation see Rattlesnake Fm./Vertebrates
 Reptilia
Pterosaur: Gilmore, 1928; Howard, 1955; Lawson, 1975
 Lizard/Snake: Berman, 1976; Gilmore, 1938
 Turtle: Brattstrom and Sturn, 1959; Downs, 1956; Fry, 1973; Hay, 1903; 1908; Packard, 1940; Sternberg, 1881
Rhinocerotidae: Brogan, 1950; Cope, 1879c; Loomis, 1908; Shotwell, 1964; Troxell, 1921
Rodentia: Martin, 1979; Shotwell, 1958; Wilson, 1938; 1938a; 1949
Heteromyid: Wood, 1936
 John Day Fm.: Sinclair, 1905; Wood, 1935
Mylogaulodon: Sinclair, 1903
Oreolagus: Dawson, 1956
Peromyscus: Shotwell, 1950; 1967a
 Rome, Malheur Co. see Malheur Co., Rome
Sciuridae: Black, 1963
 Silver Lake see Lake Co., Silver Lake
 Skull Springs, Malheur Co.: Gazin, 1932; Skinner, 1968; Wallace, 1946
Soricidae: Hutchinson, 1966; Mawby, 1960; Repenning, 1967a
 Sucker Creek Formation: Kittleman, et al., 1967; Russell, 1903; Scharf, 1935; Skinner, 1968; Wallace, 1946
Talpidae: Hutchinson, 1968
Tapiridae: Merriam, 1913a; Radinsky, 1963; Sinclair, 1901
Taricha: Naylor, 1979
 The Dalles, Wasco Co.: Gibbs, 1885; Leidy, 1871; Newberry, 1869; Newcomb, 1966
 Umatilla Co.: Hogenson, 1964
Ursidae: Merriam and Stock, 1926; 1927; Merriam, et al., 1916; Packard and Allison, 1980
 Warm Springs, Jefferson Co.: Dingus, 1979; Woodburne and Robinson, 1977
 Westend Blowout, Umatilla Co.: Shotwell, 1958a
 Yonna Fm.: Newcomb, 1958
 Vertebrate catalogue: U.S. B.L.M., 1981
 Vertebrate dating: Evernden, et al., 1964; Hester, 1950; Hibbard, 1965
 Vertebrate research: Merriam, 1924; Merriam and Chaney, 1924
Volutidae: Dall, 1907

Wallowa County

Corals: Morrison, 1963
 Diatoms: Moore, 1937; Wagner, 1969
 Invertebrates: Morrison, 1963; 1964; Wagner, 1958
 Wallowa Co., Enterprise
 Invertebrates: Imlay, 1967; 1968
 Wallowa Co., Pittsburg Landing
 Invertebrates: Imlay, 1981

- Wallowa Mtns.
 Crinoids/Echinoderms: Smith and Allen, 1941
 Invertebrates: Smith, 1928; Smith and Allen, 1941
 Marine vertebrates: Katsura and Orr, 1982
- Warner Lake Marsh
 Pollen: Hansen, 1947a
- Wasco County**
 Birds: Miller, 1957
 Flora: Peck, 1964
 Vertebrates: Coombs, 1978; Gibbs, 1885; Holland and Peterson, 1914; Leidy, 1871
- Wasco Co., Cherry Cr.
 Flora: Lesquereux, 1888
- Wasco Co., The Dalles
 Birds: Miller, 1957
 Diatoms: Newberry, 1855
 Flora: Chaney, 1941; 1944a; Newberry, 1869; 1898; Smiley, 1963
 Invertebrates: Newberry, 1869
 Vertebrates: Gibbs, 1885; Leidy, 1871; Newberry, 1869
- Washington County**
 Arthropoda: Rathbun, 1932; Steere, 1957
 Foraminifera: Thoms, 1969
 Echinoderm: Clark, 1937
 Invertebrates: Durham, 1942a; Niem, et al., 1973; Schenck, 1933; Steere, 1957
 Marine vertebrates: Applegate, 1968; Niem, et al., 1973
 Nannoplankton/Radiolaria: Robertson, 1972
 Pollen: Hansen, 1942a
- Weberg Formation
 Invertebrates: Kummell, 1954; Taylor, 1977
 Marine vertebrates: Lupper, 1941
- Wheeler County**
 Fish: Cavender, 1969
- Flora
 Clarno Fm.: Andrews, 1971; Arnold, 1945; 1952; 1964; 1970; Arnold and Daugherty, 1963; 1964; Axelrod, 1966; Berry, 1929; Bones, 1959; 1979; Chandler, 1964; Chaney, 1923; 1936; 1940; 1949; Hergert, 1961; Hodge, 1942; Knowlton, 1901a; Manchester, 1979; 1980; 1981; Pabst, 1968; Peterson, 1964; Scott, 1955; Swarbrick, 1953
 John Day Fm.: Arnold, 1952; 1964; 1970; Arnold and Daugherty, 1963; 1964; Bowers, 1953; Brown, 1959; Chaney, 1925; Howard, 1955; Peterson, 1964
 Fusulinids: Bostwick, 1968
 Invertebrates: Bowers, 1953; Peterson, 1963; Popenoe, et al., 1961
 Vertebrates: Coombs, 1978; Downs, 1956; Hancock, 1962; Leidy, 1870a; 1871; 1871a; 1873; Mellett, 1969; Sternberg, 1881; Stirton, 1944; Thorpe, 1821a; 1922a
 Reptilia: Gilmore, 1928; Howard, 1955; Lawson, 1975
- Wheeler Co., Clarno
 Vertebrates: Thorpe, 1921a; 1922a
- Wheeler Co., Clarno Mammal Quarry: Hancock, 1962; Mellett, 1969; McKee, 1969
- Wheeler Co., Clarno Nut Beds: Bones, 1959; 1979; Hansen, 1973; Janes, 1971; Manchester, 1976; 1980; 1981; McKee, 1969
- Wheeler Co., Dugout Cr.
 Invertebrates: Peterson, 1964
- Wheeler Co., Fossil
 Flora: Brown, 1959
 Vertebrates: Naylor, 1979
- Wheeler Co., Haystack Valley
 Vertebrates: Hall and Martin, 1930; Lull, 1921; Schultz and Falkenbach, 1958; Shotwell, 1967a; Thorpe, 1921a
- Wheeler Co., John Day
 Flora: Merriam, 1924
 Fusulinids: Bostwick, 1968
 Invertebrates: Buwalda, 1927; Dall and Harris, 1892
 Radiolaria: Jones, et al., 1976
 Vertebrates: Merriam, 1915; 1916; 1924; Merriam and Stock, 1927; Merriam, et al., 1917; Stirton, 1940
- Wheeler Co., Knox Ranch
 Flora: Arnold, 1952; Peterson, 1964
- Wheeler Co., Mitchell
 Flora: Chaney, 1925b
- Wheeler Co., Ochoco Pass
 Fish: Cavender, 1968; Dubar, 1950; Lundberg, 1975
 Invertebrates: Dubar, 1950; Packard, 1929; 1929a; Packard and Lupper, 1928; 1929
 Marine Vertebrates: Dubar, 1950
- Wheeler Co., Silver Wells
 Vertebrates: Scott, 1893
- Wheeler Co., Tony Butte
 Foraminifera: Bowers, 1953
- Wheeler Co., White Butte
 Fauna: Howard, 1955
- Whitsett Limestone
 Diatoms: Nelson and Schenck, 1929; 1930
 Echinoderms: Johnson, 1965
 Foraminifera: Imlay, et al., 1959
 Invertebrates: Imlay, et al., 1959; Johnson, 1965
- Willamette Basin
 Foraminifera/Invertebrates: Newton, 1969
- Willamette Junction Flora see Flora, Willamette Junction
- Woodwardia: Knowlton, 1910
- Yale Expedition, 1871**
 Marsh, 1873; 1874
- Yamhill County**
 Diatoms: Schenck, 1927
 Fauna: Washburne, 1914
 Invertebrates: Schenck, 1933
- Yamhill Co., Mt. Hebo
 Invertebrates: Vokes, 1956
- Yamhill Co., Yamhill
 Foraminifera: McKeel and Lipps, 1975
- Yamhill Formation
 Foraminifera: Baldwin, 1964; Baldwin, et al., 1955; Boggs, et al., 1973; Gaston, 1974; McKeel and Lipps, 1975; McWilliams, 1968; 1973; Rau, 1964; 1974; Robertson, 1972; Steere, 1959
 Stewart, 1957
 Invertebrates: Baldwin, 1964; Baldwin, et al., 1955
 Marine vertebrates: Applegate, 1968; Baldwin, 1964; Welton, 1972
- Yaquina Formation
 Anacanthin fish: David, 1956
 Biostratigraphy: Armentrout, 1975a
 Foraminifera: McKeel, 1971; McKeel and Lipps, 1975; Rau, 1964; Snively, et al., 1969
 Invertebrates: Addicott, 1966; Gamer, 1971; Harrison and Eaton (firm), 1920; Javipour, 1973; Snively and Vokes, 1949; Steere, 1964; Vokes, et al., 1949
 Marine vertebrates: Barnes, 1976; Emlong, 1966; Orr and Miller, 1983; Welton, 1979
- Yonna Formation**
 Fauna: Newcomb, 1958
 Fish: Cavender and Miller, 1972