WYOMING STATE GEOLOGICAL SURVEY
Gary B. Glass, State Geologist

BIBLIOGRAPHY AND INDEX
OF GRADUATE THESES
AND DISSERTATIONS
OF THE
DEPARTMENT OF
GEOLOGY AND GEOPHYSICS,
UNIVERSITY OF WYOMING

compiled by
Cynthia S. Boyd and Alan J. Ver Ploeg

Information Pamphlet 3
LARAMIE, WYOMING
1995
Supportive Services Section
Susanne G. Bruhnke - Office Manager
Peggy Hopkins - Administrative Secretary

Publications Section
Richard W. Jones - Editor
Teresa L. Beck - Editorial Assistant
Frances M. Smith - Sales Manager
Fred H. Porter, III - Cartographer
Phyllis A. Ranz - Cartographer

Geologic Sections
W. Dan Hausel, Senior Economic Geologist - Metals and Precious Stones
James C. Case, Staff Geologist - Geologic Hazards
Rodney H. De Bruin, Staff Geologist - Oil and Gas
Ray E. Harris, Staff Geologist - Industrial Minerals and Uranium
Alan J. Ver Ploeg, Staff Geologist - Geologic Mapping
P. Daniel Vogler, Staff Geologist - Coal
Robert W. Gregory, Laboratory Technician

INFORMATION PAMPHLET 3
1,000 copies printed by Central Printing Division, Wyoming Department of Administration and Information.

People with disabilities who require an alternative form of communication in order to use this publication should contact the Editor, Wyoming State Geological Survey at (307) 766-2286. TDD Relay Operator 1(800) 877-9975.

This and other publications available from:
Wyoming State Geological Survey
P.O. Box 3008, University Station
Laramie, Wyoming 82071-3008
(307) 766-2286; FAX (307) 766-2605

Printed on 50% recycled fiber paper.
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION</td>
<td>2</td>
</tr>
<tr>
<td>AUTHORS AND TITLES</td>
<td>3</td>
</tr>
<tr>
<td>SUBJECT INDEX</td>
<td>43</td>
</tr>
</tbody>
</table>
INTRODUCTION

This publication revises and updates previous bibliographies compiled by the staff of the Geology Library at the University of Wyoming and the Wyoming State Geological Survey. The authors thank Josephine Battisti, Janet French, and Rodney H. De Bruin for their contributions to the 1985 version of this publication, and Christine L. Van Burgh, Gary B. Glass, and Sheila M. Roberts for their contributions to the 1989 version. In this bibliography, author and title entries not marked as Doctoral Dissertations (PhD) are Master's Theses.

Any additions or corrections to the Author and Title Section of this bibliography should be sent to the Wyoming State Geological Survey for inclusion in later editions of this compilation. In most cases, indexing was only based on the titles of the theses and dissertations. Because of this, a user should check under as many index headings as possible to ensure finding all references on a given subject or area. Additions or corrections to the indexing of this bibliography are also solicited.

The Wyoming State Geological Survey does not guarantee the accessibility or availability of any theses or other original materials listed here.

Blueline copies of thesis and dissertation maps are available from the Wyoming State Geological Survey if an author's name in the Author and Title Section is preceded by an asterisk. Please call (307) 766-2286 or write the Wyoming State Geological Survey, P.O. Box 3008, University Station, Laramie, Wyoming 82071-3008 for availability and prices for thesis maps.
AUTHORS AND TITLES

ABRAMS, D.C. - 1897 - Ilmenite beds in southeastern Wyoming.

ADAMS, P.R. - 1972 - Foraminiferal biostratigraphy and paleoecology of the Hilliard Formation type area, Lincoln County, Wyoming.


AHRLBRANDT, T.S. - 1973 - PhD - Sand dunes, geomorphology, and geology, Killpecker Creek area, northern Sweetwater County, Wyoming.


*ALLSPACH, H.G. - 1955 - Geology of a part of the south flank of the Seminole Mountains, Carbon County, Wyoming


ANDERSON, V.H. - 1959 - Glaciological observations in Marie Byrd Land, Antarctica.

ANDERSSON, K.A. - 1978 - Early lithification of limestones in the Red Water Shale Member of the Sundance Formation (Jurassic) of southeastern Wyoming.


*ANDRAU, W.E. - 1958 - Geology of the West Pine Creek area, Bonneville County, Idaho.

ANTWEILER, R.C. - 1981 - PhD - The chemistry of weathering of a Pliocene volcanic ash: field and laboratory studies.

*ARY, M.D. - 1959 - Geology of the eastern part of the Thermopolis and Lucerne anticlines, Hot Springs County, Wyoming.


ATHERTON, C.C. - 1972 - Planktonic foraminiferal biostratigraphy of the Niobrara Formation, Centennial Valley, Albany County, Wyoming.


BAKER, F.B. - 1993 - Deformation across the San Andreas Fault near Parkfield, California.


BALCELLS, R. - 1978 - Stratigraphy, age, and paleoecology of benthonic foraminifera from the type Kevin shale member, Marias River Formation, northwestern Montana.

BALDWIN, E.A. - 1976 - Paleoecology of benthonic foraminifera from the Fort Hays member, Niobrara Formation, west-central Kansas.

BALDWIN, H.T. - 1935 - The genesis of the sediments of Wind River age in the Laramie Basin.

BALSAM, R.C. - 1986 - Geology and geophysics of the South Pass area, Fremont County, Wyoming.


BARNES, W.C. - 1958 - Geology of the North Park syncline area, Jackson County, Colorado.

*BARNWELL, W.W. - 1955 - The geology of the south Hahns Peak district.


BARRON, A.M. - 1982 - The effects of thermal cycling on the magnetic properties of Lunar analogs.

*BARTON, R. - 1974 - Geology of the Keneday Peak-Pennock Mountain area, Carbon County, Wyoming.


BEATTY, C.A. - 1985 - Foraminiferal evidence for the development of anoxic conditions, Niobrara Formation (Upper Cretaceous), Boulder, Colorado, with paleoceanographic implications for the western interior seaway.
* BECK, F.M. · 1959 · Geology of the Sphinx Mountain area, Madison and Gallatin Counties, Montana.

* BEKKAR, H. · 1973 · Laramide structural elements and relationship to Precambrian basement, southeastern Wyoming.

BELL, L.H. · 1968 · Stratigraphy and depositional history of the Cambrian Flathead Sandstone, northern Park County, Wyoming.

* BELL, W.G. · 1955 · PhD · The geology of the southeastern flank of the Wind River Mountains, Fremont County, Wyoming.

BENAISSA, S. · 1977 · Geologic factors influencing oil and gas accumulation, southeast flank Rock Springs uplift, Sweetwater County, Wyoming.

* BENEDICT, J.F. · 1982 · The geology and mineral potential of the Schiestler Peak area, Temple Peak Quadrangle, Wyoming.


BERG, R.M. · 1988 · Processing and interpretation of a seismic line across the resurgent dome of Long Valley caldera, California.

BERG, W.R. · 1980 · Subsidence due to underground mining in the Hanna Coal Field, Carbon County, Wyoming.

BERGSTRESSER, T.J. · 1978 · Planktonic foraminifera from the lower part of the Niobrara Formation, LaPorte, Colorado.

BERGSTRESSER, T.J. · 1981 · PhD · Foraminiferal biostratigraphy and paleobathymetry of the Pierre Shale, Colorado, Kansas, and Wyoming.

* BERGSTROM, J.R. · 1950 · Geology of the east portion of Casper Mountain and vicinity.

BERGSTROM, J.R. · 1954 · PhD · The stratigraphy of the Mesaverde Formation of southeastern Wyoming.

* BERMAN, J.E. · 1955 · Geology of the Elk Mountain and Tabernacle Butte area, Sublette County, Wyoming.

BERNASKI, G.E. · 1985 · Laramide deformation in the southeast Uinta Mountains, Colorado and Utah.

* BERRY, R.M. · 1950 · Tertiary stratigraphy of the Bates Hole-Alcova region, central Wyoming.

* BERRYMAN, R.J. · 1942 · The geology of the Deer Creek-Little Deer Creek area, Converse County, Wyoming.

BERRYMAN, W.M. · 1973 · Lithology and environment of deposition of Pliocene rocks cored at Elk Hills, Kern County, California.

* BERTAGNOLLI, A.J., Jr. · 1940 · Geology of the southern part of the La Barge Ridge, Lincoln County, Wyoming.

* BICKFORD, F.E. · 1977 · Petrology and structure of the Barlow Gap area, Wyoming.


BLACK, P.R. - 1974 - A quantitative test of a subduction model for observed heat-flow distributions in the western United States.


BLACKSTONE, R.E. - 1976 - Contact relationships of Laramie anorthosite and associated rocks, Poe Mountain area, Albany County, Wyoming.

BLAIR, K.P. - 1984 - Structural analysis of the Paired Ridges syncline, Montgomery County, Arkansas.


BLUM, A. - 1984 - Chemical weathering and controls on the chemistry of infiltrating solutions in a forested watershed, Medicine Bow Mountains, Wyoming.


BOHN, D. - 1990 - PhD - Laramide shortening and Neogene extension superposed on a Precambrian structural grain near Little Basin, Seminoe and Shirley Mountains, Carbon County, Wyoming.

*BOLES, J.R. - 1968 - Zeolites and authigenic feldspar along a part of the Beaver Rim, Fremont County, Wyoming.

BOODOO, W. - 1976 - A sand development study of the lower member of the late Miocene, Morne l'Enfer Formation, south of the Los Bajos fault, Trinidad, W.I.


BOYD, N.G.K., III - 1994 - PhD - Crustal structure of the Archean Minnesota River Valley Subprovince, Superior Province, from seismic data.


BRADFORD, C.E. - 1934 - Structure of the southern part of Sheep Mountain, Albany County, Wyoming.

* BRADY, R.T. - 1949 - Geology of the east flank of the Laramie Range in the vicinity of Federal and Hecla, Laramie County, Wyoming.

* BRAGDON, F.F. - 1965 - Geology of the Fish Spring Creek and adjacent area, Lincoln and Sublette Counties, Wyoming.

BRAIN, T.H. - 1993 - Facies analysis and depositional environments of the Late Cretaceous (Campanian) Hatfield Sandstone Member of the Haystack Mountains Formation, Rawlins, Wyoming.


* BRECKENRIDGE, R.M. - 1969 - Neoglacial geology of Upper Fall Creek Basin, Mummy Range, Colorado.

* BRECKENRIDGE, R.M. - 1974 - PhD - Quaternary and environmental geomorphology of the upper Wood River area, Absaroka Range, Wyoming.


* BROOKS, B.G. - 1957 - The geology of the Wheatland Reservoir area, Albany County, Wyoming.


BUCHHEIM, H.P. - 1978 - PhD - Paleolimnology of the Laney member of the Eocene Green River Formation.


BUELOW, K.L. - 1980 - Geothermal studies in Wyoming and northern Colorado, with a geophysical model of the southern Rocky Mountains near the Colorado-Wyoming border.


Burch, E. - 1982 - Tensleep Sandstone - diagenetic relation to tilted oil-water contacts in oil fields of the southeast Big Horn [sic] Basin.


BURKE, M.M. - 1987 - Compressional wave velocities in rocks from the Ivrea-Verbano and Strona-Ceneri Zones, Southern Alps, Northern Italy: implications for models of crustal structure.

BURNS, B.A. - 1992 - PhD - The stratigraphic response of alluvial depositional systems to changes in base-level; an example from Ebro Basin of Spain.


CAPARCO, N.J. - 1989 - Callovian and Oxfordian Foraminifera from the Late Jurassic of northern and western Wyoming.

CARBONELL, R. - 1991 - PhD - Reflectivity analysis, scattering and full, wave form inversion in seismic reflection data from the Basin and Range, Nevada.


CAREY, B.D., Jr. - 1950 - Geology of the eastern part of Flat Top anticline, Albany and Carbon Counties, Wyoming.

CAREY, B.D., Jr. - 1959 - PhD - Geology of the Rattlesnake Hills Tertiary volcanic field, Natrona County, Wyoming.


CASSILIANO, M.I. - 1976 - Stratigraphy and paleontology of the Horse Creek-Trail Creek area, Laramie County, Wyoming.

* CASTRO, E.J. - 1962 - A subsurface study of the Tipton member of the Green River Formation west of the Rock Springs uplift.


CHAMBERS, H.P. - 1988 - A regional ground motion model for historical seismicity along the Rock Creek fault, western Wyoming.


* CHILDERS, M.O. - 1957 - The geology of the French Creek area, Albany and Carbon Counties, Wyoming.

CHRONIC, L.M. - 1988 - The interrelation of fauna and lithology across a Late Cambrian biomere boundary in Wyoming.


CLAUSEN, E.N. - 1969 - PhD - Piping, slope development, and field sampling studies of Wyoming badlands.


CLOW, D.W. - 1992 - PhD - Weathering rates from field and laboratory experiments on naturally weathered soils.


CODY, R.D. - 1962 - Foraminifera from one section of the late Cretaceous Steele Shale, Mesaverde Group, and Lewis Shale, Carbon County, Wyoming.

COLBURN, R.H. - 1989 - Alias suppression and inversion of slant stacks from deep crustal refraction data: examples from the Great Valley, California, and the 1986 Nevada Passcal experiment.


*COOPER, H.T. - 1951 - Geology of the western Seminoe Mountains.


COZZENS, J.R. - 1988 - A shear vertical seismic profile in Dawson County, Texas.


CREWS, S.G. - 1990 - PhD - Structure, syntectonic sedimentation, and stratigraphy of asymmetrical non-marine basins.

CROSSEY, L.J. - 1985 - PhD - The origin and role of water soluble organic compounds in clastic diagenetic systems.


CUTLER, E.R. - 1984 - Geology of the upper Green River area between the Gros Ventre and Wind River Mountains, Sublette County, Wyoming.

DALEY, R.L. - 1987 - Patterns and controls of skeletal silification in a Mississippian fauna, northwestern Wyoming.

DAM, W.L. - 1984 - The geochemistry of metals in ground waters after in-situ uranium mining.


DAVIS, J.C. - 1967 - PhD - Petrology of the Mowry Shale.


DEEMER, S.J. - 1985 - Seismic reflection profiling in the Long Valley caldera, California: data acquisition, processing, and interpretation.

DEISS, A.P. - 1978 - Planktonic foraminifera from the type area of the Fort Hays member of the Niobrara Formation, west central Kansas.

*DeJARNETT, J.G. - 1984 - Stratigraphy, sedimentation, corals, and paleogeographic significance of the Mississippian sequence at Mt. Darby, Overthrust Belt, Wyoming.


*DEL MONTE, L. - 1949 - Correlation of the Pennsylvanian and Permian rocks, southeastern Wyoming.

*DENAULT, K.J. - 1967 - Geology and distribution of copper, lead, and zinc in streams and soil, Broadway Mine area, Carbon County, Wyoming.

DENGIO, G. - 1946 - Geology of the bentonite deposits near Casper, Natrona County, Wyoming.

DENIS, J.R. - 1982 - The location and origin of uranium deposits in the Cutler Formation in the Lisbon Valley anticline, southeastern Utah.

DESMOND, R.J. - 1985 - Stratigraphy and depositional environments of the Middle member of the Minnelusa Formation, central Powder River Basin, Wyoming.

DIAMOND, J.L. - 1989 - Mineralogical controls on rock magnetism in the Sierra San Pedro Martin Pluton, Baja California, Mexico.


* Dimitroff, P.B. - 1968 - Structural geology of Foote Creek anticline and adjacent area, Carbon and Albany Counties, Wyoming.

* Dockery, W.L. - 1939 - Underground water resources of Horse Creek and Bear Creek valleys, southeastern Wyoming.

Doehring, D.O. - 1968 - PhD - A procedure for discriminating between pediments and alluvial fans from topographic maps.

Doelger, N.M. - 1981 - Depositional environments of the Nugget Sandstone, Red Canyon Rim, Fremont County, Wyoming.


* Dreier, J.E. - 1967 - Economic geology of the Sunlight mineralized region, Park County, Wyoming.

* Dresser, H.W. - 1959 - PhD - A field study of the Jurassic “Lower Sundance” beds in southeastern Wyoming.

Dring, N.B. - 1977 - Planktonic foraminifera from the Smoky Hill member of the Niobrara Formation, west central Kansas.


Duhling, W.H. - 1969 - Oxide facies iron formation in the Owl Creek Mountains, northeastern Fremont County, Wyoming.


Dunnewald, J.B. - 1958 - Geology of the Fish Lake Mountain area, Fremont County, Wyoming.

* Dunrud, C.R. - 1962 - Volcanic rocks of the Jack Creek area, southeastern Absaroka Range, Park County, Wyoming.

EARLE, J.L. - 1977 - A study of the tectonics of Wyoming and adjacent areas using photo linear elements mapped from LANDSAT-1 and Skylab imagery.


EASLEY, D.H. - 1989 - PhD - Applications of frequency-domain conditional simulation to geohydrology and geophysics.


*EBBETT, B. - 1956 - Structure and petrology of the metasedimentary rocks of the Good Fortune mining area, Platte County, Wyoming.


EBENS, R.J. - 1966 - PhD - Stratigraphy and petrography of Miocene volcanic sedimentary rocks in southeastern Wyoming and north central Colorado.


*EDWARDS, A.R. - 1939 - Underground water resources of Chugwater Creek, Laramie River, and North Laramie River valleys, Wyoming.

EDWARDS, B.R. - 1993 - A field, geochemical, and isotopic investigation of the igneous rocks in the Pole Mountain area of the Sherman batholith, southern Laramie Mountains, Wyoming, U.S.A.

*ELIAS, D.W. - 1957 - Geology of the Spring Creek area, Moffat County, Colorado.

ELLERBY, R.S. - 1962 - Geology of the Dry Creek-Willow Creek area, Fremont County, Wyoming.

*EPSTEIN, J.B. - 1958 - Geology of part of the Fanny Peak Quadrangle, Wyoming-South Dakota.

*ESPACH, R.H., Jr. - 1957 - Geology of the Mahogany Ridge area, Big Hole Mountains, Teton County, Idaho.


EVANOFF, E. - 1990 - PhD - Late Eocene and early Oligocene paleoclimates as indicated by the sedimentology and nonmarine gastropods of the White River Formation near Douglas, Wyoming.

FAUCETTE, R.C. - 1994 - Geostatistical and mathematical techniques for modeling geologic heterogeneity and anisotrophy.

FENTON, M.D. - 1965 - The geology of parts of Mad Creek, Clark, and Floyd Peak Quadrangles, Routt County, Colorado.

* FERREN, J.E. - 1935 - The geology of the southeastern part of the Shirley Mountains, Carbon County, Wyoming.

* FERRIS, C.S., Jr. - 1964 - PhD - Petrology and structure of the Precambrian rocks southeast of Encampment, Wyoming.


FIERO, G.W., Jr. - 1958 - Geology of Upheaval Dome, San Juan County, Utah.


FIKKAN, P.R. - 1969 - Granitic rocks in the Dry Valley region of South Victoria Land, Antarctica.


* FINNELL, T.L. - 1951 - Structural relationships of the Seminoe-Shirley syncline, Carbon County, Wyoming.

FISCHER, K.J. - 1986 - Diagenesis and mass transfer in an Upper Miocene source/reservoir system, southern San Joaquin Basin, California.


FLANAGAN, K.M. - 1990 - PhD - Late Cenozoic geology of the Pathfinder region, central Wyoming, with tectonic implications for adjacent areas.

* FLANAGAN, P.E. - 1955 - Geology of the Mud Creek area, Hot Springs County, Wyoming.

FLURKEY, A.J. - 1983 - PhD - Depositional environment and petrology of the Medicine Peak Quartzite (Early Proterozoic), southern Wyoming.

* FOOTE, M.W. - 1986 - PhD - Contact metamorphism and skarn development of the precious and base metal deposits at Silver Star, Madison County, Montana.

FOX, J.E. - 1971 - PhD - Invertebrate fossils and environments of the Fox Hills and Medicine Bow Formations (Late Cretaceous) in south-central Wyoming.

FREDRICKSON, J.A. - 1978 - Petrology and depositional environments of the Fountain and Ingleside Formations, Owl Canyon, Colorado.


FULLER, B.N. - 1987 - Seismic reflection data acquisition problems in the Columbia River Plateau and Snake River Plain.


GARCÍA-GONZÁLEZ, M. - 1993 - PhD - Coal as a source rock of petroleum and gas, a comparison between natural and artificial maturation by organic petrology and geochemistry: example from the Almond Formation coals: Greater Green River Basin, Wyoming.


GASKILL, C.H. - 1977 - Planktonic foraminifera from the Niobrara Formation, Fort Randall dam core, Fort Randall Dam, South Dakota.

GAYLORD, D.R. - 1981 - Stratigraphic and sedimentary controls on uranium mineralization in sandstones-with an example from the Highland Mine, Converse County, Wyoming.


GILLESPIE, J.M. - 1992 - PhD - Tectonic significance of Jura-Cretaceous strata in the Western Interior foreland basin of southern Canada and northwestern Montana, U.S.

* GILLILAND, J.D. - 1959 - Geology of the Whiskey Mountain area, Fremont County, Wyoming.

* GILLUM, J.P. - 1956 - Stratigraphy and structure of the Alkali Creek-Willow Creek area, Natrona County, Wyoming.

* GILMER, D.R. - 1986 - General geology, landsliding, and slope development of a portion of the north flank of the Uinta Mountains, south-central Uinta County, Wyoming.


GJELSTEEN, T.W. - 1988 - Origin and timing of uranium mineralization in the Chadron Formation, Northwest Nebraska.

GLIOZZI, J. - 1967 - PhD - Petrology and structure of the Precambrian rocks of the Copper Mountain district, Owl Creek Mountains, Fremont County, Wyoming.


GOHL, K. - 1991 - PhD - Seismic wide-angle studies of early Archean and protorozoic crust in Greenland, Minnesota, and Wyoming.


GOODWIN, C.N. - 1976 - The geomorphology and sedimentology of a sand bottom ephemeral stream.


* GOODLY, P.L. - 1947 - Geology of the Beaver Creek-South Sheep Mountain area, Fremont County, Wyoming.

GORDON, I.R. - 1990 - Sedimentation and structure of the Pine Valley Basin, northeast Nevada.


* GRACE, R.M. - 1951 - Stratigraphy of the Newcastle Formation, Black Hills region, Wyoming and South Dakota.

* GRAFF, P.J. - 1978 - PhD - Geology of the lower part of the Early Proterozoic Snowy Range supergroup, Sierra Madre, Wyoming; with chapters on Proterozoic regional tectonics and uraniumiferous quartz-pebble conglomerates.

GRANATA, W.H., Jr. - 1960 - PhD - Cretaceous stratigraphy and structural development of the Sabine uplift area, Texas and Louisiana.

* GRANT, S.C. - 1954 - Channel deposits of the Wind River Formation in Fremont County, Wyoming, as a guide to uranium ore.

GRASSO, D.N. - 1990 - PhD - Recognition and paleogeography of Quaternary Lake Wamsutter (a proposed lake in Wyoming’s Great Divide Basin) combining Landsat remote sensing and digital elevation modeling.


* GRAY, L.O., Jr. - 1947 - Geology of the east flank of the Laramie Range in the vicinity of Horse Creek, Laramie County, Wyoming.


GROLL, P.E. - 1986 - Sedimentation and tectonics of the upper Bridger Formation, southern Wind River Range, Wyoming.

GROTH, F.A. - 1955 - Stratigraphy of the Chinle Formation in the San Rafael Swell, Utah.

*GUBBELS, T.L. - 1987 - Structural and geomorphic evolution of the north flank, eastern Owl Creek Mountains, Wyoming.


*GWINNER, D. - 1979 - Structural setting of uranium-bearing quartz-pebble conglomerate of Precambrian age, northwest Sierra Madre, Carbon County, Wyoming.


*HALL, W.B. - 1961 - PhD - Geology of part of the upper Gallatin Valley of southwestern Montana.


HALLOCK, D.H.V. - 1933 - Physiographic history of the Laramie Range.

HAMILTON, H.E. - 1964 - Stratigraphy and depositional history of the Muddy Formation in the Freezeout Mountains area, northeastern Carbon County, Wyoming.


HANAGAN, E.J. - 1956 - Some Permian mollusks from Wyoming.

HAND, F.E. - 1979 - Ground-water resources in the northern part of the Glen Canyon National Recreation Area and adjacent lands west of the Colorado and Green Rivers, Utah.

HAND, H.D. - 1938 - The stratigraphy of the Mississippian rocks of the southeastern part of Wyoming.

HANLEY, J.H. - 1974 - PhD - Systematics, paleoecology, and biostratigraphy of nonmarine mollusca from the Green River and Wasatch Formations (Eocene), southwestern Wyoming and northwestern Colorado.

*HANSON, B.M. - 1954 - Geology of the Elkhorn Ranch area, Billings and Golden Valley Counties, North Dakota.


HARDING, M.B. - 1987 - The geology of the Wildrose Peak area, Panamint Mountains, California.


*HARSTON, L.W. - 1959 - Geology of the Bear Creek-Beaver Creek area, Big Horn and Sheridan Counties, Wyoming.


*HAUN, J.D. - 1949 - Geology of a portion of the east flank of the Laramie Range, Wyoming.


HEASLER, H.P. - 1984 - PhD - Thermal evolution of coastal California with implications for hydrocarbon maturation.


HEIMAN, M.E. - 1972 - Casper Formation conodonts.

HEIMAN, M.E. - 1977 - PhD - Neogene deep-water benthiotic foraminifera from the southwestern Pacific: (DSDP Legs 21 and 7).


*HENSLEY, F.S., Jr. - 1956 - Some macrofossils of the Pennsylvanian-Permian Casper Formation along the west flank of the Laramie Range, Albany County, Wyoming.

* HERRMANN, R. - 1972 - PhD - Shallow aquifers relative to surface waters, North Platte River valley, Goshen County, Wyoming.

* HEYDENBURG, R.J. - 1966 - Stratigraphy and depositional environments of the Parkman Sandstone Member, Mesaverde Formation near Midwest, Natrona County, Wyoming.

HEYMAN, O.G. - 1983 - Regional compression as the cause for Laramide deformation of the northwestern Uncompahgre Plateau, western Colorado and eastern Utah.

HILL, V.S - 1991 - PhD - Comparative subsidence analysis of part of the Late Cretaceous U.S. Western Interior foreland basin.

* HINDS, G.W. - 1958 - Geology of the Mike Spencer Canyon area, Bonneville County, Idaho.

HOARE, B.S - 1985 - Aeromagnetic interpretation of the Boulder batholith area, Montana.


* HODGE, D.S. - 1963 - Polymetamorphism of Precambrian rocks in the southern Wind River Mountains, Fremont County, Wyoming.

HODGE, D.S. - 1966 - PhD - Petrology and structural geometry of Precambrian rocks in the Bluegrass area, Albany County, Wyoming.


HOLDEN, G.S. - 1978 - PhD - The Slate Creek metamorphic terrain, Albany County, Wyoming, conditions of metamorphism and mineral equilibria in metapelites.


HUANG, C. - 1970 - Cataclastic rocks in the Little Beaver Creek area, Carbon County, Wyoming.


HUDEC, M.R. - 1990 - PhD - The structural and thermal evolution of the central Ruby Mountains, Elko County, Nevada.


HUGHES, M.A. - 1973 - A study of the Precambrian rocks of the Cow Creek area, Sierra Madre Mountains [sic], Carbon County, Wyoming.


* HUNTER, J.M. - 1955 - Geology of the North Hahns Peak area, Routt County, Colorado.

HUNTER, R.B. - 1986 - Timing and structural relation between the Gros Ventre foreland uplift, the Prospect thrust system, and the Granite Creek thrust system, Wyoming.


HURST, D.J. - 1984 - Depositional environment and tectonic significance of the Tunp member of the Wasatch Formation, southwest Wyoming.

HUSAIN, F. - 1963 - Stratigraphic type oil pools in the Minnelusa Formation of northeastern Wyoming.


IRWIN, B.R. - 1973 - Interpretation of sedimentary structures in the upper Red Peak and Jelm Formations (Triassic), southeastern Wyoming and northern Colorado.


ISBELL, W.B. - 1989 - Converting spinner magnetometers for computer-controlled data collection and reduction and paleomagnetic study of volcanic and volcaniclastic rocks from the Absaroka Mountains, northwestern Wyoming.

* ISBERG, J.T. - 1937 - The geology of a portion of east-central Carbon County, north and west of Elk Mountain, Wyoming.

IVERSON, W.P. - 1983 - PhD - Processing and interpretation of COCORP southern Appalachian profiles.

JACKSON, K.E. - 1984 - Geology of the Circle Bar Lake Quadrangle, Fremont and Sweetwater Counties, Wyoming.

JAEGEER, K.B. - 1987 - Structural geology and stratigraphy of the Elko Hills, Elko County, Nevada.


* JAWOROWSKI, C.C. - 1985 - Geomorphic mapping and trend analysis of Quaternary deposits with implications for Late Quaternary faulting, central Wyoming.

* JENKINS, C.E. - 1950 - Geology of the Bates Creek-Corrall Creek area, Natrona County, Wyoming.


JOHNSON, R.A. - 1984 - PhD - Geophysical investigation of Precambrian crustal structure and Laramide effects across a Precambrian suture in southeast Wyoming.


* JOHNSTON, R.H. - 1959 - Geology of the northern Leucite Hills, Sweetwater County, Wyoming.

* KAABAR, S.M. - 1970 - Geology of the Pinto Creek Quadrangle, Albany County, Wyoming.

KABLANOW, R.I., II - 1983 - Diagenesis and hydrocarbon generation in the Monterey Formation, Huasna Basin, California.

KABLANOW, R.I., II - 1986 - PhD - Influence of thermal and depositional histories on diagenesis and hydrocarbon maturation in the Monterey Formation — Huasna, Pismo, and Salinas Basins, California.

KAMINSKY, B. - 1977 - Correlation of LANDSAT multispectral data to rock reflectance measurements.


KARLSTROM, K.E. - 1981 - PhD - Late Archean and Early Proterozoic geologic history of metasedimentary rocks of the Medicine Bow Mountains, Wyoming.

KEEFEER, C.M. - 1979 - PhD - An experimental study of synthetic titanomaghemite: synthesis, magnetic analysis, and crystallographic measurements.


KELLER, M.A. - 1957 - Stratigraphy of the pre-Cody Cretaceous rocks in the southeastern Wind River Basin, Fremont County, Wyoming.


* KING, J.S. - 1963 - PhD - Petrology and structure of the Precambrian and post-Mississippian rocks of the northeastern Medicine Bow Mountains, Carbon County, Wyoming.


* KIVI, W.J. - 1940 - The stratigraphy of the Phosphoria Formation of western Wyoming, with notes on the occurrence of phosphate.

KLINK, J.F. - 1986 - Petrology of the Strong Creek prospect, Albany County, Wyoming, and in the system Fe-Ti-Si-O-S.


* KNIGHT, W.H. - 1944 - The geology of the western part of the Flat Top anticline, Carbon County, Wyoming.


* KOLB, G. - 1983 - Geology of the New Fork Lakes area, Sublette County, Wyoming, with the application of remote sensing.


KOLM, K.E. - 1977 - PhD - Predicting the surface wind characteristics of southern Wyoming from remote sensing and eolian geomorphology.


KRATOCHVIL, A.L. - 1981 - Geology of the uraniumiferous Deep Gulch conglomerate (Late Archean), northwestern Sierra Madre, Wyoming.


KROSKY, S. - 1974 - Tectonic analysis of the Forester Creek anticline, Larimer County, Colorado.


* LACKEY, L.L. - 1965 - Petrography of metavolcanic and igneous rocks of Precambrian age in the Huston Park area, Sierra Madre, Wyoming.


LANGSTAFF, G.D. - 1984 - Investigation of Archean metavolcanic and metasedimentary rocks of Sellers Mountain, west central Laramie Mountains, Wyoming

* LANTHIER, L.R. - 1978 - Stratigraphy and structure of the lower part of the Precambrian Libby Creek Group, central Medicine Bow Mountains, Wyoming.


* LARSEN, J.H. - 1950 - Ground-water conditions of a part of the Kendrick Project, Natrona County, Wyoming.


LEE, Teh-Quek - 1983 - Paleomagnetic study of volcanic and volcaniclastic rocks from the Absaroka Mountains, northwest Wyoming.

LE FEBRE, V. S. - 1987 - Foraminiferal paleoecology of the lower Niobrara Formation at Springer, New Mexico.

LEHRER, M. G. - 1982 - Glacial geology of the Upper Bear Creek drainage, Park Range, Colorado.

LEI, Y. - 1992 - Paleomagnetic study of the Permo-Triassic Karroo Formation in southern Tanzania and effect of prograde metamorphism on magnetic properties of basalts.


LIEBES, E. - 1981 - PhD - Direct methods for determining the timing of magnetization in redbeds and isothermal remanent magnetization acquisition spectra for some naturally occurring hematites.


LINTON, J. A. - 1993 - Constraining the processes of magmatic evolution: perspectives from two volcanic centers.


LOEFFLER, R. J. - 1939 - The stratigraphy of a portion of the east side of the Laramie Range, Laramie County, Wyoming.

LONDE, M. D. - 1986 - PhD - The Colorado Plateau-Basin and Range transition zone of central Utah: thermomechanical modeling and spectral analysis of topographic and gravity data.


LOUGHLIN, W. D. - 1983 - Hydrogeologic controls on water quality, ground-water circulation, and collapse breccia pipe formation in the western part of the Black Mesa hydrologic basin, Coconino County, Arizona.

LOVE, F. R. - 1986 - Foraminiferal biostratigraphy and spectral gamma ray profiling of the Tununk Shale, southeastern Utah.
* LOVE, J.D. - 1934 - The geology of the western end of the Owl Creek Mountains, Wyoming.

LOWRY, A.R. - 1988 - A numerical modeling approach employing singularity removal applied to the evaluation of the Bristow interpretive technique for the detection of cavities.


MacCREADY, T. - 1993 - Late Eocene-Oligocene mid-crustal flow beneath the mylonitic, extensional shear zone of the Ruby Mountains metamorphic core complex, Elko County, Nevada.

MacGOWAN, D.B. - 1993 - PhD - Carboxylic acids and anions in sedimentary formation of waters: occurrence, effect on mineral stability, and importance to diagenetic modeling.


MANION, R.E. - 1959 - Geology of an area east of Willow Creek Pass, Grand and Jackson Counties, Colorado.


* MARAVICH, M.D. - 1940 - The geology of the Freezeout Mountain-Bald Mountain area, Carbon County, Wyoming.
*MARET, R.E.* - 1956 - Sedimentary petrography of the Weber Formation at Rangely Field, Rio Blanco County, Colorado, and adjacent areas.

*MARINER, R.H.* - 1967 - Volcanic geology of part of the western end of the Rabbit Ears Range, Jackson and Grand Counties, Colorado.

*MARINER, R.H.* - 1971 - PhD - Experimental evaluation of authigenic mineral reactions in the Pliocene Moonstone Formation.


*MARTIN, A.B.* - 1939 - Growth conditions for single and mosaic crystals of zinc.


*MAST, M.A.* - 1989 - PhD - A laboratory and field study of chemical weathering with special reference to acid deposition.


*MATUS, I.* - 1958 - The geology of the lower French Creek area, Carbon County, Wyoming.


*MAX, M.D.* - 1965 - Gypsum deposits in the northeastern part of the Bighorn Basin, Big Horn County, Wyoming.


*MAYRAND, L.* - 1990 - Seismic properties of tuffs from the epithermal system of Creede, Colorado.


* MCCURDY, H.R. - 1941 - Pennsylvanian and Permian stratigraphy along the eastern flank of the Laramie Range, southeastern Wyoming.

* McDAVID, J.D. - 1953 - Geology of the Muddy Creek area, Carbon County, Wyoming.

McDONOUGH, D.T. - 1990 - PhD - Compressional wave velocities of mylonites and other mid-crustal rocks from metamorphic core complexes: implications for seismic structure of the continental middle crust.


* McGREW, A.R. - 1965 - Stratigraphy and mineralogy of the Blue Point member of the Wiggins Formation, southeast Absaroka Range, Park County, Wyoming.


* McKAY, E.J. - 1948 - Geology of the Red Canyon Creek area, Fremont County, Wyoming.


* METTES, K.J. - 1980 - The contact between the late Paleozoic Tensleep Sandstone and Phosphoria Formation, and origin of the boundary beds, in northwestern Wyoming.

MEYER, J.E. - 1984 - The stratigraphy of the Gypsum Spring Formation (Middle Jurassic) northwestern Bighorn Basin, Wyoming.
MIAO, D. - 1987 - PhD - Skull morphology of Lambdopsalis bulla (Mammalia, Multituberculata) and its implication to mammalian evolution.


MILLER, S.M. - 1982 - PhD - Statistical and Fourier methods for probabilistic design of rock slopes.


MILLER, W.R. - 1974 - PhD - Chemical weathering and related controls on surface water chemistry in the Absaroka Mountains, Wyoming.


MINNICH, G.W. - 1988 - Processing and interpretation of Vibroseis and downhole air-gun data to evaluate seismic energy propagation through clinker, Campbell County, Wyoming.


*MITCHELL, S.D. - 1957 - Geology of the eastern Alcova-Bear Creek area, Natrona County, Wyoming.

*MOGENSEN, P. - 1959 - Fort Union Formation, east flank of the Rock Springs uplift, Sweetwater County, Wyoming.


MONCURE, G.K. - 1980 - PhD - Zeolite diagenesis below Pahute Mesa, Nevada test site.

*MONTAGNE, J. de la - 1951 - Geomorphology of the north end of Centennial Valley-Table Mountain area, Wyoming.

MOORE, F.E. - 1959 - The geomorphic evolution of the east flank of the Laramie Range, Colorado and Wyoming.

MORAES, M.A.S. - 1991 - PhD - Multiscale diagenetic heterogeneity and its influence on reservoir properties of fluvial, deltaic, and turbiditic sandstone reservoirs, Potiguar and Recôncavo rift basins, Brazil.

MORAN, M.E. - 1981 - Structural geology of the Commissary Ridge area, Bonneville County, Idaho.

MOREL, J.D. - 1978 - PhD - A paleomagnetic investigation of the Lake Owen complex, Medicine Bow Mountains, Wyoming.

MORGAN, J.K. - 1951 - Geology of the Otter Creek area, Washakie County, Wyoming.


*MORT, F.P. - 1939 - The geology of an area between La Bonte and La Prele Creeks, Converse County, Wyoming.

*MOTT, L.V. - 1978 - Origin of the uraniferous phosphatic zones of the Wilkins Peak Member, Green River Formation, Wyoming.

MUELLER, K.J. - 1992 - PhD - Tertiary basin development and exhumation of the northern east Humboldt-Wood Hills metamorphic complex, Elko County, Nevada.


MUNOZ, P. - 1989 - P-SV wave processing of sonic logs.

MURPHY, D.J. - 1971 - PhD - The petrology and deformational history of the basement complex, Wright Valley, Antarctica, with special reference to the origin of the augen gneisses.

MURPHY, J.D. - 1979 - PhD - Surface and ground-water chemistry of the Sage Creek drainage basin, southwest Wyoming: significance for trans-basin water diversion.

MURPHY, K.M. - 1993 - Kinetics of albite dissolution; the effect of grain size.


*MURRAY, F.E. - 1957 - Geology of the Nowood area, Washakie County, Wyoming.

MURRAY, W.B. - 1984 - Landslides and other mass-wasting phenomena in the Little Mountain area, southwest Wyoming.


MYERS, J. - 1982 - PhD - Thermodynamic properties of minerals in the system Fe-Si-O.


*NEELY, J. - 1934 - The geology of the north end of the Medicine Bow Mountains, Carbon County, Wyoming.


NISSEN, T.C. - 1985 - Field and laboratory studies of selected periglacial wedge polygons in southern Wyoming.


NTULANALWO, V.B. - 1992 - The modeling study of aeromagnetic data from Tanzania (Buseresere and Ruliji Basin cases).

NYBLADE, A.A. - 1985 - Timing volcanic events by secular variation and thermal modeling.


*OCHOA, R.E. - 1970 - Depositional environments of the Newcastle Formation interpreted from outcrops in the Black Hills area, northeastern Wyoming.

OGDEN, P.R., Jr. - 1979 - PhD - The geology, major element geochemistry, and petrogenesis of the Leucite Hills volcanic rocks, Wyoming.

OLANDER, P.A. - 1979 - Authigenic mineral reactions in tuffaceous sedimentary rocks, Buckhorn, New Mexico.


*ORBACK, C.J. - 1960 - Geology of the Fox Creek area, Albany County, Wyoming.

ORE, H.T. - 1963 - PhD - The braided stream depositional environment.


* OSTERWALD, F.W. - 1947 - Relation of granitization and mineral facies to structure in northeastern Albany County, Wyoming.


OXBURGH, R. - 1991 The effect of ph, oxalate ion, and mineral composition on the dissolution rates of plagioclase feldspars.


* PAYLOR, E.D., II - 1983 - Investigation of the surface features interpreted from remote sensing data of the Table Rock gas field, Sweetwater County, Wyoming.

PEARSON, E.F. - 1972 - PhD - Origin and diagenesis of the Owl Canyon and lower Goose Egg Formations (Permian) of southeastern Wyoming and adjacent Colorado.

* PEDERSEN, K. - 1968 - Sulfide mineralization of the northwestern part, Sunlight mining region, Park County, Wyoming.


PEITERSEN, M.N. - 1994 - Dynamics of large-scale, dry-transport landslides.


PIERSON, W.R. - 1984 - A geophysical study of the contact between the greenstone-granite terrain and the gneiss terrain in central Minnesota.

* PIPIRINGOS, G.N. - 1948 - Stratigraphy of the Sundance Formation, the Nugget (?) Sandstone, and the Jelm Formation (restricted), in Laramie Basin, Wyoming.
PLEDGE, N.S. - 1969 - Paleoenvironments and paleoecology of part of the lower Bridger Formation, south of Opal, Wyoming.


* PRICE, C. - 1973 - Glacial and drainage history of the upper Cow Creek drainage, Sierra Madre range, Wyoming.


PROCHASKA, E.J. - 1960 - Foraminifera from two sections of the Cody Shale in Fremont and Teton Counties, Wyoming.

PRUS, E.F. - 1977 - PhD - A paleomagnetic study of basalt flows from the Absaroka Mountains, Wyoming.

PUJOUL, J.M. - 1985 - PhD - Vertical seismic profiling: data processing and interpretation, velocity determination, and attenuation measurements.

PUWAKOOL, S. - 1971 - Geology of the northern part of Hosta Butte (7.5-minute) Quadrangle, McKinley County, New Mexico.


REPETO, F.L. - 1975 - Geology of the Cojitambo area province of Canar, Republic of Ecuador, South America.


RICHERT, H.R., Jr. - 1980 - Ground-water resources in the part of Canyonlands National Park east of the Colorado River and contiguous Bureau of Land Management lands, Utah.

RIDCLEY, J.L. - 1972 - Chemical and mineral variation in the Lake Owen Mafic Complex, Albany County, Wyoming.

* RIDGLEY, N.H. - 1972 - Precambrian rocks in the Blackhall Mountain area, Carbon County, Wyoming.


* RITZMA, H.R. - 1949 - Geology along the southwest flank of the Sierra Madre, Carbon County, Wyoming.

* RIVA, J.P., Jr. - 1959 - The geology of the Sheep Creek-Middle Cottonwood Creek area, Fremont County, Wyoming.


ROBERTSON, R.A. - 1961 - Precambrian rocks of the Windmill Islands, Budd Coast, Antarctica.

ROBINSON, J.R. - 1956 - The ground-water resources of the Laramie area, Albany County, Wyoming.


* ROYSE, F., Jr. - 1957 - Geology of the Pine Creek Pass area, Big Hole Mountains, Teton and Bonneville Counties, Idaho.


SAHAI, S.K. - 1976 - Thermal cracking of alkane (C4215) and thermal conductivity studies of carbonates and sandstones.


* SAULNIER, G.J. - 1968 - Ground-water resources and geomorphology of the Pass Creek Basin area, Albany and Carbon Counties, Wyoming

* SCHMIDT, T.G. - 1983 - Precambrian metavolcanic rocks and associated volcanogenic mineral deposits of the Fletcher Park and Green Mountain areas, Sierra Madre, Wyoming.

SCHMITT, J.G. - 1979 - Description and interpretation of silicified skeletal material from the Park City Formation (Permian) of Wyoming.


SCHOCK, W.W., Jr. - 1975 - Relations between stream sediment and source rock mineralogy, Piney Creek Basin, western Wyoming.


SCHOENFELD, M.J. - 1969 - Quaternary geology of the Burnt Fork area, Uinta Mountains, Summit County, Utah.

SCHUSTER, J.E. - 1972 - Distribution of copper and the platinum group in mafic rocks of the Sierra Madre, Carbon County, Wyoming.


SHANLEY, J.B. - 1989 - PhD - Factors controlling sulfate retention and transport in a forested watershed in the Georgia Piedmont.

* SHEFFER, B.D. - 1951 - Geology of the western Alcova area.


* SHOEMAKER, R.W. - 1936 - The geology of the Shirley and Seminoe Mountains area, Carbon County, Wyoming.


* SIKICH, S.W. - 1960 - Stratigraphy of the Upper Triassic Stanaker Formation of the eastern Uinta Mountains area, northeastern Utah and northwestern Colorado.

SIMNACHER, F. - 1970 - Stratigraphy, depositional environments, and paleontology of the Cathedral Bluffs Tongue of the Wasatch Formation, Parnell Creek area, Sweetwater County, Wyoming.


SINGER, B.S. - 1990 - PhD - Petrology and geochemistry of mid-Pleistocene lavas from Seguam Island, central Aleuton Island, Alaska—implications for the chemical and physical evolution of oceanic island arc magmatic centers.

SIPE, D.R. - 1984 - Depositional environments and origin of bounding surface in the Ingleside Formation, Livermore area, Colorado.


SKINNER, O.L. - 1982 - Foraminiferal biostratigraphy and correlation of the lower part of the Hilliard Shale and equivalents, southwestern Wyoming and northeastern Utah.

SMITH, A.L. - 1985 - Correlation of Monterey Formation organic geochemistry to lithology, Santa Maria - Santa Barbara Basins, California.


SMITH, C.L. - 1974 - PhD - Chemical controls on weathering and trace metal distribution at Teels Marsh, Nevada.


*SMITHSON, S.B.* - 1959 - The geology of the southeastern Leucite Hills, Sweetwater County, Wyoming.


SOWERS, N.R. - 1979 - Geologic factors affecting the geohydrology of the Tongue River valley, Sheridan County, Wyoming.

SPALDING, R.W. - 1928 - Minor movements of the Earth's crust during the Pennsylvanian period in the Laramie Basin region.


*SPELMAN, A.R.* - 1959 - Geology of the area between Bed Tick Creek and the west fork of La Bonte Creek Converse County, Wyoming.


STARKEY, K.J. - 1987 - Geology, petrography, chemistry, and petrogenesis of the Nannies Peak intrusive complex, Elko County, Nevada.

STARKEY, R.J., Jr. - 1988 - PhD - Low-grade metamorphism of the Karmutsen Volcanics, Vancouver Island, British Columbia.


STEPHENS, E., Jr. - 1958 - Intensity distribution study and fault plane solution for the Cape Mendocino, California, earthquake of October 11, 1956.

*STOCK, M.D.* - 1981 - The geohydrology of the shallow aquifers in the vicinity of Old Woman anticline, Niobrara County, Wyoming.


SUKUP, J.W. - 1978 - Cretaceous planktonic foraminifera from Salzgitter-Salder, West Germany.
SUNDELL, K.A. - 1980 - The geology of the North Fork of Owl Creek area, Absaroka Range, Hot Springs County, Wyoming.

* SUYDAM, R.B. - 1963 - Overthrusting in the south La Barge Creek area, Lincoln and Sublette Counties, Wyoming.

* SWAIN, B.W. - 1957 - Fort Union Formation, west flank of the Sierra Madre, Carbon County, Wyoming.


SWIFT, P.N. - 1982 - Precambrian metavolcanic rocks and associated volcanogenic mineral deposits of the southwestern Sierra Madre, Wyoming.


* TAUCHER, L.M. - 1953 - Geology of the Cookstove Basin area, Big Horn County, Wyoming.

TAUCHER, P.J. - 1988 - Reprocessing and interpretation of high resolution seismic reflection data from a uranium exploration prospect in the Granite Mountains area of central Wyoming.


TAYLOR, D.J. - 1978 - Reflection seismic study in the Laramie anorthosite complex, southern Laramie Range, Wyoming.


TEMPLETON, M.E. - 1993 - PhD - Seismic profiling of the Cheyenne Belt, Medicine Bow Mountains, Wyoming, and the effects of CDP processing on the lateral resolution of reflection data.


TOMBAUGH, K. - 1974 - Biostratigraphy of the Permian Shedhorn Sandstone and Ervay and Franson Members of the Park City Formation, southeastern Gros Ventre Mountains, Wyoming.


TOOTS, H.A. - 1962 - Paleocological studies of the Mesaverde Formation in the Laramie Basin.

TOOTS, H.A. - 1965 - PhD - Reconstruction of continental environments, the Oligocene of Wyoming.

TRELOAR, N.A. - 1985 - Viscous remanent acquisition at deep crustal temperature.


*TROTTER, J.F. - 1954 - Geology of the Nowood Creek-Ten Sleep area, Washakie County, Wyoming.

*TROYER, M.L. - 1951 - Geology of the Lander (Hudson) and Plunkett anticline and vicinity, Fremont County, Wyoming.


UHRIE, J.L. - 1993 - In-situ immobilization of heavy metals associated with uranium leach mines.

ULTEIG, J.R. - 1963 - Upper Niagara and Cayugan stratigraphy of north Ohio and adjacent areas.

*UMBACH, E.D. - 1948 - Geology of the Sage Creek area, Carbon County, Wyoming.

UMBACH, P.H. - 1935 - History of the geographical and geological explorations in Wyoming prior to 1900.

UNFER, L., Jr. - 1951 - Study of factors influencing the rank of Wyoming coals.

VALASEK, P.A. - 1987 - Processing and interpretation of seismic reflection data from two Cordilleran metamorphic core complexes; the Ruby Mountains-East Humboldt Range, Nevada and the Picacho Mountains, Arizona.


*VAN INGEN, L.B. - 1978 - Structural geology and tectonics Troublesome Creek valley area, Carbon County, Wyoming.

*VARGAS, R. - 1974 - Photogeologic map of the Jelm Mountain Quadrangle, Albany County, Wyoming, prepared from color infrared imagery.
* VIETTI, B.T. - 1977 - The geohydrology of the Black Butte and Canyon Creek areas, Bighorn Mountains, Wyoming.

* VIETTI, J.S. - 1974 - Structural geology of the Ryckman Creek anticline area, Lincoln and Uinta Counties, Wyoming.


VOORHIES, M.R. - 1966 - PhD - Taphonomy and population dynamics of an early Pliocene vertebrate fauna, Knox County, Nebraska.


* WALKER, C.L. - 1943 - Geology of the Cumberland Reservoir-Little Muddy Creek area, Lincoln and Uinta Counties, Wyoming.


WANG, D. - 1990 - PhD - Recovery of zero-offset reflectivity from constant velocity aperture-compensated migration/inversion method.


WEIGHT, W.D. - 1989 - PhD - Knowledge-based computer systems for two topics in geology: micron gold deposits and planning geological sampling procedures.


* WELSH, J.E. - 1951 - Geology of the Sheep Mountain-Delaney Butte area, North Park, Colorado.

* WEST, C.M. - 1984 - Stratigraphy and depositional environments of the lower Sundance Formation, eastern Bighorn Basin, Wyoming.

39
WESTERVELT, T.N. - 1979 - Structural superposition in the Lake O'Hara region, Yoho and Kootenay National Parks, British Columbia, Canada.

WHEELOCK, T.G.B. - 1971 - Jurassic ophiuroid echinoderms from Utah and Wyoming.


*WHITE, V.L. - 1951 - Geology of Dallas anticline, Fremont County, central Wyoming.


WILKINSON, B.H. - 1967 - Paleocology of the Permian Ervay Member of the Park City Formation in north-central Wyoming.

WILLIAMS, J.D. - 1987 - Provenance and depositional controls on the diagenesis of sandstones associated with the Laney Member of the Green River Formation, southwestern Wyoming.

WILLIAMS, M.C. - 1985 - Magnetic properties of the Archean Pikwitonei crustal cross section, Manitoba, Canada.


*WILLIS, R.P. - 1953 - Geology of the Porcupine Creek area, Big Horn County, Wyoming.


*WILSON, R.W. - 1951 - Ground-water investigation of a portion of the Kendrick project, Natrona County, Wyoming.

WILSON, S.L. - 1984 - Structure and nature of the shallow basement beneath the Hardeman Basin, Oklahoma, as revealed by COCORP seismic reflection surveys.


WINTERFELD, G.F. - 1979 - Geology and mammalian paleontology of the Fort Union Formation, eastern Rock Springs uplift, Sweetwater County, Wyoming.

WOLBERG, P.W. - 1983 - Structural geology of the Montpelier Canyon Quadrangle, Bear Lake County, Idaho.

WOLF, G.H. - 1938 - The fauna of the Lewis Formation.


WOODS, T.F. - 1987 - Processing and interpretation of CDP, VSP, and sonic log data acquired in the Rio Grande Rift, Dona Ana County, New Mexico.

*WORKUM, R.H. - 1959 - The stratigraphy of the Mesaverde Formation of the west flank of the Casper Arch, Natrona County, Wyoming.


*WROBLE, J.L. - 1963 - Stratigraphy and sedimentation of the Popo Agie, Nugget, and Sundance Formations in central Wyoming.

YATKOLA, D.A. - 1972 - Middle Miocene environments of western Nebraska and adjacent states.


YONKEE, W.A. - 1983 - Mineralogy and structural relationships of cleavage in the Twin Creek Formation within part of the Crawford thrust sheet in Wyoming and Idaho.


YOSE, L.A. - 1987 - Autocyclic versus allocyclic controls on deposition of a mixed-clastic outer-platform-to-basin sequence: Middle to Upper Pennsylvanian of southeastern California.


YULE, J.D. - 1988 - Petrology and structure of south-central Tobago, West Indies: part of a displaced fragment of a Mesozoic oceanic island arc terrane.


ZELL, R. - 1959 - A Mississippian coral assemblage from Darby Canyon, Teton County, Wyoming.


* ZOBLE, J.E. - 1957 - Stratigraphy of the Cretaceous Cloverly Formation and Crooked Creek Member of the Thermopolis Formation in the northeastern Big Horn [sic] Basin, Carbon County, Montana.

* ZOERNER, F.P. - 1974 - The geology of the central Elk Mountains, Colorado
SUBJECT INDEX

Absaroka Mountains (Range) — Breckenridge (1974); Dreier; Dunrud; Eaton, J.G.; Galey; Isbell; Lee; Miller, W.R. (1974); Pedersen; Pruss; Sundell

Acid rain — Rochette

Aeromagnetic studies — Hoare

Alaska — Singer

Albany County — Albanese; Atherton; Baldwin, H.T.; Bekkar; Benniran; Blackstone; Bochensky; Bradford; Brooks, B.G.; Burritt; Carey (1950); Catanzaro; Childers; Coalson; Copeland; Cramer; Currey; Davidson, J.R.; Davidson P.S.; Diemer; Dimitroff; Dunbar; Eaton, G.M.; Fields; Giddings; Gist; Hanson, B.V.; Haywood; Heiman; Hensley; Hodge (1966); Holden; Houlette; Iltis; Irwin; Jenkins, P.T.; Kaabar; Karlstrom (1981); King; J.R., Kirn; Kiver; Kling; Konkel; Langstaff; Lanther; Lundy; McCallum; Michalek; Montagne (1951); Myers, J. (1978); Myers, W.G.; Nicoll; Orback; Osterwald, F.W.; Pearson; Pipiringos; Prichinello; Ridgley, J.J.; Riedl; Robinson; Rochette; Ruehr; Saulnier; Serbeck; Shipp; Smith, B.D.; Spalding; Stensrud; Swetnam; Sylvester; Talbot; Thomas; Thompson, K.S.; Toogood; Toots (1962); Tudor; Vargas; Whitaker; Wilson, W.H.; Woodfill; Younus; Ziegler

Alberta (Canada) — Thyne

Alcova area (Natrona County) — Berry; Mitchell, S.D.; Sheffer

Alcova Limestone — Gardner

Aleutian Islands (Alaska) — Singer

Alice district (Wyoming thrust belt) (see Lake Alice district)

Alkali Creek area (Natrona County) — Gillum

Alkane, thermal cracking — Sahai

Alluvial fans — Doehring

Almond Formation — Mesheryakova; García-Gonzáles (1993)

Alps (northern Italy) — Burke

Ameralik (Greenland) — Larkin

Amos Draw gas field — Moncur

Amphibolites (see also Precambrian) — Ware

Amsden Formation — Biggs

Anorthosite (see also Precambrian) — Blackstone; Bochensky; Boundy; Taylor, D.J.

Antelope Ridge area (Fremont and Hot Springs Counties) — Kisling

Antarctica — Anderson, V.H.; Bucher; Fikkan; Murphy, D.J.; Robertson

Appalachians — Iverson

Aquifers — Bruce; Blanchard; Hudson; Lundy; Stacy; Thompson, K.S.; Younus

43
Archaeology — Hanson, B.V.

Archean (see also Precambrian) — Boyd; Hulsebosch; Karlstrom (1981); Kratochvil; Langstaff; Larkin

Argentina — Dunn (1992); Gohl

Arizona — Hoffman; Loughlin; Sears, J.W.; Valasek

Arkansas — Blair

Ash, volcanic (see tuff)

Aspen Tunnel area (Uinta County) — Cook, W.R., III

Australia — Yin

Authigenesis (see zeolites)

B-3X-040 Reservoir (Venezuela) — Aguado

Badwater Quadrangle (Natrona County) — Wells

Baggs area (Carbon County) — Good

Bald Mountain area (Big Horn and Sheridan Counties) — Cardinal

Bald Mountain area (Carbon County) — Marovich

Barlow Gap area — Bickford

Basalt — Pruss; Lei

Base metals deposits — Foote

Basin and Range (Nevada) — Carbonell; Liberty

Bates Creek area (Natrona County) — Jenkins, C.E.

Bates Hole — Berry; Peterson; Roehler; Shipp

Battle Spring Formation — Steele

Bear Creek area (Park Range, Colorado) — Lehrer

Bear Creek area (Big Horn and Sheridan Counties) — Harston

Bear Creek area (Natrona County) — Mitchell, S.D.

Bear Creek valley area (southeastern Wyoming) — Docker

Bear Mountains — Bowers

Bear River Formation — Wallem

Beaver Creek area (Big Horn and Sheridan Counties) — Harston

Beaver Creek area (Fremont County) — Gooldy

Beaver Rim area — Boles

Bed Tick Creek area (Converse County) — Spelman

Bentonite — Davis, J.C. (1963); Dengo; Heathman

Bessemer Mountain area (Natrona County) — Faulkner
Big Goose Canyon area (Sheridan County) — Ramsey

Big Hole Mountains (Idaho) — Espach; Royse

Bighorn Basin (see also counties within basin) — Ary; Bullock; Burch; Burk; Doremus; Dudley; Frey; Hagen; Harston; Hartman; Heasler (1978); Hunter, L.D.; Jarvis; Kraus; Leite; Long, E.G.; McCue; Max; Meyer; Murray, F.E.; Parker; Partridge; Risley; Rudkin; Smith, J.R.; Spencer; Taucher, L.M.; Tebbutt; Trotter; West; Willis; Winslow; Zoble

Big Horn County — Cardinal; Frey; Harston; Max; Partridge; Risley; Taucher, L.M.; Tebbutt; Vietti, B.T.; Willis

Bighorn Dolomite — Walsh

Bighorn Mountains — Durkee; French; Frey; Fulkerson; MacClintock; Vietti, B.T.; Walsh; Zakis

Big Island area (Sweetwater County) — Kistner

Big Trails area (Washakie County) — Fulkerson

Biosstratigraphy — Adams; Atherton; Batt; Bergstresser; Hanley; Love, F.R.; Pokras; Ryan; Skinner; Tombaugh

Black Butte area (Big Horn County) — Vietti, B.T.

Blackhall Mountain area (Carbon County) — Ridgley, N.H.; Ware

Black Hills — Deal; Epstein; Grace; McCoy; Ochoa; Sacrison

Black Mesa hydrologic basin (Coconino County, Arizona) — Loughlin

Black Rock Ridge area (Hot Springs and Fremont Counties) — Powell

Blair Formation — Finley, A.K.

Blazon Gap (Lincoln County) — Taucher, S.E.G.

Blind Bull area (Lincoln County) — Voorhees

Bluegrass area (Albany County) — Hodge (1966)

Blue Point Member (Wiggins Formation) — McGrew, A.R.

Blue Rim area (Sweetwater County) — Kistner

Boswell Creek area (Albany County) — King, J.R.

Boulder batholith (Montana) — Hoare

Boxelder Creek area (Converse County) — Barlow (1950); Drwenski

Braided streams — Ore

Brazil — Moraes

Breccia pipes — Hoffman; Loughlin

Bridger Basin (see also counties in basin) — Adler; Millice; Wolfbauer

Bridger Formation — Groll; Kistner; Pledge; Wood

Bridger Range (Hot Springs County) (see also Owl Creek Mountains) — Lyon

British Columbia — Spiegel; Starkey, R.J.
Broadway Mine (Carbon County) — Denault
Buckhorn area (New Mexico) — Olander
Burnt Fork area (Utah) — Schoenfeld
Buseresere and Rufiji basin (Tanzania) — Ntulanalwo
Byron anticline (Big Horn County) — Risley

California — Baker, F.B.; Berg, R.M.; Berryman, W.M.; Black, R.A.; Deemer; Fischer; Harding; Heasler (1984); Kablanow (1983); Kablanow (1986); Miller, R.P.; Oakes; Smith, A.L.; Stephens; Yose

Cambrian (see also individual formations) — Bell, L.H.; Chronic; Deland; Durkee; Gilman; Middleton

Campbell County — Husain; Kolm (1975); Minnich; Perez

Canada — Gillespie; Spiegel; Starkey, R.J.; Stephen; Thyne; Westervelt; Williams, M.C.

Canyon Creek area (Big Horn County) — Vietti, B.T.

Canyonlands National Park (Utah) — Loope; Richter

Cape Mendocino (California) — Stephens

Carbon County — Allspach; Anderson, J.E.; Ashley; Baker, G.K.; Baldwin, H.T.; Banks; Barlow (1953); Barton; Basko; Bauer; Berg W.R.; Bergstrom; Berry; Bierei; Bishop; Blevins; Bohn; Brooks, K.J.; Brown, O.P.; Buehner; Carey (1950); Carpenter; Chadeayne; Childers; Clarey; Cody; Cooper; Davidson, P.S.; Davis, J.R. (1963, 1966); Del Mauro; DeNault; Dimitroff; Dunbar; Espenschied; Ferren; Ferris; Finnell; Fox; Gardner; Gaylord; Gist; Good; Graff; Graveson; Gries; Guyton (1960); Gwinner; Hamilton; Heisey; Huang; Hubbell; Hughes; Irwin; Isberg; Johnson, S.A.; Karasa; Karlstrom (1977, 1981); King, J.S.; Kirchner; Knight; Koenig, A.A., Jr.; Koppriva; Kratochvil; Lackey; Lageson (1977); Landau; Lawson; Le Febre, G.B.; McCallum; McDavid; McElhaney; Marovich; Master; Matus; Merry; Mescher; Miller, W.R. (1971); Montagne (1955); Mueller, R.E.; Myers, W.G.; Neely; Novachovich; Oliver; Oster; Oviatt; Peterson; Price; Ridgley, N.H.; Riedl; Ritzma; Roehler; Ruehr; Saulnier; Schmidt; Schoen; Schuster; Sever; Sherer; Shipp; Shoemaker; Short; Swain; Swetnam; Swift; Sylvester; Umbach, E.D.; Van Ingen; Ware; Weichman, D.A.; Weimer; Wied

Carbon Basin — Brooks, K.J.; Davidson, P.S.; Denault

Cardium sandstone (Canada) — Thyne

Carter Mountain area (Park County) — Eaton, J.G.

Casper aquifer (Albany County) — Lundy; Thompson, K.S.

Casper area (Natrona County) — Bergstrom (1950); Dengo

Casper Arch — Wills; Workum

Casper Formation — Benniran; Diehl, J.F.; Hansen; Haywood; Heiman (1972); Hensley; Kim; Lundy; Pederson; Thompson, K.S.; Whitaker; Wilson, W.H.

Casper Mountain — Bergstrom (1950); Stacy

Castle Rock Quadrangle (Fremont County) — Conard

Cataclastic rocks (see shear zones)
Cathedral Bluff Tongue (Wasatch Formation) — Simnacher
Caves — Deal
Cavity detection — Lowry
Cayugan Stage (Ohio) — Ulteig
Cedar Mountain Formation (Utah) — Yingling
Cedar Ridge anticline (Carbon County) — Chadeayne
Cenozoic (see also individual epochs and formations) — Dickey; Flanagan, K.M.; Gries; Montagne (1955); Winterfield (1986)
Centennial Valley area (Albany County) — Atherton; Montagne (1951); Serbeck; Thomas
Ceuta field (Venezuela) — Rivas
Chadron Formation (Nebraska) — Gjelsteen
Chairman Shale (Nevada) — Barrett
Channel deposits — Grant
Chemical weathering — Blum; Hurcomb; Mast; Miller, W.R. (1974); Smith, C.L.
Cheyenne belt (southeastern Wyoming) — Duebendorfer; Huang; McCallum; Merry; Mueller, R.E.; Templeton
Chinle Formation (Utah) — Groth
Chugwater Creek valley (Albany County) — Edwards, A.R.
Chugwater Formation (Group) — Gardner; Huycke; Inwin
Circle Bar Lake Quadrangle (Sweetwater and Fremont Counties) — Jackson
Clark - Hinman Park area (Routt County, Colorado) — Fenton; McConnell
Clark Quadrangle (Routt County, Colorado) — Fenton
Clay Spur bentonite district (Crook and Weston Counties) — Davis, J.C. (1963)
Clinker (baked rock) — Minnich
Cloverly Formation — Espenschied; Hoodmaker; MacClintock; Osmond; Oster; Zoble
Coal — Berg, W.R.; Cunningham; García-Gonzáles (1993); Kopriva; Mason, J.M.; McElhaney; Unfer; Voorhees
Coal gasification — Kopriva; Mason
Coal rank — Unfer
Cobalt — Myers, J. (1978)
COCORP — Branch; Iverson; Lu; May; Wilson, S.L.; Zawislak
Cody Shale (Formation) — Perez; Prochaska; Ryan; White, R.K.
Cojitambo area, Province of Canar (Ecuador) — Repetto
Collapse breccia pipe — Loughlin
Colombia (Tulu area) — García-Gonzáles (1991)
Colorado — Baker, K.H.; Barnes; Barnwell; Beatty; Bergstresser (1978,1981); Bernaski; Bozanic; Breckenridge (1969); Buelow; Conley; Diehl, J.F.; Ebens (1966); Elias; Fenton; Fredrickson; Hager; Hallin; Hanley; Heyman; Hoodmaker; Hunter, J.M.; Isaacson; Kimball; Kim; Kiver; Knapp; Kornegay; Krosky; Lehrer; Lundell; McConnell; McGokey; Manion, L.J.; Manion, R.E.; Maret; Mariner (1967); Marks; Mayrand; Minick; Moncure (1979); Montagne (1955); Moore; Murphy, R.W.; Osterwald, D.B.; Pearson; Pederson; Scott; Sikich; Sipe; Walters; Welsh; York; Young; Zoerner

Colorado Plateau-Basin and Range transition zone (Utah) — Londe

Columbia River Plateau — Fuller (1987)

Commissary Ridge area (Bonneville County, Idaho) — Moran

Como Bluffs area (Albany and Carbon Counties) — Baker, G.K.; Dunbar; Eaton, G.M.; Giddings

Comodoro Rivadavia Formation (Argentina) — Dunn (1992)

Computer applications — Hudson; Isbell; Weight

Conductivity — Medlin

Conglomerates — Graff; Gwinner; Kratochvil; Schmitt (1982)

Conodonts — Heiman (1972)

Converse County — Barlow (1950); Berryman, R.J.; Coughlan; Drwenski; Gaylord (1981); Goodwin, C.N.; Harris; Kron; Mort; Sears, W.A.; Spelman; Vinton

Cookstove Basin area (Big Horn County) — Taucher, L.M.

Cooney Hills area (Platte County) — Bothner

Cooper Hill mining district (Carbon County) — Schoen

Copper — Denault; Patel, C.B.; Schuster

Copper King Mine (Laramie County) — McGraw

Copper Mountain — Gliozzi

Corals — DeJarnett; Zell

Corral Creek area (Natrona County) — Jenkins, C.E.

Cottonwood Creek area (Fremont County) — Riva

Cow Creek area (Sierra Madre) — Hughes; Price

Crawford Thrust (western Wyoming) — Yonkee

Creede (Colorado) — Mayrand

Crescent Lake area (Wind River Range) — Marshall

Cretaceous (see also individual formations) — Adams; Anderson, J.E.; Atherton; Badgley; Barwin; Batt; Beatty; Bergstresser; Bergstrom (1954); Bierci; Brain; Carlisle; Cody; Coughlan; Curry; Davidson, P.S.; Davis, J.C. (1967); Davis, J.R. (1963, 1966); Dickey; Fox; Fuller (1988); Gillespie; Grave; Granata; Hale; Heydenburg; Hill; Hoodmaker; Hunter, L.D.; Jiao; Keller; MacClintock; Madison; McClurg; Moncur, R.S.; Nace; Ochoa; Osmond; Oster; Parker; Perez; Prochaska; Roth; Rudkin; Ryan; Schmitt (1982); Serbeck; Severn; Sippel; Skinner; Smith, J.R.; Starkey, C.; Sukup; Taucher, S.E.G.; Thompson, R.M.; Toots (1962); Voorhees; Wallem; White, R.K.; Wiegman; Wilson, J.B.; Winslow; Wolf; Workum; Zoble
Crook County — Davis, J.C. (1963); Husain

Crustal study (see also COCORP) — Boyd; Burke; Ilitis; Johnson, R.A.; Larkin; McCullar; Taylor, D.J.; Williams, M.C.; Wilson, S.L.

Crystal Creek area (Big Horn and Sheridan Counties) — Cardinal

Cumberland Gap area (Lincoln and Uinta Counties) — Lawrence

Cumberland Reservoir area (Lincoln and Uinta Counties) — Walker

Cutler Formation (Utah) — Denis

Dakota Sandstone (Utah) — Yingling

Dallas anticline (Fremont County) — White, V.L.

Darby Canyon area (Teton County) — Zell

Dawson County (Texas) — Cozzens

Dayton area (Sheridan County) — Zakis

Deadman area (Lincoln County) — Voorhees

Deep Gulch Conglomerate — Kratochvil


Deer Creek area (Converse and Natrona Counties) — Berryman, R.J.; Sears, W.A., Jr.

Deep Sea Drilling Project — Heiman; Pokras; Sands

Deflation — Loope

Delaney Butte area (North Park, Colorado) — Welsh

Denver-Julesburg Basin — Babits; Copland; Reinke; Wiersma

Depositional environments (see paleoenvironments)

Devil’s Gate area (Albany and Carbon Counties) — Ruehr

Devonian (see also individual formations) — Stephen

Diagenesis — Aguado; Burch; Crossey; Coughlan; Edman; Fischer; García-González (1991); Jiao; Kablanow (1983); Knapp; Lageson (1977); Loope; MacGowan; Manske; Moncur; Moncure (1980); Moraes; Nice; Pacht; Pearson; Perez; Sands; Smith, L.K.; Tebbutt; Thyne; Wallem

Diamictites — Sylvester

Diamond Park area (Routt County, Colorado) — Murphy, R.W.

Diatremes (see also Leucite Hills) — Marks

Difficulty area (Carbon County) — Brown, O.P.; Johnson, S.A.

Dills Ranch area (Converse County) — Kron

Dinwoody Formation — Johnston, J.C.; Partridge; Schock (1982)

Dinwoody Lakes area (Fremont County) — Williams, W.C.

Dona Ana County (New Mexico) — Woods
Donnelly Ranch vertebrate site (Colorado) — Hager
Douglas Creek Arch (Colorado and Utah) — Moncure (1979)
Dry Creek area (Fremont County) — Ellerby
Dry Valley region (South Victoria Land, Antarctica) — Bucher; Fikkan
DuNoir area (Fremont County) — Keefer, W.R. (1956)
Eagle Creek area (Park County) — Galey
Earthquakes — Chambers; Stephens
East Humboldt Range (Elko County, Nevada) — Hurlow; Valasek
Ebro Basin (Spain) — Burns
Echinoderms — Wheelock
Ecuador — Repetto
Elk Basin anticline (Bighorn Basin) — Salisbury
Elk Basin oil field (Bighorn Basin) — Heasler (1978)
Elk Draw gas field (Powder River Basin) — Moncur, R.S.
Elk Hills (Kern County, California) — Berryman, W.M.
Elkhorn Ranch area (Billings and Golden Valley Counties, North Dakota) — Hanson, B.M.
Elk Mountain anticline (North Park, Colorado) — York
Elk Mountain area (Carbon County) — Dimitroff; Isberg; Novakovich
Elk Mountain area (Sublette County) — Berman
Elk Mountains (Colorado) — Zoerner
Elko County (Nevada) — Hurlow, Jaeger; MacCready; McGrew, A.J.; Starkey, K.J.; Swenson
Elko Hills (Elko County, Nevada) — Jaeger
Encampment area (Carbon County) — Ferris; Patel, C.B.; Wied
Enos Creek area (Bighorn Basin) — Long, E.G.
Eocene (see also individual formations) — Adler; Bay; Bown; Buchheim; Eaton, J.G.; Ebens (1963); Evanoff; Hanley; Lundell; MacCready; Manske; Mason, G.M.; Prichinello; Ratterman; Severn; Sheriff; Simmacher; Steele; Stuart; Weichman, D.A.; Williams, J.D.
Eolian activity — Ahlbrandt; Gaylord (1983); Kolm (1977); Loope
Ephemeral stream — Goodwin, C.N.
Ephraim Formation — Sippel
Erosion surfaces (see also Karst) — Cleven
Erway Member (Park City Formation) — Tombaugh; Wilkinson
Evanston Formation — Salat
Evaporites — Greer; Meyer; Talbot
Fanny Peak Quadrangle (Wyoming-South Dakota) — Epstein
Faults (see also structure) — Clarey; Chambers; Dudley; Jaworowski (1985); McGee; Stephens
Fauna (see paleontology)
Federal area (Laramie County) — Brady
Feldspar, authigenic — Boles
Feldspar, plagioclase — Oxburgh
Ferris area (Carbon, Fremont, and Sweetwater Counties) — Gaylord (1983)
Ferris Formation — McElhaney
Ferris-Haggarty mining area (Carbon County) — Short
Ferris Mountains — Bowers; Carpenter; Heisey; Lawson; Master
Fish Lake Mountain area (Fremont County) — Dunnwald
Fish Spring Creek area (Lincoln and Sublette Counties) — Bragdon
Flathead Formation (Sandstone) — Bell, L.H.; Middleton
Flat Top anticline (Carbon and Albany Counties) — Blevins; Carey (1950); Knight
Fletcher Park area (Sierra Madre) — Schmidt
Floyd Peak Quadrangle (Routt County, Colorado) — Fenton
Fontenelle area (Lincoln and Sublette Counties) — Hauf
Foote Creek anticline (Carbon and Albany Counties) — Dimitroff
Foraminifera — Adams; Atherton; Balcells; Baldwin, E.A.; Batt; Beatty; Bergstresser (1978, 1981); Caparco; Cody; Deiss; Dring; Gaskill; Heiman (1977); Le Febre, V.S.; Love, F.R.; Pokras; Prochaska; Ryan; Serbeck; Skinner; Sukup; Taucher, S.E.G.; White, R.K.
Forester Creek anticline (Larimer County, Colorado) — Krosky
Fort Hays Member (Niobrara Formation - Kansas) — Baldwin, E.A.; Deiss
Fort Randall dam core (South Dakota) — Gaskill
Fort Union Formation — Hartman; Leite; Mogensen; Swain; Winterfeld (1979)
Fossils (see paleontology; specific faunal types)
Fountain Formation — Fredrickson; Pederson
Fourier method — Miller, S.M.
Fox Creek area (Albany County) — Orback
Fox Hills Sandstone — Fox
Franson Member (Park City Formation) — Tombaugh
Freezeout Hills (Mountains) (Carbon County) — Baker, G.K.; Gardner; Gist; Hamilton; Maravich
Fremont County — Amos; Balsam; Barwin; Bay; Bell, W.G.; Biggs; Boles; Conard; Deland; Dickey; Doelger; Duhling; Dunnewald; Ellerby; Gilliland; Gliozzo; Gooldy; Grant; Guyton (1960); Hodge (1963); Hummel; Jackson; Karasa; Keefer, W.R. (1956); Keller; Kisling; Long, J.S., Jr.; Love, J.D.; McKay; Phillips; Powell; Prochnaska; Riva; Troyer; White, V.L.; Williams, W.C.; Wurl (1963, 1968)

French Creek area (Albany and Carbon Counties) — Childers; Matus

Frontier Formation — Batt; Burk; Haun (1953); Hunter, L.D.; Schmitt (1982); Smith, J.R.

Gallatin Valley area (Montana) — Hall

Gannett Group — Bowdler

Garland anticline (Park and Big Horn Counties) — Risley

Gastropods (see also paleontology) — Hanley; Kirschner; Kulas-Adler

Geochemistry (see also water chemistry; zeolites; and metamorphism)— Antweiler; Blum; Boles; Burch; Chen; Copeland; Crossey; Dam; DeNault; Edwards, B.R.; García-Gonzáles (1993); Gloor; Goodwin, J.H.; Herrick; Herrmann; Hoch; Kolm (1975); MacGowan; Manning; Mariner; Martin; Mason, G.M.; Master; Miller, W.R.; Mitchell, J.N.; Mott; Murphy, K.M.; Myers, J.; Ogden; Oxburgh; Patel, S.C.; Ratterman; Ridgley, J.L.; Rittie; Sahai; Sands; Shanley; Singer; Smith, A.L.; Smith, C.L.; Smith L.K.; Starkey, K.J.; Talbot; Taylor, M.W.; Uhrig; Waldon; Wallem; Wolfbauer

Geochronology — Cerveny

Georgia Piedmont — Shanley

Geomorphology — Ahlbrandt; Anderson, V.H.; Breckenridge (1969, 1974); Clausen; Cleven; Deal; Doehring; Gaylord; Gilmer; Goodwin, C.N.; Gubbels; Guyton (1965); Hallock; Hanson, B.V.; Jaworowski, C.C. (1985, 1993); Kiver; Kolm (1977); Lehrer; Montagne (1951, 1955); Moore; Murray, W.B.; Oviatt; Paylor; Peitersen; Price; Ramberg; Saulnier; Schoenfeld; Spiegel; Thomas

Geophysics — Baker; Balsam; Barron; Berg, R.M.; Black, P.R.; Black, R.A.; Branch; Brown, A.Y.; Bucher; Buelow; Cerveny; Clow; Colburn; Cook, F.A.; Cozzens; Deemer; Diehl, J.F.; Diehl, S.B.; Easley, D.H. (1989); Fiki; Fuller (1987, 1988); Hallin; Harder; Heasler; Hurich; Huycke; Illis; Isaacscon; Iverson; Johnson, R.A.; Karasa; Key; Kopiva; Liebes; Love, F.R.; Lowry; Maucione; McCullar; McDonough; Mackenzie; Medlin; Minnich; Morel; Munoz; Ntulanalwo; Oliver, K.L.; Pierson; Pruss; Pujol; Reinke; Sheriff; Smith, B.D.; Speece; Stephens; Taylor, D.J.; Taucher, P.J.; Treloar; Valasek; Vinton; Wang, D.; Wang, Y.; Williams, M.C.; Wilson, S.L.; Woodfill; Woods; Zawislak

Geothermal studies (see heat flow studies)

Gippsland Basin (Australia) — Yin

Glaciation (see also geomorphology) — Anderson, V.H.; Breckenridge (1969,1974); Kiver; Lehrer; Nissan; Oviatt; Price; Ramberg; Rochette

Glen Canyon National Recreation Area (Utah) — Hand, F.E.

Gneiss (see also Precambrian) — Banks; Murphy, D.J.; Pierson

Gold (see precious metals deposits)

Golden Spike area (Alberta, Canada) — Stephen

Good Fortune mining area (Platte County) — Ebbett
Goose Egg Formation — French; Greer; Pearson
Gorge Formation (Vermont) — Gilman
Goshen County — Dockery; Herrmann; McGrew, L.W.
Grand Canyon area (Arizona) — Hoffman; Sears, J.W.
Grand Canyon Series (Arizona) — Sears, J.W.
Granite (see also Precambrian) — Fikkan; Graveson; Pierson
Granite Creek thrust — Hunter, R.B.
Granite Mountains — Bickford; Karasa; Sherer; Taucher, P.J.
Granitization — Osterwald, F.W.
Grapevine Mountains (northern Death Valley, California) — Oakes
Graphite — Patterson
Grass Creek Basin - Leite
Gravity studies — Babits; Cook, F.A.; Hurich; Isaacson; Karasa; Londe; Lu; Medlin; Oliver, K.L.; Reinke; Vinton; Woodfill
Gravity slides (see landslides)
Grayrocks area (Platte and Goshen Counties) — McGrew, L.W.
Great Divide Basin — Grasso
Great Plains — Reinke
Great Valley (California) — Colburn
Greenland — Gohl; Jarre; Larkin; Speece
Green Lake area (Teton County) — Mankiewicz
Green Mountain area (Fremont County) — Dickey; Steele
Green Mountain area (Sierra Madre) — Schmidt
Green River aquifer (Wasatch/Green River aquifer) — Bruce
Green River Basin — Adler; Ahlbrandt; Anderson, J.E.; Bruce; Buchheim; Castro; Cutler; Deardorff; García-Gonzáles (1993); Goodwin, J.H.; Hanley; Harder; Johnston, R.H.; Kornegay; Lawrence; Lundell; Mason, G.M; Millice; Moncure (1979); Mott; Murray, W.B.; Ratterman; Sheriff; Shuster; Smithson; Sperri; Stuart; Williams, J.D.
Green River Formation — Adler; Buchheim; Castro; Deardorff; Goodwin, J.H.; Hanley; Kornegay; Lawrence; Lundell; Mason, G.M.; Millice; Moncure (1979); Mott; Ratterman; Sheriff; Stuart; Williams, J.D.
Green River Lakes area (Sublette County) — Swauger
Greenstone terrain in Minnesota — Pierson
Gros Ventre Mountains (Range) — Hunter, R.B.; Mills, J.P.; Tombaugh
Ground water — Blanchard; Bruce; Burritt; Dam; Dockery; Doremus; Easley, D.H. (1989); Edwards; Finley, J.B.; Hand, F.E.; Herrmann; Hudson; Jarvis; Johnson, F.O.; Johnson, S.A.; Larsen; Loughlin; Lundy; Mills, J.P.; Moncur, R.S.; Murphy, J.D.; Richter; Robinson; Saulnier; Shanley; Sowers; Spencer; Spiegel; Stacy; Stock; Thompson, K.S.; Vietti, B.T.; Wiersma; Wilson, R.W.; Younus

Gulf of Aden — Pokras

Gypsum deposits — Bullock; Fisher; Max

Gypsum Spring Formation — Meyer

Hahns Peak area (Colorado) — Barnwell; Hunter, J.M.

Halleck Canyon area (Albany County) — Fields

Hanna Basin — Anderson, J.E.; Berg, W.R.; Bierei; Espenschied; Isberg; Johnson, S.A.; Kirschner; Kopriva; Le Febre, G.B.; McElhaney; Oliver, K.L.

Hanna Coal Field (Carbon County) — Berg, W.R.; McElhaney

Hanna Formation — Brooks, K.J.; McElhaney; Weichman, D.A.

Hardeman Basin (Oklahoma) — Wilson, S.L.

Harestua region (Norway) — Ramberg

Haystack Mountains Formation (Hatfield Sandstone Member) — Brain

Headquarters Formation — Sylvester

Heat flow studies — Baker, K.H.; Black, P.R.; Bucher; Buelow; Cook, F.A.; Hallin; Heasler (1978, 1984); Medlin; Nybla

Heavy metals — Rittle; Uhrie

Heavy minerals — Haywood; Madson

Hecla area (Laramie County) — Brady

Highgate Falls area (Vermont) — Gilman

Highland Mine (Converse County) — Gaylord (1981)

Hilight oil field — Chen

Hilliard Formation (Shale) — Adams; Skinner; Taucher, S.E.G.

Hinman Park area (Routt County, Colorado) — McConnell

Historical geology — Dickey

Hoback Basin — Cutler

Hoback Peak area (Lincoln and Sublette Counties) — Froïcevaux

Hoback Range (Mountains) — Froïcevaux

Hog Park area (Carbon County) — Merry

Holocene (see also geomorphology) — Herrick; Linneman; Mankiewicz

Holsonay Island (Norway) — Boundy

Horse Creek area (Lincoln County) — Voorhees
Horse Creek area (Laramie County) — Cassiliano; Gray
Horse Creek Basin (Western Wyoming) — Coolidge
Horse Creek Valley area (southeastern Wyoming) — Dockery
Hosta Butte Quadrangle (McKinley County, New Mexico) — Puwakool
Hot Springs County — Ary; Bay; Burk; Dunn; Flanagan, P.E.; Jarvis; Kisling; Long, E.G.; Long, J.S., Jr.; Lyon; Phillips; Powell; Shlemon; Smith, J.R.; Sundell
Hot Springs State Park — Jarvis
Howell Lake (Albany County) — Talbot
Humboldt Range (Elko County, Nevada) — Hurlow; McGrew, A.J.; Mueller, K.J.; Valasek
Hunt Mountain area (Big Horn and Sheridan Counties) — Frey
Huston Park area (Sierra Madre) — Lackey
Hutton Lake anticline (Albany County) — Nicoll
Hydrocarbon maturation — Barrett; Bierei; García-Gonzáles (1991); Hagen; Heasler (1984); Kablanow (1983,1986); Manske; Sahai; Yin
Hydrology (see ground water)
Hydrophilic compounds — Mason, J.M.
Ichnology — Hansen
Idaho — Andrau; Bland; Donovan; Espach; Hinds; Lageson (1980); Lu; Merritt; Moran; Nice; Oliver, R.L.; Royse; Schmitt (1982); Schock (1982); Sippel; Sorenson; Wolberg; Yonkee
Ilmenite — Abrams; Diemer; Myers, J. (1978,1982)
Independence Mountain (North Park, Colorado) — Walters
Indian Rocks area (Carbon County) — Miller, W.R. (1971)
Ingelside Formation — Diehl, J.F.; Fredrickson; Sipe
Insoluble residues — Mescher; Mytton
Irish Canyon area (Moffat County, Colorado) — Manion, L.J.
Iron formation — Bickford; Duhling; Worl (1968)
Iron Mountain (Laramie Range) — Hammond; Myers, J. (1978)
Isotopes — Edwards, B.R.; Manning
Italy — Burke
Ivrea -Verbana Zone (Southern Alps, Italy) — Burke
Jack Creek area (Park County) — Dunrud
Jackson Hole — Antweiler; Ryan
Jade — Sherer

55
Jelm Formation — Hubbell; Irwin; Pipirigos
Jelm Mountain area (Albany County) — Cramer; Michalek; Vargas
Jelm Mountain Quadrangle (Albany County) — Vargas
Jewel Cave National Monument (Custer County, South Dakota) — Deal
Johnson County — Carlson; Durkee; Richardson
Jointing — Blevins; Cramer; Krosky
Julesburg Basin — Bozanic
Jurassic (see also individual formations) — Anderson (1978); Caparco; Curry; Doelger; Dresser; Gentry; Gillespie; Hubbell; Knapp; MacClintock; Meyer; Pacht; Pipirigos; Sacrison; West; Wheelock; Winslow; Wrobble; Yonkee
Kansas — Baldwin, E.A.; Bergstresser; Deiss; Dring
Karmutsen Volcanics (British Columbia) — Starkey, R.J.
Karroo Formation (Tanzania) — Lei
Karst — Mills, J.P.; Spiegel; Stacy
Kendrick Project (Natrona County) — Larsen; Wilson, R.W.
Kennaday Peak area (Carbon County) — Ashley; Barton
Kenya — Herrick
Kevin Shale Member (Marias River Formation in Montana) — Balcells
Keystone area (Albany County) — Currey
Killpecker Creek area (Sweetwater County) — Ahlbrandt
Kimberlite — Marks
Kindt Basin (Carbon County) — Davis, J.R. (1963)
Kinematic history — Duebendorfer
Kishenehn Basin (Montana) — Constenius
Kitty oil field (Powder River Basin) — Moncur, R.S.
Kootenay National Park (British Columbia, Canada) — Westervelt
La Barge Creek area (Lincoln and Sublette Counties) — Haufl; Suydam
La Barge Ridge area (Lincoln County) — Bertagnolli
La Bonte Creek area (Converse County) — Mort; Spelman
Lake Alice district (overthrust belt) — Loose
Lake Magadi (Kenya) — Herrick
Lake Maracaibo Basin (Venezuela) — Aguado
Lake Marie area (Medicine Bow Mountains) — Oviatt
Lake O’Hara area (British Columbia, Canada) — Westervelt
Lake Owen Mafic Complex (Albany County) — Catanzaro; Morel; Patchen; Ridgley, J.L.; Stensrud

Laketown Quadrangle (Rich County, Utah) — Valenti

Lake Wamsutter — Grasso

Lance Formation — Breithaupt

Lander (Hudson) anticline (Fremont County) — Troyer

LANDSAT applications (see remote sensing)

Landslides — Gilmer; Guyton (1965); Murray, W.B.; Peitersen

Laney Member (see also Green River Formation) — Buchheim; Kornegay; Williams, J.D.

La Prele Creek area (Converse County) — Barlow (1950); Mort

Laramide orogeny — Banks; Bekkar; Bernaski; Bohn; Copland; Dudley; Hagen; Heyman; Johnson, R.A.; Le Febre, G.B.; Winterfeld (1986); McGee; Young; Zawislak

Laramie area (Albany County) — Cleven; Lundy; Robinson; Thompson, K.S.

Laramie anorthosite complex — Blackstone; Bochensky; Mitchell, J.N.; Taylor, D.J.

Laramie Basin — Atherton; Baldwin, H.T.; Burritt; Cramer; Davidson, J.R.; Davidson, P.S.; Giddings; Haywood; Heiman; Irwin; King, J.R.; Kirn; Konkel; Lundy; Nicoll; Osmond; Pearson; Pipiringos; Prichinello; Robinson; Serbeck; Spalding; Talbot; Thomas; Thompson, K.S.; Toots (1962); Vargas; Whitaker; Wilson, W.H.; Younus

Laramie County — Brady; Cassiliano; Copland; Edwards; Gray; Hammond; Haun (1949); Jenkins, P.T.; Loeffler; McGraw

Laramie Range — Albanese; Benniran; Blackstone; Bochensky; Brady; Brooks, B.G.; Cassiliano; Coalson; Copeland; Copland; Diemer; Edwards, B.R.; Gray; Hallock; Hammond; Harrison; Haun (1949); Hensley; Iltis; Jenkins, P.T.; Johnson, R.A.; Langstaff; Loeffler; McCurdy; McGookey; McGraw; Marks; Marlatt; Moore; Myers, J. (1978); Mytton; Osterwald, F.W.; Patel, S.C.; Sherer; Sims; Smith, B.D.; Speece; Taylor, D.J.; Toogood; Tudor; Wiersma; Woodfill

Laramie River valley area — Edwards

Lead — Denault

Leadville Limestone (Mississippian; Colorado) — Conley

Leo Sands (Minnelusa Formation) — Tromp

Leucite Hills (Sweetwater County) — Johnston, R.H.; Ogden; Sheriff; Smithson; Sperr

Lewis Shale (Formation) — Cody; Davidson, P.S.; Wolf

Libby Creek Group — Lanthier; Sylvester

Limestone — Andersson (1978)

Limestone Hills area (Broadway County, Montana) — Ruppel

Lineaments — Novakovich

Lincoln County — Acams; Bertagnolli; Bragdon; Carlisle; DeJarnett; Froidevaux; Fruchey; Furer; Hauf; Lageson (1980); Lawrence; Litchford; Merritt; Pledge; Suydam; Vietti, J.S.; Voorhees; Walker; Wood
Lisbon Valley anticline (Utah) — Denis
Little Basin (Carbon County) — Bohn
Little Beaver Creek area (Carbon County) — Huang
Little Canyon Creek area (Washakie County) — Buffett; Dudley
Little Deer Creek area (Converse County) — Berryman, R.J.
Little Medicine district (Laramie Basin) — Konkel
Little Mountain area (Sweetwater County) — Murray, W.B.; Wiegman
Little Muddy Creek area (Lincoln and Uinta Counties) — Walker
Little Shirley Basin (Carbon County) — Brown, O.P.
Livermore area (Colorado) — Sipe
Long Valley caldera (California) — Berg, R.M.; Black, R.A.; Deemer
Lookout schist — Wilson, B.D.
Lost Soldier area (Carbon, Fremont, and Sweetwater Counties) — Gaylord (1983); Guyton (1960)
Louisiana — Granata
Lucerne anticline (Hot Springs County) — Ary
Lysite Mountain area (Fremont County) — Bay; Dunn, T.L.
Mad Creek Quadrangle (Routt County, Colorado) — Fenton
Madison County (Montana) — Foote
Madison Limestone — Diehl, S.B.; Doremus; Edman; Lageson (1977); Mescher; Mytton; Stacy
Mafic and ultramafic rocks (see also Precambrian) — Albanese; Miller, W.R. (1971); Ridgely, J.L.; Schuster; Stensrud
Magma — Liberty; Linton; Singer
Magnetic studies (see also paleomagnetic studies) — Baron; Diamond; Finley; Hoare; Isbell; Keefer, C.M.; Lei; Liebes; Mackenzie; Ntulanalwo; Templeton; Wade; Williams, M.C.
Magnete — Diemer; Myers, J. (1978,1982)
Mahogany Ridge area (Big Hole Mountains, Idaho) — Espach
Mammalian fauna (see also vertebrate fossils; paleontology) — Bown; Davidson, J.R.; Leite; Miao; Prichinello; Winterfeld (1979)
Mantle — McCullar
Maracaibo Basin (Venezuela) — Manske
Marie Byrd Land (Antarctica) — Anderson, V.H.
Marias River Formation (Montana) — Balcells
Mass wasting (see landslides)
Maturation studies — Barrett; Bierei; Hagen; Manske

Mayoworth region (Johnson County) — Richardson

McGill anticline (Albany County) — Houlette

Medicine Bow Formation — Fox

Medicine Bow Mountains (Snowy Range) — Ashley; Blum; Childers; Currey; Duebendorfer; Finley, J.B.; Flurkey; Karlstrom (1977, 1981); King, J.S.; Kiver; Lageson (1977); Lanthier; McCallum; Morel; Neely; Oviatt; Patchen; Ridgley, J.L.; Rochette; Stensrud; Swetnam; Sylvester; Templeton; Wilson, B.D.

Medicine Peak Quartzite — Flurkey

Medina Mountain area (Wind River Range) — Koesterer

Melange belt (North Cascade Range, Washington) — Jett

Mesaverde Formation (Group) — Anderson, J.E.; Barwin; Bergstrom (1954); Cody; Davis, J.R. (1963, 1966); Heydenburg; Toots (1962); Workum

Metamorphism (see also Precambrian) — Bishop; Bochersky; Duebendorfer; Foote; Hodge (1963); Holden; Lei; MacCready; May; McDonough; Osterwald, D.B.; Patel, S.C.; Starkey, R.J.; Valasek

Metapelite — Holden

Metasediments (see also Precambrian) — Ebbett; Graff; Gwinner; Holden; Karlstrom (1977,1981); Kratochvl; Langstaff

Metavolcanics (see also Precambrian) — Gorham; Lackey; Langstaff; Schmidt; Swift

Micropaleontology (Microfauna) (see also paleontology: foraminifera) — Adams; Atherton; Balcetl; Baldwin, E.A.; Batt; Beatty; Bergstresser (1978,1981); Cody; Deiss; Dring; Gaskill; Heiman (1972, 1977); Le Febre, V.S.; Love, F.R.; Pokras; Prochaska; Ryan; Serbeck; Skinner; Sukup; Taucher, S.E.G.; White, R.K.

Middle Cottonwood Creek area (Fremont County) — Riva

Midwest area (Natrona County) — Heydenburg

Migmatite (see also Precambrian) — Worl (1968)

Mike Spencer Canyon area (Bonneville County, Idaho) — Hinds

Miller Hill area (Carbon County) — Del Mauro

Mineragraphy — Patel, C.B.

Mineralization, metallic (see also mining districts; specific minerals; base metals deposits; precious metals deposits) — Benedict; Denault; Foote; Graff; Harris; Hoffman; Hughes; Kling; Kratochvl; McGrew, R.B.; Merry; Noble; Schmid; Schuster; Schoen; Swift

Mineralogy — Coolidge; Copeland; Diamond; Keefer, C.M.; Kling; Kornegay; Loose; McGrew, A.R.; Martin; Mason, G.M.; Myers, J. (1982); Ridgley, J.L.; Sands; Schock (1975); Waldon; Yonkee

Mineral reactions (see geochemistry)

Minerals, heavy — Haywood; Madson
Mining districts (see also mineralization, metallic) — Barnwell; Coalson; Davis, J.C. (1963); Dreier; Fisher; Galey; Patel, C.B.; Pedersen; Schoen; Short; Schuster

Minnelusa Formation — Desmond; Husain; Tromp

Minnesota — Gohl; Pierson

Miocene — Ebens (1966); Fisher; Yatkola

Misa Formation (Venezuela) — Manske

Mississippian (see also individual formations) — Daley; DeJarnett; Diehl, S.B.; Doremus; Edman; Gillespie; Hand, H.D.; Lageson (1977); Mescher; Mytton; Zell

Mollusks (see also paleontology) — Hanagan; Hanley; Kirschner

Montana — Andersson (1982); Badgley; Balcells; Beck; Constenius; Foote; Gillespie; Hagen; Hall; Hoare; Partridge; Ruppel; Salisbury; Schock (1982); Winslow; Zoble

Montana Group — Hale

Monterey Formation (California) — Kablanow (1983,1986); Smith, A.L.

Montpelier Canyon Quadrangle (Idaho) — Wolberg

Moonstone Formation — Mariner (1971)

Morgan Lake (Natrona County) — Waldon

Mormon Canyon area (Converse County) — Drwenski

Morne l’Enfer Formation (Trinidad) — Boodoo

Morrison Formation — Baker, G.K.; MacClintock; Yingling

Morton Pass area (Albany County) — Bochensky

Morton Ranch area (Converse County) — Harris

Mount Darby area (Lincoln County) — DeJarnett

Mount Thompson area (Sublette and Lincoln Counties) — Fruchey


Mud Creek area (Hot Springs County) — Flanagan, P.E.

Muddy Creek area (Carbon County) — McDavid

Muddy Gap area (Carbon County) — Weimer

Muddy Mountain area (Natrona County) — Schwarberg

Muddy Sandstone — Bozanic; Espenschied; Hamilton; Moncur, R.S.; Osmond; Oster; Rudkin

Mummy Range (Colorado) — Breckenridge (1969)

Nannies Peak intrusive complex (Elko County, Nevada) — Starkey, K.J.

Natrona County — Barwin; Bergstrom (1950); Berry; Bickford; Bogrett; Carey (1959); Coughlan; Dengo; Faulkner; Gillum; Heydenburg; Hoch; Jenkins, C.E.; Karasa; Larsen; Mackenzie; Mariner (1971); Mitchell, S.D.; Oster; Pekarek; Peterson; Roth; Schwarberg; Sears, W.A.; Sheffer; Sheriff; Sims; Stacy; Waldon; Wells; Will; Wilson, R.W.; Workum
Natural gas (see petroleum)

Nebraska — Bozanic; Gjelsteen; Voorhies; Yatkola

Neodymium — Manning

Nephrite — Sherer

Nevada — Barrett; Carbonell; Donovan; Gordon; Hudec; Hurlow; Jaeger; King, J.K.; Liberty; MacCready; McGrew, A.J.; Miller, R.P.; Moncure (1980); Mueller; Smith, C.L.; Starkey, K.J.; Swenson; Taylor, M.W.; Valasek

Newberry Volcano (Oregon) — Linneman

Newcastle Sandstone (Formation) — Grace; Ochoa

New Fork Lakes area (Sublette County) — Kolb

New Mexico — Cook, F.A.; Le Febre, V.S.; McCullar; Olander; Puwakool; Woods

New Rambler Mine (Albany County) — Coalson

Niagaran Stage (Ohio) — Ulteig

Niobrara County — Johnson, F.O.; Stock

Niobrara Formation — Atherton; Beatty; Bergstresser (1978); Gaskill; Serbeck

Niobrara Formation (Kansas) — Baldwin, E.A.; Dring

Niobrara Formation (New Mexico) — Le Febre, V.S.

Niobrara Formation (South Dakota) — Gaskill

North Carolina — Brown, A.Y.

North Cascades (Washington) — Hurcomb; Jett

North Dakota — Hanson, B.M.

North Fork of Owl Creek area (Hot Springs County) — Sundell

North Hahns Peak area (Routt County, Colorado) — Hunter, J.M.

North Laramie River valley area — Edwards, A.R.

North Park Basin (Colorado) — Barnes; Hoodmaker; York

North Park syncline (Colorado) — Barnes

North Platte River valley (Goshen County) — Herrmann

Norway — Ramberg

Nowood area (Washakie County) — Murray, F.E.; Todd; Trotter

Nugget Sandstone (Formation) — Doelger; Hubbell; Knapp; Pacht; Pipiringos; Wroble

Nye County (Nevada) — Barrett; Boundy

O'Brien Springs sandstone — McClurg

Oceanic arc complex (West Indies) — Rowe; Yule

Ohio — Ulteig
Oil (see petroleum)

Oil Mountain area (Natrona County) — Amos; Faulkner

Oil shale (see also Green River Formation) — Adler; Deardorff; Mason, G.M.

Oklahoma — Wilson, S.L.

Old Woman anticline (Nobrara County) — Stock

Oligocene (see also individual formations) — Evanoff; MacCready; Kron; Toots (1965)

Omaha Lake (Natrona County) — Waldon

Opal area (Lincoln County) — Pledge; Wood

Ordovician (see also individual formations) — McCoy; Morisawa; Walsh

Ore deposits (see mineralization; mining districts; base metals deposits; precious metals deposits)

Ore forming fluids — Noble

Oregon — Linneman

Organic geochemistry — Crosse; Mason, J.M.

Otter Creek area (Washakie County) — Morgan

Overthrust Belt (see also counties in area) — Adams; Andersson (1982); Andrau; Batt; Bland; Carlisle; Coogan; Cook; DeJarnett; Espach; Froidevaux; Gentry; Hauf; Hinds; Hunter, R.B.; Hurst; Knapp; Koenig, R.L.; Lageson (1980); Litchford; Loose; Moran; Nice; Oliver, R.L.; Pacht; Royce; Salat; Schmitt (1982); Schock (1975, 1982); Sippel; Skinner; Sorenson; Valenti; Wallem; Wolberg; Worrall; Yonkee

Owl Canyon area (Colorado) — Fredrickson

Owl Canyon Formation (Colorado) — Pearson

Owl Creek area (Hot Springs County) — Sundell

Owl Creek Mountains — Bay; Blundell; Duhling; Dunn (1979); Gliozzi; Gubbels; Love, J.D.; Murray, F.E.; Trotter

Pacific Creek area (Sublette and Fremont Counties) — Hummel

Pacific Ocean — Heiman (1977)

Pahute Mesa (Nevada test site) — Moncure (1980)

Paired Ridges syncline (Montgomery County, Arkansas) — Blair

Paleobathymetry (see also foraminifera) — Pokras

Paleocene (see also individual formations) — Bierei; Leite; McElhaney; Mogensen; Parker; Severn; Swain; Winterfeld (1979)

Paleoclimate (see also geomorphology) — Evanoff; Gaylord (1983); Nissan

Paleoecology — Adams; Balcells; Baldwin, E.A.; Batt; Beatty; Bergstresser (1981); Breithaupt; Buchheim; Chronic; Hanley; Kirschner; Le Febre, V.S.; Leite; Pledge; Ryan; Serbeck; Taucher, S.E.G.; Toots (1962); Wilkinson

62
Paleoenvironment — Anderson, J.E.; Andersson (1982); Baker, G.K.; Baldwin, H.T.; Bell, L.H.; Berryman, W.M.; Bottjer; Brooks, J.K.; Coughlan; Davis, J.R. (1966); Desmond; Doelger; Flurkey; Fox; Fredrickson; Hamilton; Haywood; Heydenburg; Hurst; Knapp; Kraus; Lageson (1977); Lundell; McClurg; McElhaney; Miller; Moncure (1979); Moraes; Ochoa; Ore; Pacht; Pledge; Rudkin; Schmitt (1979); Sinnacher; Sipe; Sippel; Steele; Sylvester; Toots (1965); Tromp; Wallem; Weichman, D.A.; West; Whitaker; Williams, J.D.; Yatkola; Yose

Paleogeography — Curry; DeJarnett; Greer; Grasso; Miller, R.P.; Renner

Paleolimnology — Buchheim

Paleomagnetics — Diehl, J.C.; Diehl, S.B.; Huycke; Isbell; Lee; Lei; Liebes; Morel; Pruss; Sheriff

Paleontology — Adams; Andersson (1982); Atherton; Balcells; Baldwin, E.A.; Batt; Beatty; Bergstresser (1978, 1981); Bowdler; Bown; Breithaupt; Buchheim; Caparco; Cassilliano; Chronic; Cody; Daley; Davidson, J.R.; Deiss; DeJarnett; Deland; Donovan; Dring; Durkee; Eaton, J.G.; Evanoff; Fox; Gaskell; Gilman; Hager; Hanagan; Hanley; Hansen; Hartman; Heiman (1972, 1977); Hensley; Kirschner; Kornegay; Kron; Kulas-Adler; Le Febre, V.S.; Leite; Love, F.R.; Miao; Nice; Pokras; Prichinello; Prochaska; Ryan; Schmitt (1979); Schock (1982); Serbeck; Sinnacher; Skinner; Starkey, C.; Stephen; Sukup; Tombaugh; Taucher, S.E.G.; Voorhies; Wheelock; White, R.K.; Winterfeld (1979); Wolf; Wood; Zell

Paleozoic (see also individual formations) — Jarvis; King, J.S.; Loope; McCallum; Spencer

Paleozoic Aquifer (Denver-Julesburg Basin) — Wiersma

Panamint Mountains (California) — Harding

Park City Formation — Kulas-Adler; Schmitt (1979); Tombaugh; Wilkinson

Park County — Bask; Bell; Breckenridge (1974); Bullock; Dreier; Dunrud; Eaton, J.G.; Fisher; Galey; Hasler (1978); Kraus; McGrew, A.R.; Meyer; Pedersen; Pruss; Risley; Rudkin; Salisbury

Parkman Sandstone — Heydenburg

Park Range (Colorado) — Lehrer

Parnell Creek area (Sweetwater County) — Sinnacher

Pascall experiment (Nevada test site) — Colburn; Walker

Pass Creek Basin area (Albany and Carbon Counties) — Gries; Saulnier; Weichman, D.A.

Pass Creek Ridge anticline (Carbon County) — Chadeayne

Pathfinder region — Flanagan, K.M.

Pediments — Doehring; Hanson, B.V.; Jaworowski (1985)

Pedro Mountains (Carbon County) — Graveson

Pelton Creek area (Albany and Carbon Counties) — Swetnam

Pennock Mountain area (Carbon County) — Ashley; Barton

Pennsylvanian (see also individual formations) — Del Monte; Desmond; Edman; Hansen; Harrison; Hensley; Husain; McCurdy; McGooy; Mettes; Miller, R.P.; Spalding; Thompson, K.S.; Tromp; Whitaker; Wilson, W.H.; Yose

Pequop Mountains (Nevada) — Swenson
Peridotite (see also mafic rocks) — Albanese

Periglacial features — Nissan

Permian (see also individual formations) — Andersson (1982); Basko; Del Monte; Desmond; Edman; French; Greer; Hanagan; Hansen; Hensley; Husain; Kivi; Kulas-Adler; Lei; McCue; McCurdy; McGookey; Mettes; Miller, R.P.; Partridge; Pearson; Renner; Schmitt (1979); Schock (1982); SiPe; Tebbutt; Todd; Tombaugh; Tromp; Weichman, B.E.; Whitaker; Wilkinson; Wilson, W.H.

Petrogenesis — Ogden; Starkey, K.J.

Petrography (petrology) — Albanese; Bickford; Bothner; Brooks, K.J.; Catanzaro; Conley; Davis, J.C. (1967); Ebbett; Ebens (1963); Evens (1966); Ferris; Flurkey; Fredrickson; García-Gonzáles (1993); Gliozzi; Hodge (1966); Hoch; Jett; King, J.S.; Kirn; Kling; Kraus; Lackey; Linneman; McCallum; Maret; Marshall; Mills; Mitchell, J.N.; Mueller, R.E.; Murphy, D.J.; Ogden; Patchen; Pekarek; Rowe; Short; Singer; Smith, J.R.; Starkey, K.J.; Steele; Wang; Wolfbauer; Yule

Petroleum and natural gas (see also specific areas) — Benaisa; Bierei; Burch; Chen; Dunn, T.L. (1992); Edman; Fischer; Froman; Fuller (1988); García-Gonzáles (1993); Heasler (1978, 1984); Husain; Kablanow (1983, 1986); Manning; Manske; Maret; Maucione; Mesheryakova; Moncur; Moraes; Paylor; Smith, L.K.; Spencer; Wang, Y.; Yin

Petrology (see petrography)

Phlox Mountain area (Hot Springs and Fremont Counties) — Long, J.S., Jr.

Phosphate — Kivi; Mott

Phosphoria Formation — Basko; Edman; Kivi; McCue; Mettes; Partridge; Tebbutt; Weichman, B.E.

Photolinear elements — Novakovitch

Physiography (see geomorphology)

Picacho Mountains (Arizona) — Valasek

Piceance Creek Basin (Colorado) — Lundell

Pierre Shale — Bergstresser (1981)

Pine Creek Pass area (Big Hole Mountains, Idaho) — Royse

Pine Mountain area (Natrona County) — Wills

Pine Valley basin (Nevada) — Gordon

Piney Creek Basin area (Sublette County) — Schock (1975)

Pinto Creek Quadrangle (Albany County) — Kaabar

Piping studies — Clausen

Pismo Basin (California) — Kablanow (1986)

Platinum — Schuster

Platte County — Albanese; Bothner; Ebbett; Edwards; Jenkins, P.T.; Lynn; McGrew, L.W.; Mueller, R.E.; Patterson; Toogood; Woodfill
Pleistocene (see also geomorphology) — Hager; Herrick

Pliocene (see also individual formations) — Antweiler; Berryman, W.M.; Hager; Mariner (1971); Voorhies

Plunkett anticline (Fremont County) — Troyer

Pocatello Range (Idaho) — Bland

Poe Mountain area (Albany County) — Blackstone

Polecat Bench Formation (Fort Union Formation) — Bown; Hartman

Popo Agie Formation — Wrobleski

Porcupine Creek area (Big Horn County) — Willis

Post - Laramide faulting — Dudley

Potiguar and Recôncavo basins (Brazil) — Moraes

Powder River Basin (see also counties in basin) — Chen; Desmond; Fiki; Fuller (1988); Haun (1953); Jiao; Mackenzie; Maucione; Mills; Moncur, R.S.; Morisawa; Perez; Vinton; Wang, Y.; Wilson, J.B.

Powell oil field — Maucione

Precambrian — Albanese; Banks; Bekkar; Benedict; Buckford; Bishop; Blundell; Bochensky; Catanzaro; Coalson; Copeland; Currey; Denault; Diemer; Duebendorfer; Ebbett; Ferris; Fields; Fikkan; Flurkey; Gliozzi; Gorham; Graff; Graveson; Gwinner; Hoare; Hodge (1963, 1966); Holden; Huang; Hughes; Hulsebosch; Ilis; Jarre; Johnson, R.A.; Karlstrom (1977, 1981); King, J.S.; Koesterer; Kratochvil; Lackey; Langstaff; Lanthier; Larkin; McCallum; Marlatt; Marshall; Master; Merry; Michalek; Miller, W.R. (1971); Mitchell, J.N.; Morel; Mueller, R.E.; Murphy, D.J.; Myers (1978); Osterwald, D.B.; Osterwald, F.W.; Patchen; Patel, C.B.; Pierson; Ridgley, J.L.; Ridgley, N.H.; Robertson; Rochette; Schmidt; Schuster; Sears, J.W.; Sherer; Short; Smith, D.B.; Speece; Starkey, K.J.; Starkey, R.J.; Stensrud; Swift; Sylvester; Taylor, D.J.; Toogood; Valasek; Ware; Wells; Wied; Williams, W.C.; Wilson, B.D.; Wilson, S.L.; Woodfill; Worl (1963, 1968)

Precious metals deposits — Foote; Weight

Priest River metamorphic core complex (Washington) — May

Prospect thrust — Hunter, R.B.

Proterozoic (see also Precambrian) — Flurkey; Graff; Karlstrom (1977, 1981); Mitchell, J.N.

Provenance studies — Coolidge; Salat; Schock (1975)

Quartz-pebble conglomerate — Graff; Gwinner; Kratochvil

Quaternary (see also geomorphology; individual epochs) — Breckenridge (1974); Grasso; Hanson, B.V.; Jaworowski (1985, 1993); Ramberg; Schoenfeld

Rabbit Ears Range (Jackson and Grand Counties, Colorado) — Mariner (1967); Scott

Radioactivity (see uranium; heat flow studies)

Radon — Ziegler

Railroad Valley (Nye County, Nevada) — Barrett

Rangely Field (Rio Blanco County, Colorado) — Maret
Rattlesnake Hills (Natrona County) — Bogrett; Carey (1959); Hoch; Pekarek; Rachou; Roth; Sheriff

Rawlins uplift — Barlow (1953)

Red Buttes area (Albany County) — Wilson, W.H.

Red Canyon Creek area (Fremont County) — McKay

Red Canyon Rim area (Fremont County) — Doelger

Red Fork Powder River area (Johnson County) — Carlson

Red Gulch area (Big Horn and Sheridan Counties) — Frey

Red Hills area (Teton County) — Keefer, W.R. (1952)

Red Mountain area (Laramie Mountains) — Copeland

Red Peak Formation (Member) — Irwin

Red Spring anticline (Hot Springs County) — Shlemon

Red Water Shale Member (Sundance Formation) — Andersson (1978)

Remote sensing — Berg; Earle; Froman; Grasso; Kaminsky; King, J.K.; Kolb; Kolm (1977); Levinson; Londe; Marks; Novakovitch; Oliver, R.L.; Moraes; Paylor; Templeton; Vargas

Reservoir properties — Aguado; Dunn (1992)

Richeau Hills area (Platte County; Reshaw Hills) — Lynn; Mueller

Rio Grande Rift — Buelow; Cook, F.A.; McCullar; Woods

Rock Creek fault (western Wyoming) — Chambers

Rock reflectance (see remote sensing)

Rock mechanics — Burke

Rock Springs Formation — Finley, A.K.

Rock Springs uplift — Benaisa; Davis, R.W.; Deardorff; Hale; Mogensen; Severn; Stuart; Winterfeld (1979)

Ross Island area (Antarctica) — Bucher

Round Mountain (Uinta County) — Worrall

Rhyolite (see also tuff and volcanics) — Gloor

Ruby Mountains (Nevada) — Hudec; MacCready; Valasek

Ryckman Creek anticline (Lincoln and Uinta Counties) — Vietti, J.S.

Sabine uplift area (Texas and Louisiana) — Granata

Sage Breaks Shale (Niobrara Formation) — Serbeck

Sage Creek area (Carbon County) — Del Mauro; Umbach, E.D.

Sage Creek drainage basin (southwest Wyoming) — Murphy, J.D.

Saint Marys anticline (Carbon County) — Chadeayne

Salinas Basin (California) — Kablanow (1986)
Saline lakes — Talbot; Waldon
Salt River Range (Wyoming) — Blanchard
Saltzgitter — Salder (West Germany) — Sukup
Sampling procedures — Weight
San Andreas Fault — Baker, F.B.
Sand Creek facies (lower Willwood Formation) — Bown
Sand dunes (see eolian activity)
Sandstone reservoirs — Moraes
Sand Wash Basin (Colorado) — Kornegay
San Joaquin Basin (California) — Fischer
San Rafael Swell (Utah) — Groth
Santa Barbara Basin (California) — Smith, A.L.
Santa Maria Basin (California) — Smith, A.L.
Saratoga Valley area (Wyoming and Colorado) — Montagne (1955)
Schiester Peak area (Sublette County) — Benedict
Seboyeta area (New Mexico) — Harris
Sedimentary structures — Crews; Irwin
Sediments and sedimentation — Andersson (1978); Baldwin; Bell, L.H.; Boodoo; Brooks; Constienius; Crews; DeJarnett; Doelger; Evanoff; Fredrickson; Gaylord (1981, 1983); Goodwin, C.N.; Gordon; Groll; Haywood; Irwin; Kimball; Kirn; Kornegay; Kraus; Lageson (1977); Loope; Loose; Lundell; McGee; Madson; Mankiewicz; Maret; Middleton; Miller, R.P.; Moncure (1979); Ochoa; Ore; Pacht; Pearson; Perez; Rudkin; Salat; Schmitt (1982); Schock; Sylvestre; Whitaker; Winterfeld (1986); Wroble
Seismic studies (see also earthquakes) — Berg, R.M.; Black, R.A.; Boyd; Branch; Brown, A.Y.; Carbonell; Colburn; Cozzens; Deemer; Fiki; Fuller (1987, 1988); Gohl; Gorham; Harder; Illis; Iverson; Kopriva; Liberty; Lowry; Lu; McCullar; McDonough; Maucione; May; Mayrand; Minnich; Munoz; Pujol; Rivas; Taucher, P.J.; Taylor, D.J.; Templeton; Trelor; Valasek; Walker; Wang, D.; Wang, Y.; Wilson, S.L.; Woods; Zawislak
Selenium — Kolm (1975); Larsen; Wilson, R.W.
Sellers Mountain (Laramie Range) — Langstaff
Seminoe Mountains — Albanese; Allspach; Bishop; Bohn; Cooper; Sherer; Shoemaker
Seminoe syncline (Carbon County) — Finnell
Sevier orogeny — Yingling
Shannon Sandstone Member (Cody Shale) — Perez
Shear zones — Boundary; Huang; Kelley; MacCready; McCallum; Merry; Mueller, R.E.
Shedhorn Sandstone — Tombaugh
Sheep Creek area (Fremont County) — Riva
Sheephead Mountain (Carbon County) — Banks; Sever
Sheep Mountain (Albany County) — Bradford; Cramer
Sheep Mountain (North Park, Colorado) — Welsh
Sheep Ridge area (Hot Springs and Fremont Counties) — Blundell; Phillips
Sheridan County — Cardinal; Durkee; Frey; Harston; Ramsey; Sowers; Zakis
Shirley Basin — Carey (1950); Clarey; Peterson; Riedl
Shirley fault (Carbon County) — Clarey
Shirley Mountains — Bohn; Clarey; Ferren; Graveson; Landau; Shoemaker
Shirley syncline (Carbon County) — Finnell
Sierra Madre — Buehner; DeNault; Graff; Gwinner; Huang; Hughes; Kratochvil; Lackey; Merry; Price; Ridgely, N.H.; Ritzma; Schmidt; Schuster; Short; Swain; Swift; Ware; Wied
Silicates — Goodwin, J.H.
Silification of fossils — Daley
Silver Star (Madison County, Montana) — Foote
Sinclair area (Carbon County) — Anderson, J.E.
Sixmile Gap area (Albany and Carbon Counties) — Myers, W.G.
Skylab — Earle
Slate Creek metamorphic terrain (Albany County) — Holden
Slavonia area (Routt County, Colorado) — Murphy, R.W.
Slope development studies — Clausen; Gilmer
Slope stability — Miller, S.M.
Smith Creek area (Converse and Natrona Counties) — Sears, W.A.
Smokey Hill member (Niobrara Formation; Kansas) — Dring
Snake River lineament — Oliver, R.L.
Snake River Plain — Fuller (1987)
Snider Basin area (Sublette County) — Koenig, R.L.
Snowy Range (see Medicine Bow Mountains)
Soap Hole Lake (Albany County) — Talbot
Solution cleavage — Gentry; Yonkee
Sonic logs — Munoz
Sortehjorne area (Mesters Vig, Scoresby Land, East Greenland) — Jarre
Source rock studies — Bierei; Coolidge; Hagen; Manske; Schock (1975); Wallem
South America — Booodoo; Repetto; Rowe; Yule
South Dakota — Deal; Epstein; Gaskill; Grace; Sacrison; Tromp
South Pass area (Fremont County) — Balsam; Bottjer; Worl (1963)
South Pass Formation — Bottjer
South Sheep Mountain area (Fremont County) — Goody
Spain — Burns
Sphinx Mountain area (Montana) — Beck
Spring Creek area (Moffat County, Colorado) — Elias
Squaw Rock area (Laramie Range) — Woodfill
Stanaker Formation (Uinta Mountains area) — Sikich
Statistical analysis — Chen; Cleven; Cramer; Faucette; Jaworoski (1985); Kelley; Madson; Miller, S.M.
Steele Shale — Cody
Stewart Peak Quadrangle (Lincoln County) — Lageson (1980)
Stinkingwater mining region (Park County) — Fisher
Stratigraphic traps — Husain
Stratigraphy (see also geology of specific areas) — Amos; Anderson, J.E.; Badgley; Baker; Balcells; Baldwin; Barwin; Basko; Bay; Bell, L.H.; Benniran; Bergstresser; Bergstrom; Bernaski; Berry; Biggs; Bown; Bozanic; Brain; Burk; Burns; Carlisle; Carlson; Cassiliano; Castro; Constenius; Conley; Crews; Curry; Davidson; Davis, J.C.; Davis, J.R. (1966); Davis, R.W.; Deardorff; DeJarnett; Deland; Del Monte; Desmond; Dresser; Durkee; Eaton, J.G.; Ebens (1966); Espenschied; Finley, A.K.; French; Gardner; Gaylord (1981); Gillum; Grace; Granata; Gries; Groth; Hale; Hamilton; Hand, H.D.; Harrison; Haun (1953); Heydenburg; Hoodmaker; Hubbell; Hunter; Jaeger; Jaworowski (1993); Johnston, J.C.; Keller; Kistner; Kivi; Knapp; Koenig, R.L.; Lanthier; Lawrence; Litchford; Loeffler; MacClintock; McClurg; McCoy; McCue; McCurdy; McGookey; McGrew, A.R.; Maret; Mason, G.M.; Merritt; Mescher; Mettes; Meyer; Miller, R.P.; Millice; Minick; Mogensen; Morisawa; Myton; Nace; Osmond; Oster; Parker; Partidge; Patchen; Pederson; Pipirigos; Pledge; Pokras; Rachou; Renner; Rivas; Roth; Ryan; Sacrison; Salat; Schmidt (1979, 1982); Schock (1982); Severn; Shuster; Sikich; Simnacher; Skinner; Tebbutt; Thompson, R.M.; Todd; Toots (1965); Tromp; Ulteig; Voorhees; Walsh; Weichman, B.E.; Weichman, D.A.; West; Wiegman; Williams, J.D.; Wilson, J.B.; Wilson, W.H.; Winslow; Winterfeld (1986); Wood; Workurn; Wroble; Yingling; Zoble
Strona - Ceneri Zone (Southern Alps, Italy) — Burke
Strong Creek prospect (Albany County) — Kling
Structure (see also geology of specific areas) — Albanese; Baker, F.B.; Banks; Bekkar; Bell, W.G.; Bickford; Blair; Bland; Blevins; Blundell; Bohn; Bothner; Boundy; Boyd; Bradford; Branch; Burke; Cook, W.R.; III; Copland; Cramer; Crews; Dickey; Dimitroff; Duebendorfer; Ebbett; Ferris; Finley, A.K.; Finnell; Froidevaux; Fruchey; Furur; Gentry; Gillum; Gliozzi; Gordon; Granata; Gries; Gubbelis; Gwinner; Hauf; Hodge (1966); Huang; Hudec; Hulsebosch; Hunter, R.B.; Hurlow; Jaeger; Johnson, R.A.; Keefer (1956); King, J.S.; Koenig, R.L.; Kroisky; Lageson (1980); Landau; Lanthier; Larkin; Litchford; Le Febre, G.B.; Londe; Lu; McCallum; McGee; Marshall; Mills, J.P.; Moran; Novakovich; Osterwald, D.B.; Osterwald, F.W.; Pekarek; Reinke; Risley; Rowe; Salisbury; Sears, J.W.; Sever; Shuster; Spalding; Stephens; Suydam; Swauger; Swenson; Thomas; Toogood; Valenti; Van Ingen; Vietti, J.S.; Voorhees; Wells; Westervelt; Wiersma; Wilson, B.D.; Wilson, S.L.; Wolberg; Worl; Worrall; Yonkee; Yule

Subduction — Black, P.R.

Sublette County — Baker; Benedict; Berman; Bragdon; Carlisle; Coolidge; Cutler; Edman; Froidevaux; Fruchey; Furur; Hauf; Hummel; Koenig, R.L.; Kolb; Litchford; Schock; Suydam; Swauger; Tombaugh; Worl (1968)

Sublette Range Conglomerate — Salat

Subsidence — Berg, W.R.; Hill; Lowry

Subsurface geology — Bozanic; Castro; Morisawa

Sundance Formation — Andersson (1978); Dresser; Hubbell; Pipirigos; West; Wroble

Sunlight area (Park County) — Dreier; Pedersen

Superior Province (Manitoba, Canada) — Boyd; Williams, M.C.

Sussex Sandstone — Wilson, J.B.

Sweetwater County — Adler; Ahlbrandt; Benaissa; Bottjer; Breithaupt; Brown, P.L.; Buchheim; Castro; Cunningham; Davis, R.W.; Deardorff; Ebens (1963); Goodwin, J.H.; Guyton (1960); Hale; Hanley; Jackson; Johnston; Kistner; Kornegay; Mogensen; Murphy, J.D.; Murray, W.B.; Ogden; Paylor; Ratterman; Severn; Sheriff; Shuster; Simnacher; Smithson; Sperr; Stuart; Wiegman; Williams, J.D.; Winterfeld (1979)

Syenite — Copeland (1970)

Tabernacle Butte area (Sublette County) — Berman

Table Mountain (Albany County) — Montagne (1951)

Table Rock gas field (Sweetwater County) — Paylor

Taconite (see also iron formation) — Worl (1968)

Tanzania — Lei; Ntulanalwo

Taphonomy — Donovan; Voorhies

Teapot Sandstone — Coughlan

Tectonics — Babits; Bernaski; Bottjer; Bowers; Branch; Constienius; Earle; Flanagan, K.M.; Gillespie; Graff; Groll; Hurst; Kroisky; Le Febre, G.B.; McGrew, A.J.; Murphy, D.J.; Parker; Salat; Schmitt (1982); Shuster; Sippel; Spalding; Treloar; Van Ingen; Weichman, D.A.; Winslow; Winterfeld (1986); Yingling

Tectonite (see shear zone)
Tectonostratigraphy — Parker
Teels Marsh (Nevada) — Smith, C.L.; Taylor, M.W.
Temple Peak Quadrangle (Fremont and Sublette Counties) — Benedict
Tennessee — Brown, A.Y.
Ten Sleep area (Washakie County) — Trotter
Tensleep Sandstone — Burch; Edman; Mettes
Terraces — Jaworowski (1993)
Tertiary (see also individual formations and epochs) — Badgley; Berry; Bierei; Bottjer; Carey (1959); Ebens (1963); Fiki; Fisher; Goodwin, J.H.; Grant; Hurst; King, J.K.; Kirschner; Kistner; Kolm (1975); Kraus; Lawrence; McGrew, A.R.; Merritt; Mueller; Millice; Minick; Moncure (1979); Mott; Nace; Pledge; Rachou; Ratterman; Sheriff; Wiegman
Teton County — Antweiler; Hunter, R.B.; Keefer, W.R. (1952); Mankiewicz; Prochaska; Ryan; Worl (1968); Zell
Texas — Cozzens; Granata
Thaynes Formation — Donovan; Nice
Thermal analysis — Jiao; Medlin
Thermal conductivity (see also heat flow studies) — Sahai
Thermal evolution — Bierei, Hudec; Kablanow (1986)
Thermal modeling — Nyblade
Thermodynamics (see also geochemistry; metamorphism) — Myers, J. (1982)
Thermomechanical modeling — Londe
Thermopolis anticline (Hot Springs County) — Ary
Thermopolis Shale (Formation) — Espenschied; Osmond; Oster; Zoble
Thompson Pass area (Lincoln and Sublette Counties) — Furer
Thousand Springs Valley area (Madison and Teton Counties, Idaho) — Sorenson
Thrust Belt (see Overthrust Belt)
Thrusts (see also Overthrust Belt; structure) — Fruchey; Furer; Gentry; Hauf; Hunter, R.B.; Suydam; Voorhees; Yonkee
Tight gas sands - Mesheryakova
Tipton Member (Green River Formation) — Castro
Tip Top field (Sublette County) — Edman
Titaniferous magnetite — Diemer; Myers (1978, 1982)
Titanomaghemite — Keefer, C.M.
Tobago (West Indies) — Rowe; Yule
Tolu area (Colombia) - García-Gonzáles
Tongue River valley area (Sheridan County) — Sowers

Top of the World Provincial Park (British Columbia) — Spiegel

Tower Sandstone lenses (Eocene) — Ebens (1963)

Trace elements — Kimball; Smith, C.L.

Trace fossils — Andersson (1982)

Trail Creek area (Laramie County) — Cassiliano

Triassic (see also individual formations) — Doelger; Donovan; French; Gardner; Greer; Hubbell; Huycke; Irwin; Johnston, J.C.; Knapp; Lei; Nice; Pacht; Partridge; Pipiringos; Renner; Schock (1982); Sikich; Wroble

Trilobites — Gilman

Trinidad — Boooodoo

Trona — Brown, P.L.

Troublesome Creek Basin (Carbon County) — Koenig, A.A., Jr.; Van Ingen; Johnson, S.A.

Tuff — Antweiler; Ebens (1966); Goodwin, J.H.; Gloor; Mayrand; Olander; Ratterman; Taylor, M.W.

Tunp Member (Wasatch Formation) — Hurst

Tununk Shale (Utah) — Love, F.R.

Twin Creek Formation — Gentry; Yonkee

Uinta Basin (Utah and Colorado) — Kimball

Uinta County — Brown, P.L.; Cook, W.R., Ill; Gilmer; Lawrence; Vietti, J.S.; Walker; Wolfbauer; Worrall

Uinta Mountains — Bernaksi; Gilmer; Schoenfeld; Sikich

Uncompahgre Plateau (Utah and Colorado) — Heyman

Underground coal burns — Cunningham

Underground coal gasification — Mason, J.M.

Unkapa Sandstone — Sacrisson

Upheaval Dome (San Juan County, Utah) — Fiero

Upper Fall Creek Basin area (Mummy Range, Colorado) — Breckenridge (1969)

Upper Slide Lake area (Teton County) — Ryan

Uranium — Dam; Denis; Fiki; Gaylord (1981); Gjelsteen; Graff; Grant; Graveson; Gwinner; Harris; Kratochvil; Levinson; Mackenzie; Mills; Mott; Taucher, P.J.; Uhrie; Vinton

Utah — Bernaski; Branch; Denis; Donovan; Fiero; Groth; Hallin; Hand, F.E.; Heyman; Kimball; Knapp; Londe; Loope; Love, F.R.; Moncure (1979); Nice; Pacht; Richter; Schmitt (1982); Schoenfeld; Sikich; Skinner; Valenti; Wheelock; Yingling

Vancouver Island (British Columbia) — Starkey, R.J.

Venezuela - Aguado; Manske; Rivas

72
Vermillion Creek area (Moffat County, Colorado) — Manion, L.J.

Vermont — Gilman

Vertebrate fossils (see also paleontology) — Hager; Hartman; Kron; Leite; Miao; Voorhies; Winterfeld (1979)

Volcanic events — Nyblade

Volcanics (see also tuff; metavolcanics; and individual formations) — Antweiler; Carey (1959); Dunrud; Eaton, J.G.; Ebens (1966); Goodwin, J.H.; Isbell; Johnston, R.H.; King, J.K.; Lee; Linneman; Linton; Mariner (1967); Ogden; Pekarek; Pruss; Schmidt; Sheriff; Smithson; Sperr; Starkey, R.J.; Sundell; Swift; Taylor, M.W.

Wagon Bed Formation — Amos

Wagonhounds Creek area (Carbon County) — Bauer

Wasatch/Green River aquifer — Bruce

Wasatch Formation — Davis, R.W.; Hanley; Hurst; Kolm (1975); Lawrence; Simnacher

Washakie Basin — Kornegay; Mesheryakova; Ratterman

Washakie County — Bay; Bown; Buffett; Dudley; Fulkerson; Morgan; Murray, F.E.; Smith, J.R.; Tebbutt; Trotter

Washington — Hurcomb; Jett; Lu; May

Water chemistry (see also ground water) — Blanchard; Blum; Bruce; Clow; Easley, D.H.; Finley, A.K.; Loughlin; Miller, W.R. (1974); Murphy, J.D.

Water of compaction — Noble

Water resources (see ground water)

Weathering — Clow; Mast; Rochette

Weber Formation — Maret

Western Wyoming (see also Overthrust Belt) — Andersson (1982); Pacht; Schock (1975, 1982); Schmitt (1982)

Western United States — Black, P.R.

West Germany — Sukup

West Glacier (Snowy Range, Albany County) — Rochette

West Indies — Boodoo; Rowe; Yule

Weston County — Davis, J.C. (1963); Epstein; Husain; Ochoa

West Pine Creek area (Bonneville County, Idaho) — Andrau

Wheatland Reservoir area (Albany County) — Brooks, B.G.

Whiskey Gap (Carbon County) — Weimer

Whiskey Peak area (Fremont County) — Dickey; Gilliland

White River Formation — Evanoff

Wiggins Formation — McGrew, A.R.
Wildrose Peak area (Panamint Mountains, California) — Harding
Wilkins Peak Member (Green River Formation) — Mott
Willow Creek area (Fremont County) — Ellerby
Willow Creek area (Natrona County) — Gillum
Willow Creek Pass area (Grand and Jackson Counties, Colorado) — Manion, R.E.
Willow Spring archaeological site (southwestern Wyoming) — Hanson, B.V.
Willwood Formation — Bown; Kraus
Windmill Islands (Budd Coast, Antarctica) — Robertson
Wind River Basin (see also counties in basin) — Barwin; Jaworowski (1993); Keller; Troyer; Weichman B.E.; White, V.L.; Zawislak
Wind River Formation — Amos; Baldwin, H.T.; Davidson, J.R.; Grant
Wind River Range (Mountains) — Bell, W.G.; Benedict; Biggs; Bottjer; Cerveny; Deland; Gorham; Groll; Hodge (1963); Hulsebosch; Hurich; Koesterer; McGee; Marshall; Williams, W.C.; Winterfeld (1986); Worl (1963, 1968); Zawislak
Wood Hills (Humboldt) metamorphic complex (Nevada) — Mueller, K.J.
Wood River area (Park County) — Breckenridge (1974)
Wyoming badlands — Clausen
Wyoming geographical explorations prior to 1900 — Umbach, P.H.
Wyoming geological explorations prior to 1900 — Umbach, P.H.
Wyoming Peak area (Wyoming Range) — Litchford
Yoho National Park (BritisAUTHh Columbia, Canada) — Westervelt
Zeolites — Bay; Boles; Dunn (1979); Goodwin, J.H.; Herrick; Mariner (1971); Moncure (1980); Olander; Ratterman; Smith, C.L.
Zinc — DeNault; Martin
Geology -- Interpreting the past to provide for the future