

UNITED STATES DEPARTMENT OF THE INTERIOR  
Harold L. Ickes, Secretary  
GEOLOGICAL SURVEY  
W. C. Mendenhall, Director

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Bulletin 892

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BIBLIOGRAPHY  
OF  
NORTH AMERICAN GEOLOGY  
FOR  
1935 AND 1936

BY  
EMMA MERTINS THOM



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# BIBLIOGRAPHY OF NORTH AMERICAN GEOLOGY 1935 and 1936

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By EMMA MERTINS THOM

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## INTRODUCTION

The bibliography of North American geology, including paleontology, petrology, and mineralogy, for the years 1935 and 1936 lists publications on the geology of the continent of North America and adjacent islands and on Panama and the Hawaiian Islands. It includes textbooks and papers of general character by American authors, but not those by foreign authors, except papers that appear in American publications. The volume was closed January 31, 1937.

The papers, with full title and medium of publication, are listed under the names of their authors, which are arranged in alphabetic order. The author list is followed by an index to the literature cited.

The bibliography of North American geology to the end of the year 1934 is contained in Bulletins 746 (Bibliography) and 747 (Index), covering the period 1785-1918; Bulletin 823, covering the period 1919-28, in which previous bibliographies and cumulations of the United States Geological Survey have been combined; Bulletin 834, 1929-30; Bulletin 858, 1931-32; Bulletin 869, 1933-34. All these Bulletins except 869, by the present author, were compiled by John M. Nickles.



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4236. Map of parts of Oklahoma and Kansas, showing the distribution of the Bartlesville and Burbank (Red Fork) sands, sheet 3B; prepared by Nathan Wood Bass and William Reese Dillard, assisted by Constance Leatherock. Kansas portion, except Cowley County, prepared in cooperation with the Kansas Geological Survey. Compiled in 1934 and 1935. Scale 1:125,000 (1 inch to 2 miles), 1935.
4237. Map of Osage County, Okla., showing the subsurface geologic structure of the top of the Fort Scott limestone (Oswego lime), the producing rocks in oil and gas wells, and the deepest rocks penetrated in dry holes, sheet 1; prepared by Nathan Wood Bass and Luther E. Kennedy, assisted by J. C. McClure, Harold Beach Goodrich, Charles Townsend Kirk, Otto Leatherock, William Reese Dillard, William Earle Shamblin, J. N. Conley, Jess H. Hengst, and Harold D. Jenkins. Compiled in 1934 and 1935. Scale 1:125,000 (1 inch to 2 miles), 1935.
4238. Map of Osage County, Okla., showing the subsurface geologic structure of the top of the Fort Scott limestone (Oswego lime), the wells producing oil or gas from Ordovician rocks, and dry holes that found Ordovician rocks barren of oil and gas, sheet 2; prepared by

## United States Geological Survey—Continued.

## 4238. Map of Osage County, Okla., etc.—Continued.

Nathan Wood Bass and Luther E. Kennedy, assisted by J. C. McClure, Harold Beach Goodrich, Charles Townsend Kirk, Otto Leatherock, William Reese Dillard, William Earle Shamblin, J. N. Conley, Jess H. Hengst, and Harold D. Jenkins. Compiled in 1934 and 1935. Scale 1:125,000 (1 inch to 2 miles), 1935.

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 Flying reptile, Permian, Castle Peak: Mathews, 2609.  
 Red beds, vertebrates: Romer, 3347.  
 Rugose coral, lower Permian: Heritsch, 1713.  
 Trimerorhachis, Archer County: Case, 692.

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*Carboniferous*—Continued.

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- Waagenophyllum, Permian: Heritsch, 1712.
- Texas and Mexico, Parafusulina, dimorphism: Dunbar, 1091.
- Trilobite genera: Weller, 4387.
- Virginia, Protocanites lyoni, Mississippian: Miller, 2705.
- Walchia, Pennsylvania and New Brunswick: Darrah, 978.
- West Virginia, Alma bed coal, Spruce River no. 4 mine: Fieldner, 1255.
- Wyoming, Casper formation, Cephalopoda: Miller, 2712.
- Cephalopods, Phosphoria formation, Permian: Miller, 2699.
- Fusulinids, Pennsylvanian, Black Hills: Thompson, 4100.
- Ostracoda, Mississippian: Morey, 2797.
- Punctospirifer pulchra, Permian: Thomas, 4085.

*Cretaceous*.

- Alabama, Diploschiza melleni: Stephenson, 3876.
- Giant turtle and mososaur: Anonymous, 4676.
- Greene County, reptiles: Renger, 3245.
- Alberta, dinosaurs: Parks, 3013.
- Fauna Milk River beds: Russell, 3430.
- Hooded hadrosaurs: Sternberg, 3884.
- Lea Park shale fauna: Warren, 4348.
- Arizona, faunas, Bisbee: Stoyanow, 3960.
- Plesiosaur, Black Mesa: O'Connell, 2934.
- Arkansas, Ostracoda, Gulf coastal plain: Israelsky, 1910.
- California, diatoms, Panoche Hills: Hanna, 1615.
- Dinosaur, Patterson: Hesse, 1730.
- Canada, western, mammals: Russell, 3434.
- Coals, microscopic features, Alberta: Jones, 2005.
- Crustacea, Atlantic and Gulf Coastal Plain: Rathbun, 3184.
- Cuba, Foraminifera, Santa Clara Province: Rutten, 3462.
- Orbitoides, Havana Province: Gravel, 1505.
- Rudistids, Santa Clara Providence: Rutten, 3464.
- Georges Bank fossils: Stephenson, 3878.
- Foraminifera: Cushman, 944.
- Plethopora americana: Bassler, 230.
- Greenland, coals, paleobotanic examination: Miner, 2745.
- East: Bøggvad, 361; Frebald, 1332.
- Koldewey Island: Frebald, 1333.
- Western, plants: Seward, 3644.
- Jamaica, corals: Wells, 4390.
- Kansas, Cephalopoda: Morrow, 2803.
- Hierosaurus coleii, Gove County: Mehl, 2630.

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- Laccopteris galleyi, Mankato: Miner, 2744.
- Manitoba, amber, Cedar Lake, fauna: Walker, 4323.
- Trinacromerum kirkii: Russell, 3432.
- Maryland, conifers, Northwest Branch: Brown, 490.
- Mexico, Echinodermata, San Louis Potosi: Lambert, 2295.
- Echinoids: Müllerried, 2812.
- Mollusca, Lower California: Anderson, 65.
- Mexico and Texas, Cephalopoda, Rio Grande: Renz, 3249.
- Mississippi, Diploschiza melleni: Stephenson, 3876.
- Montana, coals, paleobotanic examination: Miner, 2745.
- Meniscoëssus, Ekalaka: Simpson, 3720.
- Paleocene mammals: Simpson, 3715.
- New Jersey, Breviarca haddonfieldensis for Trigonarca saffordi: Stephenson, 3875.
- Microfauna, Monmouth and Rancocas groups: Jennings, 1944.
- Xanthites lenolensis: Rathbun, 3185.
- Xylomites cycadeoideae, Woodbridge: Chrysler, 751.
- New Mexico, Reptilia, Kirtland formation: Gilmore, 1434.
- North Carolina, Torreya antiqua, Fayetteville: Boeshore, 364.
- North Dakota, conifers, near Mandan: Brown, 490.
- Polyporites stevensoni, Wade; Brown, 494.
- Opossums, recent and fossil, classification: Simpson, 3717.
- Oregon, forests: Sanborn, 3482.
- Ostreidae, Gulf region: Stephenson, 3877.
- Saskatchewan, floras, Whitemud and Ravenscrag formations: Berry, 300.
- Lea Park shale fauna: Warren, 4348.
- South Carolina, Myrtle Beach, invertebrates: Prouty, 3138.
- Tempskya, field identification, fern: Brown, 492.
- Texas, dicotyledonous leaves, Erath County: Ball, 173.
- Echinoids, trans-Pecos: Smiser, 3744.
- Navarro-Taylor diagnostic Foraminifera: Plummer, 3099.
- Ostracoda: Alexander, 26, 27.
- Pteranodon: Gilmore, 1435.
- Trinidad, Northern Range fauna: Trechmann, 4161.
- Toco Bay, sponges and coral: Thomas, 4084.
- Venericardia beaumonti: Rutsch, 3458.
- Verneulinidae, Valvulinidae and Virgulinidae: Cushman, 945.



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Wyoming, selenium in vegetation:  
Beath, 248.

Triceratops eurycephalus, Goshen  
County: Schlaikjer, 3558.

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Alberta, fish, Triassic and Devonian,  
Canadian Rockies: Warren, 4349.

Timanites occidentalis, Jasper Park:  
Miller, 2711.

Ammonoidea: Miller, 2704.

Arizona, Paleozoic formations: Stoyan-  
now, 3959.

Catskill magnafacies, seaward phase:  
Caster, 703.

Charophyta, Paleozoic: Peck, 3040.

Colorado, fish: Bryant, 530.

Devonian, Middle, mid-West: Cooper,  
864.

Edrioasteroidea: Bassler, 232.

Greenland, east, Gauss Peninsula and  
Passage Hills: Sive-Söderbergh,  
3468.

East, labyrinthodont stegocephallans  
and primitive Reptilia: Sive-Söder-  
bergh, 3469.

East, Placodermi: Stensio, 3865.

Indiana, crinoid stems on fossil wood:  
Wickwire 4472.

Tabulate corals Falls of the Ohio:  
Werner, 4420.

Iowa, ammonoids: Miller, 2701.

Athyris and Cyrtina: Fenton, 1226.

Atrypa: Fenton, 1232.

Crinoids, Cedar Valley formation:  
Laudon, 2350.

Phacopinae: Delo, 1020.

Kentucky, Dlicinia kentuckiensis: Read,  
3207.

Flora: Read, 3208.

Tabulate corals, Falls of the Ohio:  
Werner, 4420.

Michigan, southeastern, Dundee lime-  
stone: Bailey, 223.

Missouri, Gruenewaldtia: Greger, 1520.

Trochiliscaceae: Peck, 3043.

Montana, Pterygotus: Ruedemann,  
3404.

Nanicella, for Endothyra gallowayi:  
Henbest, 1692.

New Hampshire, Brachiopoda, in mica  
schist, Mount Clough: Billings,  
319.

New Mexico, fauna, Sacramento Moun-  
tains: Stainbrook 3816.

New York, annelid jaws, Hamilton, On-  
tario County: Eller, 1161.

Blastoids: Reimann, 3240.

Calamopitys, Taughannock Gorge:  
Thomas, 4083.

Cephalopods, Connewango: Flower  
1291.

Cherry Valley cephalopods: Flower,  
1292.

Cladoxylon dawsoni, Canadalgua  
Lake: Read, 3206.

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*Devonian*—Continued.

## New York—Continued.

Crinoids: Goldring, 1464; 1465, 1466.

Dipleura dekayi, young stages: Coop-  
er, 881.

Echinocaris, Alfred Station: Eller,  
1163.

Eurypterus (Stylonurus?) maccar-  
thyi: Kjellesvig, 3215.

Faunal differentiation: Chadwick,  
706.

Fishes: Bryant, 527.

Gilboa petrified forest: Goldring,  
1462.

Otarion halli, Hamilton group, Erie  
County: Wheeler, 4441.

Plants: Arnold, 86.

Pseudohydnoceras erraticum: Ref-  
mann, 3239.

Pterygotus: Ruedemann, 3404.

Terataspis grandis, giant trilobite:  
Reimann, 3242.

New York, Tully formation: Cooper,  
862.

Ohio, Ostracoda, Silica shale: Stewart,  
3897.

Oklahoma, Phacopinae: Delo, 1020.

Ontario, Homalophyllum thedordensis:  
Stewart, 3896.

Ostracoda, Arkona: Coryell, 881.

Wood, Kettle Point, Lake Huron:  
Russell, 3427.

Pennsylvania, Archaeopteris, McKean  
County: Arnold, 89.

Cephalopods, Conewango: Flower,  
1291.

Chemung tracks and trails: Willard,  
4487.

Eurypterus arnoldi, McKean County:  
Ehlers, 1147.

Hypothyridina venustula: Willard,  
4488.

Lepidostrobos gallowayi, Port Alle-  
gany: Arnold, 87.

Onondaga faunas: Willard, 4501.

Ostracoda, revision Primitiidae and  
Beyrichiidae: Swartz, 3991.

Sauripterus taylori: Gregory, 1524.

Schizodiscus antecrenulus, Perry  
County: Cleaves, 771.

Spirifer divaricatus: Willard, 4498.

Sporodoceras milleri, Erie County:  
Miller, 2709.

Phacopid trilobites, revision: Delo, 1019.

Quebec, cephalaspids: Robertson, 3320.

Dipnoan skull roof: Romer, 3350.

Plants, Scaumenac Bay: Arnold, 91.

Scaumenella mesacanthi: Graham-  
Smith, 1493.

Stromatoporoida, systematic position:  
Parks, 3014, 3015.

Tennessee, western, Ostracoda, Bird-  
song shale: Wilson, 4532.

Trilobites, Lichadian, revision: Phleger,  
3080.

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## Devonian—Continued.

*Trochiliscus*, Kentucky and Ohio:  
Hacquaert, 1591.

Vertebrates, early, environment: Romer,  
3346.

Wyoming, eurypterids, Beartooth Butte:  
Ruedemann, 3407.

Fishes, Beartooth Butte: Bryant, 528.

## Jurassic.

Arcidae, classification: Reinhart, 3243.

Arizona, dinosaur, bipedal: Camp, 631.

Greenland, Cape Leslie, Milne Land, in-  
vertebrates: Spath, 3798, 3799.

East, Scoresby Sound, plants: Harris,  
1643.

Plesiosaur: von Huene, 1876.

Paleobiology, mammals: Simpson, 3714.

South Dakota, Ostracoda, Morrison for-  
mation, Black Hills: Harper, 1635.

Utah, *Apatosaurus*, osteology: Gilmore,  
1437.

Wyoming: Crickmay, 901.

Invertebrates, Morrison: Branson, 438.

Sinclair dinosaur expedition, 1934:  
Brown, 474.

## Ordovician.

Alberta, cephalopods: Ulrich, 4210.

Arizona, Paleozoic formations: Stoy-  
anow, 3959.

Arkansas, graptolites, Polk Creek shale:  
Decker, 998.

*Batostoma* to *Fenestella*: Sardeson,  
3515.

Brachiopods, Ozarkian and Canadian:  
Ulrich, 4216.

Bryozoa, *Leptotrypa* to *Fustulipora*:  
Sardeson, 3514.

*Calapoecia*, revision: Cox, 886.

California, auluroid, Barrell Springs:  
Phleger, 3079.

Canada, northwestern, trilobites: Koba-  
yashi, 2242.

Cephalopods, Ozarkian and Canadian:  
Ulrich, 4210.

Chazy corals: Okulitch, 2947.

Colorado, *Astraspis* and *Eriptychius*,  
Canon City: Bryant, 529.

Edrioasteroidea: Bassler, 232.

Fulton fauna: Shideler, 3689.

Greenland, north, actinoceroid Cephalo-  
poda: Telchert, 4035.

Illinois, Fernvale formation, fauna:  
Greger, 1519.

Iowa, cephalopods, Maquoketa shale:  
Foerste, 1299.

Conodonts, Decorah shale: Stauffer,  
3840.

Ostracoda in Hull and Decorah for-  
mations: Kay, 2028.

Labrador, fossils: Little, 2426.

Minnesota, *Batostoma* and *Hemi-  
phragma*: Sardeson, 3512.

Conodonts, Decorah shale: Stauffer,  
3840; Glenwood beds: Stauffer,  
3837.

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## Ordovician—Continued.

## Minnesota—Continued.

*DeKayella praenuntia*: Sardeson,  
3507.

*Hallopora*: Sardeson, 3508.

*Homotrypa minnesotensis*: Sardeson,  
3506.

*Monotrypa* and *Eridotrypa*: Sarde-  
son, 3513.

*Monticulipora grandis* and *M. ar-  
borea*: Sardeson, 3504.

*Prasopora simulatrix*: Sardeson, 3503.

Missouri, cephalopods: Ulrich, 4210.

Inarticulate brachiopods, Grassy  
Creek shale, Pike County: Greger,  
1516.

New York, *Radiolaria* in cherts: Ruede-  
mann, 3416.

Northwest Territories, *Chaetetes ak-  
patokensis*: Oakley, 2928.

Oklahoma graptolites, Simpson group:  
Decker, 996.

Sylvan shale: Decker, 998.

Viola limestone: Ruedemann, 3402.

Ontario, Ostracoda, in Hull and De-  
corah formations: Kay, 2028.

Phacopid trilobites, revision: Delo,  
1019.

Quebec, cephalopods, *Beatricea*, Akpa-  
tok Island: Foerste, 1301.

Percé: Foerste, 1302.

Fauna Black River group: Okulitch,  
2946.

Graptolites near Levis: Ruedemann,  
3405.

Whitehead formation, Percé, brachio-  
pods and trilobites: Cooper, 867.

South Dakota, fossils, upper Deadwood  
formation: Furnish, 1369.

Tennessee, cephalopods: Ulrich, 4210.

Oligorhynchia, Chazy: Cooper, 860.

Paleozoic fossils, Central Basin:  
Bassler, 227.

Tennessee and Quebec, graptolites:  
Ruedemann, 3415.

Tetradium, revision: Okulitch, 2944.

Trilobites, Lichadian, revision: Phleger,  
3080.

Utah, graptolites, Logan Canyon and  
Mount Pisgah: Clark, 764.

Vermont, cephalopods: Ulrich, 4210.

Vertebrates, early, environment: Ro-  
mer, 3346.

Wisconsin, monactellid, sponges: How-  
ell, 1856.

Starfish: Jones, 2006.

Wyoming, Big Horn and related cep-  
halopods: Foerste, 1295.

## Pre-Cambrian.

Ancient life: Keyes, 2108, 2113.

Taconic Olenellus fauna, importance:  
Keyes, 2128.

## Quaternary.

Alaska, Pleistocene flora, Fairbanks:  
Chaney, 731.

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- Arctidae, classification: Reinhart, 3243.  
 Arizona, egg filled with colemanite: Ward, 4334.  
 Atlantic Coastal Plain, southern Pleistocene fauna: Richards, 3284.  
 California, *Anabernicula gracilentia*, Pleistocene; McKittrick: Ross, 3373.  
 Aves, Manix Lake beds, Mojave Desert: Compton, 824; Pleistocene, McKittrick: Miller, 2722; Rancho La Brea: Compton, 825; Howard, 1824.  
 Channel Island elephants: Stock, 3923, 3930.  
 Lateral change of fauna near Ventura: Bailey, 131.  
*Moris reykana*, Pleistocene, Playa del Rey: Howard, 1825.  
*Mycteria wetmorei*, Rancho La Brea, Pleistocene: Howard, 1823.  
*Parapavo californicus*, Pleistocene, La Habra: Howard, 1826.  
*Peromyscus nesodytes*, Pleistocene, Santa Rosa Island: Wilson, 4555.  
 Pinto Basin site, Pleistocene: Campbell, 635.  
 San Pedro Hills, fossils from Pleistocene terraces: Woodring, 4601.  
*Toxostoma redivivum*, Pleistocene, Rancho La Brea: Engels, 1184.  
 Canada, James Bay, Recent and Pleistocene marine shells: Richards, 3281.  
 Post-Pleistocene fossils, eastern Arctic regions: Nichols, 2871.  
*Clinocardium*, new pelecypod genus: Keen, 2037.  
 Colorado, *Helisoma ammon*, Pleistocene: Henderson, 1705.  
 Cuba, *Mecoliotia bermudezi*, Pleistocene: Clench, 778.  
 Fauna, Pacific coast, evolution: Howell, 1848.  
 Georgia, mammoths and mastodonts, Savannah: Mitchell, 2753.  
 Glacial and postglacial vegetation: Sears, 3626.  
 Hair, fossil ground sloth, and ovate bodies: Hausman, 1650.  
 Idaho, *Erethizon bethygnathum*, Grand View: Wilson, 4553.  
 Sloths, Pliocene and Pleistocene: Gazin, 1393.  
 Illinois, mastodon, avian, and other remains, Aurora: Smith, 3746.  
 Molluscan fauna, Pleistocene, loess: Baker, 157.  
 Trumpeter swan, Pleistocene, Aurora: Wetmore, 4432.  
 Indiana, mammals, Pleistocene: Lyon, 2490.  
 Pollen, analysis, lake and bog sediments: Houdek, 1806.

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- Iowa, *Mastodon americanus* tusk, Franklin County: Cable, 619.  
 Mexico, marine Pleistocene mollusks, Oaxaca: Palmer, 2995.  
 Michigan, *Elephas primigenius americanus*, Cass County: Case, 691.  
 Missouri, *Picea canadensis*, Pleistocene, Macon County: Hansen, 1623.  
 Mollusks, Pleistocene and recent: Shimek, 3690.  
 Nebraska, *Casteroides*, Pleistocene: Wood, 4582.  
 Nevada, Gypsum Cave, Las Vegas, Pleistocene: Harrington, 1641.  
*Spizaetus willetti*, Pleistocene, Smith Creek cave: Howard, 1822.  
 New Jersey, flora of Pensauken formation: Berry, 299.  
 New Mexico, Burnet Cave, fauna, Guadalupe Mountains: Schultz, 3591.  
 Clovis area: Stock, 3931.  
 Clovis fauna, Pleistocene fluvial deposits: Howard, 1816.  
 Clovis lake clays, Pleistocene: Antevs, 79.  
 Diatoms, Lake beds, Clovis: Lohman, 2439.  
 Man, near Folsom: Figgins, 1256.  
 New York, *Fraxinus nigra*, Pleistocene, Orleans County: West, 4423.  
 Oklahoma, Pleistocene peccary, near Alva: Johnston, 1981.  
*Symbos*, Pleistocene, Chickasha: Stovall, 3955.  
*Ursus horribilis oklahomaensis*, Pleistocene: Stovall, 3951.  
 Oregon, forests: Sanborn, 3482.  
 Pennsylvania, mollusks, Harmonsburg marl: Brooks, 471.  
 Pleistocene life: Walker, 4314.  
 Proboscidea, ancestral tree: Osborn, 2959.  
 Texas, birds, Pleistocene, Pliocene, Hemphill County: Compton, 823.  
 Pleistocene fauna, Williams Cave, Guadalupe Mts.: Ayre, 125.  
 West Indies, reef corals, Cenozoic, evolution: Gerth, 1407.  
 Wisconsin, Apostle Islands Nipissing flora: Wilson, 4544.
- Sturion.**  
 Brachiopoda, *Triplisidae*: Ulrich, 4214.  
 Illinois, *Ceratiocaris leesi*: Roy, 3395.  
*Ceratiocaris markhami*: Roy, 3393.  
*Conularia manni*: Roy, 3394.  
 Indiana, Ostracoda, Waldron shale, Flat Rock Creek: Coryell, 880.  
 Ohio, crinoids: Foerste, 1303.  
 Oklahoma, graptolites: Decker, 997.  
 Phyllocarid crustaceans, Carter County: Ruedemann, 3409.  
 Ontario, Hudson Bay region, cephalopods: Foerste, 1303.

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*Silurian*—Continued.

Phacopid trilobites, revision: Delo, 1019.

Quebec, Gaspé Peninsula, cephalopods: Foerste, 1300.

Stromatoporoida, systematic position: Parks, 3014.

Trilobites, Lichadian, revision: Phleger, 3080.

Vertebrates, early, environment: Romer, 3346.

*Tertiary*.

Alabama, Bairdia subdeltoida, Oligocene, Old Fort Stephens: Howe, 1834.

Discocyclus, Eocene, Salt Mountain: Vaughan, 4276.

Foraminifera, Gulf Coast: Hadley, 1594.

Invertebrates, Eocene: Aldrich, 19.

Nonionella cockfieldensis, Claiborne, Eocene: Garrett, 1387.

Venericardia planticosta, Eocene: Chavan, 74.

Zeugmatolepas americana, Eocene: Withers, 4568.

Alaska floras: Hollick, 1780.

Arcidae, classification: Reinhart, 3243.

Arizona, Dipoides williamsi, Pliocene: Stirton, 3910.

Badlands, color records: Germann, 1405.

Beavers: Stirton, 3907.

British Columbia, Oligocene florule, Vancouver Island: LaMotte, 2305.

Trogosus minor, Eocene: Russell, 3429.

Bryozoa: Bassler, 231.

California, Arctothere, Pliocene: Stock, 3935.

Artiodactyla, Oligocene, Las Posas Hills: Stock, 3921.

Astrodapsis, Monterey County, Miocene: Richards, 3276.

Aturoidea, Eocene: Miller, 2702.

Aves, Miocene: Miller, 2721.

Cernictis hesperus, Pliocene, San Pablo Bay: Hall, 1606.

Coyulus, Pleistocene, Montecito, Santa Barbara County: Mason, 2596.

Eobapomys, Sespe Eocene: Stock, 3914.

Eumysops simplex, Sespe Eocene: Wilson, 4550.

Foraminifera, Eocene, Ventura County: Cushman, 946.

Fresh-water mollusks, Pliocene, Kettleman Hills: Pilsbry, 3086.

Hallotis elsmereensis, Pliocene, Elsmere Canyon: Vokes, 4292.

Helicina vokesi, Eocene, Fresno County: Hanna, 1618.

Heteromyid rodents, Pliocene and Miocene: Wood, 4581.

Insectivora, Sespe Eocene: Stock, 3916.

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*Tertiary*—Continued.

## California—Continued.

Leptoreodon (Hesperomeryx) Edwardsi, Sespe Eocene: Stock, 3928.

Merychippus zone fauna, Coalinga district: Bode, 355.

Miocene marine mammals, Bakersfield region: Wilson, 4546.

Moris vagabundis, Miocene, Granite Creek: Compton, 828.

Oligocene mammal-bearing beds, Death Valley: Stock, 3924.

Palos Verdes Hills: Woodring, 4603.

Peratherium californicum, Sespe Eocene: Stock, 3926.

Perissodactyla, Sespe Eocene: Stock, 3927.

Protitanops curryi, Oligocene, Titus Canyon formation: Stock, 3934.

Protophippus tehonensis, San Joaquin Valley: Stock, 3919.

Rodents, Oligocene, Las Posas Hills: Wilson, 4548.

Teeth, protohippine horses, Miocene, Coalinga district: Bode, 354.

Teleodus californicus, Sespe Eocene: Stock, 3920.

Velates, Eocene: Vokes, 4291.

Viverravus (Plesiomiacis) progressus, Sespe Eocene: Stock, 3915.

California and Oregon, middle Eocene faunas: Merriam, 2668.

Canada, western, mammals: Russell, 3434.

Carriacou, West Indies: Trechmann, 4162.

Cedarville flora, Nevada and California: LaMotte, 2309.

Cenozoic floras, succession and distribution, northern Pacific basin: Chaney, 728.

Clinocardium, new pelecypod genus: Keen, 2037.

Colorado, Berberis caplani, Miocene, Creede: Cockerell, 793.

Chrydopidae, Florissant and Creede: Carpenter, 682.

Grasses: Elias, 1155.

Ischyromys, Oligocene, molars: Friant, 1340.

Miocene lake, fossils: Caplan, 675.

Nemestrinidae, Miocene, Florissant: Bequaert, 283.

Peratherium huntii, Miocene, Florissant: Gazin, 1392.

Plesiadapis gidleyi, upper Paleocene: Simpson, 3718.

Sequoioxylon pearsallii, Miocene, Florissant: Andrews, 73.

Tiffany fauna, upper Paleocene: Simpson, 3716, 3719.

Titanoides: Patterson, 3022.

Composition, Tertiary faunas: Ellisor, 1173.

Crustacea, Atlantic and Gulf Coastal Plain: Rathbun, 3184.

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## Tertiary—Continued.

- Cuba, *Clypeaster pinarensis*, Oligocene: Lambert, 2294.
- Foraminifera, Matanzas Bay region: Palmer, 2991; Santa Clara Province: Rutten, 3462.
- Manati, Oligocene: Duelo, 1087.
- Mollusks, Pleistocene, Matanzas and Pinar del Rio provinces: Richards, 3280.
- Cytheridea, shell structure: Stephenson, 3882.
- Faunas: Dunbar, 1093.
- Florida, *Crassatellites* (*Hybologus*?) *leonensis*, Miocene: Mansfield, 2575.
- Gastropods and scaphopods, Miocene, Alaquia Creek Valley: Mansfield, 2572.
- Mollusca, Alum Bluff Miocene: Gardner, 1383.
- Okeechobee district, Pliocene shells: Smith, 3761.
- Ostracoda, Miocene: Howe, 1839.
- Ovoviviparous reproduction, Miocene *Turritellidae*: Sutton, 3984.
- Foraminifera, upper Eocene, southeastern United States: Cushman, 941.
- Geomys rodents, western U. S.: Wood, 4580.
- Georges Bank, Foraminifera: Cushman, 944.
- Glyptostrobus* in America: Brown, 493.
- Green River and Florissant floras, relation: Cockerell, 794.
- Heteromyid rodents, western North America: Wood, 4573.
- Idaho, *Ceratomeryx prenticei*, Pliocene, Hagerman: Gazin, 1394.
- Erethizon bethygnathum*, Grand view: Wilson, 4553.
- Miocene, leaves, fruits, and seeds: Brown, 489.
- Plants, Sucker Creek, Miocene: Brooks, 470.
- Pliocene horses: Gazin, 1397.
- Sloths, Pliocene and Pleistocene: Gazin, 1393.
- Snake River Valley: Rice, 3264.
- Southwestern, flora: Dorf, 1070.
- Jamaica, Eocene corals: Wells, 4390.
- Kansas, grasses: Elias, 1155.
- Gnathabelodon thorpei*, Pliocene, Tre-go County: Barbour, 176.
- Kansasimys dubius*, Pliocene, Edson: Wood, 4579.
- Louisiana, Claiborne tentative foraminiferal zonation: Israelsky, 1912.
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