

OCCASIONAL PAPERS

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California Academy of Sciences

No. 82, 130 pages.

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Catalog of Specimens in the Type Collection of
the Department of Geology,
California Academy of Sciences

CEPHALOPODA

By

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Leo G. Hertlein

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INTRODUCTION

Specimens of fossil and Recent animals and plants have been objects of interest since ancient times. Later and during the early age of exploration, such specimens especially of colorful or unusually shaped shells or corals, were assembled in collections. Some of these were described in books, often beautifully illustrated.

Acceptance of the Linnaean system of Zoological nomenclature in 1758 led to the necessary concern with the individual specimens described or illustrated. This led to the concept of a type specimen (a standard of comparison perhaps analogous to the standard meter in Paris) to which any subsequent application of a particular name must conform.

Although thousands of species were described after 1758, it was not until the last half of the nineteenth and early twentieth centuries that, with few exceptions, some museums, universities and other institutions began to segregate or indicate by special marks or numbers, the designation of type specimens.

The California Academy of Sciences, founded in 1853, was the earliest such institution west of the Mississippi River, and there collections from various sources had accumulated prior to 1906. These collections contained a number

of type specimens described by pioneer scientists on the west coast, among which were J. B. Trask, W. M. Gabb, and J. C. Cooper. Unfortunately, all the geological and paleontological collections, except for a few fossils, were destroyed by the fire resulting from the earthquake on 18 April 1906.

After the Academy's building became cool enough to enter, Dr. Frank M. Anderson, then Curator of Invertebrate Paleontology, climbed the rickety iron stairs, went to the spot where cabinets containing specimens described by him had been stored, and carefully gathered up the fossils remaining among the ashes and debris (see Academy Newsletter 293). These were compared by Anderson with the original illustrations of species, some of Cretaceous others of Tertiary age, and holotypes and paratypes were segregated. These specimens were assigned numbers 1 to 99 and thus began the present type collection in the Department. Following these were added type specimens described by Anderson and Martin, by Weaver, by Dickerson, and by many others.

With the advent of G Dallas Hanna as Curator of Invertebrate Paleontology in 1919, special emphasis was placed upon the preservation and maintenance of adequate records of type specimens, a practice which received strong support from the Director, Dr. Barton Warren Evermann. Many individuals have aided in keeping the records of types up to date. Among these, one person, Mrs. Myrtle Kuhlmeier, whose careful work and attention to detail contributed especially to the accuracy of the records.

Each specimen in the type series bears a distinctive color, red for holotype, orange for paratype, and blue for hypotype, and in a very few cases green for rare metatypes or topotypes. Each type is accompanied by a label containing the type number, the original reference, and locality. A card containing the type number, original reference, and type locality, is filed alphabetically. Currently, the type collection contains over 13,000 specimens.

NOMENCLATURE OF TYPES

"Like all language, zoological nomenclature reflects the history of those who have produced it, and is the result of varying and conflicting practices." (Bradley, 1961, p. iv, *in* International Code of Zoological Nomenclature, Intern. Trust Zool. Nomen., London). Such varying and conflicting practices are well documented in the type collection of the Department of Geology. Many of the type categories previously employed are now considered obsolete or synonymous, and their interpretation in terms of present practices is often difficult.

The 1961 Code of Zoological Nomenclature has standardized nomenclature of specimens used in conjunction with the original description of a taxon (*primary types*). However, museums often recognize another class of "types" based on specimens, described and/or figured by subsequent authors, which are considered to add in some manner to a better understanding of the taxon (*secondary*

types). In addition to actual type specimens, museums may maintain replicas of types deposited in other collections (*plastotypes*).

The specimens listed in this catalog include representatives from all three classes described above, and fall into one of the following categories:

Primary Types (after the 1961 Code)

Holotype—the single specimen designated or indicated as “the type specimen” of a nominal species-group taxon at the time of the original publication.

Paratype—every specimen in the type series, other than the holotype.

Cotype—a term formerly used for either syntype or paratype. The International Commission on Zoological Nomenclature does not recommend the usage of this term.

Syntype—every specimen in a type series in which no holotype has been designated.

Lectotype—one of several syntypes, designated after the original publication of a species-group name, as “the type specimen” of the taxon bearing that name.

Paralectotype—any one of the original syntypes remaining after the selection of a lectotype.

Neotype—a single specimen designated as the type specimen of a nominal species-group taxon of which the holotype (or lectotype), and all paratypes, or all syntypes are lost or destroyed.

Virtual Paratype—specimens which are known to have been examined and utilized by the author as part of the type series, but which were not so indicated at the time of original publication.

Secondary Types

Hypotype—a subsequently described or figured specimen that adds significantly to the knowledge of the species-group taxon.

Plesiotype—an obsolete term for hypotype.

Plastotypes

The prefix “plasto” used in conjunction with one of the above mentioned type categories indicated a replica of a type in another collection.

CATALOG FORMAT

References to specimens are listed alphabetically by species-group name. Data for each reference are arranged as follows:

species Author, **Genus (Subgenus)** Type and type number

Reference: author (if not original reference), year, publication, pagination, illustrations, month and day (in parentheses).

Locality description: age, formation, abstract of locality, county, state or country.

Editorial comments are enclosed in brackets. With rare exception, no attempt has been made to update or revise genus-group assignments, or to indicate synonymy. The species-group catalog is followed by an index to generic and subgeneric names used in the catalog.

ACKNOWLEDGMENTS

We gratefully acknowledge the work of Mrs. Myrtle Kuhlmeier whose care and patience in the cataloging of much of the department's type collection has made this catalog possible; we also express our thanks to Misses Merna Figoten and Carolyn Pallazola for their outstanding efforts in the verification of the records and the proofreading and typing of the manuscript.

CEPHALOPODA

A

- aboriginalis** Anderson, **Acroteuthis** Holotype 8943
1938, Geol. Soc. Amer., Spec. Paper 16, p. 225, pl. 80, fig. 2 (30 November).
Lower Cretaceous, middle Horsetown Group, 6 miles south of Ono, Shasta County, California.
- acutidorsatum** Kovacs, **Fucinieras** cf. **F.** Hypotype 12791
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 41, pl. 7, fig. 20.
Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County, Oregon.
- acutus** Hyatt and Smith, **Aspenites** Plasto-Holotype 11931
Plasto-Paratypes 11932-11934
1905, U.S. Geol. Surv., Prof. Paper 40, p. 96, pl. 2, figs. 9-13; pl. 3, figs. 1-3.
Lower Triassic, *Meckoceras* beds: Wood Canyon, 9 miles east of Soda Springs, Aspen Ridge, Idaho; Union Wash, Inyo County, California.
- acutus** Hyatt and Smith, **Aspenites** Plasto-Plesiotypes 11935-11936
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 86, pl. 30, figs. 1-5.
Lower Triassic, *Meckoceras* zone, Bear Lake, 1 mile northeast of Hot Springs, Idaho.
- acutus** Hauer, **Gymmites (Anagymmites)** Plasto-Plesiotype 11470
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 54, pl. 97, figs. 13-14.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, West Humboldt Range, Nevada.
- adalberti** Mojsisovics, **Juvavites (Anatomites)** Plasto-Plesiotypes
11012-11014
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 56, pl. 18, figs. 26-32.
Upper Triassic, *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

- aegis** Anderson, **Acanthoplites** [*Acanthohoplites*] Holotype 8797
1938, Geol. Soc. Amer., Spec. Paper 16, p. 171, pl. 36, fig. 1, (30 November).
Lower Cretaceous, upper Horsetown Group, Alderson Creek, 2 miles south
of Ono, Shasta County, California.
- aegrum** (Fucini), **Reynesoceras** cf. **R.** Hypotype 12782
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 28, pl. 1, figs. 20–21.
Lower Jurassic, Nicely shale, west side of ridge about 500 feet southeast of
Jim Robertson's ranchhouse, Delintment Lake quadrangle, Grant County,
Oregon.
- aequicostatus** Gabb, **Hamiticeras** Hypotype 5950
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print
of pt. 2, p. 168, figs. 61–18 (11 September).
Lower Cretaceous, Horsetown beds, Alderson Gulch, north fork of Cotton-
wood Creek, 2 miles south of Ono, Shasta County, California.
- aequicostatus** Gabb, **Helicancylus** Plasto-Syntypes 5876–5879
1868, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 141, pl. 25, figs. 20, 20A, 20G
(December).
Cretaceous, Shasta Group, Cottonwood Creek, Shasta County, California.
- aguila** Anderson, **Neocraspedites** Holotype (fragment) 8769
Holotype (rock mold and cast) 8769A–8769B
Paratype 8770
1938, Geol. Soc. Amer., Spec. Paper 16, p. 156, pl. 25, figs. 1–3, pl. 68, fig. 4 (30 No-
vember).
Lower Cretaceous, Ono zone, lowest Horsetown Group, Eagle Creek near
Ono, Shasta County, California.
- ajax** Anderson, **Ancylloceras** Holotype 8925
Hypotype [Paratype] 8926
1938, Geol. Soc. Amer., Spec. Paper 16, p. 210, pl. 65, figs. 1–3 (30 November).
Lower Cretaceous, Mitchell zone, south of Roaring River, Shasta County,
California.
- alamedense** Smith, **Lytoceras** (**Gaudryceras**) Hypotype 10689
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 182, pl. 41, figs. 5–5A (6 June).
Upper Cretaceous, lower Senonian, near head of Pleasants Valley, Yolo
County, California.
- alamoense** Anderson, **Beudanticeras** Holotype 10757
1958, Geol. Soc. Amer., Mem. 71, p. 213, pl. 5, figs. 2–2A (6 June).
Upper Cretaceous, north fork of Cottonwood Creek, Shasta County, Cali-
fornia.
- alaskensis** Kummel, **Pleuromutilus** (**P.**) Plasto-Holotype 11987
1953, U.S. Geol. Surv., Prof. Paper 250, p. 34, pl. 4, figs. 5–6.

Upper Triassic, Karnian, Chitistone limestone, edge of Kennicott Glacier, 5 miles north of Kennicott, Chitna [Chitina] Valley, Alaska.

aldersona Anderson, **Hamulina** Holotype 8917–8917A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 219, pl. 58, figs. 2–2A (30 November).

Lower Cretaceous, Horsetown Group, Alderson Creek, about 2 miles south of Ono, Shasta County, California.

aldersona Anderson, **Puzosia** Holotype 8832
1938, Geol. Soc. Amer., Spec. Paper 16, p. 186, pl. 39, fig. 2 (30 November).

Lower Cretaceous, near Perrin zone, upper part of Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

aldersoni Anderson, **Phylloceras** Holotype 8721
Paratype 8722

Hypotypes [Paratypes] 8723–8724

1938, Geol. Soc. Amer., Spec. Paper 16, p. 143, pl. 11, figs. 3–6 (30 November).

Lower Cretaceous, Argonaut zone, middle of Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

alexandrae Smith, **Gymnites** Plasto-Holotype 11463
Plasto-Paratypes 11464–11466

1914, U.S. Geol. Surv., Prof. Paper 83, p. 52, pl. 23 (fig. 1); pl. 24, figs. 1–2, 4–9.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

algovianum (Oppel), **Arieticer** cf. **A.** Hypotypes 12806A–12806B
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593–C, p. 34, pl. 4, figs. 1–2, 4–7.

Lower Jurassic, Nicely shale, about 100 feet south of the road from Suplee to Izee and about 300 feet east of Freeman Creek, Delintment Lake quadrangle, Grant County, Oregon.

alternans Smith, **Acrochordicer** Plasto-Holotype 11438
Plasto-Paratype 11439

1914, U.S. Geol. Surv., Prof. Paper 83, p. 38, pl. 32, figs. 15–17; pl. 33, figs. 4–5.

Middle Triassic, north fork of Buena Vista Canyon, West Humboldt Range, Nevada.

alternans Buch, **Cardioceras** Plasto-Plesiotype 5079
Waring, 1914, Calif. State Mining Bur., Map Folio, Bull. 69, inside of front cover (text), pl. 1, fig. 2 (October).

Middle upper Jurassic, Mariposa slates, Texas Charlie's Ranch, 6 miles east of Copperopolis, Calaveras County, California.

altilis Smith, **Ceratites** Plasto-Holotype 11526
Plasto-Paratypes 11527–11529

1914, U.S. Geol. Surv., Prof. Paper 83, p. 83, pl. 45, figs. 14–20; pl. 67, figs. 19–21.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- americanum** Mojsisovics, **Trachyceras** (**Protrachyceras**)
 Plasto-Plesiotypes 11743-11744
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 133, pl. 82, figs. 10-13.
 Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- americanus** Smith, **Clionites** (**Traskites**)
 Plasto-Holotype 11116
 Plasto-Paratypes 11117-11118
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 85, pl. 64, figs. 1-8.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.
- americanus** Smith, **Dictyoconites**
 Plasto-Holotype 11171
 Plasto-Paratypes 11172-11174
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 101, pl. 89, figs. 10-14.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- americanus** Hyatt and Smith, **Paratropites** (**Gymnotropites**)
 Plasto-Holotype 10975
 Plasto-Paratype 10976
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 56, pl. 32, figs. 1-5.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- Ammonite [*Parahoplitoides* cf. *P. cerrosensis* Anderson]
 Hypotype 4285
 Anonymous, 1952, Standard Oil Company of Calif., Bull., vol. 35, no. 5, back of front cover (text), front cover (illustrated) (January).
 Lower Cretaceous, Alderson Gulch, north fork of Cottonwood Creek, 2 miles south of Ono, Shasta County, California.
- andersoni** Hyatt and Smith, **Sandlingites**
 Plasto-Holotype 11115
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 200, pl. 47, figs. 10-12.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- angulatum** Anderson, **Gabbioceras**
 Hypotype 5972
 Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, figs. 61-67 (11 September).
 Lower Cretaceous, Horsetown Formation, north of Roaring River, 5 miles south of Ono, Shasta County, California.
- angulatum** Anderson, **Lytoceras** (**Gabbioceras**)
 Plesiotypes 8754-8756
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 150, pl. 15, figs. 3-4; pl. 35, fig. 2 (30 November).

Lower Cretaceous, Argonaut zone, Horsetown Group, 5 miles south of Ono, Shasta County, California.

angulatus Hyatt and Smith, **Cordillerites** Plasto-"Cotypes" [Syntypes]
12062-12066

1905, U.S. Geol. Surv., Prof. Paper 40, p. 110, pl. 2, figs. 1-6; pl. 68, figs. 1-7.

Lower Triassic, *Meekoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.

angulatus Stanton, **Hoplites** Plasto-Holotype 10431

1895, U.S. Geol. Surv., Bull. 133, p. 80, pl. 18, figs. 3-4.

Lower Cretaceous, Knoxville, about 5 miles north of Paskenta, Tehama County, California.

angustata Conrad, **Aturia** Plesiotype 880

Anderson and Hanna, 1925, Occ. Papers Calif. Acad. Sci., vol. 11, pp. 49-50, text figs. 3-4, pl. 6, fig. 7 (18 March).

Miocene, north bank of Columbia River, $\frac{3}{4}$ mile northeast of Knappton, Washington.

angustata Conrad, **Aturia** Plasto-Plesiotype 5084

Waring, 1914, Calif. State Mining Bur., Map Folio, Bull. 69, inside back cover (text), pl. 1, fig. 24 (October).

Middle Oligocene, San Lorenzo horizon of Astoria Series, $\frac{1}{2}$ mile above mouth of Green Creek, Holcomb, Washington.

angustata (Conrad), **Aturia** Plesiotypes 5218-5221

Schenk, 1931, Univ. Calif. Publ., Bull. Dept. Geol. Sci., vol. 19, no. 19, p. 457, pl. 69, figs. 1-2; pl. 70, fig. 4; pl. 72, figs. 1-2; text fig. 4, nos. 8, 20-21 (21 January).

Middle Oligocene, Lincoln horizon, Porter, Washington; Upper Oligocene or Miocene, $3\frac{1}{2}$ miles east of Pysht post office, Washington; Miocene, north bank of Columbia River, $\frac{3}{4}$ mile northeast of Knappton, Washington.

antiselli Smith, **Paratropites** Plasto-Holotype 10954

Plasto-Paratypes 10955-10956

1927, U.S. Geol. Surv., Prof. Paper 141, p. 43, pl. 24, figs. 1-8.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

aon Münster, **Trachyceras** (*Trachyceras*) cf. **T.** Plasto-Plesiotype 11390

Johnston, 1941, Jour. Paleont., vol. 15, no. 5, p. 481, pl. 67, figs. 1-3 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

aonoides Mojsisovics, **Trachyceras** (*Trachyceras*) cf. **T.**

Plasto-Plesiotypes 11391-11392

Johnston, 1941, Jour. Paleont., vol. 15, no. 5, p. 482, pl. 67, figs. 7-9 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

aplanatum White, **Meekoceras** Plasto-"Cotypes" [Syntypes] 12003-12004
1879, U.S. Geol. Surv. Terr. Bull., vol. 5, no. 1, art. 5, p. 112.

Jura-Trias strata, southeastern Idaho.

aplanatus (White), **Flemingites** Plasto-Plesiotypes 11816-11822
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 51, pl. 11, figs. 4-7, 13-14; pl. 22, figs. 1-7; pl. 39, figs. 1-2; pl. 64, figs. 17-19.

Lower Triassic, *Meekoceras* zone, Wood Canyon, 9 miles east of Soda Springs, Aspen Mountains, Idaho; Slug Creek, 14 miles east of Hot Springs, Idaho; Union Wash, Inyo Range, Inyo County, California.

apostolicus Smith, **Celites** Plasto-Holotype 12080
Plasto-Paratype 12081

1932, U.S. Geol. Surv., Prof. Paper 167, p. 104, pl. 48, figs. 1-4.

Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.

applanatus Smith, **Ceratites** Plasto-Holotype 11518
1914, U.S. Geol. Surv., Prof. Paper 83, p. 80, pl. 53, figs. 9-11.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

apressus Anderson, **Scaphites condoni** var. Paratype 28
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 112, pl. 2, fig. 66 (24 December).

Cretaceous, lower Chico beds, 49-Mine, near Phoenix, Jackson County, Oregon.

arbucklensis Anderson, **Eupachydiscus** Holotype 10778
Paratype 10779

1958, Geol. Soc. Amer., Mem. 71, p. 223, pl. 44, figs. 1-1A, pl. 45, fig. 1 (6 June).

Upper Cretaceous, Coniacian, lower Senonian, Sand Creek, 10 miles southwest of Arbuckle, Colusa County, California.

arenaica Anderson, **Puzosia (Parapuzosia)** Holotype 10801
1958, Geol. Soc. Amer., Mem. 71, p. 238, pl. 46, figs. 4-4A (6 June).

Upper Cretaceous, Coniacian, lower Senonian, Sand Creek, Colusa County, California.

argentarius Smith, **Ceratites (Philippites)** Plasto-Holotype 11633
Plasto-Paratypes 11634-11636

1914, U.S. Geol. Surv., Prof. Paper 83, p. 107, pl. 63, figs. 1-11.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

argonautarum (Anderson), **Lytoceras (Argonauticeras)** Hypotype 8741
1938, Geol. Soc. Amer., Spec. Paper 16, p. 149, pl. 17, fig. 3 (30 November).

Lower Cretaceous, Argonaut zone, Alderson Creek, 2 miles south of Ono, Shasta County, California.

argonautarum Anderson, **Oregoniceras** Hypotype [Paratype] 10853
1958, Geol. Soc. Amer., Mem. 71, p. 268, pl. 33, fig. 4B (6 June).
Upper Cretaceous, 49-Mine, Jackson County, Oregon.

argonauticum Anderson, **Beudanticeras** Holotype 10756
1958, Geol. Soc. Amer., Mem. 71, p. 213, pl. 9, figs. 1-2 (6 June).
Upper Cretaceous, Hulen Creek, near north fork of Cottonwood Creek, Shasta County, California.

argus Anderson, **Australiceras** Holotype 8890-8890A
Paratype 8891
1938, Geol. Soc. Amer., Spec. Paper 16, p. 211, pl. 70, figs. 1, 1A-1B, 2 (30 November).
Lower Cretaceous, below Argonaut zone, Bee Creek, 4 miles south of Ono, Shasta County, California.

argutus (Buckman), **Paltarpites** cf. **P.** Hypotype 12787-12787B
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 37, pl. 5, figs. 21-22, 25.
Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County, Oregon.

armatus Anderson, **Hamites** [see *Anisoceras draconis*] Holotype 47
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 89, pl. 5, figs. 130-132 (24 December).
Cretaceous, Lower Chico beds, near Henley, Siskiyou County, California.

armatus Smith, **Tropites** Plasto-Holotype 10874
Plasto-Paratypes 10875-10880
1927, U.S. Geol. Surv., Prof. Paper 141, p. 31, pl. 33, figs. 1-7, pl. 69, figs. 1-9.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River and at south end of Brock Mountain, Shasta County, California.

arnoldi Hyatt and Smith, **Paralecanites** Plasto-Holotype 11781
1905, U.S. Geol. Surv., Prof. Paper 40, p. 136, pl. 64, figs. 1-4.
Lower Triassic, *Meekoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.

arnoldi Smith, **Paratropites** Plasto-Holotype 10957
Plasto-Paratype 10958
1927, U.S. Geol. Surv., Prof. Paper 141, p. 44, pl. 25, figs. 3-9.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.

arroyoensis Anderson, **Hibolites** Holotype 8978
1945, Bull. Geol. Soc. Amer., vol. 56, no. 10, p. 992, pl. 1, figs. 4a, 4c (October).

Upper Jurassic, upper part of Newville Group, east side of Davis Creek, northern Napa County, California.

- arthaberi** Smith, **Meekoceras** Plasto-Holotype 11833
1932, U.S. Geol. Surv., Prof. Paper 167, p. 56, pl. 32, figs. 26-28.
Lower Triassic, *Meekoceras* zone, 1 mile east of Hot Springs, southeastern Idaho.
- arthaberi** Smith, **Tropites** Plasto-Holotype 10921
Plasto-Paratype 10922
1927, U.S. Geol. Surv., Prof. Paper 141, p. 37, pl. 72, figs. 13-17.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- ashlandicum** Anderson, **Desmoceras** Holotype 33
Paratype 33A
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 100, pl. 4, figs. 107-108 (24 December).
Cretaceous, Clawson Quarries, 4 miles southeast of Ashland, Oregon.
- ashleyi** (Hyatt and Smith), **Fremontites** Plasto-Plesiotype 11080-11081
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 74, pl. 63, figs. 6-10.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- ashleyi** Hyatt and Smith, **Hauerites** Plasto-Holotype 11079
1905, U.S. Geol. Surv., Prof. Paper 40, p. 104, pl. 37, figs. 10-12.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- aspenensis** Smith, **Flemingites** Plasto-Holotype 11823
1932, U.S. Geol. Surv., Prof. Paper 167, p. 52, pl. 23, figs. 6-8.
Lower Triassic, *Meekoceras* zone, 5 miles southeast of Gray's Lake, southeastern Idaho.
- attenuatus** Smith, **Dalmatites** Plasto-Holotype 11909
1932, U.S. Geol. Surv., Prof. Paper 167, p. 81, pl. 57, figs. 11-13.
Lower Triassic, *Tirolites* zone, Paris Canyon, 1½ miles west of Paris, Idaho.
- attrox** Anderson, **Ancyloceras** Holotype 8921
1938, Geol. Soc. Amer., Spec. Paper 16, p. 209, pl. 69, figs. 1-3A (30 November).
Lower Cretaceous, Mitchell zone, lower Horsetown Group, Mitchell Creek, Shasta County, California.
- aulaeum** Anderson, **Lytoceras** Holotype 10459
1938, Geol. Soc. Amer., Spec. Paper 16, p. 146, pl. 14, fig. 1 (30 November).
Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, Mitchell Creek, Shasta County, California.

- aulaeum** Anderson, **Lytoceras** Hypotypes [Paratypes] 8748–8749
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 146, pl. 14, figs. 2–4 (30 November).
 Lower Cretaceous, lower Horsetown Group, north fork of Cottonwood Creek,
 Shasta County, California.
- aurarium** Anderson, **Douvilleiceras** Holotype 8789
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 175, pl. 53, fig. 1 (30 November).
 Lower Cretaceous, Bradley zone, upper Horsetown Group, Hulen Creek,
 Shasta County, California.
- aurarium** Anderson, **Lytoceras** (**Kossmatella?**) Holotype 8750
 Paratype 8751
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 151, pl. 20, figs. 1–2 (30 November).
 Lower Cretaceous, Neptune zone, upper Horsetown Group, Hulen Creek,
 Shasta County, California.
- aureum** Anderson, **Lytoceras** (**Gaudryceras**) Holotype 10695
 1958, Geol. Soc. Amer., Mem. 71, p. 184, pl. 71, figs. 1–1A (6 June).
 Upper Cretaceous, lower Maestrichtian, Moreno Formation, 1 mile south of
 Ortigalita Creek, Charleston School quadrangle, California.
- auspicium** Anderson, **Calycoceras** (**Metacalycoceras**) Holotype 10809
 Plasto-Holotype 10809A
 Paratype 10810
 1958, Geol. Soc. Amer., Mem. 71, p. 243, pl. 20, figs. 8–9 (6 June).
 Upper Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.
- austini** Hyatt and Smith, **Prosphingites** Plasto-Holotype 12113
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 72, pl. 7, figs. 1–4.
 Lower Triassic, *Meekoceras* beds, Union Wash, Inyo Range, Inyo County,
 California.
- averilli** Anderson, **Nautilus** Holotype 8757
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 139, pl. 10, fig. 2 (30 November).
 Upper Cretaceous, Barr zone, middle Horsetown Group, Mitchell Creek,
 Shasta County, California.
- averilli** Anderson, **Pachydiscus** Holotype 10777
 1958, Geol. Soc. Amer., Mem. 71, p. 222, pl. 7, figs. 4–4A (6 June).
 Upper Cretaceous, upper Turonian, north bank of Sacramento River, 1 mile
 north of Redding, Shasta County, California.

B

- bacchus** (Mojsisovics), **Jovites** (**Bacchites**) Plasto-Plesiotypes 10962–10963
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 53, pl. 14, figs. 1–5.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, Brock Mountain, divide between Squaw Creek and Pit River,
 Shasta County, California.

- baculoide** (Mantell), **Sciponoceras** Hypotype 12138
 Matsumoto, 1959, Mem. Faculty Sci., Kyushu Univ., ser. D, Geol., vol. 8, no. 4, p. 104, pl. 31, fig. 1 (25 March).
 Upper Cretaceous, Hayes Gulch, 2 miles northwest of Gas Point, Ono quadrangle, Sacramento Valley, California.
- bakeri** (Anderson), **Prionotropis** Hypotypes 10832–10834
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 261, pl. 38, figs. 2, 4, 5–5A (6 June).
 Upper Cretaceous, 2 miles southwest of Phoenix, Jackson County, Oregon.
- bakeri** Anderson, **Schloenbachia** Holotype 39
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 121, pl. 2, fig. 26 (December).
 Cretaceous, lower Chico beds, 49-Mine, near Phoenix, Jackson County, Oregon.
- bannockensis** Smith, **Flemingites** Plasto-Holotype 11824
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 52, pl. 23, figs. 18–20.
 Lower Triassic, *Meekoceras* zone, Slug Creek, Aspen Mountains, 14 miles east of Soda Springs, Idaho.
- barberi** Smith, **Trachyceras** (**Anolcites**) Plasto-Holotype 11731
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 130, pl. 86, figs. 12–14.
 Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- barrana** Anderson, **Acroteuthis** Holotype 8947
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 228, pl. 82, figs. 2–2A (30 November).
 Lower Cretaceous, Barr zone, lower Horsetown Group, near Mitchell Creek, Shasta County, California.
- barryae** Anderson, **Desmoceras** (**Latidorsella**) Holotype 10758
 1958, Geol. Soc. Amer., Mem. 71, p. 214, pl. 12, figs. 2–2A (6 June).
 Upper Cretaceous, lower Cenomanian, 1 mile above mouth of Hulen Creek, Shasta County, California.
- barryana** Anderson, **Acanthoplites** [*Acanthohoplites*] Holotype 8806
 1938, Geol. Soc. Amer. Spec. Paper 16, p. 174, pl. 48, figs. 1–1A (30 November).
 Lower Cretaceous, upper Horsetown Group, Hulen Creek, Shasta County, California.
- barwicki** Johnston, **Clionites** Plasto-“Cotypes” [Syntypes] 11326–11330
 1941, Jour. Paleont., vol. 15, no. 5, p. 450, pl. 58, figs. 9–18; text fig. 1–A (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- batesi** (Trask), **Lytoceras** Plasto-Plesiotype 8742
 Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 147, pl. 16, fig. 1 (30 November).
 Lower Cretaceous, Argonaut zone, Cottonwood District, Shasta County, California.

Upper Cretaceous, upper middle Turonian, Dry Creek, 1.8 miles west of Rosewood, Tehama County, California.

bidwelli Anderson, **Parapachydiscus** Holotype 10790
Paratype 10791

1958, Geol. Soc. Amer., Mem. 71, p. 228, pl. 51, figs. 5-5A, pl. 54, fig. 1 (6 June).

Upper Cretaceous, Chico Formation, Chico Creek, 3.1 miles south of bridge at Mickey's ranch, Butte County, California.

billingsianus Gabb, **Monophyllites** Plasto-Plesiotypes 11459-11461
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 48, pl. 22, figs. 1-5.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

binodatus Whiteaves, **Pachydiscus** Plasto-Holotype 10428
1903, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 5, p. 347, text fig. 23, pl. 49, figs. 1-1A (July).

Upper Cretaceous, Trent River Formation, Puntledge River, Vancouver Island, British Columbia, Canada.

birkhauseri Anderson, **Lytoceras (Gaudryceras)** Holotype 10692
1958, Geol. Soc. Amer., Mem. 71, p. 185, pl. 68, figs. 4-4A (6 June).

Upper Cretaceous, 11 miles northwest of Coalinga, Fresno County, California.

bispinosum Johnston, **Trachyceras (Trachyceras)** Plasto-Holotype 11400
1941, Jour. Paleont., vol. 15, no. 5, p. 487, pl. 69, figs. 1-3 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

bittneri Hyatt and Smith, **Xenodiscus** Plasto-Holotype 11472
Plasto-Paratype 11473

1905, U.S. Geol. Surv., Prof. Paper 40, p. 123, pl. 20, figs. 5-11.

Middle Triassic, Union Wash, Inyo Range, 15 miles southeast of Independence, California.

bittneri Hyatt and Smith, **Xenodiscus** Plasto-Plesiotypes 11474-11475
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 56, pl. 34, figs. 1-4.

Middle Triassic, Union Wash, Inyo Range, 15 miles southeast of Independence, California.

blakei Gabb, **Ceratites (Gymnotoceras)** Plasto-Plesiotypes 11653-11656
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 109, pl. 3, figs. 10-11; pl. 65, figs. 14-19; pl. 66, figs. 1-2.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

blakei Gabb, **Gymnotoceras** Plasto-Plesiotypes 12037-12040
Meek, 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 113, pl. 10, figs. 10-10B; pl. 11, figs. 6-6A.

Upper Triassic, Cottonwood Canyon, West Humboldt Range, Nevada.

- blakei** Gabb?, **Orthoceras** Plasto-“Cotypes” [Hypotypes] 12031–12032
 Meek, 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 104, pl. 10,
 fig. 11 (2 views).
 Upper Triassic, ridge above Cottonwood Canyon, West Humboldt Range,
 Nevada.
- blanfordiana** Stoliczka (?), **Schloenbachia** Plesiotypes 26–26A
 Anderson, 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 124, pl. 1, figs.
 7–9 (24 December).
 Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.
- Bochianites** species Hypotype 5959
 Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print
 of pt. 2, p. 168, figs. 61–22 (11 September).
 Upper Jurassic, Knoxville series, 6½ miles north of Winslow Bridge, western
 Glenn County, California.
- böckhi** Stürzenbaum, **Atractites** Plasto-Plesiotypes 11756–11757
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 138, pl. 94, figs. 20–21.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- bodegae** McLearn, **Fanninoceras** cf. **F.** Hypotype 12798
 Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 44, pl. 8, fig. 20.
 Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County,
 Oregon.
- bochmi** Smith, **Tropites** Plasto-Holotype 10914
 Plasto-Paratype 10915
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 36, pl. 75, figs. 3–8.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, Brock Mountain, Shasta County, California.
- bonae-vistae** Hyatt and Smith, **Dinarites** Plasto-Holotype 11517
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 162, pl. 60, figs. 1–4.
 Middle Triassic, *Daonella* beds, Unionville, Buena Vista Canyon, West Hum-
 boldt Range, Nevada.
- bonnevillense** Smith, **Dagnoceras** Plasto-Holotype 11893
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 65, pl. 29, figs. 9–11.
 Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Mountains, 9 miles
 east of Soda Springs, southeastern Idaho.
- bowersi** Anderson, **Metaplacenticerus**? Plasto-Paratype 10826
 1958, Geol. Soc. Amer. Mem. 71, p. 255, pl. 70, figs. 4–4A (6 June).
 Upper Cretaceous, Dayton Canyon, Calabasas quadrangle, Los Angeles
 County, California.
- bradleyi** Anderson, **Chelonicerus** Holotype 8840
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 177, pl. 52, figs. 1–2 (30 November).

Lower Cretaceous, Bradley zone, upper Horsetown Group, near head of east fork of Hulen Creek, Shasta County, California.

brannani Usher, **Pseudoschloenbachia** Plasto-Holotype 10575
1952, Geol. Surv. Canada, Bull. 21, p. 92, pl. 24, figs. 3-4.

Upper Cretaceous, Haslam Formation, Brannan Creek, Vancouver Island, British Columbia, Canada.

branneri Anderson, **Prionotropis** Holotype 48
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 125, pl. 1, figs. 11-12 (24 December).

Cretaceous, Smith Ranch, 2 miles west of Phoenix, Oregon.

breweri Smith, **Eutomoceras** Plasto-Holotype 11482
Plasto-Paratypes 11483-11484
1914, U.S. Geol. Surv., Prof. Paper 83, p. 61, pl. 28, figs. 1-7.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

brewerii Gabb, **Ammonites** Plasto-Plesiotypes 5866-5869
1868, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 130, pl. 20, fig. 5 (December).
Cretaceous, Shasta Group, Cottonwood Creek, Shasta County, California.

brewerii (Gabb), **Bostrychoceras** Hypotype 10745
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 205, pl. 52, fig. 7 (6 June).

Upper Cretaceous, Campanian, 11 miles north of Oroville, near Pentz, Butte County, California.

brewerii (Gabb), **Bostrychoceras** aff. **B.** Plasto-Holotype 10742
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 206, pl. 52, figs. 5-6 (6 June).

Upper Cretaceous, Campanian, Trabuco Creek, Orange County, California.

bridgesi Smith, **Dagnoceras** Plasto-Holotype 11894
1932, U.S. Geol. Surv., Prof. Paper 167, p. 65, pl. 31, figs. 1-3.

Lower Triassic, *Meckoceras* zone, Slug Creek, Aspen Mountains, 14 miles northeast of Soda Springs, Idaho.

broadi Anderson, **Simbirskites** Holotype 8784-8784B
Paratype 8785-8785A

1938, Geol. Soc. Amer., Spec. Paper 16, p. 155, pl. 22, figs. 2-3, pl. 28, figs. 1-1A (30 November).

Lower Cretaceous, Hamlin-Broad zone, upper part of Paskenta Group, 4 miles southwest of Ono, Shasta County, California.

brockensis Smith, **Juvavites** (**Anatomites**) Plasto-Holotype 11015
Plasto-Paratypes 11016-11017

1927, U.S. Geol. Surv., Prof. Paper 141, p. 56, pl. 16, figs. 15-21.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.

- brockensis** Smith, **Metasibirites** Plasto-Holotype 11047
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 63, pl. 60, figs. 47–50.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- brockensis** Smith, **Tropites** Plasto-Holotype 10889
 Plasto-Paratype 10890
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 32, pl. 74, figs. 1–6.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, 3 miles north of Kelly's Ranch, Shasta County, California.
- brooksi** Smith, **Germanonutilus** Plasto-Holotype 11189
 Plasto-Paratype 11190
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 105, pl. 102, figs. 7–10.
 Upper Triassic, Karnic, south bank of Yukon River opposite mouth of Nation River, Alaska.
- brooksi** Smith, **Germanonutilus** Plasto-“Topotype” [Hypotype] 11973
 Plasto-Plesiotype 11974
 Kummel, 1953, U.S. Geol. Surv., Prof. Paper 250, p. 29, pl. 3, figs. 6–10.
 Upper Triassic, Karnic, south bank of Yukon River opposite mouth of Nation River; on Nation River $\frac{1}{2}$ mile northeast of mouth of Yukon Valley, Alaska.
- bryani** Anderson, **Neocyrochilus** Holotype 10702
 1958, Geol. Soc. Amer., Mem. 71, p. 189, pl. 72, fig. 5 (6 June).
 Upper Cretaceous, Maestrichtian, Moreno Formation, Los Banos Creek, Merced County, California.
- buckhami** Usher, **Pachydiscus** Plasto-Holotype 10573
 1952, Geol. Surv. Canada, Bull. 21, p. 89, pl. 23, figs. 1–2.
 Upper Cretaceous, Trent River Formation, Puntledge River, Vancouver Island, British Columbia, Canada.
- buckmani** (Crickmay), **Lilloettia** Plesiotypes 12540–12541
 Imlay, 1964, U.S. Geol. Surv., Prof. Paper 483-D, p. 14, pl. 2, figs. 14–15, 17–18.
 Upper Jurassic, Trowbridge Formation, north side of Flat Creek above mouth of Spoon Creek, Grant County, Oregon.
- buenaventura** Anderson, **Puzosia** Holotype 8833
 Paratype 8834
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 185, pl. 40, fig. 3; pl. 41, figs. 1–2 (30 November).
 Lower Cretaceous, Buenaventura zone, upper Horsetown Group, west branch of Hulen Creek, Shasta County, California.
- burckhardti** Smith, **Atracites** Plasto-Holotype 11755
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 138, pl. 96, figs. 6–7.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

burckhardti Smith, **Ceratites (Paraceratites)** Plasto-Holotype 11561
1914, U.S. Geol. Surv., Prof. Paper 83, p. 90, pl. 52, figs. 19-21.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

burgeri (Anderson), **Tollia (Tollia) mutabilis** (Stanton, 1895) var.
Hypotype 12376

Jeletzky, 1965, Geol. Surv. Canada, Bull. 103, pl. 15, figs. 3A-C.

Lower Cretaceous, late lower Valanginian, Paskenta Formation, 6 miles northeast of Paskenta, Tehama County, California.

buttense Anderson, **Bostrychoceras** Holotype 10746
1958, Geol. Soc. Amer., Mem. 71, p. 207, pl. 51, figs. 7-7A (6 June).

Upper Cretaceous, middle Campanian, Butte Formation, Chico Creek, Butte County, California.

buttense Anderson, **Butticeras** Plasto-Holotype 10860
Plasto-Paratype 10861

1958, Geol. Soc. Amer., Mem. 71, p. 272, pl. 53, figs. 3-4 (6 June).

Upper Cretaceous, Chico Formation, Butte Creek, 3.8 miles upstream from covered bridge on Paradise Road, Butte County, California.

buttensis Anderson, **Baculites** Holotype 10707
1958, Geol. Soc. Amer., Mem. 71, p. 191, pl. 49, figs. 6-6B (6 June).

Upper Cretaceous, southeast side of Big Chico Creek, 1.3 miles by road southwest of bridge at Frank Mickey's place, Butte County, California.

C

cachensis Anderson, **Belemnopsis** Holotype 8968
Paratypes 8969-8970

1945, Bull. Geol. Soc. Amer., vol. 56, p. 991, pl. 1, figs. 6a-d (October).

Upper Jurassic, Tithonian, Newville Group, 3 miles north of Knoxville, Napa County, California.

californica Anderson, **Fagesia** Holotype 5496
Paratype 4685

1931, Jour. Paleont., vol. 5, no. 2, p. 123, pl. 15, fig. 1; pl. 16, figs. 1-2; pl. 17, fig. 1; text fig. 1a (June).

Upper Cretaceous, middle Turonian, Hayes Gulch near Gas Point, Shasta County, California: 2 miles west of Phoenix, Jackson County, Oregon.

californica Hyatt and Smith, **Leconteia** Plasto-Holotype 11059
Plasto-Paratype 11060

1905, U.S. Geol. Surv., Prof. Paper 40, p. 36, pl. 29, figs. 3-7.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus

limestone, between Squaw Creek and Pit River, Shasta County, California.

californicum Stanton, **Desmoceras** Plasto-Syntype 10426

1895, U.S. Geol. Surv., Bull. 133, p. 76, pl. 15, fig. 6.

Lower Cretaceous, Knoxville, about 3 miles north of Paskenta, Tehama County, California.

californicum Anderson, **Didymoceras** Holotype 10720

1958, Geol. Soc. Amer., Mem. 71, p. 197, pl. 72, fig. 6 (6 June).

Upper Cretaceous, Maestrichtian, Moreno, Formation, south side of Puerto Creek, Stanislaus County, California.

californicum Anderson, **Phylloceras** Holotype 8730

1938, Geol. Soc. Amer. Spec. Paper 16, p. 143, pl. 12, fig. 7 (30 November).

Lower Cretaceous, upper part of Hulen beds, Horsetown Group, east branch of Hulen Creek, Shasta County, California.

californicum Smith, **Placenticerias** Neotype 23B

Neoparatypes 23–23A [Types lost in 1906 fire]

1900, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 7, p. 203, (15 August). Neotype and neoparatypes designated by Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 255.

Upper Cretaceous, Coniacian, ½ mile west of Henley, Siskiyou County, California.

Smith (1900) described and figured this species, but attributed the name to Anderson (MS), stating that "Mr. Anderson will describe this fauna in his monograph on the Cretaceous, and with his permission the writer uses his manuscript name '*Placenticerias californicum* Anderson.'" However, Smith's description is obviously his own, and the species must be attributed to him, rather than to Anderson, 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 78 (24 December).

californicum Anderson, **Placenticerias** Plasto-Plesiotypes 5073, 5076

Waring, 1917, Proc. Calif. Acad. Sci., 4th ser., vol. 7, no. 4, p. 70, pl. 9, figs. 16–17 (30 July).

Upper Cretaceous, Chico Formation, Chico area south of Santa Monica Mountains, California.

californicum Smith, **Trachyceras** (**Protrachyceras**) Plasto-Holotype 11099

Plasto-Paratype 11100

1927, U.S. Geol. Surv., Prof. Paper 141, p. 79, pl. 1, figs. 1–2; pl. 2, figs. 1–4.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

californicus Anderson, **Belemnopsis** Holotype 8971

1945, Bull. Geol. Soc. Amer., vol. 56, p. 990, pl. 1, figs. 1a-c (October).

Upper Jurassic, Elder Creek Group, lower part of Knoxville, Thomas Creek, Tehama County, California.

- californicus** Hyatt and Smith, **Clionites** (**Neanites**) Plasto-Holotype 11142
1905, U.S. Geol. Surv., Prof. Paper 40, p. 190, pl. 83, figs. 14-16.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- californicus** Smith, **Paratropites** (**Gymnotropites**) Plasto-Holotype 10977
Plasto-Paratype 10978
1927, U.S. Geol. Surv., Prof. Paper 141, p. 46, pl. 57, figs. 1-5.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- californicus** Anderson, **Prionocyclus** Plasto-Holotype 10838
1958, Geol. Soc. Amer., Mem. 71, p. 262, pl. 69, figs. 4-4B (6 June).
Upper Cretaceous, Coniacian, Oak Run Creek, Shasta County, California.
- calli** Smith, **Gymnites** Plasto-Holotype 11469
1914, U.S. Geol. Surv., Prof. Paper 83, p. 53, pl. 26, figs. 1-1A.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, West Humboldt Range, Nevada.
- camachoi** Westermann, **Docidoceras** (**Pseudocidoceras**)
Paratypes 13111, 13121
Plasto-Paratype 13122
1969, Bull. Amer. Paleont., vol. 57, no. 255, p. 147, pl. 40, figs. 1a-b; pl. 42, figs. 1a-b (20 November).
Middle Jurassic, Bajocian, *Sonninia sowerbyi* zone, Kialagvik Formation, southeast shore of Wide Bay, 5.5 kilometers southwest of Tatcliff Island, Alaska.
- camachoi** Westermann, **Docidoceras** (**Pseudocidoceras?**) cf. **D.**
Hypotype 13120
Westermann, 1969, Bull. Amer. Paleont., vol. 57, no. 255, p. 151, pl. 42, fig. 2 (20 November).
Middle Jurassic, Bajocian, *Sonninia sowerbyi* zone, Kialagvik Formation, southeast shore of Wide Bay, 5.5 kilometers southwest of Tatcliff Island, Alaska.
- campanile** Mojsisovics, **Orthoceras** Plasto-Plesiotype 11776
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 141, pl. 94, fig. 19.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- capellense** Anderson, **Phylloceras** Plasto-Holotype 8716
1945, Bull. Geol. Soc. Amer., vol. 56, p. 977, pl. 4, fig. 8 (October).
Upper Jurassic, Tithonian, Capell Creek, south end of Berryessa Valley, Napa County, California.

- capensis** Woods, **Baculites** aff. **B.** Hypotype 10713
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 192, pl. 48, figs. 8–8A (6 June).
 Upper Cretaceous, lower Senonian, a little above concrete bridge on Cache
 Creek, 3 miles northwest of Rumsey, Yolo County, California.
- careyi** Smith, **Clionites** (**Californites**) Plasto-Holotype 11149
 Plasto-Paratype 11150
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 92, pl. 66, figs. 1–6.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, Brock Mountain, Shasta County, California.
- carinatus** Johnston, **Lobites** (**Lobites**) Plasto-Holotype 11357
 Plasto-Paratypes 11358–11359
 1941, Jour. Paleont., vol. 15, no. 5, p. 466, pl. 61, figs. 5–8; text fig. 2B (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon,
 New Pass Range, Nevada.
- carpenteri** Smith, **Arcestes** (**Proarcestes**) Plasto-Holotype 11063
 Plasto-Paratype 11064
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 68, pl. 23, figs. 1–4.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, north fork of Squaw Creek, Shasta County, California.
- carpenteri** Smith, **Owenites** Plasto-Holotype 12069
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 100, pl. 54, figs. 31–32.
 Lower Triassic, *Owenites* subzone of *Meckoceras* zone, Union Wash, Inyo
 Mountains, about 15 miles southeast of Independence, Inyo County,
 California.
- cascadense** Anderson, **Diplomoceras** Holotype 10723
 Paratypes 10724–10725
 1958, Geol. Soc. Amer., Mem. 71, p. 199, pl. 55, figs. 4–4A; pl. 69, figs. 2–3 (6 June).
 Upper Cretaceous, upper Turonian, 49-Mine, south of Phoenix, Jackson
 County, Oregon.
- casperi** Anderson, **Prionotropis** Holotype 10835
 Paratype 10836
 1958, Geol. Soc. Amer., Mem. 71, p. 262, pl. 34, fig. 6; pl. 39, figs. 3–4 (6 June).
 Upper Cretaceous, upper Turonian, lower Senonian, 2 miles west of Phoenix,
 Jackson County, Oregon.
- catarinae** Hanna and Anderson, **Pachydiscus** Holotype [Lectotype] 4245
 Paratypes [Paralectotypes] 4246–4247
In Anderson, 1928, Pan-Amer. Geol., vol. 50, no. 4, p. 283, fig. on pl. 9 (November).
 [Species named and figured only]. Described and refigured as *Parapachydiscus*
catarinae by Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no.
 1, p. 19, pl. 1, fig. 1; pl. 2, fig. 1; pl. 3, figs. 1–3 (23 December).
 Cretaceous, near Santa Catarina Landing, Baja California.

- celeste** Anderson, **Canadoceras** Holotype 10797
1958, Geol. Soc. Amer., Mem. 71, p. 234, pl. 42, figs. 3-3A (6 June).
Upper Cretaceous, lower Senonian, Rumsey Hills, Yolo County, California.
- centriglobus** (Oppel), **Metacymbites?** cf. **M.** Hypotype 12780
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 27, pl. 1, figs. 1-6.
Lower Jurassic, Nicely Shale, Delintment Lake quadrangle, Grant County, Oregon.
- ceratopse** Anderson, **Heteroceras** Holotype 37
1902, Proc. Calif. Acad. Sci., 3rd ser., vol. 2, no. 1, p. 91, pl. 3, figs. 100-101 (24 December).
Cretaceous, Smith ranch, 2 miles west of Phoenix, Jackson County, Oregon.
- cerrosensis** Anderson, **Parahoplitoides** Holotype 8776
1938, Geol. Soc. Amer., Spec. Paper 16, p. 168, pl. 33, fig. 1 (30 November).
Lower Cretaceous, Argonaut zone, Horsetown Group, near Roaring River, 5½ miles south of Ono, Shasta County, California.
- [**cerrosensis** Anderson, **Parahoplitoides** cf. **P.**] Hypotype 4285
Anonymous, 1952, Standard Oil Co. of Calif., Bull., vol. 35, no. 5, referred to as "a fossilized ammonite . . . of Mesozoic era," text on back of front cover; illustration on front cover.
Lower Cretaceous, Alderson Gulch, north fork of Cottonwood Creek, 2 miles south of Ono, Shasta County, California.
- chancelula** Anderson, **Subastieria** Holotype 8791
Plasto-Holotype 8791A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 156, pl. 22, figs. 4-5 (30 November).
Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, 4 miles south of Ono, Shasta County, California.
- charlottense** Anderson, **Anisoceras** Holotype 10751
1958, Geol. Soc. Amer., Mem. 71, p. 209, pl. 11, figs. 3-3B (6 June).
Upper Cretaceous, upper Albian, southeast shore of Graham Island, 2 miles or more north of Skidegate, British Columbia, Canada.
- chicoense** Trask, **Ammonites** Neotype 5785 [Holotype lost in 1906 fire]
Taff, Hanna, and Cross, 1940, Bull. Geol. Soc. Amer., vol. 51, no. 9, p. 1320, pl. 1, figs. 1-2 (1 September).
Upper Cretaceous, Chico Formation, Chico Creek, 3.6 miles from 10 Mile House on Humboldt Road east of Chico, Butte County, California.
- chicoensis** Trask, **Baculites** Neosyntypes 5786-5787
Taff, Hanna and Cross, 1940, Bull. Geol. Soc. Amer., vol. 51, no. 9, p. 1321, pl. 1, figs. 3-4 (1 September).
Upper Cretaceous, Chico Formation, Chico Creek, 3.6 miles from 10 Mile House on Humboldt Road east of Chico, Butte County, California.
- chicoensis** Trask, **Baculites** Plasto-Plesiotype 4970
Waring, 1914, Calif. State Mining Bur., Map Folio, Bull. 69, text inside front cover, pl. 1, fig. 9 (October).

Upper Cretaceous, Chico Formation, 200 yards north of Spring Valley Water Company dam site, Arroyo del Valle, Tesla quadrangle, Alameda County, California.

chicoensis Trask, **Baculites** Hypotype 10755

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 190, pl. 48, fig. 1A (6 June).

Upper Cretaceous, Campanian, west bank of Big Butte Creek, 3.4 miles north of junction of Paradise-Big Butte Creek Road, Butte County, California.

chicoensis Trask, **Baculites** Hypotype 5951

Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 21 (11 September).

Upper Cretaceous, Chico Formation, Big Chico Creek, 3.6 miles from "10-Mile House" on Humboldt Road east of Chico, Butte County, California.

chicoensis Trask, **Submortonicer**s Hypotype 5952

Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, figs. 13-14 (11 September).

Upper Cretaceous, Chico Formation, Big Chico Creek, 3.6 miles from "10-Mile House" on Humboldt Road east of Chico, Butte County, California.

churchi Anderson, **Hauericer**as Holotype 10770

Paratype 10771

1958, Geol. Soc. Amer., Mem. 71, p. 220, pl. 62, figs 2-3 (6 June).

Upper Cretaceous, Joaquin Ridge, northwest of "Oil City," Fresno County, California; Basin Hollow, Clover Creek, near Millville, Shasta County, California.

cigarroides Anderson, **Belemnopsis** (**Hibolites**) Holotype 8974

1938, Geol. Soc. Amer., Spec. Paper 16, p. 230, pl. 80, fig. 7 (30 November).

Lower Cretaceous, "Zone T," Horsetown Group, about 1200 feet west of the Lowry-Paskenta Road, McCarthy Creek, Tehama County, California.

cirratus White, **Arcestes**? Plasto-"Cotypes" [Syntypes] 12015-12015A

1879, U.S. Geol. and Geog. Surv. Terr., Bull. 5, no. 1, art. 5, p. 116.

Jura-Trias, member D, southeastern Idaho.

cirratus (White), **Flemingites** Plasto-Plesiotypes 11467-11468, 11828

Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 53, pl. 20, fig. 1; pl. 26, figs. 1-4.

Lower Triassic, *Meekoceras* zone, 1 mile west of Paris, Idaho; 5 miles southeast of Grays Lake, Idaho; 1 mile northeast of Hot Springs, Bear Lake County, Idaho.

clarkei Smith, **Ceratites** (**Paraceratites**) ?Plasto-Holotype 11556

Plasto-Cotypes [?Paratypes] 11557-11560

1914, U.S. Geol. Surv., Prof. Paper 83, p. 91, pl. 40, figs. 15-23; pl. 52, figs. 4-6.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- clavatulus** Smith, **Atractites** Plasto-Holotype 11754
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 139, pl. 96, figs. 11-12.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- clavicula** Anderson, **Cylindroteuthis** Holotype 8958
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 989, pl. 9, fig. 5 (October).
 Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6 miles north of Winslow Bridge, Glenn County, California.
- coalingense** Anderson, **Lytoceras (Gaudryceras)** Holotype 10694
 1958, Geol. Soc. Amer., Mem. 71, p. 184, pl. 68, fig. 1 (6 June).
 Upper Cretaceous, Maestrichtian, Moreno Formation, Los Gatos Creek, 12 miles northwest of Coalinga, Fresno County, California.
- coalingensis** Anderson, **Parapachydiscus** Holotype 10783
 1958, Geol. Soc. Amer., Mem. 71, p. 227, pl. 65, figs. 6-6A (6 June).
 Upper Cretaceous, Maestrichtian, Moreno Formation, Los Gatos Creek, 8 miles northwest of Coalinga, Fresno County, California.
- coei** Smith, **Metasibirites** Plasto-Holotype 11048
 Plasto-Paratype 11049
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 63, pl. 60, figs. 1-6.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, on squaw Creek Brock Mountain, Shasta County, California.
- colei** Smith, **Paratropites (Paulotropites)** Plasto-Holotype 10986
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 47, pl. 57, figs. 22-23.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- colombiana** Anderson, **Aturia** Holotype 2697
 1928, Proc. Calif. Acad. Sci., 4th ser., vol. 17, no. 1, p. 17, pl. 1, fig. 10; text figs. 2-3 (22 June).
 Eocene, horizon F, Carmen section, 6 miles southwest of El Carmen, Bolivar, Colombia.
- columbianum** Crickmay, **Phylloceras** Plasto-Holotype 10568
 1930, Canada Dept. Mines. Nat. Mus. Canada, Bull. 63, Geol. Ser. no. 51, p. 64, pl. 22, figs. 1-3.
 Jurassic, peninsula in Harrison Lake, British Columbia, Canada.
- columbianus** Smith, **Paranannites** Plasto-Holotype 12067
 Plasto-Paratype 12068
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 99, pl. 32, figs. 11-13.
 Lower Triassic, *Meekoceras* zone, Wood Canyon, Aspen Mountains, Idaho.
- colusaense** Anderson, **Desmoceras** Holotype 4283
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 96, pl. 5, figs. 128-129; pl. 10, fig. 200 (24 December).

Upper Cretaceous, Horsetown horizon, vicinity of Sites, Colusa County, California.

colusaensis Anderson, **Aulacosphinctes?** Fragment of Holotype 10446
1945, Bull. Geol. Soc. Amer., vol. 56, p. 980, pl. 13, figs. 2, 2B (October).

Upper Jurassic, probably Tithonian, lower Newville group, Bear Creek, 1.3 miles above mouth of Sulphur Creek, Colusa County, California.

colusaensis (Anderson), **Puzosia (Parapuzosia)** Hypotype 10798
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 236, pl. 10, fig. 1 (6 June).

Upper Cretaceous, late Albian or early Cenomanian, north fork of Cottonwood Creek, $\frac{1}{2}$ mile west of the mouth of Hulen Creek, Shasta County, California.

compactus Smith, **Clionites (Shastites)** Plasto-Holotype 11135
Plasto-Paratypes 11136-11137

1927, U.S. Geol. Surv., Prof. Paper 141, p. 89, pl. 67, figs. 12-17.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

compactus Hyatt and Smith, **Lanceolites** Plasto-"Cotypes" [Syntypes] 11937-11940
Plasto-Plesiotype [?Paratype 11941]

1905, U.S. Geol. Surv., Prof. Paper 40, p. 113, pl. 4, figs. 4-7; pl. 5, figs. 7-9; pl. 78, figs. 9-11.

Lower Triassic, *Meckoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho; Union Wash, Inyo County, California.

compressa Hyatt and Smith, **Ussuria** Plasto-Holotype 11958
Plasto-Paratypes 11959-11960

1905, U.S. Geol. Surv., Prof. Paper 40, p. 89, pl. 3, figs. 6-11.

Lower Triassic, *Meckoceras* beds, Union Wash, Inyo Range, California.

compressum Johnston, **Trachyceras (Trachyceras) desatoyense** Plasto-Holotype 11399

1941, Jour. Paleont., vol. 15, no. 5, p. 484, pl. 68, figs. 6-7 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

compressus Hyatt and Smith, **Clionites (Shastites)** Plasto-Holotype 11133
Plasto-Paratype 11134

1905, U.S. Geol. Surv., Prof. Paper 40, p. 188, pl. 43, figs. 1-7.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

condoni Anderson, **Oregoniceras** Holotype 10844

1958, Geol. Soc. Amer. Mem. 71, p. 265, pl. 14, figs. 3-4A (6 June).

Upper Cretaceous, upper Turonian, 49-Mine, near Phoenix, Jackson County, Oregon.

- condoni** Anderson, **Scaphites** Holotype 34
Paratype 34A
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 111, pl. 2, figs. 58-60 (24 December).
Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.
- condoni** Anderson, **Scaphites** Plasto-Hypotype 10819
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 249, pl. 24, fig. 6E (6 June).
Upper Cretaceous, left bank of Salt Creek, north of Alturas-Redding highway, Redding quadrangle, Shasta County, California.
- conquistador** Anderson, **Mantelliceras** Holotype 10812
1958, Geol. Soc. Amer., Mem. 71, p. 245, pl. 15, fig. 2 (6 June).
Upper Cretaceous, upper Cenomanian, Little Cow Creek, Redding-Alturas Highway, east of Frazier Corners, Shasta County, California.
- conquistador** Anderson, **Mantelliceras** aff. **M.** Hypotype 10813
1958, Geol. Soc. Amer., Mem. 71, p. 245, pl. 14, fig. 2 (6 June).
Upper Cretaceous, upper Cenomanian, Little Cow Creek, Redding-Alturas Highway, east of Frazier Corners, Shasta County, California.
- consanguineus** Smith, **Columbites** Plasto-Holotype 12084
Plasto-Paratypes 12085-12086
1932, U.S. Geol. Surv., Prof. Paper 167, p. 106, pl. 46, figs. 1-6.
Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.
- cooperi** Gabb, **Anisoceras** Plasto-Hypotype 8887
Whiteaves, 1903, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 5, p. 336, pl. 43, fig. 1 (July).
Cretaceous, northwest point of Hornby Island, Strait of Georgia, British Columbia, Canada.
- cooperi** Smith, **Grypoceras** (**Gryponutilus**) Plasto-Holotype 11186
Plasto-Paratype 11187
1927, U.S. Geol. Surv., Prof. Paper 141, p. 107, pl. 88, figs. 1-5.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Creek, north end of Brock Mountain, Shasta County, California.
- cordilleranus** Smith, **Xenodiscus** Plasto-Holotype 11785
Plasto-Paratype 11786
1932, U.S. Geol. Surv., Prof. Paper 167, p. 43, pl. 24, figs. 21-23, 27-29.
Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Mountains, 9 miles northeast of Soda Springs, Idaho; 5 miles southeast of Grays Lake, southeastern Idaho.
- cornucapri** Anderson, **Toxoceras** Plasto-Holotype 8934
1938, Geol. Soc. Amer., Spec. Paper 16, p. 217, pl. 19, fig. 3 (30 November).
Lower Cretaceous, Alderson Creek, $\frac{1}{2}$ mile southeast of Barr ranch house, 2 miles south of Ono, Shasta County, California.

- cornutus** Smith, **Ceratites** Plasto-Holotype 11584
Plasto-Paratypes 11585–11587
1914, U.S. Geol. Surv., Prof. Paper 83, pl. 62, figs. 1–12.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- corrugatum** Smith, **Meekoceras (Koninckites) mushbachanum** Plasto-Holotype 11873
1932, U.S. Geol. Surv., Prof. Paper 167, p. 61, pl. 38, fig. 1.
Lower Triassic, *Meekoceras* zone, north end of Bear Lake, 1 mile east of Hot Springs, Idaho.
- cortinaensis** Anderson, **Parapachydiscus** Holotype 10789
1958, Geol. Soc. Amer., Mem. 71, p. 226, pl. 45, figs. 2–2A (6 June).
Upper Cretaceous, Coniacian-Emscherian horizon, Sand Creek, Colusa County, California.
- crassicornu** Smith, **Ceratites** Plasto-Holotype 11578
1914, U.S. Geol. Surv., Prof. Paper 83, p. 95, pl. 43, figs. 11–12.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- crassiplicata** Stanton, **Berriasella** Hypotype 5958
Hypotype cast 5958a
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, text fig. 17 (11 September).
Lower Cretaceous, Paskenta beds, McCarthy Creek, Tehama County, California.
- crassiplicatus** Stanton, **Hoplites** Plasto-Holotype 10433
1895, U.S. Geol. Surv., Bull. 133, p. 81, pl. 18, fig. 8.
Lower Cretaceous, Knoxville beds, 3 miles north of Paskenta, Tehama County, California.
- crassus** Smith, **Lecanites** Plasto-Holotype 11501
1914, U.S. Geol. Surv., Prof. Paper 83, p. 66, pl. 89, figs. 1–2.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- crenulatum** (Anderson), **Prionocycloceras** Neotype 10839
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 263, pl. 34, figs. 5–5A (6 June).
Upper Cretaceous, lower Senonian, 4 miles north of Montague, Siskiyou County, California.
- cricki** Smith, **Ceratites (Paraceratites)** Plasto-Holotype 11540
Plasto-Paratypes 11541–11547
1914, U.S. Geol. Surv., Prof. Paper 83, p. 87, pl. 37, figs. 6–13; pl. 38, figs. 1–8; pl. 47, figs. 19–21.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada; New Pass, Desatoya Mountains, Nevada.

cristatum Smith, **Meekoceras** Plasto-Holotype 11830
Plasto-Paratypes 11831–11832
1932, U.S. Geol. Surv., Prof. Paper 167, p. 56, pl. 33, figs. 15–17; pl. 34, figs. 1–6.
Lower Triassic, *Meekoceras* zone, north end of Bear Lake, 1 mile east of Hot Springs, Idaho; 5 miles east of Grays Lake, Idaho.

crossi Anderson, **Protacanthodiscus** Apparent Holotype 10448
Wax cast of same 10448A
1945, Bull. Geol. Soc. Amer., vol. 56, p. 984 (October).
Upper Jurassic, Knoxville series, McCarthy Creek, 3 miles northwest of Paskenta, Tehama, County, California.

crossi Anderson, **Sonneratia** Holotype 8860
Paratypes 8861–8863
1938, Geol. Soc. Amer., Spec. Paper 16, p. 196, pl. 48, figs. 4–7 (30 November).
Lower Cretaceous, near top of Horsetown Group, old mining camp of Horsetown, on Clear Creek, Shasta County, California.

crossmani Hyatt, **Vermiceras** “Holotype” [Lectotype] 1760
“Paratype” [Paralectotype] 1761
1892, Bull. Geol. Soc. Amer., vol. 3, p. 411. Types selected by Crickmay in Proc. Calif. Acad. Sci., 4th ser., vol. 14, no. 3, July 23, 1925, p. 77, pl. 9, figs. 1, 2, “Holotype” 1760; figs. 3, 4, 5, “Paratype” 1761.
Lower Jurassic, early Sinemurian, Santa Fe district, Esmeralda County, Nevada.

crossmani Hyatt, **Vermiceras** Syntype 1763
1892, Bull. Geol. Soc. Amer., vol. 3, p. 411. This specimen represents a different species according to Crickmay in Proc. Calif. Acad. Sci., 4th ser., vol. 14, no. 3, p. 77, 23 July, 1925.

curticutatum Smith, **Meekoceras** Plasto-Holotype 11841
Plasto-Paratypes 11842–11843
1932, U.S. Geol. Surv., Prof. Paper 167, p. 56, pl. 48, figs. 21–26.
Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.

cyclopius Anderson, **Hemibaculites** Holotype 8918
1938, Geol. Soc. Amer., Spec. Paper 16, p. 221, pl. 58, fig. 3, pl. 66, figs. 3–3A (30 November).
Lower Cretaceous, upper Horsetown group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

D

dallasi Anderson, **Parahoplites** Holotype 8780
Hypotype [Paratype] 8781
1938, Geol. Soc. Amer., Spec. Paper 16, p. 169, pl. 34, figs. 1–2 (30 November).

Lower Cretaceous, lower Gargasian, Horsetown Group, $\frac{1}{2}$ mile east of Mitchell Creek, 5 miles south of Ono, Shasta County, California.

dalli Smith, **Eutomoceras** (**Halilucites**) Plasto-Holotype 11498
Plasto-Paratypes 11499–11500

1914, U.S. Geol. Surv., Prof. Paper 83, p. 65, pl. 29, figs. 1–8.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

damesi Mojsisovics, **Juvavites** (**Anatomites**) Plasto-Plesiotype 11008
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 56, pl. 19, figs. 23–24.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

davisi Smith, **Discotropites** Plasto-Holotype 10952
Plasto-Paratype 10953

1927, U.S. Geol. Surv., Prof. Paper 141, p. 42, pl. 9, figs. 4–6; pl. 10, fig. 14.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

declive (Gabb), **Bostrychoceras** Hypotypes 10743–10743A
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 207, pl. 52, figs. 2–2A (6 June).

Upper Cretaceous, Campanian, Chico Formation, 1 mile west of Pentz, Butte County, California.

delvallense Anderson, **Lytoceras** (**Gaudryceras**) Holotype (rock mold) 10690
Plasto-Holotype 10690A

1958, Geol. Soc. Amer., Mem. 71, p. 183, pl. 41, figs. 4–4A (6 June).

Upper Cretaceous, lower Senonian, aqueduct tunnel east of Del Valle shaft, Alameda County, California.

desatoyense Johnston, **Trachyceras** (**Trachyceras**) Plasto-Holotype 11395
Plasto-Paratypes 11396–11398

1941, Jour. Paleont., vol. 15, no. 5, p. 483, pl. 66, figs. 3–4; pl. 67, figs. 4–5; pl. 68, figs. 4–5 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

desatoyense var., Johnston, **Trachyceras** (**Trachyceras**)
Plasto-Plesiotypes 11393–11394

1941, Jour. Paleont., vol. 15, no. 5, p. 484, pl. 66, figs. 1–2 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

desertense Anderson, **Exiteloceras** Holotype 10734
1958, Geol. Soc. Amer., Mem. 71, p. 202, pl. 66, figs. 2–2A (6 June).

Upper Cretaceous, northeast slope of Joaquin Ridge, 3 or more miles north-east of Oil City, Fresno County, California.

- desertorum** Smith, *Anasibirites* Plasto-Holotype 11898
Plasto-Paratype 11899
Plasto-Plesiotype [Paratype] 11900
1932, U.S. Geol. Surv., Prof. Paper 167, p. 71, pl. 51, figs. 7-10; pl. 56, figs. 19-20.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Mountains, about 15 miles southeast of Independence, Inyo County, California; south side of Paris Canyon, 1 mile west of Paris, Idaho.
- desertorum** Smith, *Dinarites* Plasto-Holotype 11514
Plasto-Paratype 11515
1914, U.S. Geol. Surv., Prof. Paper 83, p. 69, pl. 89, figs. 3-7.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- desertorum** Johnston, *Metahedenstroemia*? Plasto-Holotype 11349
Plasto-Paratypes 11350-11355
1941, Jour. Paleont., vol. 15, no. 5, p. 460, pl. 60, figs. 6-8; pl. 61, figs. 1-4; pl. 63, fig. 3; text figs. 1-G, 1-H, 2-A (September).
Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- diabloense** Anderson, *Calycoceras* (*Eucalycoceras*) Holotype 10808
1958, Geol. Soc. Amer., Mem. 71, p. 243, pl. 23, figs. 4-5 (6 June).
Upper Cretaceous, lower Cenomanian, Curry Creek, Contra Costa County, California.
- diabloense** Anderson, *Exicrioceras* Holotype 10749
Paratype 10750
1958, Geol. Soc. Amer., Mem. 71, p. 208, pl. 72, figs. 1-3 (6 June).
Upper Cretaceous, upper Campanian-Maestrichtian, Moreno Formation, Pacheco Pass quadrangle, Stanislaus County, California.
- diabloensis** Anderson, *Aulacosphinctes* Plasto-Holotype and
impression 8710-8710A
1945, Bull. Geol. Soc. Amer., vol. 56, p. 980, pl. 2, fig. 2 (October).
Upper Jurassic, Tithonian, Bagley Creek, Contra Costa County, California.
- diadema** Anderson, *Puzosia* Holotype 8822
Paratype 8823
Plesiotypes [Paratypes] 8824-8825
1938, Geol. Soc. Amer., Spec. Paper 16, p. 188, pl. 42, figs. 9-12 (30 November).
Lower Cretaceous, Buenaventura zone, upper Horsetown Group, west branch of Hulen Creek, Shasta County, California.
- dickersoni** Smith, *Sagenites* Plasto-Holotype 11007
1927, U.S. Geol. Surv., Prof. Paper 141, p. 60, pl. 14, figs. 19-20.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

dieneri Hyatt and Smith, **Nannites** Plasto-Holotype 12106
Plasto-Paratypes 12107–12108

1905, U.S. Geol. Surv., Prof. Paper 40, p. 79, pl. 7, figs. 5–13.

Lower Triassic, *Meckoceras* zone, Union Wash, Inyo Range, Inyo County, California.

dieneri Hyatt and Smith, **Ophiceras** Plasto-Holotype 11803
Plasto-Paratype 11804

1905, U.S. Geol. Surv., Prof. Paper 40, p. 118, pl. 8, figs. 16–20.

Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.

dieneri Smith, **Tropites** Plasto-Holotype 10905
Plasto-Paratype 10906

1927, U.S. Geol. Surv., Prof. Paper 141, p. 35, pl. 76, figs. 19–22.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

dilleri Hyatt and Smith, **Cosmonutilus** Plasto-“Cotypes”
[Syntypes] 11218–11222

1905, U.S. Geol. Surv., Prof. Paper 40, p. 207, pl. 51, fig. 1; pl. 52, fig. 1; pl. 53, figs. 1–2; pl. 54, figs. 1–4; pl. 55, figs. 1–5.

Upper Triassic, *Tropites subbullatus* zone, between Squaw Creek and Pit River, Shasta County, California.

dilleri Hyatt and Smith, **Cosmonutilus** Plasto-Plesiotypes 11223, 11462
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 104, pl. 90; pl. 91, figs. 1–2.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

dilleri Hyatt and Smith, **Cosmonutilus** Plasto-Plesiotypes 11992–11996
Kummel, 1953, U.S. Geol. Surv., Prof. Paper 250, p. 85, pl. 12, figs. 3–4.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

dilleri Anderson, **Desmoceras** [see *Puzosia dilleri*] Plasto-Holotype 8839
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 97, pl. 4, figs. 116–117; pl. 10, fig. 192 (24 December).

Cretaceous, upper Horsetown Group, near mouth of Hulen Creek, Shasta County, California.

dilleri Stanton, **Hoplites** Plasto-Holotype 10432

1895, U.S. Geol. Surv., Bull. 133, p. 82, pl. 18, figs. 6–7.

Lower Cretaceous, Knoxville, 5 miles north of Paskenta, Tehama County, California.

dilleri (Anderson), **Puzosia** [see *Desmoceras dilleri*] Plesiotypes 8829–8830
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 185, pl. 42, figs. 2–3 (30 November).
Lower Cretaceous, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.

dilleri Smith, **Tropites** Plasto-Holotype 10870
Plasto-Paratype 10871
1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 393, pl. 46, fig. 3; pl. 47, fig. 3 (29 July).
Upper Triassic, Karnic, *Tropites subbullatus* zone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

discobullatus Mojsisovics, **Tropites** Plasto-Plesiotype 10867
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 28, pl. 68, figs. 32–34.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosseikus limestone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

dittmari Mojsisovics, **Paratropites** Plasto-Plesiotype 10959
Smith, 1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 396, pl. 46, fig. 1; pl. 47, fig. 1 (29 July).
Upper Triassic, Karnic, *Trachyceras* subzone of *Tropites subbullatus* zone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

diventroides Anderson, **Belemnopsis (Hibolites)** Holotype 8983–8983A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 231, pl. 80, figs. 3–3B (30 November).
Lower Cretaceous, lower Horsetown Group, Fiddler Creek, $\frac{1}{2}$ mile north of big bend, Shasta County, California.

divergens Anderson, **Acroteuthis** Holotype 8948
1938, Geol. Soc. Amer., Spec. Paper 16, p. 229, pl. 80, figs. 6–6A (30 November).
Lower Cretaceous, lower Mitchell zone, Horsetown Group, Fiddler Creek, 10 miles south of Ono, Shasta County, California.

dobbinsi Anderson, **Nowakites** Holotype 10786
1958, Geol. Soc. Amer., Mem. 71, p. 231, pl. 44, figs. 2–2A (6 June).
Upper Cretaceous, Coniacian, Sand Creek, Colusa County, California.

domarense (Meneghini), **Arietoceras** cf. **A.** Hypotypes 12807–12808
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 33, pl. 4, figs. 10–12.
Lower Jurassic, Suplee Formation, on high hill southwest of South Fork Bridge, Izee quadrangle, Grant County, Oregon; Nicely shale, south of road from Suplee to Izee, Delintment Lake quadrangle, Grant County, Oregon.

- draconis** Anderson, **Anisoceras** [see *Hamites armatus* Anderson] Holotype 47
 1958, Geol. Soc. Amer., Mem. 71, p. 209, pl. 38, figs. 8-8A (6 June).
 Upper Cretaceous, Turonian, $\frac{1}{2}$ mile west of Henley, Siskiyou County, California.
- drakei** Smith, **Atractites** Plasto-Holotype 11167
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 100, pl. 89, figs. 15-16.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.
- drakei** Smith, **Trachyceras (Anolcites)** Plasto-Holotype 11730
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 129, pl. 97, figs. 15-17.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- dubium** Hyatt, **Cardioceras** Holotype 1762
 1894, Bull. Geol. Soc. Amer., vol. 5, p. 420 (30 March).
 Upper Jurassic, Mariposa Formation, 6 miles north of Copperopolis, Calaveras County, California.
- duncanense** Anderson, **Crioceras** Holotype 8873-8873B
 Casts of Holotype 8873C-8873D
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 200, pl. 55, fig. 2 (30 November).
 Lower Cretaceous, middle Paskenta Formation, Duncan Creek, 1 mile above County Road, Shasta County, California.
- duncanense** Anderson, **Spiticeras** Holotype 8810
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 160, pl. 27, figs. 1-2 (30 November).
 Lower Cretaceous, middle Paskenta Group, Duncan Creek, $\frac{3}{4}$ mile north of Ono-Beezum Road, Shasta County, California.
- dunni** Smith, **Beyrichites** Plasto-Holotype 11679
 Plasto-Paratype 11680
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 116, pl. 32, figs. 7-10.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- dunni** Smith, **Eutomoceras** Plasto-Holotype 11485
 Plasto-Paratypes 11486-11489
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 62, pl. 27, figs. 14-21, 24-25.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- dunni** Smith, **Trachyceras (Protrachyceras)** Plasto-Holotype 11747
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 134, pl. 84, figs. 14-16.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- durrelli** Anderson, *Ancyloceras* Holotype 8922
Paratypes 8923 8924
1938, Geol. Soc. Amer., Spec. Paper 16, p. 210, pl. 67, figs. 1-2, pl. 68, fig. 1 (30 November).
Lower Cretaceous, lower Horsetown Group, 1 mile west of the Murphy House, south of Roaring River, Shasta County, California.

E

- ecarinatus** Hauer, *Ceratites* Plasto-Plesiotype 11577
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 96, pl. 44, figs. 1-3.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- edgari** Mojsisovics, *Juvavites* (*Anatomites*) Plasto-Plesiotypes 11018-11019
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 56, pl. 16, figs. 11-14.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- egrediens** Welter, *Owenites* Plasto-Plesiotype 12070
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 100, pl. 52, figs. 6-8.
Lower Triassic, *Owenites* subzone of *Meckoceras* zone, Union Wash, Inyo Mountains, 15 miles southeast of Independence, Inyo County, California.
- elephas** Anderson, *Ancyloceras* Holotype 8919
?Paratype 8920
1938, Geol. Soc. Amer., Spec. Paper 16, p. 209, pl. 64, figs. 1-2; pl. 66, fig. 1 (30 November).
Lower Cretaceous, Mitchell zone, lower Horsetown Group, near Roaring River, 6 miles south of Ono, Shasta County, California.
- elkhornensis** Usher, *Pachydiscus* Plasto-Holotype 10557
1952, Geol. Surv. Canada, Bull. 21, p. 90, pl. 24, figs. 1-2.
Upper Cretaceous, Haslam Formation, Elkhorn Creek, Vancouver Island, British Columbia, Canada.
- elkoense** Smith, *Meckoceras* Plasto-Holotype 11838
1932, U.S. Geol. Surv., Prof. Paper 167, p. 56, pl. 55, figs. 14-16.
Lower Triassic, *Owenites* subzone of *Meckoceras* zone, mouth of Cottonwood Canyon, east side of Ruby Range, about 70 miles south of Wells, Elko County, Nevada.
- ellipticus** Anderson, *Hamites* Holotype 35
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 87, pl. 3, figs. 102-103 (24 December).
Cretaceous, Turonian, 49-Mine, southwest of Phoenix, Jackson County, Oregon.

- elongatum** (Whiteaves), **Bostrychoceras** Plasto-Lectotype 10574
 Usher, 1952, Geol. Surv. Canada, Bull. 21, p. 105, pl. 28, fig. 3.
 Upper Cretaceous, Hornby Island, but more probably Trent River Formation, Vancouver Island, British Columbia, Canada.
- emmonsii** Smith, **Ceratites** Plasto-Holotype 11588
 Plasto-Paratypes 11589–11590
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 98, pl. 60, figs. 13–21.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- empedoclis** (Gemmellaro), **Discotropites** Plasto-Plesiotypes 10939–10940
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 41, pl. 11, figs. 1–4.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.
- epigonum** Kossmat, **Lytoceras (Tetragonites)** Hypotypes 10698–10699,
 10784
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 187, pl. 65, figs. 4–5; pl. 67, figs. 3–3A (6 June).
 Upper Cretaceous, Moreno Formation, Los Gatos Creek, 8 miles northwest of Coalinga, Fresno County, California; Volta quadrangle, Merced County, California.
- erinaceus** (Dittmar), **Sagenites (Trachysagenites)**
 Plasto-Plesiotypes 11036–11038
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 60, pl. 12, figs. 1–6.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.
- evansi** Smith, **Meekoceras (Koninckites)** Plasto-Holotype 11879
 Plasto-Paratypes 11880–11881
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 60, pl. 35, figs. 1–3; pl. 36, figs. 1–4.
 Lower Triassic, *Meekoceras* zone, north end of Bear Lake, 1 mile east of Hot Springs, Idaho; 5 miles east of Grays Lake, Idaho.
- evansi** Smith, **Ptychites** Plasto-Holotype 11453
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 47, pl. 21, figs. 3–3A.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- evolutus** Smith, **Clionites (Stantonites)** Plasto-Holotype 11143
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 90, pl. 66, figs. 13–15.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.
- evolutus** Hyatt and Smith, **Tornquistites** Plasto-Holotype 10992
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 60, pl. 32, figs. 11–14.

Upper Triassic, *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.

exoticum Oppel, *Lytoceras* aff. **G.** [*Lytoceras* aff. *L. exoticum*, p. 1013]

Hypotype (rock mold) 10462

Hypotype (cast of mold) 10462A

Anderson, 1945, Bull. Geol. Soc. Amer., vol. 56, p. 977, pl. 14, figs. 2A-B (October).

Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, Glenn County, California.

externiplicatus Mojsisovics, **Juvavites** (**Anatomites**)

Plasto-Plesiotype 11020

Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 57, pl. 19, figs. 1-3.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

F

fairbanksi Anderson, **Baculites**

Hypotype 10704

1958, Geol. Soc. Amer., Mem. 71, p. 190, pl. 49, figs. 4-4A (6 June).

Upper Cretaceous, Coniacian, Sucia Island, Strait of Georgia, Washington.

fairbanksi Hyatt and Smith, **Clionites**

Plasto-Holotype 11119

Plasto-Paratypes 11120-11122

1905, U.S. Geol. Surv., Prof. Paper 40, p. 183, pl. 40, figs. 1-11.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

falciformis Smith, **Beyrichites**

Plasto-Holotype 11681

Plasto-Paratype 11682-11684

1914, U.S. Geol. Surv., Prof. Paper 83, p. 116, pl. 91, figs. 11-13; pl. 92, figs. 1-8.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

fascicostatum Anderson, **Joaquinites**

Holotype 10768

1958, Geol. Soc. Amer., Mem. 71, p. 219, pl. 9, figs. 3-4 (6 June).

Upper Cretaceous, uppermost Campanian or Maestrichtian, Panoche Formation, Joaquin Ridge, Fresno County, California.

fastigatum Westermann, **Pseudolioceras macklintocki**

Paratype 13110

1969, Bull. Amer. Paleont., vol. 57, no. 255, p. 52, pl. 13, fig. 2 (20 November).

Middle Jurassic, Bajocian, *Sonninia sowerbyi* zone, Kialagvik Formation, southeast shore of Wide Bay, 5.5 kilometers southwest of Tatcliff Island, Alaska.

fissicostatus Hauer, **Ceratites**

Plasto-Plesiotype 11579

Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 96, pl. 53, figs. 1-3.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- fittingensis** Smith, **Hungarites** Plasto-Holotype 11478
Plasto-Paratype 11479
1914, U.S. Geol. Surv., Prof. Paper 83, p. 58, pl. 29, figs. 12-14; pl. 90, figs. 5-7.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- flenoyi** Anderson, **Chelonicer** Holotype 8852-8852A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 179, pl. 26, fig. 3; pl. 28, fig. 6 (30 November).
Lower Cretaceous, "Zone U," upper Horsetown Group, McCarthy Creek near Lowry-Paskenta Road, Tehama County, California.
- foltzense** Smith, **Acrochordicer** Plasto-Holotype 11440
1914, U.S. Geol. Surv., Prof. Paper 83, p. 39, pl. 32, figs. 13-14.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- fontainei** Smith, **Nevadites** Plasto-Holotype 11703
Plasto-Paratypes 11704-11707
1914, U.S. Geol. Surv., Prof. Paper 83, p. 122, pl. 41, figs. 16-22; pl. 51, figs. 1-9.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- fontanellense** (Gemellaro), **Fontanellicer** cf. **F.** Hypotype 12809
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 36, pl. 5, figs. 16-18.
Lower Jurassic, Nicely(?) shale, Seneca quadrangle, Grant County, Oregon.
- fontinalis** Anderson, **Neohibolites** Holotype 8977
1938, Geol. Soc. Amer., Spec. Paper 16, p. 231, pl. 81, fig. 7 (30 November).
Lower Cretaceous, uppermost Horsetown Group, Texas Springs, 3 miles east of Horsetown, Shasta County, California.
- formosus** Smith, **Discotropites** Plasto-Holotype 10930
Plasto-Paratype 10931
1927, U.S. Geol. Surv., Prof. Paper 141, p. 40, pl. 11, figs. 23-27.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosseikus limestone, south end of Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.
- frazierense** Anderson, **Kotôcer** Plasto-Holotype 10764
1958, Geol. Soc. Amer., Mem. 71, p. 217, pl. 40, figs. 5-5A (6 June).
Upper Cretaceous, lower Senonian, Little Cow Creek, 1.5 miles east of Frazier Corners, Shasta County, California.
- frechi** (Hyatt and Smith), **Metasibirites** Plasto-Plesiotype 11052
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 63, pl. 60, figs. 17-18.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Brock Mountain, between Squaw Creek and Pit River, Shasta County, California.

- frechi** Hyatt and Smith, **Tropichelites** Plasto-Paratypes 11050-11051
1905, U.S. Geol. Surv., Prof. Paper 40, p. 59, pl. 80, figs. 4-5, 10-11.
Upper Triassic, *Tropites subbullatus* zone, Bear Mountain, between Squaw
Creek and Pit River, Shasta County, California.
- fredericksburgense** Scott, **Dipoloceras** Plasto-Holotype 10472
1928, Jour. Paleont., vol. 2, no. 2, p. 115, pl. 15, figs. 1-2 (June).
Lower Cretaceous, topmost Goodland, 2 miles northwest of Texas Christian
University, 9 mile dam on Clear Fork of Trinity River, Texas.
- frenchi** Kummel, **Metacoceras (Mojsvaroceras)** Plasto-Holotype 11962
Plasto-Paratypes 11963-11972
1953, U.S. Geol. Surv., Prof. Paper 250, p. 23, pl. 2, figs. 1-10; pl. 4, figs. 8-10; text
fig. 11.
Lower Triassic, upper shale member, *Columbites* zone, Thaynes Formation,
Montpelier Canyon, Idaho: Hot Springs, Idaho.
- fresnoense** Anderson, **Didymoceras** Holotype 10721
1958, Geol. Soc. Amer., Mem. 71, p. 197, pl. 68, fig. 2 (6 June).
Upper Cretaceous, Maestrichtian, Puerto Canyon, ½ mile above Panoche-
Moreno contact, Orestimba quadrangle, Stanislaus County, California.
- fresnoense** Anderson, **Neokotoceras** Holotype 10765
Paratypes 10766-10767
1958, Geol. Soc. Amer., Mem. 71, p. 218, pl. 57, figs. 1-5 (6 June).
Upper Cretaceous, Panoche Formation, Los Gatos Creek, Fresno County,
California; Joaquin Ridge, northwest of Oil City, Fresno County, Cali-
fornia.
- furberi** Anderson, **Pervinqueria** Holotype 10828
1958, Geol. Soc. Amer., Mem. 71, p. 258, pl. 11, fig. 1 (6 June).
Upper Cretaceous, upper Albian, Dry Creek, Tehama County, California.
- fergusoni** Kummel, **Sibyllonutilus** Plasto-Holotype 11999
Plasto-Paratype 12000
1953, U.S. Geol. Surv., Prof. Paper 250, p. 74, pl. 8, figs. 10-11; text fig. 37.
Upper Triassic, Gabbs Formation, 2½ miles north of mouth of New York
Canyon, Gabbs Valley Range, Nevada.
- furlongi** Smith, **Germanonutilus** Plasto-Holotype 11778
1914, U.S. Geol. Surv., Prof. Paper 83, p. 142, pl. 95, figs. 1-2.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- furlongi** Smith, **Germanonutilus** Plasto-Plesiotype 11981
Kummel, 1953, U.S. Geol. Surv., Prof. Paper 250, p. 29.
Middle Triassic, *Daonella dubia* zone, Star Peak Formation, Fossil Hill,
south fork of American Canyon, West Humboldt Range, Nevada.

furlongi Smith, **Trachyceras** (**Anolcites**) Plasto-Holotype 11732
 Plasto-Paratypes 11733–11735
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 130, pl. 83, figs. 1–7; pl. 84, figs. 1–5.
 Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American
 Canyon, West Humboldt Range, Nevada.

fusobullatus Mojsisovics, **Tropites** Plasto-Plesiotypes 10887–10888
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 32, pl. 70, figs. 21–24.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, south end of Brock Mountain, Shasta County, California.

G

gabbi Meek, **Arcestes** Plasto-“Cotype” [Syntype] 12047
 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 121, pl. 10, figs.
 6–6A.
 Upper Triassic, St. Cassian Formation, near Cottonwood Canyon, West
 Humboldt Range, Nevada.

gabbi Meek, **Arcestes** (**Proarcestes**) Plasto-Plesiotypes 11447–11448
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 43, pl. 21, figs. 1–2; pl. 93, figs. 19–19A.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.

gabbi Hyatt and Smith, **Arpadites** Plasto-“Cotypes” [Syntypes]
 11152–11154
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 175, pl. 39, figs. 1–9.
 Upper Triassic, *Tropites subbullatus* zone, divide between Squaw Creek and
 Pit River, 6 miles northeast of Winthrop, Shasta County, California.

gabbi Smith, **Celtites** Plasto-“Cotype” [Syntype] 11430
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 34, pl. 20, figs. 9–10.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.

gabbi Meek, **Eudiscoceras** Plasto-Holotype 12051
 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 128, pl. 11, figs.
 4–4A.
 Upper Triassic, Cottonwood Canyon, West Humboldt Range, Nevada.

gabbi Anderson, **Helicancyclus** Plasto-Holotype 5877
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 222, pl. 79, figs. 4–5 (30 November).
 Lower Cretaceous, Cottonwood District, Shasta County, California.

gabbi (Anderson), **Mortoniceras** (**Submortoniceras**) Neotype 10864
 1958, Geol. Soc. Amer., Mem. 71, p. 271 (6 June).
 Upper Cretaceous, Chico Formation, 1 mile west of Pentz, Butte County,
 California.

- gabbi** Anderson, *Nautilus* Hypotype 8744
1938, Geol. Soc. Amer., Spec. Paper 16, p. 138, pl. 10, fig. 1 (30 November).
Lower Cretaceous, Perrin zone, east branch of Hulen Creek, Shasta County, California.
- gabbi** Anderson, *Parapachydiscus* aff. **P.** Hypotypes 10781–10782
1958, Geol. Soc. Amer., Mem. 71, p. 226, pl. 54, figs. 2–2A (6 June).
Upper Cretaceous, southeast bank of Big Chico Creek, 3.6 miles from 10-Mile House on Humboldt Road east of Chico, Butte County, California.
- gabbi** Smith, *Paratropites* Plasto-Holotype 10960
Plasto-Paratype 10961
1927, U.S. Geol. Surv., Prof. Paper 141, p. 44, pl. 24, figs. 9–13.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- gabbi** Mojsisovics, *Sageceras* Plasto-Plesiotypes 11451–11452
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 49, pl. 11, figs. 8–9; pl. 21, figs. 18–20.
Middle Triassic, *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada; Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- gabbi** Smith, *Trachyceras* (*Anolcites*) Plasto-Holotype 11737
Plasto-Paratypes 11738–11739
Plasto-Plesiotype [Paratype] 11740
1914, U.S. Geol. Surv., Prof. Paper 83, p. 132, pl. 9, figs. 3–6; pl. 11, figs. 4–5; pl. 85, figs. 11–12; pl. 86, figs. 1–3.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada; divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- gainesana** Anderson, *Pervinquieria* Plasto-Holotype 10827
1958, Geol. Soc. Amer., Mem. 71, p. 257, pl. 4, figs. 1–1A (6 June).
Upper Cretaceous, north fork of Cottonwood Creek, 0.6 miles above mouth of Hulen Creek, Shasta County, California.
- ganesi** Anderson, *Lytoceras* (*Kossmatella*) Holotype 8752
Paratype 8753
Hypotype [Paratype] 8753A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 153, pl. 20, figs. 3–5 (30 November).
Lower Cretaceous, Neptune zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- ganesa** Forbes, *Parapachydiscus* aff. **P.** Hypotype 10785
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 230, pl. 71, figs. 4–4A (6 June).
Upper Cretaceous, Moreno Formation, south side of Ortigalita Creek, Panoche quadrangle, Merced County, California.

- gardanum** (Vacek), subspecies?, **Partschiceras** Hypotype 12606
 Westermann, 1964, Bull. Amer. Paleont., vol. 47, no. 216, p. 453, pl. 76, figs. A-D (28 August).
 Middle Jurassic, Lower Bajocian, middle or lower upper *E. howelli* zone, Kialagvik Formation, west shore of south end of Wide Bay, Alaska Peninsula.
- gardeni** (Baily), **Hauericeras** aff. **H.** Hypotype 10772
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 220, pl. 62, figs. 1-1A (6 June).
 Upper Cretaceous, Upper Campanian, Los Gatos Creek, Fresno County, California.
- gardneri** Anderson, **Acanthoplites** [*Acanthohoplites*] Holotype 8807
 Paratype 8808
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 172, pl. 37, fig. 1; pl. 54, fig. 1 (30 November).
 Lower Cretaceous, near Shoup zone, upper middle Horsetown Group, north fork of Cottonwood Creek, east of Ono, Shasta Co., California; above Argonaut zone, upper middle Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.
- gargantua** Johnston, **Lobites** (**Lobites**) Plasto-Holotype 11360
 Plasto-Paratypes 11361-11362
 1941, Jour. Paleont., vol. 15, no. 5, p. 466, pl. 62, figs. 1-5 (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- gargantium** Anderson, **Phylloceras** Holotype 12450
 1958, Geol. Soc. Amer., Mem. 71, p. 180, pl. 53, fig. 2, (6 June).
 Upper Cretaceous, Campanian, Panoche Formation, east flank of Panoche Hills, Fresno County, California.
- gaytani** Klipstein, **Arcestes** (**Proarcestes**) cf. **A. (P.)**.
 Plasto-Plesiotypes 11366-11367
 Johnston, 1941, Jour. Paleont., vol. 15, no. 5, p. 474, pl. 63, figs. 1-2; text figs. 2D-E (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- gemmellaroi** Smith, **Discotropites** Plasto-Holotype 10941
 Plasto-Paratype 10942
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 41, pl. 10, figs. 1-5.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.
- georgianum** Anderson, **Canadoceras** Plasto-Holotype 10796
 1958, Geol. Soc. Amer., Mem. 71, p. 234, pl. 32, figs. 3-3A (6 June).
 Upper Cretaceous, Coniacian, Sucia Island, Strait of Georgia, Washington.

- giganteum** Anderson, **Puzosia** (**Austiniceras**) Holotype 12448
1958, Geol. Soc. Amer., Mem. 71, p. 239, pl. 16, figs. 1-1A (6 June).
Upper Cretaceous, Dry Creek, about 15.1 miles southeast of Beegum near the Rosewood Road, Tehama County, California.
- gilberti** Smith, **Ceratites** Plasto-Holotype 11530
1914, U.S. Geol. Surv., Prof. Paper 83, p. 84, pl. 98, figs. 1-3.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- gilberti** Smith, **Xenodiscus** Plasto-Holotype 11787
1932, U.S. Geol. Surv., Prof. Paper 167, p. 43, pl. 24, figs. 1-3.
Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Mountains, 9 miles east of Soda Springs, Idaho.
- glennense** Anderson, **Phylloceras** Holotype 8720
1945, Bull. Geol. Soc. Amer., vol. 56, p. 976, pl. 11, figs. 1-2 (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, Glenn County, California.
- glennensis** Anderson, **Bochianites** [see *Bochianites* sp., Hanna and Hertlein] Holotype 5959
1945, Bull. Geol. Soc. Amer., vol. 56, p. 984, pl. 7, figs. 2A-C (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6 miles north of Winslow Bridge, Glenn County, California.
- glennensis** Anderson, **Cylindroteuthis** Holotype 8966
Paratype 8967
1945, Bull. Geol. Soc. Amer., vol. 56, p. 987, pl. 9, figs. 1A-B; pl. 10, figs. 3A-B (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6 miles north of Winslow Bridge, Glenn County, California.
- gorrilli** Anderson, **Puzosia** (**Holcodiscoides**) Holotype 10806
1958, Geol. Soc. Amer., Mem. 71, p. 240, pl. 46, fig. 3 (6 June).
Upper Cretaceous, Coniacian, "Forbes shale," Sand Creek, Colusa County, California.
- gracile** Smith, **Trachyceras** (**Anolcites**) Plasto-Holotype 11741
Plasto-Paratype 11742
1914, U.S. Geol. Surv., Prof. Paper 83, p. 132, pl. 82, figs. 4-7.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- gracilis** Smith, **Flemingites russelli** Plasto-Holotype 11829
1932, U.S. Geol. Surv., Prof. Paper 167, p. 53, pl. 23, figs. 1-3.
Lower Triassic, *Meckoceras* zone, head of Slug Creek, Aspen Mountains, 14 miles east of Soda Springs, Idaho.

- gracilis** Smith, **Metasibirites** Plasto-Holotype 11053
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 64, pl. 61, figs. 34-37.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.
- gracilitatis** White, **Meekoceras** Plasto-Plesiotypes 11844-11857
 Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 57, pl. 12, figs. 5-13; pl. 13, fig. 1; pl. 14, figs. 1-6; pl. 37, figs. 1-7; pl. 38, figs. 2-3; pl. 70, figs. 4-7.
 Lower Triassic, *Meekoceras* zone, Wood Canyon, Aspen Ridge, 9 miles north-east of Soda Springs, Idaho; Union Wash, Inyo Range, Inyo County, California; north end of Bear Lake, 1 mile northeast of Hot Springs, Idaho; 5 miles southeast of Grays Lake, Idaho.
- gracilitatis** White, **Meekoceras** Plasto-"Cotypes" [Syntypes] 12010-12012
 1879, U.S. Geol. and Geog. Surv. Terr., Bull., vol. 5, no. 1, art. 5, p. 114.
 Jura-Trias strata, southeastern Idaho.

II

- hadleyi** Smith, **Balatonites** Plasto-Holotype 11702
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 119, pl. 90, figs. 8-10.
 Middle Triassic, *Daonella dubia* zone, north fork of Buena Vista Canyon, 2 miles northwest of Unionville, West Humboldt Range, Nevada.
- haguei** Smith, **Ceratites** Plasto-Holotype 11580
 Plasto-Paratypes 11581-11583
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 97, pl. 42, figs. 1-5; pl. 43, figs. 1-2A.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- haidingeri** Hauer, **Sageceras** cf. **S.** Plasto-Plesiotype 11356
 Johnston, 1941, Jour. Paleont., vol. 15, no. 5, p. 462, pl. 60, figs. 9-10 (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- halli** Mojsisovics, **Celtites** Plasto-Plesiotype 11402-11403
 Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 125, pl. 25, figs. 5-5B.
 Middle Triassic, divide between north side of Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- halli** Mojsisovics, **Tropigastrites** Plasto-Plesiotypes 11404-11407
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 27, pl. 18, figs. 11-12; pl. 88, figs. 14-20.
 Middle Triassic, *Daonella dubia* zone, divide between north side of Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- hamlini** Anderson, **Aspinoceras** Holotype 8879
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 207, pl. 60, figs. 1-2 (30 November).
 Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, 4 miles south-west of Ono, Shasta County, California.

- hannai** Anderson, **Puzosia** (**Eocanadoceras**) Holotype 10805
1958, Geol. Soc. Amer., Mem. 71, p. 239, pl. 30, figs. 6-6C (6 June).
Upper Cretaceous, Turonian, 15.1 miles southeast of Beegum on road to
Rosewood across Dry Creek, Tehama County, California.
- harti** Smith, **Tirolites** Plasto-Holotype 11920
1932, U.S. Geol. Surv., Prof. Paper 167, p. 83, pl. 57, figs. 9-10.
Lower Triassic, *Tirolites* zone, Paris Canyon, 1½ miles west of Paris, Idaho.
- hartzelli** Smith, **Arcestes** (**Proarcestes**) Plasto-Holotype 11449
1914, U.S. Geol. Surv., Prof. Paper 83, p. 43, pl. 93, figs. 17-18.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- harveyi** Crickmay, **Paracadoceras** Plasto-Holotype 10408
1930, Nat. Mus. Canada Bull. 63, Geol. Ser. no. 51, p. 55, pl. 16, figs. 1-2; text fig. 2.
Upper Jurassic, ¼ mile from mouth of Deer Creek, Harrison Lake, British
Columbia, Canada.
- hatschekii** Diener, **Haydenites** Plasto-Plesiotypes 11677-11678
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 114, pl. 33, figs. 1-3.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Buena
Vista Canyon, West Humboldt Range, Nevada.
- hauchecornei** Mojsisovics, **Anatropites** Plasto-Plesiotype 10091
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 49, pl. 58, figs. 21-22.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California.
- haugi** Hyatt and Smith, **Parapopanoceras** Plasto-Hypotype 5968
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print
of pt. 2, p. 166, figs. 16, 25 (11 September).
Middle Triassic, Union Wash, Inyo Mountains, Inyo County, California.
- haugi** Hyatt and Smith, **Popanoceras** (**Parapopanoceras**)
Plasto-"Cotypes" [Syntypes] 11443-11444
1905, U.S. Geol. Surv., Prof. Paper 40, p. 71, pl. 76, figs. 1-4.
Middle Triassic, Union Wash, Inyo Range, Inyo County, California.
- haydeni** (Gabb), **Beudanticeras** Plesiotype 8800
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 190, pl. 48, figs. 2-3 (30 November).
Lower Cretaceous, near top of Horsetown Group, Horsetown, Shasta County,
California.
- haydenii** (Gabb), **Beudanticeras** [see *Desmoceras haydeni* Gabb]
Hypotype 5944
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 212, pl. 8, figs. 1-1A (6 June).
Upper Cretaceous, upper Albian, or lower Cenomanian, north fork of Cotton-
wood Creek, 0.6 miles above mouth of Hulen Creek, Shasta County,
California.

- haydeni** Smith, **Dagnoceras** Plasto-Holotype 11897
1932, U.S. Geol. Surv., Prof. Paper 167, p. 66, pl. 29, figs. 1-3.
Lower Triassic, *Meekoceras* zone, north end of Bear Lake, 1 mile east of Hot Springs, Idaho.
- haydeni** Gabb, **Desmoceras** [see *Beudanticeras haydenii*] Hypotype 5944
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 8 (11 September).
Lower Cretaceous, Horsetown, Shasta County, California.
- hayesi** Smith, **Sirenites** Plasto-Holotype 11114
1927, U.S. Geol. Surv., Prof. Paper 141, p. 82, pl. 103, figs. 7-8.
Upper Triassic, Karnic, middle fork of White River, near Skolai Pass, Alaska.
- hearni** Anderson, **Puzosia** (**Parapuzosia**) Holotype 10800
1958, Geol. Soc. Amer., Mem. 71, p. 238, pl. 38, figs. 1-1B (6 June).
Upper Cretaceous, upper Turonian, 8 miles northeast of Yreka, Siskiyou County, California.
- henleyense** Anderson, **Lytoceras** (**Tetragonites**) Holotype 10691
1958, Geol. Soc. Amer., Mem. 71, p. 185, pl. 12, figs. 5-5A, pl. 41, fig. 7 (6 June).
Upper Cretaceous, lower Coniacian, near Henley, Siskiyou County, California.
- henleyensis** Anderson, **Pachydiscus** Syntypes 22-22A
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 104, pl. 8, figs. 165-166 (24 December).
Cretaceous, lower Chico, Henley, Siskiyou County, California.
- herbichi** Mojsisovics, **Sagenites** (**Trachysagenites**)
Plasto-Plesiotypes 11039-11040
Smith, 1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 399, pl. 47, figs. 5-6 (29 July).
Upper Triassic, Karnic, *Tropites subbullatus* zone, Brock Mountain, 6 miles northeast of Winthrop, Shasta County, California.
- herbichi** Mojsisovics, **Sagenites** (**Trachysagenites**)
Plasto-Plesiotypes 11041-11045
Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 39, pl. 26, figs. 1-2; pl. 27, figs. 1-4; pl. 28, figs. 1-5.
Upper Triassic, Karnic, *Trachyceras* and *Juvavites* subzones of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- hermosus** Anderson, **Nautilus** (**Cymatoceras**) Holotype 10684
1958, Geol. Soc. Amer., Mem. 71, p. 179, pl. 64, fig. 5 (6 June).
Upper Cretaceous, Maestrichtian, Panoche Formation, 8 miles north of Coalinga, Fresno County, California.

- hersheyi** Smith, **Ceratites** (**Gymnotoceras**) Plasto-Holotype 11657
Plasto-Paratypes 11658–11659
1914, U.S. Geol. Surv., Prof. Paper 83, p. 110, pl. 93, figs. 1–8.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- hersheyi** Smith, **Cosmonautilus** Plasto-Holotype 11178
Plasto-Paratype 11179
1927, U.S. Geol. Surv., Prof. Paper 141, p. 104, pl. 89, figs. 1–6.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, north end and east side of Brock Mountain, Shasta County, California.
- hertleini** Wiedmann, **Gabbioceras** Holotype 8767
1962, Neues Jahrb. für Geol. u. Paläo., Abhandl., Bd. 115, no. 1, p. 16, pl. 1, fig. 3; text fig. 4 (April).
Lower Cretaceous, lower upper Aptian, Horsetown Group, east of Mitchell Creek, 5 miles south of Ono, Shasta County, California.
- hertleini** (Wiedmann), **Eogaudryceras** Hypotype 8811
Murphy, 1967, Univ. Calif. Publ. Geol. Sci., vol. 70, p. 9, pl. 1, fig. 4 (28 August).
Lower Cretaceous, Aptian, probably Cottonwood Creek, Shasta County, California.
- hesperium** Anderson, **Romaniceras** Plasto-Holotype 10815
1958, Geol. Soc. Amer., Mem. 71, p. 246, pl. 23, figs. 1–1A (6 June).
Upper Cretaceous, lower Turonian, Swede Creek, north of Oak Run, Shasta County, California.
- hesperius** Anderson, **Polyptychius** Holotype 8768
1938, Geol. Soc. Amer., Spec. Paper 16, p. 154, pl. 24, figs. 1–2 (30 November).
Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, head of Mitchell Creek, 4 miles southwest of Ono, Shasta County, California.
- hesperum** Anderson, **Shasticrioceras** Holotype 8909
Hypotype [Paratype] 8910–8910A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 204, pl. 56, figs. 1–2 (30 November).
Lower Cretaceous, *Mitchell* zone, lower Horsetown Group, south of Roaring River, Shasta County, California.
- hessi** Smith, **Clydonautilus** Plasto-Holotype 11192
1927, U.S. Geol. Surv., Prof. Paper 141, p. 107, pl. 88, figs. 15–17.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.
- hessi** Smith, **Tropites** Plasto-Holotype 10919
Plasto-Paratype 10920
1927, U.S. Geol. Surv., Prof. Paper 141, p. 37, pl. 73, figs. 1–6.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

Hibolites species Hypotype 5960

Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 20 (11 September).

Upper Jurassic, lower Knoxville series, 3 miles north of old Knoxville, Napa County, California.

hiltensis Anderson, **Prionotropis** Holotype 10837

1958, Geol. Soc. Amer., Mem. 71, p. 262, pl. 63, fig. 1 (6 June).

Upper Cretaceous, upper Turonian, west border of Cottonwood Valley, 3 miles north of Henley, Siskiyou County, California.

hindi Anderson, **Chelonicer** (**Prochelonicer**) Holotype 8849

Paratypes 8850-8851

1938, Geol. Soc. Amer., Spec. Paper 16, p. 179, pl. 51, figs. 1-3 (30 November).

Lower Cretaceous, near *Barr* zone, Horsetown Group, 1 mile above mouth of Fiddler Creek, near middle fork of Cottonwood Creek, 10 miles south of Ono, Shasta County, California.

hindi Anderson, **Puzosia** (**Parapuzosia**) Holotype 10799

1958, Geol. Soc. Amer., Mem. 71, p. 237, pl. 8, fig. 2 (6 June).

Upper Cretaceous, upper Cenomanian, about $\frac{1}{2}$ mile southeast of mouth of Hulen Creek, Shasta County, California.

hoffmannii Gabb, **Ammonites** Plasto-Syntypes 5860-5865, 5870

1864, Geol. Surv. Calif., Palaeont., vol. 1, sec. 4, p. 65.

Cretaceous, Cottonwood Creek, Shasta County, California.

hoffmannii Gabb, **Ammonites** Plasto-Plesiotype 5859

1868, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 131, pl. 20, figs. 8-8A.

Cretaceous, Cottonwood Creek, California.

hoffmanni (Gabb), **Puzosia** Lectotype 8837

Plesiotype [?Paralectotype] 8838

Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 186, pl. 45, figs. 1-2 (30 November).

Lower Cretaceous, upper Horsetown Group, Horsetown, Shasta County, California.

hooveri Hyatt and Smith, **Aspidites** Plasto-Holotype 11889

Plasto-Paratype 11890

1905, U.S. Geol. Surv., Prof. Paper 40, p. 153, pl. 17, figs. 1-6.

Lower Triassic, *Meekoceras* beds, Union Wash, Inyo Range, Inyo County, California.

howelli White, **Ammonites** (**Lillia**) Plasto-Holotype 10422

1889, U.S. Geol. Surv., Bull. 51, pt. 5, p. 68, pl. 12, figs. 1-2.

Jurassic, Kialagvik Bay, Alaska.

- huberti** Anderson, **Lytoceras** Holotype 10460-10460A
1945, Bull. Geol. Soc. Amer., vol. 56, p. 978, pl. 10, figs. 6A-B (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6 miles north of Winslow Bridge, Glenn County, California.
- hulenana** Anderson, **Pervinquieria** Holotype 8874
1938, Geol. Soc. Amer., Spec. Paper 16, p. 198, pl. 82, fig. 3 (30 November).
Lower Cretaceous, Hulen beds, upper Horsetown Group, Cottonwood Creek, Shasta County, California.
- hulenense** Anderson, **Beudanticeras** Holotype 8831
1938, Geol. Soc. Amer., Spec. Paper 16, p. 190, pl. 44, figs. 3-4 (30 November).
Lower Cretaceous, Neptune zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- humboldtensis** Hyatt and Smith, **Ceratites** Plasto-"Cotypes" | Syntypes | 11592-11595
Plasto-Paratype 11591
1905, U.S. Geol. Surv., Prof. Paper 40, p. 170, pl. 57, figs. 1-13.
Middle Triassic, *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- humboldtensis** Hyatt and Smith, **Ceratites** Plasto-Plesiotypes 11596-11600
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 99, pl. 61, figs. 1-15.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- humboldtensis** Smith, **Columbites** Plasto-Holotype 11434
Plasto-Paratype 11435
1914, U.S. Geol. Surv., Prof. Paper 83, p. 36, pl. 20, figs. 26-28; pl. 87, figs. 1-3.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, south fork of American Canyon, West Humboldt Range, Nevada.
- humboldtensis** Smith, **Nevadites** Plasto-Holotype 11712
Plasto-Paratypes 11713-11716
1914, U.S. Geol. Surv., Prof. Paper 83, p. 123, pl. 78, figs. 1-3; pl. 79, figs. 1-10.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- humboldtensis** Hyatt and Smith, **Placites** Plasto-Holotype 11086
1905, U.S. Geol. Surv., Prof. Paper 40, p. 107, pl. 56, figs. 10-12.
Upper Triassic, *Pseudomonotis* beds, Muttelberry Canyon, 8 miles southeast of Lovelock, West Humboldt Range, Nevada.
- hyatti** Meek, **Acrochordiceras** Plasto-"Cotypes" | Syntypes | 12048-12050
1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 124, pl. 11, figs. 5-5A.
Trias, New Pass, Desatoya Mountains, Nevada.
- hyatti** Anderson, **Coelopoceras** Holotype 10818
1958, Geol. Soc. Amer., Mem. 71, p. 249, pl. 19, figs. 1-1C (6 June).

Upper Cretaceous, Turonian or upper Cenomanian, 15.1 miles southeast of Beegum on road to Rosewood, Tehama County, California.

hyatti Smith, **Gonionotites** Plasto-Holotype 11002
Plasto-Paratypes 11003–11005

1927, U.S. Geol. Surv., Prof. Paper 141, p. 59, pl. 13, figs. 1–10.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

hyatti Smith, **Hedenstroemia** Plasto-Holotype 11904
1932, U.S. Geol. Surv., Prof. Paper 167, p. 78, pl. 27, figs. 13–15.

Lower Triassic, *Meckoceras* zone, 5 miles southeast of Grays Lake, Idaho.

hyatti Stanton, **Hoplites** Plasto-Holotype 10438
1895, U.S. Geol. Surv., Bull. 133, p. 79, pl. 16, fig. 2.

Lower Cretaceous, upper Knoxville beds, on road to nickel mines west of Riddles, Oregon.

hyatti Smith, **Nevadites** [see *Trachyceras hyatti*] Plasto-Plesiotypes 11710–11711

1914, U.S. Geol. Surv., Prof. Paper 83, p. 124, pl. 77, figs. 1–5.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

hyatti Smith, **Trachyceras (Anolcites)** [see *Nevadites hyatti*] Plasto-Holotype 11708
Plasto-Paratype 11709

1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 389, pl. 43, fig. 12, pl. 45, figs. 1–2.

Middle Trias, *Daonella* beds, on divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

I

idahoensis Kummel, **Pleuromutilus** Plasto-Holotype 11984
Plasto-Paratype 11985
Plasto-Plesiotype [Paratype] 11986

1953, U.S. Geol. Surv., Prof. Paper 250, p. 37, pl. 4, figs. 2–4; text fig. 17.

Lower Triassic, *Columbites* zone: Thaynes Formation, Hot Springs, Idaho;
Upper Shale, Montpelier Canyon, Bear Lake County, Idaho.

illyricus Mojsisovics, **Tirolites** Plasto-Plesiotype 11923
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 84, pl. 49, figs. 12–13.

Lower Triassic, *Columbites* zone 1 mile west of Paris, Idaho.

imitator Anderson, **Hamites** Holotype 8914

1938, Geol. Soc. Amer., Spec. Paper 16, p. 218, pl. 21, figs. 3–3A; pl. 43, figs. 4–5 (30 November).

Lower Cretaceous, Perrin zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.

imlayi Westermann, **Erycites** Hypotype 12605

1964, Bull. Amer. Paleont., vol. 47, no. 216, p. 452, pl. 75, figs. 3A-C (28 August).

Middle Jurassic, lower Bajocian (Aalenian), type locality of Kialagvik Formation, west shore of Wide Bay just south of mouth of Pass Creek, Alaska Peninsula.

impressa (Gabb), **Acroteuthis** Plesiotype 8941

Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 225, pl. 81, fig. 6 (30 November).

Lower Cretaceous, Mitchell zone, lower Horsetown Group, Mitchell Creek, 6 miles south of Ono, Shasta County, California.

impressus Gabb, **Belemnites** [see *Acroteuthis impressa*]

Plasto-Holotype 8976

1864, Geol. Surv. Calif., Palacont., vol. 1, p. 58, pl. 9, figs. 2-2A.

Cretaceous, north fork of Cottonwood Creek, southwest of Horsetown, Shasta County, California.

inane (Stoliczka), **Desmoceras** (**Latidorsella**) Hypotype 10781A

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 215, pl. 10, figs. 3-3A (6 June).

Upper Cretaceous, lower Cenomanian, Dry Creek, 4.6 miles west of Rosewood, Tehama County, California.

inlytum (Fucini), **Fuciniceras** cf. **F.** Hypotypes 12792A-12793

Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 41, pl. 8, figs. 15, 18-19, 22.

Lower Jurassic, Nicely shale, southeast slope of Morgan Mountain, Izee quadrangle; Suplee Formation, Delintment Lake quadrangle, Grant County, Oregon.

indigenes Anderson, **Melchiorites** Plesiotypes 8846-8847

1938, Geol. Soc. Amer., Spec. Paper 16, p. 184, pl. 67, fig. 3; pl. 68, fig. 2 (30 November).

Lower Cretaceous, upper Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

indra Forbes, **Ammonites** Plasto-Hypotype 8886

Whiteaves, 1879, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 2, p. 105, pl. 13, figs. 2-2A (6 May).

Cretaceous, northwest side of Hornby Island, Strait of Georgia, British Columbia, Canada.

inermis Anderson, **Scaphites** Plasto-Neotype 10823

Plasto-Neoparatypes 10824-10825

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 251, pl. 27, figs. 1-1C (6 June).

Upper Cretaceous, Turonian, Redding quadrangle, Shasta County, California.

inflata (Sowerby), **Pervinquieria** aff. **P.** Hypotype 10829

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 258, pl. 8, fig. 6 (6 June).

Upper Cretaceous, upper Albian, north branch of Waltham Creek, 1.6 miles east of Parkfield Road, Fresno County, California.

inflatum Anderson, **Shastrioceras** Holotype 8933-8933A
1938, Geol. Soc. Amer., Spec. Paper 16, p. 205, pl. 56, figs. 3-4; pl. 58, fig. 4 (30 November).

Lower Cretaceous, Mitchell zone, $\frac{1}{2}$ mile northwest of Barr's corral, 6 miles south of Ono, Shasta County, California.

inornatus Meek, **Baculites** [see *B. ovatoides*] Plesiotype 4258
Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 24, pl. 8, figs. 1-2 (23 December).

Cretaceous, Santa Catarina Landing, Baja California, Mexico.

inornatus Meek, **Baculites** Hypotypes 10705-10706
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 190, pl. 48, figs. 2-3 (6 June).

Upper Cretaceous, Sucia Islands, Strait of Georgia, Washington.

intermittens Mojsisovics, **Juvavites (Anatomites)**
Plasto-Plesiotypes 11021-11022

Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 57, pl. 19, figs. 6-10.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

intermontanum Hyatt and Smith, **Pseudosageceras** [see *P. multilobatum*]
Plasto-Holotype 11942

1905, U.S. Geol. Surv., Prof. Paper 40, p. 99, pl. 4, figs. 1-3; pl. 5, figs. 1-6; pl. 63, figs. 1A-2C.

Lower Triassic, *Meckoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho; Union Wash, Inyo Range, Inyo County, California; 1 mile west of Paris, Idaho.

intermontanus Smith, **Xenodiscus** Plasto-Holotype 11788
Plasto-Paratype 11789

1932, U.S. Geol. Surv., Prof. Paper 167, p. 44, pl. 24, figs. 10-13.

Lower Triassic, *Meckoceras* zone, head of Slug Creek, Aspen Mountains, 14 miles east of Soda Springs, Idaho.

inyoense Smith, **Acrochordiceras** Plasto-Holotype 11441
Plasto-Paratype 11442

1914, U.S. Geol. Surv., Prof. Paper 83, p. 40, pl. 34, figs. 11-13.

Middle Triassic, Union Wash, Inyo Range, Inyo County, California.

irregulare Anderson, **Cheloniceris** Holotype 8853-8853A
Plasto-Holotype 8853B

1938, Geol. Soc. Amer., Spec. Paper 16, p. 178, pl. 46, figs. 2-4 (30 November).

Lower Cretaceous, upper Horsetown Group, west branch of Hulen Creek, $1\frac{1}{2}$ miles above mouth, Shasta County, California.

- irregulare** Anderson, **Hyphantoceras** Holotype 10752
 1958, Geol. Soc. Amer., Mem. 71, p. 210, pl. 20, figs. 5-6 (6 June).
 Upper Cretaceous, Turonian, 49-Mine, near Phoenix, Jackson County,
 Oregon.
- ishikawai** Jimbo, **Desmoceras** Plasto-Plesiotype 5074
 Waring, 1914, Calif. State Mining Bur., Map Folio, Bull. 69, text inside front cover,
 pl. 1, fig. 6 (October).
 Middle Cretaceous, upper Horsetown Formation, Texas Springs, Shasta
 County, California.
- italicum** (Meneghini), **Prodactylioceras** cf. **P.** Hypotype 12811
 Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 28, pl. 2, figs. 15-16.
 Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County,
 Oregon.

J

- jacksonense** Anderson, **Lytoceras** (**Tetragonites**) Holotype 44
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 82, pl. 5, figs. 124-125 (24
 December).
 Cretaceous, lower Chico, 49-Mine, near Phoenix, Jackson County, Oregon.
- jacksonense** Anderson, **Oregoniceras** Holotype 10849
 Paratypes 10850-10852
 1958, Geol. Soc. Amer., Mem. 71, p. 267, pl. 25, figs. 1-2A, 4-5 (6 June).
 Upper Cretaceous, 49-Mine, 2 miles south of Phoenix, Jackson County,
 Oregon.
- jacksoni** Hyatt and Smith, **Meekoceras** (**Prionolobus**)
 Plasto-Holotype 11805
 Plasto-Paratypes 11806-11808
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 151, pl. 62, figs. 11-18.
 Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.
- jacobus** Johnston, **Joannites** Plasto-Holotype 11372
 Plasto-Paratypes 11373-11383
 1941, Jour. Paleont., vol. 15, no. 5, p. 477, pl. 62, figs. 6-7; pl. 63, fig. 4; pl. 64, figs. 1-7;
 pl. 65, figs. 1-3; pl. 69, fig. 6; pl. 70, figs. 1-2; pl. 71, figs. 1-2; text figs. 3A-E
 (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon,
 New Pass Range, Nevada.
- jenkinsi** Anderson, **Aulacosphinctes** Holotype 8712
 Plasto-Holotype 8712A
 Paratype 8713
 Plasto-Paratype 8713A
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 979, pl. 13, figs. 3A-B (October).

Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, Glenn County, California.

jenkinsi Anderson, **Neocomites** Holotype 8775
1938, Geol. Soc. Amer., Spec. Paper 16, p. 165, pl. 29, fig. 1 (30 November).

Lower Cretaceous, Zone N, Paskenta Group, McCarthy Creek, 3 miles north of Paskenta, Tehama County, California.

jenkinsi Anderson, **Neocomites** (**Steueroceras**) Hypotypes 7735-7735A
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 61-6 (11 September).

Lower Cretaceous, Shasta series, McCarthy Creek, Tehama County, California.

jillsoni Anderson, **Oregoniceras** Holotype 10845
1958, Geol. Soc. Amer., Mem. 71, p. 267, pl. 19, figs. 6-6A (6 June).

Upper Cretaceous, 49-Mine, 2 miles south of Phoenix, Jackson County, Oregon.

jimboi Anderson, **Diplomoceras** Holotype 10726
1958, Geol. Soc. Amer., Mem. 71, p. 199, pl. 68, figs. 5-5A (6 June).

Upper Cretaceous, Maestrichtian, Moreno Formation, Los Gatos Creek, near Coalinga, Fresno County, California.

jimboi Anderson, **Puzosia** Holotype 8819
Paratype 8820

1938, Geol. Soc. Amer., Spec. Paper 16, p. 188, pl. 42, figs. 5-7 (30 November).

Lower Cretaceous, Cenomanian, Jackass Flat, 1 mile east of Horsetown, Shasta County, California.

johnsoni Smith, **Tropites** Plasto-Holotype 10912
Plasto-Paratype 10913

1927, U.S. Geol. Surv., Prof. Paper 141, p. 36, pl. 74, figs. 10-15.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

johnstoni Kummel, **Germanonutilus** Plasto-Holotype 11976
1953, U.S. Geol. Surv., Prof. Paper 250, p. 30, pl. 3, figs. 14-15, text fig. 13.

Upper Triassic, Star Peak Formation, South Canyon, New Pass, Desatoya Range, Nevada.

jokelyi Hauer, **Margarites** Plasto-Plesiotype 10987
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 48, pl. 58, figs. 24-25.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

judicarium Mojsisovics, **Trachyceras** Plasto-Plesiotypes 12042-12043
Meek, 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 118, pl. 11, figs. 1-1A.

Triassic, Cottonwood Canyon, West Humboldt Range, Nevada.

- jugalis** Gabb. **Ammonites** Plasto-Syntypes 5871–5875
1869, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 133, pl. 22, figs. 13–13A.
Cretaceous, Martinez and Benicia, California.
- jupiter** Anderson, **Thurmannia** Holotype 8792
1938, Geol. Soc. Amer., Spec. Paper 16, p. 162, pl. 31, fig. 1 (30 November).
Lower Cretaceous, Hamlin-Broad zone, Paskenta Group, 3 miles southwest
of Ono, Shasta County, California.
- K*
- karpinskyi** Smith, **Ceratites** Plasto-Holotype 11601
Plasto-Paratype 11602
1914, U.S. Geol. Surv., Prof. Paper 83, p. 100, pl. 44, figs. 4–6, 9–10.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- keili** Mojsisovics, **Tropites** Plasto-Plesiotype 10892
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 33, pl. 72, figs. 24–26.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Brock Mountain, Shasta County, California.
- kellyi** Smith, **Choristoceras** Plasto-Holotype 11159
1927, U.S. Geol. Surv., Prof. Paper 141, p. 97, pl. 59, figs. 1–3.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California.
- kellyi** Smith, **Juvavites** Plasto-Holotype 10998
Plasto-Paratype 10999
1927, U.S. Geol. Surv., Prof. Paper 141, p. 55, pl. 18, figs. 8–13.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California.
- kellyi** Smith, **Klamathites** Plasto-Holotype 11087
Plasto-Paratype 11088
1927, U.S. Geol. Surv., Prof. Paper 141, p. 74, pl. 63, figs. 1–5.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Brock Mountain, Shasta County, California.
- kellyi** Smith, **Tropites** Plasto-Holotype 10901
1927, U.S. Geol. Surv., Prof. Paper 141, p. 34, pl. 77, figs. 12–15.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Brock Mountain, Shasta County, California.
- kernense** Anderson, **Didymoceras** Plasto-Holotype 10719
1958, Geol. Soc. Amer., Mem. 71, p. 196, pl. 65, figs. 1–2 (6 June).
Upper Cretaceous, deep well in Honolulu Lease, Buena Vista Hills, Kern
County, California.

- kernense** Anderson, **Lytoceras** (**Tetragonites**) Holotype 10696
Paratype 10697
1958, Geol. Soc. Amer., Mem. 71, p. 187, pl. 32, fig. 4; pl. 73, fig. 6 (6 June).
Upper Cretaceous, lower Senonian (Coniacian), south border of Antelope Valley, Kern County, California.
- kernensis** Anderson, **Acroteuthis** Holotype 8937
Virtual Paratypes 8938–8939
1938, Geol. Soc. Amer., Spec. Paper 16, p. 226, pl. 80, fig. 5 (30 November).
Lower Cretaceous, Paskenta Group, northeast slope of Orchard Peak, Kern County, California; 2000 feet west of Lowry Road, on McCarthy Creek, Tehama County, California.
- kerniana** Anderson and Hanna, **Aturia** Holotype 881
1925, Occ. Papers Calif. Acad. Sci., vol. 11, p. 49, text figs. 1–2, pl. 6, fig. 8 (18 March).
Eocene, Type Tejon Formation, Grapevine Canyon, Kern County, California.
- kerniana** Anderson and Hanna, **Aturia** Plesiotype 5222
Schenk, 1931, Univ. Calif. Publ., Bull. Dept. Geol. Sci., vol. 19, no. 19, p. 456, pl. 66, fig. 3; text figs. 4–14 (21 January).
Eocene, Type Tejon Formation, Grapevine Canyon, Kern County, California.
- kewana** Anderson, **Acroteuthis** Holotype 8935
1938, Geol. Soc. Amer., Spec. Paper 16, p. 227, pl. 24, figs. 3–4 (30 November).
Lower Cretaceous, Paskenta Group, Honda Creek, 3.3 miles west of Lompoc, at west end of Santa Ynez Range, Santa Barbara County, California.
- kialagvikensis** White, **Ammonites** (**Lillia**) Plasto-Syntype 10434
1889, U.S. Geol. Surv., Bull. 51, pt. 5, p. 69, pl. 13, fig. 7.
Jurassic, Kialagvic Bay, southern side of Alaskan Peninsula.
- kingi** Smith, **Arpadites** Plasto-Holotype 11151
1927, U.S. Geol. Surv., Prof. Paper 141, p. 94, pl. 57, figs. 31–32.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.
- kingi** Smith, **Ceratites** Plasto-Holotype 11536
Plasto-Paratypes 11537–11538
1914, U.S. Geol. Surv., Prof. Paper 83, p. 85, pl. 41, figs. 1–6.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- klamathense** Smith, **Choristoceras** Plasto-Holotype 11161
1927, U.S. Geol. Surv., Prof. Paper 141, p. 97, pl. 59, figs. 12–13.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

- klamathensis** Anderson, **Fagesia** Holotype 10821
 1958, Geol. Soc. Amer., Mem. 71, p. 248, pl. 28, figs. 3-3A (6 June).
 Upper Cretaceous, upper Turonian, $\frac{1}{2}$ mile west of Henley, Siskiyou County,
 California.
- klamathonae** Anderson, **Cylindroteuthis** Holotype 8959
 Virtual Paratypes 8960-8961
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 988, pl. 8, fig. 4 (October).
 Upper Jurassic, Tithonian, Newville Group, Watson Creek, 6 miles north of
 Winslow Bridge, Glenn County, California.
- klamathonae** Anderson, **Puzosia (Parapuzosia)** Holotype 10787
 1958, Geol. Soc. Amer., Mem. 71, p. 237, pl. 5, figs. 1-1A (6 June).
 Upper Cretaceous, Turonian, Roaring River, Shasta County, California.
- klamathonis** Anderson, **Nowakites** Holotype 10792
 Paratype 10793
 1958, Geol. Soc. Amer., Mem. 71, p. 230, pl. 35, fig. 1-1B (6 June).
 Upper Cretaceous, Coniacian-Emscherian, 4 miles north of Montague,
 Siskiyou County, California.
- kleinsorgensis** Anderson, **Kossmatia** Holotype 8711-8711D
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 982, pl. 2, figs. 3A-3B (October).
 Upper Jurassic, Portlandian, 1 mile east of Kleinsorg chromite mine near
 upper branch of south fork of Elder Creek, Tehama County, California.
- knechti** Hyatt and Smith, **Lecanites** Plasto-Holotype 11782
 Plasto-Paratype 11783
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 138, pl. 9, figs. 11-16.
 Lower Triassic, *Meckoceras* zone, Union Wash, Inyo Range, Inyo County,
 California.
- knechti** Hyatt and Smith, **Lecanites (Paralecanites)** Plasto-Plesiotype 11784
 Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 41, pl. 28, figs. 1-3.
 Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Mountains, 9 miles
 east of Soda Springs, Idaho.
- knighteni** (Anderson), **Oregoniceras** Hypotypes 10842-10843
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 264, pl. 24, figs. 5A-5B; pl. 33, figs. 1-2
 (6 June).
 Upper Cretaceous, upper Turonian, 49-Mine, 2 miles south of Phoenix,
 Jackson County, Oregon.
- knighteni** Anderson, **Schloenbachia** Holotype 29A
 Paratypes 49-49A
 Hypotype [Paratype] 30
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 119, pl. 1, figs. 1-3; pl. 2,
 fig. 40 (24 December).
 Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.

- knighti** Smith, **Tirolites** Plasto-Holotype 11924
Plasto-Paratype 11925
1932, U.S. Geol. Surv., Prof. Paper 167, p. 84, pl. 57, figs. 1-4.
Lower Triassic, *Tirolites* zone, 1½ miles west of Paris, Idaho.
- knowltoni** Smith, **Juvavites** Plasto-Holotype 11000
Plasto-Paratype 11001
1927, U.S. Geol. Surv., Prof. Paper 141, p. 55, pl. 15, figs. 16-19.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.
- knoxvillense** Stanton, **Phylloceras** Hypotype 8735
Anderson, 1945, Bull. Geol. Soc. Amer., vol. 56, p. 976, pl. 11, fig. 5 (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6½ miles north of Winslow Bridge, Glenn County, California.
- knoxvillensis** Anderson, **Cylindroteuthis** Holotype 8962
Paratype 8963
1945, Bull. Geol. Soc. Amer., vol. 56, p. 987, pl. 9, fig. 2; pl. 10, fig. 4 (October).
Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6½ miles north of Winslow Bridge, Glenn County, California.
- knoxvillensis** Stanton, **Phylloceras** Plasto-Holotype 10409
1895, U.S. Geol. Surv., Bull. 133, p. 72, pl. 14, figs. 1-2.
Lower Cretaceous, Knoxville, south fork of Elder Creek, Tehama County, California.
- koeneni** Hyatt and Smith, **Owenites** Plasto-Holotype 12071
Plasto-Paratype 12072
1905, U.S. Geol. Surv., Prof. Paper 40, p. 83, pl. 10, figs. 1-6.
Lower Triassic, *Meckoceras* beds, Union Wash, Inyo Range, Inyo County, California.
- koeneni** Hyatt and Smith, **Owenites** Plasto-Hypotype 5953
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 166; text figs. 60-5, 60-9 ((11 September).
Lower Triassic, Union Wash, Inyo Mountains, Inyo County, California.
- kokeni** Smith, **Tropites** Plasto-Holotype 10907
Plasto-Paratypes 10908-10909
1927, U.S. Geol. Surv., Prof. Paper 141, p. 35, pl. 76, figs. 1-7.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.
- komincki** Mojsisovics, **Juvavites (Anatomites)** Plasto-Plesiotypes 11023 11025
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 57, pl. 19, figs. 14-18.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

- kossmati** Hyatt and Smith, **Hedenstroemia** Plasto-Holotype 11905
Plasto-Paratypes 11906-11907
1905, U.S. Geol. Surv., Prof. Paper 40, p. 101, pl. 67, figs. 3-7; pl. 84, figs. 1-6.
Lower Triassic, *Meekoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.
- kossmati** (Nowak), **Sciponoceras** Hypotypes 12150-12151
1959, Matsumoto, Mem. Fac. Sci., Kyushu Univ., Ser. D, Geol., vol. 8, no. 4, p. 106, pl. 31, figs. 2A-3; text figs. 5A-6B (25 March).
Upper Cretaceous, Arroyo del Valle, 1 mile south of aqueduct, Alameda County, California.
- krafftii** Smith, **Juvenites** Plasto-Paratype 12109
1927, U.S. Geol. Surv., Prof. Paper 141, p. 23, pl. 21, fig. 7.
Lower Triassic, *Meekoceras* zone, Warm Springs, northeast end of Bear Lake, Idaho.
- kunae** McLearn, **Fanninoceras** Hypotypes 12796-12797
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 44, pl. 8, figs. 27-29.
Lower Jurassic, Nicely shale, west side of ridge about 500 feet southeast of Jim Robertson's ranchhouse, Delintment Lake quadrangle, Grant County, Oregon; about 100 feet south of road from Suplee to Izee and 300 feet east of Freeman Creek, Delintment Lake quadrangle, Grant County, Oregon.
- L
- laevidorsatus** Hauer, **Clydonites** Plasto-"Cotypes" [Syntypes] 12033-12035
Meek, 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palacont., pt. 1, p. 109, pl. 10, figs. 7-7A.
Upper Triassic, St. Cassian beds, north fork of Buena Vista Canyon, Humboldt Range, Nevada.
- laevis** Welter, **Aspenites** Plasto-Plesiotype 11930
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 86, pl. 28, figs. 28-30.
Lower Triassic, *Meekoceras* zone, 5 miles east of Grays Lake, Idaho.
- laevis** Smith, **Paratropites (Gymnotropites)** Plasto-Holotype 10980
Plasto-Paratype 10981
1927, U.S. Geol. Surv., Prof. Paper 141, p. 46, pl. 25, figs. 16-20.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- lahontanum** Smith, **Eutomoceras** Plasto-Holotype 11490
1914, U.S. Geol. Surv., Prof. Paper 83, p. 63, pl. 28, figs. 8-11.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- lahontanum** Smith, **Trachyceras (Protrachyceras)** Plasto-Holotype 11745
Plasto-Paratype 11746
1914, U.S. Geol. Surv., Prof. Paper 83, p. 135, pl. 85, figs. 1-5.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- lahontanus** Smith, **Tropigastrites** Plasto-Holotype 11408
Plasto-Paratypes 11409-11410
1914, U.S. Geol. Surv., Prof. Paper 83, p. 28, pl. 19, figs. 14-19A.
Middle Triassic, *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- laqueum** Anderson, **Hyphantoceras** Holotype 10748
1958, Geol. Soc. Amer., Mem. 71, p. 210, pl. 31, fig. 3 (6 June).
Upper Cretaceous, probably Turonian, southwest branch of Cortina Creek, 1 mile north of Rumsey, Colusa County, California.
- latus** Gabb, **Crioceras** Plasto-Holotype 8876
1864, Geol. Surv. Calif., Palaeont., vol. 1, p. 76, pl. 14, fig. 25B; pl. 15, figs. 25-25A.
Cretaceous, in Trinity River near Weaverville, Trinity County, California.
- laubei** Meek, **Eutomoceras** Plasto-"Cotypes" [Syntypes] 12060-12061
1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 126, pl. 10, figs. 8-8A.
Triassic, New Pass, Desatoya Mountains, Nevada.
- laubei** Meek, **Eutomoceras** Plasto-Plesiotypes 11491-11497
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 63, pl. 10, figs. 7-11; pl. 26, figs. 7-9; pl. 27, figs. 1-4; pl. 90, figs. 1-4.
Middle Triassic, *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon; Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- laurae** (Mojsisovics), **Discotropites** Plasto-Plesiotypes 10936-10938
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 42, pl. 11, figs. 8-13.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.
- lawsoni** Smith, **Ceratites (Philippites)** Plasto-Holotype 11637
Plasto-Paratypes 11638-11643
1914, U.S. Geol. Surv., Prof. Paper 83, p. 108, pl. 56, figs. 1-13; pl. 57, figs. 1-9.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- lawsoni** Smith, **Hauerites** Plasto-Holotype 11082
1927, U.S. Geol. Surv., Prof. Paper 141, p. 72, pl. 63, figs. 22-24.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, near old stone quarry, Brock Mountain, Shasta County, California.

- lawsoni** Hyatt and Smith, **Sirenites** Plasto-Holotype 11112
Plasto-Paratype 11113
1905, U.S. Geol. Surv., Prof. Paper 40, p. 198, pl. 46, figs. 16-17; pl. 47, figs. 1-6.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.
- lecontei** Anderson, **Acanthoceras** Plasto-Holotype 10807
1958, Geol. Soc. Amer., Mem. 71, p. 242, pl. 13, figs. 1-1A (6 June).
Upper Cretaceous, Cenomanian, 1 mile southeast of Crockett, Contra Costa County, California.
- lecontei** (Anderson), **Cleoniceras** Plesiotypes 8868-8869
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 192, pl. 47, figs. 4-5 (30 November).
Lower Cretaceous, Perrin zone, east branch of Hulen Creek, Shasta County, California.
- lecontei** (Anderson), **Cleoniceras** cf. Hypotype 8843
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 265, pl. 20, fig. 8 (30 November).
Lower Cretaceous, Perrin zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- lecontei** Anderson, **Desmoceras** Plasto-Holotype 8814
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 95, pl. 3, figs. 94-95; pl. 10, fig. 190 (24 December).
Cretaceous, Horsetown beds, little to the east of Hulen Creek, Shasta County, California.
- lecontei** Anderson, **Polyptychites** Holotype 8762
Paratype 8763
1938, Geol. Soc. Amer., Spec. Paper 16, p. 154, pl. 22, fig. 1; pl. 23, fig. 1 (30 November).
Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, 4 miles southwest of Ono, Shasta County, California.
- lecontei** Hyatt and Smith, **Trachyceras** Plasto-Hypotype 379
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 166, figs. 60-4, 60-12 (11 September).
Upper Triassic, Hosselkus limestone, Brock Mountain, Shasta County, California.
- lecontei** Hyatt and Smith, **Trachyceras** (**Protrachyceras**) Plasto-Holotype 11090
Plasto-Paratypes 11091-11092
1905, U.S. Geol. Surv., Prof. Paper 40, p. 194, pl. 44, figs. 1-2; pl. 45, figs. 1-9.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, between Squaw Creek and Pit River, Shasta County, California.

- lecontei** Hyatt and Smith, **Trachyceras (Protrachyceras)** Plasto-Plesiotype 11093
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 78, pl. 6, fig. 1.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- liebigi** (Oppel), **Lytoceras aff. L.** Hypotype 10461
 Anderson, 1945, Bull. Geol. Soc. Amer., vol. 56, p. 977, pl. 14, fig. 1 (October).
 Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, 6½ miles north of Winslow Bridge, Glenn County, California.
- ligatus** Smith, **Columbites** Plasto-Holotype 12087
 Plasto-Paratypes 12088-12089
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 106, pl. 47, figs. 1-8.
 Lower Triassic, *Columbites* zone, Paris Canyon, 1 mile west of Paris, Idaho.
- lindgreni** Smith, **Anasibirites** Plasto-Holotype 11901
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 73, pl. 53, figs. 13-15.
 Lower Triassic, *Owenites* subzone of *Meckoceras* zone, Union Wash, Inyo Range, about 15 miles southeast of Independence, Inyo County, California.
- lindgreni** Smith, **Trachyceras (Protrachyceras)** Plasto-Holotype 11097
 Plasto-Paratype 11098
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 80, pl. 3, figs. 1-6.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- lineatus** Gabb, ?**Ancyloceras** Plasto-Syntype 5880
 1868, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 139 (December).
 Cretaceous, Shasta Group (?), Cottonwood Creek, Shasta County, California.
- lineatus** Smith, **Discotropites** Plasto-Holotype 10926
 Plasto-Paratypes 10927-10928
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 41, pl. 10, figs. 20-24.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.
- lomaensis** Anderson, **Baculites** Holotype 10709
 Paratypes 10710-10711
 1958, Geol. Soc. Amer., Mem. 71, p. 191, pl. 48, figs. 5-6 (6 June).
 Upper Cretaceous, upper Campanian, upper Panoche Formation, San Joaquin Ridge, 11 miles north of Coalinga, Fresno County, California.
- londerbacki** Hyatt and Smith, **Sibyllites** Plasto-Holotype 11411
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 58, pl. 74, figs. 10-12.
 Middle Triassic, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

louderbacki Hyatt and Smith, **Tropigastrites**

Plasto-Plesiotypes 11412-11413

Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 29, pl. 18, figs. 3-6; pl. 88, figs. 4-5.

Middle Triassic, *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada; Fossil Hill, West Humboldt Range, Nevada.**lucasi** Imlay, **Hollisites**

Plasto-Holotype 10865

1957, Jour. Wash. Acad. Sci., vol. 47, no. 8, p. 276; text figs. 1-2 (August).

Lower Cretaceous, probably middle Hauterivian, south side of Rogue River, 1½ miles below Agness, Curry County, Oregon.

lupheri Imlay, **Arieticerias**

Holotype 12800

Paratypes 12801-12805

1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 34, pl. 4, figs. 16-28.

Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County, Oregon.

*M***macarthyensis** Anderson, **Acroteuthis**

Holotype 8940

1938, Geol. Soc. Amer., Spec. Paper 16, p. 230, pl. 83, figs. 6-6a (30 November).

Lower Cretaceous, near base of Paskenta Group, McCarthy Creek, Tehama County, California.

maclurei White, **Ammonites**

Plasto-Holotype 10423

1889, U.S. Geol. Surv., Bull. 51, pt. 3, p. 48, pl. 7, figs. 2-3.

Cretaceous, Sucia Islands, Strait of Georgia, Washington.

macfarlandi Anderson, **Parahoplites**

Holotype 8796

1938, Geol. Soc. Amer., Spec. Paper 16, p. 170, pl. 35, fig. 1 (30 November).

Lower Cretaceous, probably Shoup zone, Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

madisonense Smith, **Trachyceras (Protrachyceras)** Plasto-Holotype 11101

Plasto-Paratypes 11102-11103

1927, U.S. Geol. Surv., Prof. Paper 141, p. 80, pl. 6, figs. 2-6.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.**major** Anderson, **Cyrtochilus**

Holotype 10701

1958, Geol. Soc. Amer., Mem. 71, p. 189, pl. 38, fig. 6 (6 June).

Upper Cretaceous, upper Albian, Hayes Gulch, 2 miles northwest of Gas Point, Cottonwood district, Shasta County, California.

major Smith, **Polycylus**

Plasto-Holotype 11160

1927, U.S. Geol. Surv., Prof. Paper 141, p. 97, pl. 58, figs. 30-32.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

- mammillatum** (Schlotheim), **Douvilleiceras** cf. **D.** Plasto-Hypotype 10473
Schlocker, Bonilla, and Imlay, 1954, Bull. Amer. Assoc. Petrol. Geol., vol. 38, no. 11,
p. 2376, pl. 1, figs. 1-5 (November).
Lower Cretaceous, Albian, Franciscan Group, bordering South Bay part of
Golden Gate Channel, San Francisco County, California.
- mammillatum** (Schlotheim), **Douvilleiceras** aff. Hypotype 8788
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 174, pl. 36, fig. 3 (30 November).
Lower Cretaceous, upper Horsetown Group, east branch of Hulen Creek,
Shasta County, California.
- marcoui** Hyatt and Smith, **Xenaspis** Plasto-"Cotype" [Syntype] 11802
1905, U.S. Geol. Surv., Prof. Paper 40, p. 116, pl. 7, fig. 26.
Lower Triassic, *Meekoceras*, Union Wash, Inyo Range, Inyo County, Cali-
fornia.
- martini** Smith, **Cladiscites** Plasto-Holotype 11077
1927, U.S. Geol. Surv., Prof. Paper 141, p. 70, pl. 102, figs. 17-20.
Upper Triassic, Karnic, Yukon River, $\frac{1}{2}$ mile northeast of mouth of Nation
River, Alaska.
- meeki** Mojsisovics, **Ceratites** (**Gymnotoceras**) Plasto-Plesiotypes 11660-11665
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 111, pl. 69, figs. 1-16.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American
Canyon, West Humboldt Range, Nevada.
- meeki** Mojsisovics, **Trachyceras** (**Anolcites**) Plasto-Hypotype 11736
Smith, 1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 390, pl. 45, fig. 4.
Middle Triassic, *Daonella* beds, divide between Troy Canyon and south fork
of American Canyon, West Humboldt Range, Nevada.
- meeki** Mojsisovics, **Trachyceras** (**Protrachyceras**) Plasto-Plesiotypes 11748-11750
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 135, pl. 9, figs. 1-2; pl. 11, figs. 1-3; pl.
78, figs. 4-7.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American
Canyon, West Humboldt Range, Nevada; Cottonwood Canyon, near
Lucky Dog Mine, West Humboldt Range, Nevada.
- mendenhalli** Smith, **Cladiscites** Plasto-Holotype 11078
1927, U.S. Geol. Surv., Prof. Paper 141, p. 70, pl. 102, figs. 21-24.
Upper Triassic, Karnic, Canning River, Alaska.
- mendenhalli** Smith, **Juvavites** (**Anatomites**) Plasto-Holotype 11026
Plasto-Paratype 11027
1927, U.S. Geol. Surv., Prof. Paper 141, p. 57, pl. 15, figs. 9-13.
Upper Triassic, *Juvavites* subzone of *Tropitces subbullatus* zone, Hosselkus
limestone, Bear Cove, Brock Mountain, Shasta County, California.

- meneghini** (Fucini), **Prodictyloceras** cf. **P.** Hypotypes 12783 12784
 Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 29, pl. 2, figs. 21-22.
 Lower Jurassic, Suplee Formation, Nicely shale, north side of Bear Valley,
 Seneca quadrangle; Delintment Lake quadrangle, Grant County, Oregon.
- mercedense** Anderson, **Diplomoceras** Holotype 10727
 Plasto-Paratype 10728
 1958, Geol. Soc. Amer., Mem. 71, p. 200, pl. 64, figs. 1-2A (6 June).
 Upper Cretaceous, Maestrichtian, Moreno Formation, 1 mile south of Orti-
 galita Creek, Merced County, California.
- mercurialis** Anderson, **Belemnopsis** Holotype 8972
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 990, pl. 1, figs. 2A-C (October).
 Upper Jurassic, Newville Group, 3 miles north of Old Knoxville mining
 camp, Napa County, California.
- merriami** Hyatt and Smith, **Californites**
 Plasto-"Cotype" [Syntype] 11148
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 180, pl. 82, figs. 11-14.
 Upper Triassic, *Tropites subbullatus* zone, divide between Squaw Creek and
 Pit River, Shasta County, California.
- merriami** (Anderson), **Desmoceras** (**Latidorsella**)
 Topotypes or Hypotypes 8826-8827
 Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 181, pl. 43, figs. 1-2 (30 November).
 Lower Cretaceous, Neptune zone, upper Horsetown Group, east branch of
 Hulén Creek, Shasta County, California.
- merriami** Smith, **Nevadites** Plasto-Holotype 11717
 Plasto-Paratypes 11718-11721
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 125, pl. 75, figs. 1-11; pl. 76, figs. 14-16.
 Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American
 Canyon, West Humboldt Range, Nevada.
- merriami** Anderson, **Pachydiscus** Plasto-Holotype 8828
 Plasto-Paratype 8377
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 103, pl. 6, figs. 135-137.
 Cretaceous, upper Horsetown beds, Hulén Creek, Shasta County, California.
- mertonyarwoodi** Crickmay, **Lilloettia** cf. Hypotype 12542
 Imlay, 1964, U.S. Geol. Surv., Prof. Paper 483-D, p. 14, pl. 2, figs. 19-20.
 Upper Jurassic, near Mineral, Idaho.
- mexicanum** Anderson, **Nostoceras** Holotype 10708
 1958, Geol. Soc. Amer., Mem. 71, p. 196, pl. 58, fig. 3 (6 June).
 Upper Cretaceous, upper Campanian, above mouth of Arroyo Santa Ca-
 tarina, Baja California, Mexico.
- mexicanum** Anderson, **Solenoceras** Holotype 10754
 1958, Geol. Soc. Amer., Mem. 71, p. 211, pl. 72, fig. 8 (6 June).

Upper Cretaceous, near river crossing 9 miles north of Enseñada, Baja California, Mexico.

mickeyi Anderson, **Hauericeras** Holotype 10769

1958, Geol. Soc. Amer., Mem. 71, p. 219, pl. 47, figs. 2-2A (6 June).

Upper Cretaceous, Campanian, Chico Formation, Chico Creek, Butte County, California.

micromphalus Smith, **Meekoceras** Plasto-Holotype 11837

1932, U.S. Geol. Surv., Prof. Paper 167, p. 58, pl. 49, figs. 5-8.

Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.

mikobokense Collignon, **Anagaudryceras** Hypotype 12135

Matsumoto, 1959, Mem. Fac. Sci., Kyushu Univ., ser. D, Geol., vol. 1, pt. 2, p. 139, pl. 38, figs. 1A-C (10 November).

Upper Cretaceous, Los Gatos Creek, Fresno County, California.

milleri Kummel, **Grypoceras** (**Grypoceras**) Plasto-Holotype 11998

1953, U.S. Geol. Surv., Prof. Paper 250, p. 53, pl. 6, figs. 5-6; text fig. 26.

Lower Triassic, near middle of Dinwoody Formation, Slight Canyon, Paris-Bloomington region, southeastern Idaho.

minutus Smith, **Clionites** (**Neamites**) Plasto-Holotype 11144

1927, U.S. Geol. Surv., Prof. Paper 141, p. 91, pl. 64, figs. 28-30.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, near old stone quarry on Brock Mountain, Shasta County, California.

mirabilis Anderson, **Hemibaculites** Plasto-Holotype 8929

Virtual Paratype 8930

1938, Geol. Soc. Amer., Spec. Paper 16, p. 220, pl. 78, figs. 2-3 (30 November).

Lower Cretaceous, Argonaut zone, east of Mitchell Creek, 6 miles south of Ono, Shasta County, California.

mitchelli Anderson, **Acroteuthis** Holotype 8944

Virtual Paratype 8945

1938, Geol. Soc. Amer., Spec. Paper 16, p. 228, pl. 80, figs. 1-1A (30 November).

Lower Cretaceous, Mitchell zone, lower Horsetown Group, near mouth of Mitchell Creek, 7 miles south of Ono, Shasta County, California.

modestum Anderson, **Cleoniceras** Holotype 8870

Paratypes 8871-8872

1938, Geol. Soc. Amer., Spec. Paper 16, p. 193, pl. 50, figs. 2-4 (30 November).

Lower Cretaceous, above Perrin zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.

modestus Smith, **Metasibirites** Plasto-Holotype 11054

1927, U.S. Geol. Surv., Prof. Paper 141, p. 64, pl. 61, figs. 38-40.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.

- modestus** Anderson, *Nautilus* Holotype 10685
1958, Geol. Soc. Amer., Mem. 71, p. 179, pl. 25, figs. 9-9A (6 June).
Upper Cretaceous, lowest Senonian, 49-Mine, 2 miles south of Phoenix,
Oregon.
- moffiti** Smith, *Margarites* Plasto-Holotype 10988
1927, U.S. Geol. Surv., Prof. Paper 141, p. 48, pl. 103, figs. 1-3.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Houghton,
Alaska.
- mojsvarensis** Smith, *Discotropites* Plasto-Holotype 10949
Plasto-Paratypes 10950-10951
1927, U.S. Geol. Surv., Prof. Paper 141, p. 42, pl. 8, figs. 1-7.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Bear Cove, Brock Mountain, Shasta County, California.
- mojsvarensis** Smith, *Metasibirites* Plasto-Holotype 11055
1927, U.S. Geol. Surv., Prof. Paper 141, p. 64, pl. 61, figs. 8-10.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north end of Brock Mountain, Shasta County, California.
- mojsvarensis** Smith, *Tropites* Plasto-Holotype 10891
1927, U.S. Geol. Surv., Prof. Paper 141, p. 32, pl. 74, figs. 7-9.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California.
- montis-bovis** Smith, *Ceratites* (*Hollandites*) Plasto-Holotype 11623
Plasto-Paratypes 11624-11625
1914, U.S. Geol. Surv., Prof. Paper 83, p. 105, pl. 58, figs. 1-11.
Middle Triassic, *Daonella dubia* zone, Fossil Hill, south fork of American
Canyon, West Humboldt Range, Nevada.
- montpelierensis** Kummel, *Germanonautilus* Plasto-Holotype 11975
1953, U.S. Geol. Surv., Prof. Paper 250, p. 30, pl. 3, fig. 11; text fig. 14.
Lower Triassic, *Columbites* zone, Thaynes Formation, Hot Springs, Idaho.
- morani** Smith, *Tropites* Plasto-Holotype 10916
Plasto-Paratypes 10917-10918
1927, U.S. Geol. Surv., Prof. Paper 141, p. 36, pl. 73, figs. 7-15.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Bear Cove, Brock Mountain, Shasta County, California.
- morloti** Mojsisovics, *Tropites* Plasto-Plesiotypes 10881-10882
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 31, pl. 69, figs. 13-19.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Brock Mountain, Shasta County, California.
- mortilleti** (Meneghini), *Productylioceras* cf. *P.* Hypotype 12785
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 29, pl. 2, fig. 11.

Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County, Oregon.

- mulleri** Johnston, **Procladiscites** Plasto-Holotype 11385
 Plasto-Paratypes 11386-11389
 1941, Jour. Paleont., vol. 15, no. 5, p. 480, pl. 65, figs. 4-7; pl. 66, figs. 5-7; text figs. 3-F, 3-G (September).
 Upper Triassic, Karnic, *Joannites* and *Trachyceras* zones, Star Peak Formation, South Canyon, New Pass Range, Nevada.

- mulleri** Anderson, **Sonneratia** Holotype 8864
 Plasto-Paratype 8865
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 195, pl. 51, fig. 4; pl. 54, figs. 3-4.
 Lower Cretaceous, Perrin zone, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.

- multicameratus** Gabb, **Paranautilus** Plasto-Plesiotype 11777
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 143, pl. 95, figs. 3-4.
 Middle Triassic, *Daouella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- multicameratus** Smith, **Xenodiscus** Plasto-Holotype 11476
 Plasto-Paratype 11477
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 57, pl. 34, figs. 5-8.
 Middle Triassic, Union Wash, Inyo Range, Inyo County, California.

- multicosta** Anderson, **Schloenbachia** Neotype 32
 Neoparatype 32A
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 120 (24 December).
 Cretaceous, lower Chico, Smith Ranch, 2 miles west of Phoenix, Jackson County, Oregon.

- multicostatus** Böse, **Paracelites** Plasto-Plesiotype 11780
 Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 41, pl. 44, figs. 10-11.
 Lower Permian, Delaware Mountain Formation, near Van Horn, Culberson County, Texas.

- multilobatum** Hyatt and Smith, **Pseudosageceras** Hypotype 7775
 Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 166, figs. 60-13, 60-14 (11 September).
 Lower Triassic, Union Wash, Inyo Mountains, Inyo County, California.

- multilobatum** Noetling, **Pseudosageceras** Plasto-Plesiotypes 11943-11949
 Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 87, pl. 5, figs. 1-6; pl. 25, figs. 7-9, 15-16; pl. 63, figs. 1-6.
 Lower Triassic, *Oreenites* subzone of *Meekoceras* zone, Union Wash, Inyo Range, Inyo County, California; *Columbites* zone, 1 mile west of Paris, Idaho; Slug Creek, Aspen Mountains, 14 miles east of Soda Springs, Idaho.

- multisulcatus** Whiteaves, **Pachydiscus** Plasto-Holotype 8889
1903, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 5, p. 349, pl. 50, fig. 1; text fig. 24 (July).
Cretaceous, North West Bay, Vancouver Island, British Columbia, Canada.
- mushbachanum** White, **Meekoceras** (**Koninckites**) Plasto-Plesiotypes 11858–11872
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 61, pl. 15, figs. 5–9; pl. 16, figs. 1–3; pl. 18, figs. 1–7; pl. 70, figs. 8–10; pl. 74, figs. 1–10; pl. 75, figs. 1–6; pl. 76, figs. 1–3.
Lower Triassic, *Meekoceras* zone, Wood Canyon, 9 miles east of Soda Springs, Idaho; 65 miles north of the Utah line and 18 miles west of the Wyoming line, Idaho; *Owenites* subzone, Union Wash, Inyo Range, Inyo County, California; 5 miles southeast of Grays Lake, Idaho; 1½ miles east of Hot Springs, Idaho.
- mushbachanus** White, **Meekoceras** Plasto-“Cotype” [Syntype] 12005
1879, U.S. Geol. and Geog. Surv. Terr., Bull., vol. 5, no. 1, art. 5, p. 113.
Jura-Trias. member D, southeastern Idaho.
- mustangense** Anderson, **Diplomoceras** Holotype 10729–10729A
1958, Geol. Soc. Amer., Mem. 71, p. 200, pl. 65, fig. 3 (6 June).
Upper Cretaceous, lower Moreno Formation, ½ mile south of Mustang Creek, east flank of Panoche Hills, Merced County, California.
- mutabilis** Stanton, **Olcostephanus** (**Simbirskites**) Syntype 10405
Plasto-Syntypes 10406–10407
1895, U.S. Geol. Surv., Bull. 133, p. 77, pl. 15, figs. 1, 3, 5.
Lower Cretaceous, upper Knoxville beds, Shelton’s Ranch, 5 miles north of Paskenta, Tehama County, California.
- mutabilis** Inlay, **Tollia** (**Tollia**) **mutabilis** (Stanton, 1895) var.
Hypotypes 12374–12375, 12377
Jeletzky, 1965, Geol. Surv. Canada, Bull. 103, pl. 14, figs. 7A–B, 9; pl. 15, figs. 5A–B.
Lower Cretaceous, late lower Valanginian, Paskenta Formation, 6 miles northeast of Paskenta, Tehama County, California.
- muthianum** (Krafft), **Clypeoceras** Plasto-Plesiotypes 11891–11892
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 64, pl. 27, figs. 1–5.
Lower Triassic, *Meekoceras* zone, 9 miles east of Soda Springs, Aspen Mountains, Idaho.
- myrtlense** Anderson, **Phylloceras** Holotype 8734
1938, Geol. Soc. Amer., Spec. Paper 16, p. 144, pl. 30, fig. 7 (30 November).
Lower Cretaceous, upper Valanginian, Paskenta Group, 1 mile southeast of Riddle, Oregon.
- N
- nanus** Smith, **Clionites** (**Traskites**) Plasto-Holotype 11129
1927, U.S. Geol. Surv., Prof. Paper 141, p. 88, pl. 65, figs. 1–2.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.

napaensis Anderson, **Belemnopsis?** Holotype 8982
1945, Bull. Geol. Soc. Amer., vol. 56, p. 990, pl. 2, figs. 7A-B (October).

Upper Jurassic, Tithonian, Knoxville series, Newville Group, 3 miles north of Knoxville, Napa County, California.

natrice Anderson, **Ptychoceras** Holotype 8801
Virtual Paratype 8802

1938, Geol. Soc. Amer., Spec. Paper 16, p. 218, pl. 61, fig. 2 (30 November).

Lower Cretaceous, Mitchell zone, Horsetown Group, 1 mile above mouth of Mitchell Creek, Shasta County, California.

nauplius Anderson, **Hemibaculites** Holotype 8913
1938, Geol. Soc. Amer., Spec. Paper 16, p. 221, pl. 66, figs. 2-2A (30 November).

Lower Cretaceous, Mitchell zone, near Mitchell Creek, 5 miles south of Ono, Shasta County, California.

neevesii Whiteaves, **Pachydiscus** Plasto-Holotype 10436
1903, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 5, p. 342, pl. 47, fig. 1; text fig. 21 (July).

Upper Cretaceous, Nanaimo Group, James Island, British Columbia, Canada.

neleus Anderson, **Hemibaculites** Holotype 8911
Hypotype [Paratype] 8912

1938, Geol. Soc. Amer., Spec. Paper 16, p. 221, pl. 59, figs. 2-3 (30 November).

Lower Cretaceous, Mitchell zone, Horsetown Group, 1 mile above mouth of Mitchell Creek, Shasta County, California; lower Horsetown Group, south of Roaring River, Shasta County, California.

neocomiensis d'Orbigny, **Neocomites** sp. cf. **N.** Hypotype 5969
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 61-11 (11 September).

Lower Cretaceous, Waltham Creek Valley, north of Coalinga-Priest Road, Priest Valley quadrangle, Fresno County, California.

neptunium Anderson, **Lytoceras (Gaudryceras?)** Holotype 8928
1938, Geol. Soc. Amer., Spec. Paper 16, p. 152, pl. 18, fig. 1 (30 November).

Lower Cretaceous, Neptune zone, Horsetown Group, east branch of Hulen Creek, Shasta County, California.

neumayri Mojsisovics, **Tropigastrites** Plasto-Plesiotypes 11414-11415
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 29 pl. 18, figs. 15-17A.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and the south fork of American Canyon, West Humboldt Range, Nevada.

nevadanus Mojsisovics, **Ceratites** Plasto-Plesiotypes 11603-11607
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 101, pl. 64, figs. 1-14.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

nevadanus Hyatt and Smith, **Longobardites** Plasto-Paratypes 11454-11456
1905, U.S. Geol. Surv., Prof. Paper 40, p. 132, pl. 58, figs. 16-20; pl. 75, figs. 6-7.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

nevadanus Hyatt and Smith, **Longobardites** Plasto-Plesiotypes 11457-11458
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 50, pl. 30, figs. 13-14, 16.

Middle Triassic, *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

nevadanus Smith, **Xenodiscus (Xenaspis)** Plasto-Holotype 11798
Plasto-Paratypes 11799-11801

1932, U.S. Geol. Surv., Prof. Paper 167, p. 47, pl. 56, figs. 1-5B.

Lower Triassic, *Owenites* subzone of *Meekoceras* zone, mouth of Cottonwood Canyon, east side of Elko Mountains, Elko County, Nevada.

nevadensis Meek, **Attractites** Plasto-Plesiotype 11753

Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 139, pl. 96, fig. 8.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, south fork of American Canyon, West Humboldt Range, Nevada.

newberryanum (Meek), **Canadoceras** Plasto-Holotype 4699

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 232, pl. 42, figs. 1-2 (6 June).

Upper Cretaceous, lower Senonian, Komooks, Vancouver Island, British Columbia, Canada.

newberryanus Meek, **Ammonites** Plasto-Holotype 4699

1876, Bull. U.S. Geol. and Geog. Surv. Terr., vol. 2, Bull. 4, p. 367, pl. 4, figs. 3-3B (4 August).

Cretaceous, Komooks, Vancouver Island, British Columbia, Canada.

newberryi Smith, **Ceratites (Paraceratites)** Plasto-Holotype 11562

Plasto-Paratypes 11563-11564

1914, U.S. Geol. Surv., Prof. Paper 83, p. 92, pl. 40, figs. 1-8.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, New Pass, Desatoya Mountains, Nevada; Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

newberryi Smith, **Meekoceras** Plasto-Hypotype 5910

Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 166, figs. 60-8, 60-20 (11 September).

Lower Triassic, Union Wash, Inyo Mountains, Inyo County, California.

- newberryi** Smith, **Meekoceras** (**Koninckites**) Plasto-Holotype 11874
1932, U.S. Geol. Surv., Prof. Paper 167, p. 62, pl. 53, figs. 1-3.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Mountains, Inyo County, California.
- newboldi** (Kossmat), **Calycoceras** (**Eucalycoceras**) Hypotype 10803
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 242, pl. 7, figs. 1-1A (6 June).
Upper Cretaceous, Cenomanian, $\frac{1}{2}$ mile southeast of mouth of Hulen Creek, Cottonwood district, Shasta County, California.
- newelli** Kummel, **Pleuromutilus** (**Enoploceras**) Plasto-Holotype 11988
1953, U.S. Geol. Surv., Prof. Paper 250, p. 41, pl. 4, fig. 1; text fig. 19.
Lower Triassic, *Columbites* zone, Thaynes Formation, Montpelier Canyon, Idaho.
- newpassense** Johnston, **Hannaoceras** Plasto-Holotype 11340
Plasto-Paratypes 11341-11342
1941, Jour. Paleont., vol. 15, no. 5, p. 454, pl. 59, figs. 10-16 (September).
Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- newwillensis** Anderson, **Cylindroteuthis** Holotype 8957
1945, Bull. Geol. Soc. Amer., vol. 56, p. 988, pl. 9, fig. 4 (October).
Upper Jurassic, Tithonian, Newville Group, 2 miles south of Paskenta, Tehama County, California.
- nevalis** Diener, **Xenodiscus** Plasto-Plesiotypes 11790-11791
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 44, pl. 56, figs. 6-9.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, mouth of Cottonwood Canyon, east side of Ruby Range, Elko County, Nevada.
- nodifer** Hyatt and Smith, **Polycyclus** Plasto-"Cotypes" [Syntypes] 11155-11158
1905, U.S. Geol. Surv., Prof. Paper 40, p. 201, pl. 38, figs. 1-12.
Upper Triassic, *Tropites subbullatus* zone, between Squaw Creek and Pit River, Shasta County, California.
- noetlingi** Hyatt and Smith, **Sibirites** Plasto-Holotype 11903
1905, U.S. Geol. Surv., Prof. Paper 40, p. 49, pl. 9, figs. 1-3.
Lower Triassic, *Meekoceras* beds, Union Wash, Inyo Range, Inyo County, California.
- normale** Anderson, **Oregoniceras** Holotype 10854
1958, Geol. Soc. Amer., Mem. 71, p. 268, pl. 25, figs. 8-8A (6 June).
Upper Cretaceous, Turonian, 49-Mine, 2 miles south of Phoenix, Oregon.
- northi** Smith, **Gonionotites** Plasto-Holotype 11006
1927, U.S. Geol. Surv., Prof. Paper 141, p. 59, pl. 14, figs. 13-15.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.

- novaditus** Johnston, **Perrinoceras** Plasto-Holotype 11346
 Plasto-Paratype 11347
 1941, Jour. Paleont., vol. 15, no. 5, p. 460, pl. 60, figs. 3-5; text fig. 1-F (September).
 Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon,
 New Pass Range, Nevada.
- nudus** Smith, **Lecanites** Plasto-Holotype 11502
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 66, pl. 98, figs. 8-9.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- O
- obliterans** Smith, **Tropigastrites** Plasto-Holotype 11416
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 30, pl. 87, figs. 27-32.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- obolinus** (Dittmar), **Tornquistites** Plasto-Plesiotype 10993
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 50, pl. 58, figs. 14-15.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, old quarry on Brock Mountain, Shasta County, California.
- obsoletus** Smith, **Juvavites (Anatomites)** Plasto-Holotype 11028
 Plasto-Paratypes 11029-11030
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 58, pl. 15, figs. 1-8.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, Bear Cove, Brock Mountain, Shasta County, California.
- obtusus** Smith, **Aspenites** Plasto-Holotype 11929
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 86, pl. 31, figs. 8-10.
 Lower Triassic, *Meckoceras* zone, north end of Bear Lake, 1 mile east of Hot
 Springs, Bear Lake County, Idaho.
- occidentale** Anderson, **Bostrychoceras** Holotype 10740
 Paratype 10741
 1958, Geol. Soc. Amer., Mem. 71, p. 205, pl. 31, figs. 4-4A (6 June).
 Upper Cretaceous, middle Turonian, 1 mile north of Frazier Corners, Shasta
 County, California.
- occidentale** Smith, **Leconteiceras** Plasto-Holotype 11061
 Plasto-Paratype 11062
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 66, pl. 58, figs. 16-20.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, old quarry on Brock Mountain, Shasta County, California.
- occidentale** Anderson, **Phylloceras** Holotype 8745-8745B
 Paratype 8746
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 139, pl. 12, figs. 1-2 (30 November).

Lower Cretaceous, near Barr zone, Horsetown Group, east of Mitchell Creek, 5 miles south of Ono, Shasta County, California; Ono zone, Horsetown Group, near Ono, Shasta County, California.

- occidentalis** Meek, **Baculites** Plasto-Syntype 10424
1861, Proc. Acad. Nat. Sci. Philadelphia, vol. 13, p. 316.
Cretaceous, Vancouver Island, British Columbia, Canada.
- occidentalis** Meek, **Baculites** Plasto-Plesiotype 4259
Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 24, pl. 8, figs. 3-4 (23 December).
Cretaceous, Santa Catarina Landing, Baja California, Mexico.
- occidentalis** Smith, **Ceratites** Plasto-Holotype 11531
Plasto-Paratypes 11532-11535
1914, U.S. Geol. Surv., Prof. Paper 83, p. 84; pl. 44, figs. 21-28; pl. 45, figs. 1-4.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- occidentalis** Anderson, **Cylindroteuthis** Holotype 8964
Paratype 8965
1945, Bull. Geol. Soc. Amer., vol. 56, p. 987, pl. 8, figs. 1-2 (October).
Upper Jurassic, Tithonian, Newville Group, Watson Creek, 6 miles north of Winslow Bridge, Glenn County, California.
- occidentalis** Smith, **Tropites** Plasto-Holotype 10883
Plasto-Paratypes 10884-10886
1927, U.S. Geol. Surv., Prof. Paper 141, p. 31, pl. 70, figs. 1-10.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.
- occidentalis** Smith, **Ussuria** Plasto-Holotype 11953
1932, U.S. Geol. Surv., Prof. Paper 167, p. 91, pl. 27, figs. 8-10.
Lower Triassic, *Meekoceras* zone, Aspen Mountains, 9 miles east of Soda Springs, Idaho.
- ochocoense** Imlay, **Protogrammoceras?** Holotype 12790
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 40, pl. 6, figs. 25, 27-28.
Lower Jurassic, Nicely shale, southeast slope of Morgan Mountain, Grant County, Oregon.
- onoense** Anderson, **Hoplocrioceras** Plasto-Holotype 8901
1938, Geol. Soc. Amer., Spec. Paper 16, p. 202, pl. 53, figs. 3-3B; pl. 61, fig. 4 (30 November).
Lower Cretaceous, Ono zone, Eagle Creek, near Ono, Shasta County, California.
- onoense** Stanton, **Phylloceras** Hypotype 7736
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, preprint of pt. 2, p. 168, text fig. 19 (11 September).

Lower Cretaceous, Horsetown beds, head of Bee Creek, 3 miles south of Ono, Shasta County, California.

onoense Stanton, **Phylloceras** Lectotype 7736

Hypotype [?Paralectotype] 8747

Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 142, pl. 11, figs. 1-2 (30 November).
Lower Cretaceous, Argonaut zone, west branch of Bee Creek, ½ mile east of Mitchell Creek, 5 miles south of Ono, Shasta County, California.

onoensis Anderson, **Acroteuthis** Holotype 8936

1938, Geol. Soc. Amer., Spec. Paper 16, p. 227, pl. 81, figs. 3-3A (30 November).

Lower Cretaceous, lower Horsetown Group, on Mitchell Creek, ½ mile north of Roaring River, Shasta County, California.

onona Anderson, **Puzosia** Holotype 8821

1938, Geol. Soc. Amer., Spec. Paper 16, p. 188, pl. 42, fig. 8 (30 November).

Lower Cretaceous, Jackass Flat, 1 mile east of Horsetown, Shasta County, California.

ootacodensis (Stoliczka), **Parapachydiscus** Plesiotype 4251

Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 20, pl. 6, figs. 1-2 (23 December).

Cretaceous, near Santa Catarina Landing, Baja California, Mexico.

oppeliiformis Westermann, **Bradfordia?** (**Pracoppelia**)

Paratypes 13109-13109A

1969, Bull. Amer. Paleont., vol. 57, no. 255, p. 48, pl. 10, fig. 5; pl. 12, fig. 1 (20 November).

Middle Jurassic, Bajocian, *Sonninia sowerbyi* zone, Kialagvik Formation, southeast shore of Wide Bay, 5.5 kilometers southwest of Tatcliff Island, Alaska.

oregonense Anderson, **Mantelliceras** Holotype 10804

Hypotype [Paratype] 10804A

1958, Geol. Soc. Amer., Mem. 71, p. 244, pl. 8, figs. 4-4A; pl. 14, figs. 1-1A (6 June).

Upper Cretaceous, upper Cenomanian, 49-Mine, 2 miles south of Phoenix, Oregon; upper Albian, Dark Hollow on Old Pioneer Road, 4 miles southwest of Phoenix, Oregon.

oregonense (Anderson), **Oregoniceras** Hypotype 10840

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 264, pl. 24, fig. 4B (6 June).

Upper Cretaceous, upper Turonian, no locality.

oregonense Anderson, **Phylloceras** Holotype 8731

1938, Geol. Soc. Amer., Spec. Paper 16, p. 144, pl. 30, fig. 8 (30 November).

Lower Cretaceous, middle Paskenta Group, 1 mile southeast of Riddle, Oregon.

oregonense Anderson, **Phylloceras** cf. Hypotypes 8732-8733

1938, Geol. Soc. Amer., Spec. Paper 16, p. 257, pl. 12, figs. 8-9 (30 November).

Lower Cretaceous, Ono zone, Horsetown Group, Eagle Creek, near Ono, Shasta County, California.

oregonensis Anderson, **Dichotomites** Holotype 8779

1938, Geol. Soc. Amer., Spec. Paper 16, p. 159, pl. 30, fig. 5 (30 November).

Lower Cretaceous, middle Paskenta Group, 1 mile southeast of Riddle, Oregon.

oregonensis Anderson, **Pachydiscus** Holotype 10773

1958, Geol. Soc. Amer., Mem. 71, p. 221, pl. 27, figs. 2-2A (6 June).

Upper Cretaceous, Turonian, 49-Mine, 2 miles southwest of Phoenix, Oregon.

oregonensis Smith, **Schloenbachia** Holotype [Lectotype?] 36

1899, Jour. Morphology, vol. 16, no. 1, p. 246 (November).

Upper Cretaceous, 49-Mine, 1½ miles southwest of Phoenix, Oregon.

As is the case with *Placenticeras californicum*, Smith (1899) described and figured this species, but attributed the name to "Anderson ms." Thus, the arguments for referring this species to Smith rather than Anderson are the same as those presented for *P. californicum*. Neither Smith (1899) nor Anderson (1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 122, pl. 2, figs. 48-57; pl. 6, fig. 144; pl. 7, figs. 149-150) in his subsequent "original" description specified the type. The specimen indicated as "Holotype" by Anderson (1958, Geol. Soc. Amer., Mem. 71, p. 264, figs. 4-4A) cannot be matched with any of Smith's figures (1899, pls. A-E), and should probably be considered as a lectotype.

orestimbense Anderson, **Didymoceras** Holotype 10722

1958, Geol. Soc. Amer., Mem. 71, p. 197, pl. 45, fig. 4 (6 June).

Upper Cretaceous, Coniacian, lower Senonian, lower Panoche conglomerate, Orestimba Creek, Stanislaus County, California.

organi Smith, **Ceratites (Hollandites)** Plasto-Holotype 11626

Plasto-Paratypes 11627-11632

1914, U.S. Geol. Surv., Prof. Paper 83, p. 105, pl. 54, figs. 1-9; pl. 55, figs. 1-10.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

ornatus Smith, **Columbites** Plasto-Holotype 12090

Plasto-Paratype 12091

1932, U.S. Geol. Surv., Prof. Paper 167, p. 107, pl. 46, figs. 14-17.

Lower Triassic, *Columbites* zone, Paris Canyon, 1 mile west of Paris, Idaho.

ortigalitense Anderson, **Exicrioceras** Holotype 10747

1958, Geol. Soc. Amer., Mem. 71, p. 208, pl. 64, figs. 4-4A (6 June).

Upper Cretaceous, Maestrichtian, Moreno Formation, Charleston School quadrangle, Merced County, California.

- o'shaughnessyi** Anderson, **Diplomoceras** Holotype 10731
1958, Geol. Soc. Amer., Mem. 71, p. 201, pl. 56, fig. 2 (6 June).
Upper Cretaceous, aqueduct tunnel, 1.12 miles from Tesla Portal, San Joaquin County, California.
- osmonti** Smith, **Beyrichites** Plasto-Holotype 11685
Plasto-Paratypes 11686–11687
Plasto-Hypotype [Paratype] 11688
1914, U.S. Geol. Surv., Prof. Paper 83, p. 117, pl. 31, figs. 7–12; pl. 89, fig. 14.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- osmonti** Smith, **Clionites (Neanites)** Plasto-Holotype 11145
Plasto-Paratypes 11146–11147
1927, U.S. Geol. Surv., Prof. Paper 141, p. 91, pl. 67, figs. 1–8.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.
- ovatoides** Hanna and Anderson, **Baculites** [see *B. inornatus* Meek]
Holotype 4258
In Anderson, 1928, Pan-Amer. Geol., vol. 50, no. 4, p. 283, fig. on pl. 9 (November) [named and figured only]. Placed in synonymy of *Baculites inornatus* Meek by Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 24 (23 December).
Cretaceous, Santa Catarina Landing, Baja California, Mexico.
- oweni** Hyatt and Smith, **Inyoites** Plasto-“Cotypes” [Syntypes] 11910–11919
1905, U.S. Geol. Surv., Prof. Paper 40, p. 134, pl. 6, figs. 1–6; pl. 69, figs. 1–9; pl. 78, figs. 2–8.
Lower Triassic, *Meekoceras* beds, Union Wash, Inyo Range, Inyo County, California.

P

- pachecoense** Anderson, **Haploceras** Holotype 10430
1945, Bull. Geol. Soc. Amer., vol. 56, p. 984, pl. 6, figs. 8A–B (October).
Upper Jurassic, middle Portlandian, Knoxville series, 1000 feet south of Hawk Rock, Pacheco Pass quadrangle, Stanislaus County, California.
- pachecoense** Anderson, **Phylloceras** Holotype 10688
1958, Geol. Soc. Amer., Mem. 71, p. 182, pl. 53, figs. 1–1A (6 June).
Upper Cretaceous, Maestrichtian, Moreno Formation, on a branch of Salt Creek, Merced County, California.
- pachecoensis** Anderson, **Turrilites** Holotype 10715
1958, Geol. Soc. Amer., Mem. 71, p. 193, pl. 11, fig. 4 (6 June).
Upper Cretaceous, lower Cenomanian, north side of Quinto Creek, Stanislaus County, California.

- pacifica** Anderson, **Belemnoteuthis (Conoteuthis)** Holotype 8702
Virtual Paratype 8703
1938, Geol. Soc. Amer., Spec. Paper 16, p. 231, pl. 77, fig. 2 (30 November).
Lower Cretaceous, Hamlin-Broad zone, Paskenta Group, head of Mitchell
Creek, 4 miles southwest of Ono, Shasta County, California.
- pacificum** Smith, **Placenticerus** ?Holotype 29 [recovered from 1906 fire]
1900, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 7, p. 207, pl. 26 (15 August).
Upper Cretaceous, near Henley, Siskiyou County, California.
- pacificum** Smith, **Placenticerus** Plasto-Plesiotypes 5072, 5089
Waring, 1917, Proc. Calif. Acad. Sci., 4th ser., vol. 7, no. 4, p. 70, pl. 9, figs. 18-19 (30
July).
Upper Cretaceous, Chico, south of Santa Monica Mountains, California.
- pacificus** Hyatt and Smith, **Arcestes (Proarcestes)** Plasto-Holotype 11065
1905, U.S. Geol. Surv., Prof. Paper 40, p. 75, pl. 81, figs. 1-3.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, between Squaw Creek and Pit River, Shasta County, Cali-
fornia.
- pacificus** Hyatt and Smith, **Arcestes (Proarcestes)**
Plasto-Plesiotypes 11066-11067
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 68, pl. 23, figs. 12-16.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California.
- pacificus** Smith, **Cosmonutilus** Plasto-Holotype 11226
Plasto-Paratypes 11227-11228
1927, U.S. Geol. Surv., Prof. Paper 141, p. 105, pl. 86, figs. 1-9.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north end of Brock Mountain, Shasta County, California.
- pacificus** Smith, **Cosmonutilus** Plasto-"Topotype" [Hypotype] 11997
Kummel, 1953, U.S. Geol. Surv., Prof. Paper 250, p. 85.
Upper Triassic, Brock Mountain, Shasta County, California.
- pacificus** Smith, **Jovites** Plasto-Holotype 10974
1927, U.S. Geol. Surv., Prof. Paper 141, p. 53, pl. 13, figs. 11-13.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, Brock Mountain, north fork of Squaw Creek, Shasta County,
California.
- pacificus** Hyatt and Smith, **Tirolites** Plasto-Holotype 11513
1905, U.S. Geol. Surv., Prof. Paper 40, p. 159, pl. 21, figs. 14-15.
Middle Triassic, Union Wash, Inyo Range, Inyo County, California.
- packardi** Anderson, **Lyticoceras** Holotype 8738
Paratype 8739
Plesiotype [Paratype] 8740
1938, Geol. Soc. Amer., Spec. Paper 16, p. 164, pl. 31, figs. 2-5 (30 November).

Lower Cretaceous, middle Paskenta Group, 1 mile southeast of Riddle, Oregon.

packardi Anderson, **Oxytropidoceras** Plasto-Holotype 8875
1939, Geol. Soc. Amer., Spec. Paper 16, p. 198, pl. 50, fig. 1 (30 November).

Lower Cretaceous, upper part of Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

packardi Schenk, **Tritropidoceras** Plasto-Holotype 4709A
Paratypes 4698-4698A
Plasto-Paratype 4698B

1935, Amer. Midland Nat., vol. 16, no. 3, p. 405, pl. 17, figs. 1-2, 13 (May).

Upper Triassic, east side of road 10 miles east of Suplee, Grant County, Oregon.

panochensis Anderson, **Parapachydiscus** Holotype 12449
1958, Geol. Soc. Amer., Mem. 71, p. 226, pl. 67, figs. 1-2 (6 June).

Upper Cretaceous, Panoche Formation, Moreno Gulch, Panoche Hills, Fresno County, California.

parisianus Hyatt and Smith, **Columbites** Plasto-Holotype 12092
Plasto-Paratypes 12093-12098

1905, U.S. Geol. Surv., Prof. Paper 40, p. 51, pl. 1, figs. 9-14; pl. 61, figs. 1-10.

Lower Triassic, *Columbites* zone, 1 mile west of Paris, Idaho.

parva Anderson, **Hoplites** Holotype 31
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 136, pl. 3, figs. 82-83 (24 December).

Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.

parvum Smith, **Ophiceras** Plasto-Holotype 11814
1932, U.S. Geol. Surv., Prof. Paper 167, p. 49, pl. 54, figs. 25-27.

Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Range, 15 miles southeast of Independence, Inyo County, California.

parvus Smith, **Dalmatites** Plasto-Holotype 11481
1914, U.S. Geol. Surv., Prof. Paper 83, p. 60, pl. 30, figs. 1-2.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, West Humboldt Range, Nevada.

parvus Smith, **Lecanites** Plasto-Holotype 11503
Plasto-Paratype 11504

1914, U.S. Geol. Surv., Prof. Paper 83, p. 66, pl. 30, figs. 25-26; pl. 88, figs. 26-28.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, West Humboldt Range, Nevada.

parvus Hyatt and Smith, **Metasibirites** Plasto-Plesiotype 11056
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 64, pl. 60, figs. 31-32.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.

paskentae Anderson, **Thurmannia** Holotype 8793
Paratype 8794
1938, Geol. Soc. Amer., Spec. Paper 16, p. 162, pl. 29, figs. 3-6 (30 November).
Lower Cretaceous, upper Valanginian, Paskenta Group, McCarthy Creek, 3 miles north of Paskenta, Tehama County, California.

paskentaensis Anderson, **Bochianites** Holotype 8790
1938, Geol. Soc. Amer., Spec. Paper 16, p. 167, pl. 29, fig. 10 (30 November).
Lower Cretaceous, zone M2, Paskenta Group, 5 miles north of Paskenta, Tehama County, California.

patelliforme Smith, **Meekoceras** Plasto-Holotype 11834
Plasto-Paratypes 11835-11836
1932, U.S. Geol. Surv., Prof. Paper 167, p. 58, pl. 28, figs. 21-23, 26-27; pl. 52, figs. 9-11.
Lower Triassic, *Meekoceras* zone, Wood Canyon, Aspen Mountains, 9 miles east of Soda Springs, Idaho; *Owenites* subzone, Union Wash, Inyo Mountains, Inyo County, California.

patens (Mojsisovics), **Rhacophyllites (Discophyllites)**
Plasto-Plesiotypes 11163-11165
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 100, pl. 62, figs. 1-7; pl. 103, figs. 4-6.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, and north fork of Squaw Creek, Shasta County, California; point at north entrance to Herring Bay, Admiralty Island, Alaska.

paucicostata (Donovan), **Tollia (Tollia)** Hypotype 12373
Jeletzky, 1965, Geol. Surv. Canada, Bull. 103, pl. 14, fig. 3.
Lower Cretaceous, late lower Valanginian, Paskenta Formation, 6 miles northeast of Paskenta, Tehama County, California.

paucinodosum Westermann, **Docidoceras?** (**Pseudocidoceras?**)
Holotype 13123
1969, Bull. Amer. Paleont., vol. 57, no. 255, p. 153, pl. 43, figs. 2a-b (20 November).
Middle Jurassic, Bajocian, *Sonninia sowerbyi* zone, Kialagvik Formation, southeast side of Wide Bay, 1.83 kilometers east of Preston Creek, Alaska.

pealei Smith, **Dagnoceras** Plasto-Holotype 11895
Plasto-Paratype 11896
1932, U.S. Geol. Surv., Prof. Paper 167, p. 66, pl. 29, figs. 24-28.
Lower Triassic, *Meekoceras* zone, north end of Bear Lake, 1 mile northeast of Hot Springs, Idaho.

- pealei** Smith, **Tirolites** Plasto-Holotype 11921
Plasto-Paratype 11922
1932, U.S. Geol. Surv., Prof. Paper 167, p. 84, pl. 57, figs. 5-8.
Lower Triassic, Tirolites zone, Paris Canyon, 1½ miles west of Paris, Idaho.
- pecki** Imlay, **Hertleinites** Plasto-Paratype 12136
1960, U.S. Geol. Surv., Prof. Paper 334-F, p. 208, pl. 43, figs. 1-3.
Lower Cretaceous, Hauterivian, 120 feet upstream from junction of small tributary with Nevada Creek, Tehama County, California.
- peninsularis** Anderson and Hanna, **Parapachydiscus** Holotype 4248
Paratypes 4249-4250, 4253, 4257
1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 20, pl. 4, fig. 1; pl. 5, figs. 1-2;
pl. 6, figs. 3-4; pl. 7, fig. 5; text fig., p. 21 (23 December).
Upper Cretaceous, near Santa Catarina Landing, Baja California, Mexico.
- pentzanum** Anderson, **Mortoniceras** (**Submortoniceras**) Holotype 19858
Paratype 10859
1958, Geol. Soc. Amer., Mem. 71, p. 270, pl. 51, figs. 1-2A (6 June).
Upper Cretaceous, type Chico Formation, southwest bank of Big Chico Creek, 3.6 miles from 10 Mile House on Humboldt Road east of Chico, Butte County, California.
- percostatum** (Gabb), **Tropaeum** Hypotypes 8590-8590C, 8903
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 212, pl. 71; pl. 72, fig. 1 (30 November).
Lower Cretaceous, near Argonaut zone, east of Mitchell Creek, Shasta County, California.
- perplanus** Meek, **Arcestes?** Plasto-"Cotypes" [Syntypes] 12045-12046
1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 120, pl. 11, fig. 7-7A.
Upper Triassic, St. Cassian beds, south fork of Buena Vista Canyon, West Humboldt Range, Nevada.
- perplicatus** Whiteaves, **Pachydiscus** (**Haradai** ? var.)
Plasto-Holotype 10437
1903, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 5, p. 346, text fig. 22, pl. 48, fig. 1.
Upper Cretaceous, Puntledge River, Vancouver Island, British Columbia, Canada.
- perrini** Anderson, **Acanthoplites** [*Acanthohoplites*] Holotype 8798
1938, Geol. Soc. Amer., Spec. Paper 16, p. 173, pl. 38, fig. 1 (30 November).
Lower Cretaceous, Perrin zone, upper Horsetown Group, west branch of east fork of Hulen Creek, east of Ono, Shasta County, California.
- perrini** Crickmay, **Anacardioceras** Plasto-Paratype 10568A
1930, Canada Dept. Mines, Nat. Mus. Canada, Bull. 63, Geol. ser. 51, p. 58, pl. 22, fig. 1.
Jurassic, peninsula in Harrison Lake, British Columbia, Canada.

- perrinsmithi** Anderson, **Sonneratia** Holotype 8882
Paratypes 8883–8884
1938, Geol. Soc. Amer., Spec. Paper 16, p. 194, pl. 51, figs. 5–7 (30 November).
Lower Cretaceous, Perrin zone, Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- petersoni** Anderson, **Turrilites** Holotype 10716
1958, Geol. Soc. Amer., Mem. 71, p. 193, pl. 12, fig. 6; pl. 75, fig. 4 (6 June).
Upper Cretaceous, Albian or Cenomanian, just below Venado Formation, 4 miles north of Sites, Colusa County, California.
- petrolense** Anderson, **Oxybeloceras** Holotype 10736
1958, Geol. Soc. Amer., Mem. 71, p. 203, pl. 56, fig. 1 (6 June).
Upper Cretaceous, upper Coniacian, Petroleum Creek, east slope of Rumsey Hills, Yolo County, California.
- philadelphium** Anderson, **Hamiticeras** Plasto-Holotype 5878
1938, Geol. Soc. Amer., Spec. Paper 16, p. 216, pl. 79, figs. 2–3 (30 November).
Lower Cretaceous, probably near Argonaut zone, north fork of Cottonwood Creek, Shasta County, California.
- philippii** Hyatt and Smith, **Atractites**
Plasto-“Cotypes” [Syntypes] 11168–11169
1905, U.S. Geol. Surv., Prof. Paper 40, p. 205, pl. 48, figs. 1–3.
Upper Triassic, upper *Tropites subbullatus* zone, between Squaw Creek and Pit River, and Bear Mountain, Shasta County, California.
- philippii** Smith, **Tropites** Plasto-Holotype 10911
1927, U.S. Geol. Surv., Prof. Paper 141, p. 36, pl. 75, figs. 12–14.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.
- phoenixense** Anderson, **Mantelliceras** Holotype 10811
1958, Geol. Soc. Amer., Mem. 71, p. 244, pl. 13, figs. 2–2A (6 June).
Upper Cretaceous, 49-Mine, southwest of Phoenix, Oregon.
- phoenixense** Anderson, **Oregoniceras** Holotype 10848
1958, Geol. Soc. Amer., Mem. 71, p. 266, pl. 25, figs. 7–7A (6 June).
Upper Cretaceous, Turonian, 49-Mine, 2 miles south of Phoenix, Oregon.
- pilatum** Hyatt and Smith, **Meekoceras**
Plasto-“Cotypes” [Syntypes] 11839–11840
1905, U.S. Geol. Surv., Prof. Paper 40, p. 144, pl. 63, figs. 3–6.
Lower Triassic, *Columbites* beds, 1 mile west of Paris, Idaho.
- pilatus** Smith, **Ceratites** Plasto-Holotype 11608
Plasto-Paratypes 11609–11612
1914, U.S. Geol. Surv., Prof. Paper 83, p. 102, pl. 46, figs. 1–10; pl. 89, figs. 10–13.
Middle Triassic, *Ceratites trinodosus* subzone of *Daouella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

- pilsbryi** Anderson, **Hamiticeras** Plasto-Holotype 5876
1938, Geol. Soc. Amer., Spec. Paper 16, p. 216, pl. 79, fig. 1 (30 November).
Lower Cretaceous, locality unknown.
- pilsbryi** Anderson, **Hamiticeras** Virtual Plasto-Paratype 8480
1938, Geol. Soc. Amer., Spec. Paper 16, p. 216 (30 November).
Lower Cretaceous, Argonaut zone, Cottonwood Creek, near mouth of Eagle
Creek, Shasta County, California.
- pinguis** Smith, **Jovites (Bacchites)** Plasto-Holotype 10964
1927, U.S. Geol. Surv., Prof. Paper 141, p. 53, pl. 14, figs. 10-12.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, south end of Brock Mountain, Shasta County, California.
- pittensis** Anderson, **Scaphites** Holotype 10820
1958, Geol. Soc. Amer., Mem. 71, p. 252, pl. 19, figs. 4-4A (6 June).
Upper Cretaceous, Turonian, 1 mile north of Frazier Corners, Shasta
County, California.
- planulatum?** Sowerby var., **Desmoceras (Puzozia) [Puzozia]**
Plasto-Hypotype 10439
Whiteaves, 1900, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 4, p. 282, pl. 36, fig. 2;
pl. 37, fig. 2 (November).
Cretaceous, Maple Island, Queen Charlotte Islands, British Columbia,
Canada.
- plicatulus** Smith, **Columbites** Plasto-Holotype 11436
Plasto-Paratype 11437
1914, U.S. Geol. Surv., Prof. Paper 83, p. 37, pl. 20, figs. 15-16; pl. 87, figs. 15-16.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, south
fork of American Canyon, West Humboldt Range, Nevada.
- polygyratus** Smith, **Celtites** Plasto-Holotype 11431
Plasto-Paratypes 11432-11433
1914, U.S. Geol. Surv., Prof. Paper 83, p. 35, pl. 20, figs. 1-4.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, south
fork of American Canyon, West Humboldt Range, Nevada.
- poniente** Anderson, **Shasticioceras** Holotype 8905
Paratype 8906
Virtual Paratype 8907
Hypotype [Paratype], mold and cast 8908-8908B
1938, Geol. Soc. Amer., Spec. Paper 16, p. 204, pl. 57, figs. 1-3; pl. 67, figs. 4-5; pl. 68,
fig. 3 (30 November).
Lower Cretaceous, Mitchell zone, Horsetown Group, near Mitchell Creek,
Shasta County, California.
- popenoei** Anderson, **Pulchellia** Plasto-Holotype 8803
1938, Geol. Soc. Amer., Spec. Paper 16, p. 197, pl. 73, figs. 1-2 (30 November).

Lower Cretaceous, Horsetown Group, Roaring River, about $\frac{1}{4}$ mile west of Millsap Road and about $5\frac{1}{2}$ miles southwest of Ono, Shasta County, California.

populorum Anderson, **Chelonicer**as Holotype 8844
Virtual Paratype 8845
1938, Geol. Soc. Amer., Spec. Paper 16, p. 177, pl. 53, fig. 2 (30 November).

Lower Cretaceous, Bradley zone, Horsetown Group, north fork of Cottonwood Creek, about $1\frac{1}{2}$ miles above mouth of Hulen Creek, Shasta County, California.

porrectiformis Anderson, **Cylindroteuthis** Holotype 8955
Paratype 8956
1945, Bull. Geol. Soc. Amer., vol. 56, p. 988, pl. 9, figs. 3A, 3C (October).

Upper Jurassic, Tithonian, upper Newville Group, 6 miles north of Winslow Bridge, Glenn County, California.

powelli Smith, **Tropigastrites** Plasto-Holotype 11417
Plasto-Paratypes 11418-11421

1914, U.S. Geol. Surv., Prof. Paper 83, p. 31, pl. 18, figs. 1-2, 7-8A; pl. 97, figs. 1-8.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and the south fork of American Canyon, West Humboldt Range, Nevada.

propinqua Whiteaves, **Schloenbachia** Plasto-Lectotype 10440
Plasto-Plesiotype [?Paralectotype] 10441

1884, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 3, p. 247, (April); figured in vol. 1, pt. 4, pl. 33, figs. 2-2A (November 1900).

Jurassic, south side of Maud Island, British Columbia, Canada.

pseudofieldingi (Fucini), **Protogrammoceras** ? cf. **P.** ? Hypotype 12789
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 40, pl. 7, figs. 5-7.

Lower Jurassic, Nicely shale, Delintment Lake quadrangle, Grant County, Oregon.

puertoense Anderson, **Bostrychoceras** Holotype 10738
1958, Geol. Soc. Amer., Mem. 71, p. 204, pl. 67, fig. 4 (6 June).

Upper Cretaceous, Maestrichtian, Panoche Formation, near "Swallow Rock," Puerto Creek, Stanislaus County, California.

puertoensis Anderson, **Nowakites** (?) Holotype 10795
1958, Geol. Soc. Amer., Mem. 71, p. 231, pl. 35, fig. 4 (6 June).

Upper Cretaceous, lower Senonian, Panoche Formation, Puerto Creek, Stanislaus County, California.

puzosiaformis Anderson, **Silesites** Holotype 8799
1938, Geol. Soc. Amer., Spec. Paper 16, p. 191, pl. 20, figs. 9-10 (30 November).

Lower Cretaceous, Buena Ventura zone, Horsetown Group, west branch of Hulen Creek, Shasta County, California.

- pygmaeus** Smith, **Dinarites?** Plasto-Holotype 11516
1914, U.S. Geol. Surv., Prof. Paper 83, p. 70, pl. 89, figs. 8-9.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- pygmaeus** Smith, **Metasibirites** Plasto-Holotype 11057
1927, U.S. Geol. Surv., Prof. Paper 141, p. 65, pl. 59, figs. 34-36.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.

Q

- quadratus** Gabb, **P[tychoceras]. (?Hamites)** Plasto-Holotype 8406
1864, Geol. Surv. Calif., Palaeont., vol. 1, p. 74, pl. 15, fig. 21.
Cretaceous, lower Division (A), Pence's Ranch, Butte County, California.
- quadrilabiatus** Hauer, **Arcestes (Proarcestes)** Plasto-Plesiotype 11450
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 44, pl. 93, figs. 15-16.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- quintoense** Anderson, **Peroniceras** Holotype 19831
1958, Geol. Soc. Amer., Mem. 71, p. 260, pl. 47, figs. 1-1A (6 June).
Upper Cretaceous, Coniacian, Panoche Formation, Quinto Creek, Stanislaus County, California.
- quintoensis** Anderson, **Oppelia (Streblites)** Holotype 10418
Paratypes 10419-10420
1945, Bull. Geol. Soc. Amer., vol. 56, p. 983, pl. 6, figs. 9A-9C (October).
Upper Jurassic, near Hawk Rock, north of Quinto Creek, Stanislaus County, California.

R

- radiusum** Waagen, **Meekoceras** Plasto-Plesiotypes 11882-11883
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 59, pl. 51, figs. 1-4.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Mountains, about 15 miles southeast of Independence, Inyo County, California.
- ragazzoni** (Hauer), **Reynesoceras** cf. **R.** Hypotype 12781
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 28, pl. 1, fig. 33.
Lower Jurassic, Nicely shale, Izee quadrangle, Grant County, Oregon.
- ramosus** Meek, **Ammonites (Scaphites?)** Plasto-Holotype 10435
1857, Trans. Albany Inst., vol. 4, p. 45.
Cretaceous, Nanaimo, Vancouver Island, British Columbia, Canada.

- rancheriae** Anderson, **Mammites** Holotype (mold) 10817
Holotype (cast) 10817A
1958, Geol. Soc. Amer., Mem. 71, p. 247, pl. 49, fig. 1 (6 June).
Upper Cretaceous, lower Turonian, $\frac{1}{2}$ mile west of Henley, Siskiyou County, California.
- randalli** Anderson, **Mortoniceras** (**Submortoniceras**) Holotype 10855
1958, Geol. Soc. Amer., Mem. 71, p. 269, pl. 50, figs. 2-2A (6 June).
Upper Cretaceous, type Chico Formation, southeast bank of Big Chico Creek, 3.6 miles from 10 Mile House on Humboldt Road east of Chico, Butte County, California.
- ransomei** Smith, **Ceratites** (**Philippites**) Plasto-Holotype 11644
Plasto-Paratype 11645
1914, U.S. Geol. Surv., Prof. Paper 83, p. 108, pl. 99, figs. 1-4.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Wheeler Mine, Buena Vista Canyon, near Unionville, West Humboldt Range, Nevada.
- rectangularis** Smith, **Ceratites** Plasto-Holotype 11539
1914, U.S. Geol. Surv., Prof. Paper 83, p. 85, pl. 41, figs. 14-15.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, divide between Troy Canyon and the south fork of American Canyon, West Humboldt Range, Nevada.
- recticostatium** (Seunes), **Diplomoceras** aff. **D.** Hypotype 10730
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 200, pl. 62, fig. 6 (6 June).
Upper Cretaceous, Campanian, north side of Briones Valley, Contra Costa County, California.
- rectoris** Anderson, **Neocraspedites** Holotype 8778
1938, Geol. Soc. Amer., Spec. Paper 16, p. 157, pl. 23, fig. 2 (30 November).
Lower Cretaceous, Ono zone, Horsetown Group, mouth of Rector Creek, near Ono, Shasta County, California.
- reedi** Anderson, **Aulacosphinctes** Holotype 8715
1945, Bull. Geol. Soc. Amer., vol. 56, p. 978, pl. 6, fig. 10; pl. 7, fig. 3 (October).
Upper Jurassic, Tithonian, Newville Group, Watson Creek, $6\frac{1}{2}$ miles north of Winslow Bridge, Glenn County, California.
- reesidei** Anderson, **Chelonicerias** Holotype 8848
1938, Geol. Soc. Amer., Spec. Paper 16, p. 178, pl. 47, fig. 1 (30 November).
Lower Cretaceous, upper Horsetown Group, west branch of Hulen Creek, Shasta County, California.
- reesidei** Johnston, **Clionites** Plasto-Holotype 11331
Plasto-Paratypes 11332-11339
1941, Jour. Paleont., vol. 15, no. 5, p. 451, pl. 58, figs. 19-25; pl. 59, figs. 1-9; text figs. 1B-1C (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

reesidei Anderson, **Puzosia** Holotype 8841
Paratype 8842

1938, Geol. Soc. Amer., Spec. Paper 16, p. 187, pl. 38, figs. 2-3 (30 November).

Lower Cretaceous, Buenaventura zone, Horsetown Group, west branch of Hulen Creek, Shasta County, California.

remondi Gabb, **Crioceras** (?**Ancyloceras**) Plasto-Holotype 8737
1864, Geol. Surv. Calif., Palaeont., vol. 1, p. 75, pl. 14, fig. 24.

Lower Cretaceous, north fork of Cottonwood Creek, Shasta County, California.

remondi (Gabb), **Hoplocrioceras** Hypotypes 8893-8893B, 8895-8896
Plasto-Hypotype 8894

Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 201, pl. 62, figs. 2-2A, 4-6; pl. 63, figs. 1-2 (30 November).

Lower Cretaceous, Eagle Creek, near Ono, Duncan Creek, and Ono zone near Ono, east of Mitchell Creek, Shasta County, California; near Riddle, Oregon.

remondii Gabb, **Ammonites** Plasto-Holotype 8885
1864, Geol. Surv. Calif., Palaeont., vol. 1, p. 66, pl. 12, figs. 14-14A.

Cretaceous, north fork of Cottonwood Creek, Shasta County, California.

reticulatus Smith, **Tropites** Plasto-Holotype 10903
Plasto-Paratype 10904

1927, U.S. Geol. Surv., Prof. Paper 141, p. 34, pl. 76, figs. 8-14.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

retrorsus Hyatt, **Nostoceras stantoni** var. Plasto-Holotype 4709B
1894, Proc. Amer. Philos. Soc., vol. 32, no. 143, p. 570 (24 July).

Cretaceous, Chatfield, Novarro County, Texas.

rex Anderson, **Baculites** Holotype 10708
1958, Geol. Soc. Amer., Mem. 71, p. 191, pl. 49, fig. 2 (6 June).

Upper Cretaceous, south side of Crow Creek, west side of San Joaquin Valley, California.

rex Anderson, **Baculites** Hypotype 12153
Matsumoto, 1959, Mem. Faculty Sci., Kyushu Univ., ser. D., Geol., vol. 8, no. 4, p. 136,

pl. 31, figs. 5A-D (25 March).

Upper Cretaceous, back of Antelope plain, southwest San Joaquin Valley, California.

rex Mojsisovics, **Pinacoceras** Plasto-Plesiotypes 11083-11085
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 75, pl. 62, figs. 18-20; pl. 103, figs.

13-14.

- Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone: Hosselkus limestone, north fork of Squaw Creek, Shasta County, California; north entrance to Herring Bay, Admiralty Island, Alaska.
- richardsoni** Anderson, **Kotôceras** Holotype 10763
1958, Geol. Soc. Amer., Mem. 71, p. 217, pl. 36, figs. 3-3A (6 June).
Upper Cretaceous, Coniacian, 4 miles north of Montague, Siskiyou County, California.
- riddlensis** Anderson, **Neocomites** Holotype 8772
Paratype 8773-8774
1938, Geol. Soc. Amer., Spec. Paper 16, p. 167, pl. 30, figs. 1-4 (30 November).
Lower Cretaceous, upper Valanginian, Paskenta Group, about 1 mile south-east of Riddle, Oregon.
- robustus** Hyatt and Smith, **Clionites (Traskites)** Plasto-Holotype 11123
Plasto-Paratypes 11124-11125
1905, U.S. Geol. Surv., Prof. Paper 40, p. 186, pl. 42, figs. 1-8.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- robustus** Hyatt and Smith, **Clionites (Traskites)** Plasto-Plesiotype 11126
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 87, pl. 66, figs. 30-32.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- rogersi** Johnston, **Paracladiscites** Plasto-Holotype 11384
1941, Jour. Paleont., vol. 15, no. 5, p. 478, pl. 65, figs. 8-9 (September).
Upper Triassic, Karnic, *Trachyceras* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.
- rogersi** Hall and Ambrose, **Sommeratia** Plasto-Holotype 4241
1916, Nautilus, vol. 30, no. 6, p. 69 (October).
Middle Cretaceous, Horsetown Group, Corral Hollow, $\frac{3}{4}$ mile south of Carnegie, Tesla quadrangle, California.
- rogersi** Hall and Ambrose, **Sommeratia** Hypotypes 8866-8867
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 197, pl. 20, figs. 6-7 (30 November).
Lower Cretaceous, Perrin zone, Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- roguense** Anderson, **Cunningtoniceras** Plasto-Holotype 10814
1958, Geol. Soc. Amer., Mem. 71, p. 246, pl. 15, figs. 1-1A (6 June).
Upper Cretaceous, Cenomanian, 49-Mine, near Phoenix, Oregon.
- roguensis** Anderson, **Scaphites aff. S.** Plasto-Hypotype 10822
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 250, pl. 9, fig. 5 (6 June).
Upper Cretaceous, upper Cenomanian, Salt Creek $\frac{1}{4}$ mile upstream from first

- rotuloides** Smith, **Ceratites** Plasto-Holotype 11519
 Plasto-Paratypes 11520–11521
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 80, pl. 47, figs. 1–7.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada; south fork of Cottonwood Canyon, West Humboldt Range, Nevada [see also Smith, 1914, p. 196].
- rotundus** Smith, **Paratropites (Gymnotropites)** Plasto-Holotype 10979
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 47, pl. 25, figs. 14–15.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- rotundus** Smith, **Proteusites** Plasto-Holotype 12078
 Plasto-Paratype 12079
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 102, pl. 53, figs. 5–8.
 Lower Triassic, *Owenites* subzone of *Meckoceras* zone, Union Wash, Inyo Mountains, about 15 miles southeast of Independence, Inyo County, California.
- rugosus** Hyatt and Smith, **Clionites (Stantonites)** Plasto-Holotype 11140
 Plasto-Paratype 11141
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 185, pl. 41, figs. 15–19.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- runseyensis** Anderson, **Nowakites** Holotype 10794
 1958, Geol. Soc. Amer., Mem. 71, p. 231, pl. 45, fig. 3 (6 June).
 Upper Cretaceous, Coniacian, lower Senonian, Sand Creek, Colusa County, California.
- russelli** Smith, **Ceratites (Gymnotoceras)** Plasto-Holotype 11666
 Plasto-Paratype 11667
 Plasto-Plesiotypes [Paratypes] 11668–11671
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 111, pl. 3, figs. 1–3, ?6; pl. 67, figs. 1–12.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- russelli** Hyatt and Smith, **Flemingites** Plasto-Holotype 11825
 1905, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, p. 378; pl. 42, fig. 5; pl. 43, figs. 5–6.
 Lower Triassic, *Meckoceras* beds, Wood Canyon, Aspen Mountains, 9 miles east of Soda Springs, Idaho.
- russelli** Hyatt and Smith, **Flemingites** Plasto-Plesiotype 11826
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 121, pl. 1, figs. 1–3.
 Lower Triassic, *Meckoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.

- russelli** Hyatt and Smith, **Flemingites** Plasto-Plesiotype 11827
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 53, pl. 26, figs. 14-20.
Lower Triassic, *Meekoceras* zone, 1 mile east of Hot Springs, Bear Lake County, Idaho.
- russelli** Hyatt, **Rhabdoceras** Plasto-Plesiotype 11166
Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 203, pl. 47, figs. 13-15.
Upper Triassic, Noric, near Genesee, Plumas County, California.
- S
- sacramentica** (Anderson), **Sonneratia** Hypotype 8859
1938, Geol. Soc. Amer., Spec. Paper 16, p. 195, pl. 49, fig. 3 (30 November).
Lower Cretaceous, probably from Perrin zone, Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- sacramenticus** Anderson, **Pachydiscus** Plasto-Holotype 5348
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 105, pl. 6, figs. 133-134; pl. 10, fig. 195 (24 December).
Cretaceous, upper Horsetown Group, east branch of Hulen Creek, Shasta County, California.
- sakuntala** Diener, **Ophiceras** Plasto-Plesiotypes 11811-11813
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 50, pl. 54, figs. 1-5; pl. 56, figs. 13-15.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Mountains, about 15 miles southeast of Independence, Inyo County, California; Cottonwood Canyon, east side of Ruby Range, Elko County, Nevada.
- sanctaemonicae** Waring, **Placenticerias** Plasto-Holotype 5075
?Plasto-Paratype 5087
?Paratype and cast 5088-5088A
1914, Calif. State Mining Bur., Map Folio, Bull. 69, text inside front cover, pl. 1, fig. 11 (October).
Upper Cretaceous, Chico Formation, 4 miles northwest of Santa Monica, Los Angeles County, California.
- sanctaeanae** Anderson, **Bostrychoceras** Plasto-Holotype 10744
1958, Geol. Soc. Amer., Mem. 71, p. 206, pl. 52, figs. 3-4 (6 June).
Upper Cretaceous, Trabuco Creek, Orange County, California.
- sanctorum** Smith, **Meekoceras** Plasto-Holotype 11884
Plasto-Paratype 11885
1932, U.S. Geol. Surv., Prof. Paper 167, p. 59, pl. 49, figs. 1-4.
Lower Triassic, *Columbites* zone, Paris Canyon, 1 mile west of Paris, Idaho.
- sandlingensis** Hauer, **Discotropites** Plasto-Plesiotypes 10932-10935
Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 63, pl. 35, figs. 1-12.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus

limestone, between Squaw Creek and Pit River, 6 miles northeast of Winthrop, Shasta County, California.

saturnale Anderson, **Lytoceras (Saturnoceras)** Plasto-Holotype 8743
1938, Geol. Soc. Amer., Spec. Paper 16, p. 145, pl. 13, fig. 1 (30 November).

Lower Cretaceous, probably from upper Paskenta Group, Cottonwood Creek, Shasta County, California.

sauperi Hauer, **Styrionautilus** Plasto-Plesiotype 11191
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 107, pl. 85, figs. 12-14.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, west side of Brock Mountain, Shasta County, California.

scharfi Anderson, **Parahoplites** Plasto-Holotype 8795
1938, Geol. Soc. Amer., Spec. Paper 16, p. 170, pl. 73, figs. 4-5 (30 November).

Lower Cretaceous, Aptian, Horsetown Group, north end of Bald Hills, about ½ mile north of Roaring River and about 4 miles south and 1 mile west of Ono, Shasta County, California.

schellwieni Smith, **Tropites** Plasto-Holotype 10899
Plasto-Paratype 10900

1927, U.S. Geol. Surv., Prof. Paper 141, p. 34, pl. 77, figs. 1-6.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

schencki Johnston, **Arpadites** Plasto-Holotype 11348

1941, Jour. Paleont., vol. 15, no. 5, p. 458, pl. 60, figs. 1-2, text fig. 1-E (September).

Upper Triassic, Karnic, *Trachyceras* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

schucherti Smith, **Klamathites** Plasto-Holotype 11089

1927, U.S. Geol. Surv., Prof. Paper 141, p. 74, pl. 62, figs. 14-17.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

sellai Mojsisovics, **Paratropites** Plasto-Plesiotypes 10965-10971

Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 45, pl. 30, figs. 6-10; pl. 31, figs. 1-10.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

selwynianus (Whiteaves), **Desmophyllites** Hypotype 10759

Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 215, pl. 40, fig. 2 (6 June).

Upper Cretaceous, Coniacian, south border of Antelope Valley, Kern County, California.

semiglobosus Hauer, **Halorites (Homerites)**

Plasto-Plesiotypes 10996-10997

Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 43, pl. 28, figs. 19-23.

Upper Triassic, Hosselkus limestone, divide between Squaw Creek and Pit River, and west bank of north fork of Squaw Creek, Shasta County, California.

sengeli (Mojsisovics), **Discotropites** Plasto-Plesiotypes 10947-10948
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 42, pl. 10, figs. 15-18.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end of Brock Mountain, Shasta County, California.

senilis Mojsisovics, **Margarites** Plasto-Plesiotype 10989
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 49, pl. 58, figs. 33-34.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

seniloides Anderson, **Parahoplitoides** Holotype 8786
1938, Geol. Soc. Amer., Spec. Paper 16, p. 168, pl. 32, fig. 1 (30 November).

Lower Cretaceous, Shoup zone, Horsetown Group, 4.5 miles south of Ono, Shasta County, California.

septentrionalis Smith, **Juvavites (Anatomites)** Plasto-Holotype 11031
1927, U.S. Geol. Surv., Prof. Paper 141, p. 58, pl. 19, figs. 33-34.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Nikolai Creek, Nizina district, Alaska.

septentrionalis Smith, **Margarites** Plasto-Holotype 10990
1927, U.S. Geol. Surv., Prof. Paper 141, p. 49, pl. 59, figs. 27-29.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

septentrionalis Smith, **Megaphyllites** Plasto-Holotype 11445
Plasto-Paratype 11446

1914, U.S. Geol. Surv., Prof. Paper 83, p. 42, pl. 21, figs. 4-6.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

serpiens Anderson, **Bostrychoceras** Paratype 10739
1958, Geol. Soc. Amer., Mem. 71, p. 204, pl. 20, fig. 7 (6 June).

Upper Cretaceous, Turonian, near Phoenix, Oregon.

sextoni Anderson, **Phylloceras** Holotype 8736
1938, Geol. Soc. Amer., Spec. Paper 16, p. 140, pl. 12, fig. 3 (30 November).

Lower Cretaceous, Mitchell zone, Horsetown Group, near Jordan Gate, Ono-Beegum road, 5 miles south of Ono, Shasta County, California.

shastalense Anderson, **Phylloceras** Plasto-Plesiotype 5077
Waring, 1914, Calif. State Mining Bur., Map Folio, Bull. 69, text on inside of front cover, pl. 1, fig. 8.

Middle Cretaceous, Horsetown Formation, south of Tesla, Alameda County, California.

- shastalense** Anderson, **Phylloceras** Paratype 24
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 80, pl. 4, fig. 114 (24 December).
Cretaceous, Horsetown, Shasta County, California.
- shastense** Reagan, **Acanthoceras** Plasto-Holotype 5080
1924, Pan-Amer. Geol., vol. 41, no. 3, p. 179, pl. 18, fig. 1 (April).
Lower Cretaceous, Horsetown beds, Cottonwood Creek, Shasta County, California.
- shastense** Hyatt and Smith, **Orthoceras** Plasto-Holotype 11170
1905, U.S. Geol. Surv., Prof. Paper 40, p. 210, pl. 48, figs. 4-5.
Upper Triassic, *Tropites subbullatus* zone, between Squaw Creek and Pit River, Shasta County, California.
- shastense** Anderson, **Peroniceras** Plasto-Holotype 10830
1958, Geol. Soc. Amer., Mem. 71, p. 260, pl. 69, figs. 5-5C (6 June).
Upper Cretaceous, Coniacian, Oak Run Creek, 0.4 miles north of Hathaway Home, Shasta County, California.
- shastense** Anderson, **Shastoceras** Plasto-Holotype 8931
1938, Geol. Soc. Amer., Spec. Paper 16, p. 213, pl. 73, fig. 3; pl. 75, fig. 1 (30 November).
Lower Cretaceous, Barr zone, ½ mile east of Millsap Road, Roaring River, Shasta County, California.
- shastense** Smith, **Trachyceras (Protrachyceras)** Plasto-Holotype 11104
1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, p. 391, pl. 46, figs. 9-9A; pl. 48, fig. 3.
Upper Triassic, Karnic, *Tropites subbullatus* zone, Brock Mountain, Shasta County, California.
- shastense** Smith, **Trachyceras (Protrachyceras)** Plasto-Paratype 11105
Plasto-Plesiotypes 11106-11107
1927, U.S. Geol. Surv., Prof. Paper 141, p. 81, pl. 5, figs. 1-2, 7-12.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- shastensis** Anderson, **Acroteuthis** Holotype 8942
1938, Geol. Soc. Amer., Spec. Paper 16, p. 226, pl. 81, fig. 5 (30 November).
Lower Cretaceous, Hamlin-Broad zone, Paskenta Group, near head of Mitchell Creek, 4 miles southwest of Ono, Shasta County, California.
- shastensis** Smith, **Arcestes (Proarcestes)** Plasto-Holotype 11068
Plasto-Paratype 11069
1927, U.S. Geol. Surv., Prof. Paper 141, p. 69, pl. 22, figs. 7-11.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.
- shastensis** Smith, **Cosmonutilus** Plasto-Holotype 11224
Plasto-Paratype 11225
1927, U.S. Geol. Surv., Prof. Paper 141, p. 105, pl. 87, figs. 1-6.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, north end and west side of Brock Mountain, Shasta County, California.

shastensis Anderson, **Fagesia** Holotype 4690
1931, Jour. Paleont., vol. 5, no. 2, p. 124, pl. 16, fig. 3; text fig. 1B (June).

Upper Cretaceous, lower Turonian, Chico beds, middle fork of Cottonwood Creek, about 6 miles southwest of Gas Point, Shasta County, California.

shastensis Smith, **Juvavites (Anatomites)** Plasto-Holotype 11033
1927, U.S. Geol. Surv., Prof. Paper 141, p. 58, pl. 19, figs. 30-32.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, 1 mile north of quarry on west side of Brock Mountain, Shasta County, California.

shastensis Anderson, **Melchiorites** Holotype 8812
Paratype 8813

1938, Geol. Soc. Amer., Spec. Paper 16, p. 182, pl. 40, figs. 1-2 (30 November).

Lower Cretaceous, upper middle Horsetown Group, Alderson Creek, 2 miles south of Ono, Shasta County, California.

shastensis Smith, **Metasibirites** Plasto-Holotype 11058
1927, U.S. Geol. Surv., Prof. Paper 141, p. 65, pl. 61, figs. 22-24.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.

shastensis Smith, **Paratropites (Paulotropites)** Plasto-Holotype 10984
Plasto-Paratype 10985

1927, U.S. Geol. Surv., Prof. Paper 141, p. 47, pl. 57, figs. 12-18.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, old stone quarry on Brock Mountain, Shasta County, California.

shastensis Smith, **Sagenites (Trachysagenites)** Plasto-Holotype 11046
1927, U.S. Geol. Surv., Prof. Paper 141, p. 62, pl. 12, figs. 9-11.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

shastensis Smith, **Tropites** Plasto-Holotype 10902
1927, U.S. Geol. Surv., Prof. Paper 141, p. 34, pl. 78, figs. 1-4.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

shoupi Anderson, **Parahoplitoides** Holotype 8787

1938, Geol. Soc. Amer., Spec. Paper 16, p. 168, pl. 32, fig. 2 (30 November).

Lower Cretaceous, Shoup zone, Bee Creek, 4 miles south of Ono, Shasta County, California.

- signalis** Anderson, **Neocraspedites** Holotype 8777
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 157, pl. 26, fig. 1 (30 November).
 Lower Cretaceous, Horsetown Group, 5 miles north of Paskenta, Tehama
 County, California.
- silviesi** Hertlein, **Uptonia** Plasto-Holotype 5094
 1925, Bull. South. Calif. Acad. Sci., vol. 24, pt. 2, p. 39, pl. 3, figs. 1-2, 5 (17 August).
 Middle lower Jurassic, Charmouthian, 18 miles north of Burns, Harney
 County, Oregon.
- sinclairi** Smith, **Nevadites** Plasto-Holotype 11722
 Plasto-Paratype 11723
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 126, pl. 81, figs. 17-19; pl. 82, figs. 1-3.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- siskiyouense** (Anderson), **Oregoniceras** Plasto-Hypotypes 10846-10847
 Hypotypes 10856-10857
 1958, Geol. Soc. Amer., Mem. 71, p. 266, pl. 23, figs. 2-3; pl. 24, figs. 1-3 (6 June).
 Upper Cretaceous, Rancheria Creek, near Henley, Siskiyou County, Cali-
 fornia; upper Turonian, 49-Mine, 2 miles south of Phoenix, Oregon.
- siskiyouensis** Anderson, **Desmophyllites** Holotype 10760
 Paratype 10761
 Hypotype [Paratype] 10762
 1958, Geol. Soc. Amer., Mem. 71, p. 215, pl. 35, figs. 3-3A; pl. 41, figs. 1-2 (6 June).
 Upper Cretaceous, Coniacian, 4 miles north of Montague, Siskiyou County,
 California; Enos Canyon, Yolo County, California.
- siskiyouensis** Anderson, **Fagesia** Holotype 4689
 1931, Jour. Paleont., vol. 5, no. 2, p. 125, pl. 17, figs. 2-3 (June).
 Upper Cretaceous, uppermost Turonian, middle Chico beds, near Henley,
 Siskiyou County, California.
- siskiyouensis** Anderson, **Schloenbachia** Holotype 25
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol. vol. 2, no. 1, p. 119, pl. 1, figs. 19-20 (24
 December).
 Cretaceous, 49-Mine, near Phoenix, Jackson County, Oregon.
- smithi** Kummel, **Paranautilus** Plasto-Plesiotypes 11989-11991
 1953, U.S. Geol. Surv., Prof. Paper 250, p. 71, pl. 4, figs. 11-12.
 Middle Triassic, *Daonella dubia* zone, *Ceratites trinodosus* subzone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada;
 north side of South Canyon, New Pass, Desatoya Range, Lander County,
 Nevada.
- solidus** Smith, **Atractites** Plasto-Holotype 11751
 Plasto-Paratype 11752
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 140, pl. 96, figs. 1-4.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

species **spathi** Anderson, **Acanthoplites** [*Acanthohoplites*] Holotype 8804
Paratype 8805

1938, Geol. Soc. Amer., Spec. Paper 16, p. 173, pl. 41, figs. 3-4 (30 November).

Lower Cretaceous, Buenaventura zone, Horsetown Group, west branch of Hulen Creek, Shasta County, California.

species. Ammonite Hypotype 13117

Richardson, 1968, Pac. Discovery, vol. 21, no. 2, p. 33, upper fig. (April).

Cretaceous, Fiddler's Gulch, 2 miles east of old Millsap Road and 2 miles above mouth of creek, Shasta County, California.

[species], Ammonite Hypotype 10563

[Anonymous] 1958, Sunset Magazine, vol. 120, no. 3, figure on p. 64 (March).

Cretaceous, 10,000 to 10,500 feet in from mouth of Hetch Hetchy Tunnel, San Joaquin County, California.

species indet. Johnston, **Arcestes** (**Anisarcestes**?)

Plasto-Plesiotypes 11368-11371

1941, Jour. Paleont., vol. 15, no. 5, p. 474, pl. 63, figs. 5-12; text figs. 2F-2G (September).

Upper Triassic, Karnic, *Joannites* and *Trachyceras* zones, Star Peak Formation, South Canyon, New Pass Range, Nevada.

species Hertlein, **Baculites** Hypotype 7781

1951, Calif. State Div. Mines, Bull. 154, pt. 4, p. 189, fig. 1, no. 6 (December).

Upper Cretaceous, in creek south of aqueduct tunnel, Arroyo del Valle, Alameda County, California.

species Hanna and Hertlein, **Bochianites** [see *B. glennensis* Anderson]

Hypotype 5959

1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 61-22 (11 September).

Upper Jurassic, Knoxville series, 6½ miles north of Winslow Bridge, western Glenn County, California.

species Hertlein, **Desmoceras** (see *Desmophyllites yolocensis*) Hypotype 9816

1951, Calif. State Div. Mines, Bull. 154, pt. 4, p. 191, fig. 2, no. 10 (December).

Upper Cretaceous, probably from Enos Canyon, about 7 miles west of Winters, Yolo County, California.

species Engel, **Discotropite** (?) Hypotypes 12354-12355

1959, Calif. State Div. Mines, Bull. 146, p. 20, figs. 3-1A, 3-1B.

Upper Triassic, between Bedford Peak and Pleasants Peak, Orange County, California.

species B, **Fuciniceras** Hypotype 12794

Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 42, pl. 7, figs. 18-19.

Lower Jurassic, Nicely (?) shale, Seneca quadrangle, Grant County, Oregon.

species Kummel, **Germanonutilus** Plasto-Plesiotype 11977

1953, U.S. Geol. Surv., Prof. Paper 250, p. 31.

Upper Triassic, massive limestone by roadside $\frac{1}{2}$ mile south of spring in mouth of Union Canyon, west front of Shoshone Range, Tonopah quadrangle, Nevada.

species Kummel, **Germanonutilus** Plasto-Plesiotypes 11978-11979

1953, U.S. Geol. Surv., Prof. Paper 250, p. 31.

Upper Triassic, Gold Bay District, Alaska Peninsula, and along south bank of Yukon River, about 1 mile above Nation River, Alaska.

species Imlay, **Grammoceras?** Hypotype 12810

1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 45, pl. 9, fig. 10.

Lower Jurassic, Snowshoe Formation, roadcut southwest of South Fork Bridge, Grant County, Oregon.

species Imlay, **Harpoceras?** Hypotype 12788

1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 36, pl. 5, fig. 23.

Lower Jurassic, Nicely shale, Grant County, Oregon.

species indet. Westermann, **Harpoceras (Harpoceras?)** Hypotype 12602

1964, Bull. Amer. Paleont., vol. 47, no. 216, p. 450, pl. 75, figs. 1A-B (28 August).

Late early Jurassic, *E. howelli* zonule, believed to be derived from Toarcian, type locality of Kialagvik Formation, west shore of Wide Bay just south of mouth of Pass Creek, Alaska Peninsula, Alaska.

species Hanna and Hertlein, **Hibolites** Hypotype 5960

1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print of pt. 2, p. 168, fig. 61-20 (11 September).

Upper Jurassic, lower Knoxville series, 3 miles north of old Knoxville (Red-dington mine), northern Napa County, California.

species Engel, **Juvavite (?)** Hypotypes 12359-12360

1959, Calif. State Div. Mines, Bull. 146, p. 20, figs. 3-5A, 3-5B.

Upper Triassic, between Bedford Peak and Pleasants Peak, Orange County, California.

species Hertlein, **Mantelliceras** Hypotype 4290

1956, Bull. Amer. Assoc. Petrol. Geol., vol. 40, no. 8, p. 1986, pl. 1, figs. 1-4 (August).

Middle Cretaceous, on beach just north of Bird Rock (Needles), north end of Golden Gate Bridge, Marin County, California.

[species, **Parahoplitoides**] Hypotype 4285

Anonymous, Standard Oil Co. of Calif. Bull., vol. 35, no. 5, back of front cover, illustrated on front cover.

Lower Cretaceous, Alderson Gulch, north fork of Cottonwood Creek, 2 miles south of Ono, Shasta County, California.

- species Kummel, **Paranautilus** Plasto-Plesiotype 11980
 1953, U.S. Geol. Surv., Prof. Paper 250, p. 72, pl. 8, figs. 8-9.
 Upper Triassic, Luning? Formation, north side of Union Canyon about 1½
 miles above mouth, Shoshone Range, Tonopah quadrangle, Nevada.
- species Kummel, **Pleuromutilus** Plasto-Plesiotype 11982
 1953, U.S. Geol. Surv., Prof. Paper 250, p. 38.
 Lower Triassic, middle limestone member of Thaynes Formation, Paris
 Canyon, Idaho.
- species Kummel, **Pleuromutilus** Plasto-Plesiotype 11983
 1953, U.S. Geol. Surv., Prof. Paper 250, p. 39.
 Lower Triassic, beds above *Meekoceras* zone, Thaynes Formation, Little
 Water Canyon, 6 miles west of Dell, southwestern Montana.
- species Anderson, **Proniceras** Hypotype 10464
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 983, pl. 14, fig. 3 (October).
 Jurassic, Tithonian, 3.5 miles north of Winslow Bridge, near Alder Springs
 Road, Glenn County, California.
- species Anderson, **Pseudocrioceras** Hypotype 8898
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 306, pl. 61, figs. 3-3A (30 November).
 Lower Cretaceous, Eagle Creek, near Ono, Shasta County, California.
- species Kummel, **Styrionutilus** Plasto-Plesiotype 12001
 1953, U.S. Geol. Surv., Prof. Paper 250, p. 80, pl. 15, fig. 16; text fig. 39.
 Middle Triassic, Anisian, South Canyon, New Pass, Desatoya Range, Ne-
 vada.
- species Imlay, **Whitbyceras** ? Hypotype 12795
 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 43, pl. 5, figs. 26-28.
 Lower Jurassic, Suplee(?) Formation, north side of Bear Valley, Seneca
 quadrangle, Grant County, Oregon.
- spencei Smith, **Columbites** Plasto-Holotype 12099
 Plasto-Paratypes 12100-12105
 1914, U.S. Geol. Surv., Prof. Paper 83, p. 36, pl. 70, figs. 1-16.
 Lower Triassic, *Columbites* zone, Paris Canyon, 1½ miles west of Paris,
 Bear Lake County, Idaho.
- spencei Hyatt and Smith, **Ophiceras** Plasto-"Cotypes" [Syntypes] 11809-11810
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 119, pl. 62, figs. 1-7.
 Lower Triassic, *Columbites* zone, 1 mile west of Paris, Bear Lake County,
 Idaho.
- sphaericus Smith, **Jovites (Bacchites)** Plasto-Holotype 10972
 Plasto-Paratype 10973
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 54, pl. 14, figs. 6-9.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.

spiculoides Anderson, **Belemnopsis** Holotype 8984
Paratype 8985

1945, Bull. Geol. Soc. Amer., vol. 56, p. 991, pl. 1, figs. 3a-b (October).

Upper Jurassic, upper Newville Group, 3 miles north of Knoxville, Napa County, California.

spinifer Smith, **Ceratites** Plasto-Holotype 11613
Plasto-Paratypes 11614-11619

1914, U.S. Geol. Surv., Prof. Paper 83, p. 103, pl. 59, figs. 1-10; pl. 60, figs. 1-12.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

spiniferum Whiteaves, **Acanthoceras** Plasto-Hypotype 10404
1900, Geol. Surv. Canada, Mesozoic Fossils, vol. 1, pt. 4, p. 273, pl. 35, figs. 3-3A (November).

Cretaceous, east end of Maude Island, Queen Charlotte Islands, British Columbia, Canada.

spinosum (Kossmat), **Calycoceras** cf. Hypotype 12134
Matsumoto, 1959, Mem. Faculty Sci., Kyushu Univ., ser. D, Geol., spec. vol. 1, pt. 2, p. 72, pl. 21, fig. 2; text fig. 29 (10 November).

Upper Cretaceous, Willows Creek, Fruto quadrangle, west side of Sacramento Valley, Glenn County, California.

spirolobus (Dittmar), **Proclydonautilus** Plasto-Plesiotypes 11180-11181
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 103, pl. 88, figs. 6-9.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, north end and east side of Brock Mountain, Shasta County, California.

spurri Smith, **Ceratites (Gymnotoceras)** Plasto-Holotype 11672
1914, U.S. Geol. Surv., Prof. Paper 83, p. 112, pl. 67, figs. 16-18.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

spurri Smith, **Syringoceras** Plasto-Holotype 11188
1927, U.S. Geol. Surv., Prof. Paper 141, p. 106, pl. 104, figs. 8-9.

Upper Triassic, *Pseudomonotis subcircularis* zone, Star Peak Formation, Muttelberry Canyon, about 8 miles southeast of Lovelock, West Humboldt Range, Nevada.

stanislausense Anderson, **Lyelliceras** Holotype 10816
1958, Geol. Soc. Amer., Mem. 71, p. 247, pl. 8, figs. 5-5A (6 June).

Upper Cretaceous, lower Cenomanian, upper branch of Garzas Creek, Pacheco Pass quadrangle, Stanislaus County, California.

- stanislausensis** Anderson, **Parapachydiscus** Holotype 10788
 1958, Geol. Soc. Amer., Mem. 71, p. 227, pl. 67, figs. 5-5A (6 June).
 Upper Cretaceous, Maestrichtian, Moreno Formation, Puerto Creek, Orestimba quadrangle, California.
- stantoni** Smith, **Clionites (Traskites)** Plasto-Holotype 11127
 Plasto-Paratype 11128
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 87, pl. 64, figs. 16-20.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, near old stone quarry, Brock Mountain, Shasta County, California.
- stantoni** Anderson, **Parahoplites** Holotype 8782
 Paratype 8783
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 169, pl. 33, fig. 2; pl. 36, fig. 2 (30 November).
 Lower Cretaceous, middle Horsetown Group, near forks of Alderson Creek, 2 miles south of Ono, Shasta County, California; Barr zone, Mitchell Creek, 6 miles south of Ono, Shasta County, California.
- stantoni** Smith, **Proclydonautilus** Plasto-Holotype 11182
 Plasto-Paratype 11183
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 103, pl. 85, figs. 6-11.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.
- stantoni** Anderson, **Sonneratia** Plasto-Holotype 8880
 Plasto-Paratype 8881
 Paratypes 27-27B
 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 105, pl. 3, figs. 91-93 (24 December).
 Cretaceous, upper Horsetown, vicinity of Horsetown, Shasta County, California.
- stantoni** Anderson, **Sonneratia** Plesiotypes 8854-8856
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 196, pl. 50, figs. 5-7 (30 November).
 Lower Cretaceous, upper Horsetown Group, Horsetown, Shasta County, California.
- stantoni** Anderson, **Substeueroceras** Holotype and impression 10452
 Paratypes and impressions 10453-10455
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 982, pl. 11, figs. 3-4, pl. 15, fig. 3 (October).
 Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, western Glenn County, California.
- stantoni** Smith, **Tropites** Plasto-Holotype 10943
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 38, pl. 102, figs. 25-27.
 Upper Triassic, Copper River region, Alaska.

- starrkingi** Anderson, **Acrioceras** Holotype 8897
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 207, pl. 59, figs. 4-4A; pl. 65, fig. 4A (30 November).
 Lower Cretaceous, below Mitchell zone, Horsetown Group, south of Roaring River, Shasta County, California.
- stearnsi** Smith, **Tropites** Plasto-Holotype 10923
 Plasto-Paratypes 10924-10925
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 37, pl. 72, figs. 1-9.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.
- stearnsii** Hemphill, **Loligo** Syntypes 2286-2288, 2321-2322
 1892, Zool., vol. 3, pp. 51-52.
 Recent, San Francisco and Oakland markets, California.
- steindachneri** Mojsisovics, **Celtites** Plasto-Plesiotypes 10994-10995
 Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 51, pl. 58, figs. 8-11.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.
- stentor** Anderson, **Pseudocrioceras** Holotype 8902-8902B
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 206, pl. 61, figs. 1-1A (30 November).
 Lower Cretaceous, below Mitchell zone, Horsetown Group, south of Roaring River, 7 miles south of Ono, Shasta County, California.
- sternbergi** Anderson, **Hamites** Holotype 4254
 Paratype [Paralectotype or Hypotype?] 4255
 1928, Pan-Amer. Geol., vol. 50, no. 4, p. 284, fig. on pl. 9 (November) [named and figured only]. Described and refigured as *Nostoceras sternbergi* by Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 22, text fig. p. 22; pl. 7, fig. 1 (23 December).
 Cretaceous, near mouth of Arroyo Santa Catarina, Baja California.
- stippi** Anderson, **Neocomites** Holotype 10465
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 166, pl. 29, fig. 2 (30 November).
 Lower Cretaceous, *Lucella crassicollis* zone, Paskenta Group, south bank of McCarthy Creek, 3 miles north of Paskenta, California.
- stoliczkai** Collignon, **Calycoceras** Hypotypes 12133, 12152
 Matsumoto, 1959, Mem. Faculty Sci., Kyushu Univ., ser. D, Geol., spec. vol. 1, p. 78, pl. 21, fig. 1; text figs. 33, 35 (10 November).
 Upper Cretaceous, Lodoga quadrangle, west side of Sacramento Valley, Colusa County, California.
- stoliczkanus** Gabb, **Ammonites** Plasto-Holotype 8877
 1869, Geol. Surv. Calif., Palacont., vol. 2, p. 135, pl. 23, figs. 16-16A.
 Cretaceous, Shasta Group, Cottonwood Creek, Shasta County, California.

- storrsi** (Stanton), **Berriasella** Hypotype 10463
 Hypotype (obverse part) 10463A
 Anderson, 1945, Bull. Geol. Soc. Amer., vol. 56, p. 980, pl. 7, fig. 1 (October).
 Upper Jurassic, Tithonian, upper Newville Group, Watson Creek, western
 Glenn County, California.
- storrsi** Stanton, **Hoplites** Plasto-Holotype 10427
 1895, U.S. Geol. Surv., Bull. 133, p. 79, pl. 17, fig. 2; pl. 18, fig. 5.
 Lower Cretaceous, Knoxville beds, 1 mile northwest of Cooper's, south fork
 of Elder Creek, Tehama County, California.
- storrsi** Smith, **Trachyceras** (**Protrachyceras**) Plasto-Holotype 11108
 Plasto-Paratypes 11109-11111
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 81, pl. 7, figs. 1-4.
 Upper Triassic, *Halobia rugosa* zone, Pit shale, Brock Mountain, Shasta
 County, California.
- strongi** Hyatt and Smith, **Danubites** Plasto-Holotype 11926
 Plasto-Paratypes 11927-11928
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 165, pl. 9, figs. 4-10.
 Lower Triassic, *Meekoceras* beds, Union Wash, Inyo Range, east side of
 Owens Valley, 15 miles southeast of Independence, Inyo County, Cali-
 fornia.
- strongi** Smith, **Juvavites** (**Anatomites**) Plasto-Holotype 11032
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 58, pl. 16, figs. 1-3.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
 limestone, north end and west side of Brock Mountain, Shasta County,
 California.
- strongi** Smith, **Meekoceras** (**Koninckites**) Plasto-Holotype 11875
 Plasto-Paratype 11876
 1932, U.S. Geol. Surv., Prof. Paper 167, p. 62, pl. 52, figs. 12-17.
 Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo
 Mountains, 15 miles southeast of Independence, Inyo County, California.
- studleyi** Anderson, **Butticeras** Holotype 10862
 Paratype 10863
 1958, Geol. Soc. Amer., Mem. 71, p. 272, pl. 51, figs. 3-4A (6 June).
 Upper Cretaceous, type Chico Formation, southeast bank of Big Chico
 Creek, Humboldt road west of town of Chico, Butte County, California.
- stylus** Anderson, **Cyrtochilus** Holotype 10703
 1958, Geol. Soc. Amer., Mem. 71, p. 188, pl. 11, figs. 5-5A (6 June).
 Upper Cretaceous, lower Cenomanian, Dry Creek, 4.6 miles west of Rose-
 wood, Tehama County, California.

- subasperum** Meek, **Trachyceras judicarium** var. Plasto-Holotype 12044
1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palaeont., pt. 1, p. 118, pl. 11, figs. 2-2A,
Triassic, Cottonwood Canyon, West Humboldt Range, Nevada.
- subasperum** Meek, **Trachyceras (Protrachyceras)** Plasto-Plesiotype 11758
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 137, pl. 84, figs. 17-19.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, divide between Troy Canyon and the south fork of American Can-
yon, West Humboldt Range, Nevada.
- sub-bigoti** Anderson, **Acanthoplites** [*Acanthohoplites*] Plasto-Holotype 8809
1938, Geol. Soc. Amer., Spec. Paper 16, p. 174, pl. 76, fig. 2 (30 November).
Lower Cretaceous, middle Aptian, north fork of Cottonwood Creek, near
mouth of Eagle Creek, near Ono, Shasta County, California.
- subbullatus** Hauer, **Tropites** Plasto-Hypotype 5936
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print
of pt. 2, p. 166, text figs. 60-11, 60-22 (11 September).
Upper Triassic, Hosselkus limestone, Brock Mountain, Shasta County, Cali-
fornia.
- subbullatus** Hauer, **Tropites** Plasto-Plesiotypes 10872-10873
Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 67, pl. 34, figs. 1-5.
Upper Triassic, Hosselkus limestone, between Squaw Creek and Pit River,
Shasta County, California.
- subcircularis** Anderson, **Baculites** Holotype 10712
1958, Geol. Soc. Amer., Mem. 71, p. 192, pl. 48, fig. 7 (6 June).
Upper Cretaceous, mouth of Briones Creek, 4 miles south of Brentwood,
Contra Costa County, California.
- subintermittens** Hyatt and Smith, **Juvavites (Anatomites)** Plasto-Holotype 11034
1905, U.S. Geol. Surv., Prof. Paper 40, p. 47, pl. 30, figs. 3-5.
Upper Triassic, *Tropites subbullatus* beds, near Terrup Chetta, Squaw Creek,
Shasta County, California.
- subintermittens** Hyatt and Smith, **Juvavites (Anatomites)** Plasto-Plesiotype 11035
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 58, pl. 16, figs. 25-27; pl. 30, figs. 3-5.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north end of Brock Mountain, Shasta County, California;
near Terrup Chetta, Squaw Creek, Shasta County, California.
- subinterruptus** Mojsisovics, **Juvavites** Plasto-Hypotype 5949
Hanna and Hertlein, 1941, Calif. Dept. Nat. Resources, Div. Mines, Bull. 118, pre-print
of pt. 2, p. 166, text figs. 60-7, 60-10 (11 September).
Upper Triassic, Hosselkus limestone, Brock Mountain, Shasta County, Cali-
fornia.

- subinterruptus** Mojsisovics, **Juvavites** Plasto-Plesiotypes 11009-11011
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 55, pl. 18, figs. 1-4, pl. 30, figs. 1-2.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus
limestone, north fork of Squaw Creek, Shasta County, California; near
Terrup Chetta, on Brock Mountain, Shasta County, California.
- subplanatus** (Oppel), **Polyplectus** cf. **P.** Hypotypes 12799-12799A
Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 44, pl. 9, figs. 13, 16.
Lower Jurassic, Snowshoe Formation, Flat Creek Canyon, Izee quadrangle,
Grant County, Oregon.
- subquadrata** (Anderson), **Puzosia** Plesiotypes 8835-8836
Anderson, 1938, Geol. Soc. Amer., Spec. Paper 16, p. 186, pl. 45, figs. 4-5 (30 November).
Lower Cretaceous, middle Albian, Neptune zone, Horsetown Group, east
branch of Hulen Creek, Shasta County, California.
- subquadratum** Anderson, **Desmoceras** Plasto-Holotype 8818
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 96, pl. 4, figs. 118-119;
pl. 10, fig. 193, (24 December).
Cretaceous, Horsetown, near mouth of Hulen Creek, Shasta County, Cali-
fornia.
- subquadratum** Smith, **Ophiceras** Plasto-Holotype 11815
1932, U.S. Geol. Surv., Prof. Paper 167, p. 50, pl. 54, figs. 18-20.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo
Mountains, about 15 miles southeast of Independence, Inyo County,
California.
- suciaensis** Meek, **Ammonites** Plasto-Hypotype 8878
Gabb, 1864, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 133, pl. 21, figs. 11A-B.
Cretaceous, Chico Group, Folsom, near Mount Diablo, California.
- suciaensis** Meek, **Ammonites complexus** var. Plasto-Syntype 10421
1876, Bull. U.S. Geol. and Geog. Surv. Terr., vol. 2, no. 4, p. 369, pl. 5, figs. 2B-C.
Cretaceous, Sucia Islands, Washington. (British Columbia?)
- sylvana** Anderson, **Pervinquieria** Holotype 10775
1958, Geol. Soc. Amer., Mem. 71, p. 258, pl. 4, figs. 2-3 (6 June).
Upper Cretaceous, north fork Cottonwood Creek, 0.6 miles above mouth of
Hulen Creek, Shasta County, California.
- sylvanum** Smith, **Meekoceras** Plasto-Holotype 11886
Plasto-Paratype 11887-11888
1932, U.S. Geol. Surv., Prof. Paper 167, p. 59, pl. 33, figs. 1-5.
Lower Triassic, *Meekoceras* zone, 5 miles east of Grays Lake, Idaho: north
end of Bear Lake, 1 mile east of Hot Springs; and head of Wood Canyon,
Aspen Mountains, 9 miles east of Soda Springs, Idaho.

T

- taffi** Anderson, **Aulacosphinctes** Holotype and rock mold 8709-8709A
1945, Bull. Geol. Soc. Amer., vol. 56, p. 979, pl. 7, figs. 4A-B (October).
Upper Jurassic, Tithonian, upper Newville Group, Grindstone Creek, western
Glenn County, California.
- taffi** Anderson, **Oxybeloceras** Holotype 10737
1958, Geol. Soc. Amer., Mem. 71, p. 203, pl. 51, figs. 6-6A (6 June).
Upper Cretaceous, southeast bank of Big Chico Creek, Humboldt Road east
of Chico, Butte County, California.
- taffi** Anderson, **Sommeratia** Holotype 8857
Paratype 8858
1938, Geol. Soc. Amer., Spec. Paper 16, p. 194, pl. 49, figs. 4-5 (30 November).
Lower Cretaceous, Perrin zone, upper Horsetown Group, east branch of
Hulen Creek, Shasta County, California.
- tarpeyi** Smith, **Xenodiscus** Plasto-Holotype 11792
1932, U.S. Geol. Surv., Prof. Paper 167, p. 45, pl. 25, figs. 4-6.
Lower Triassic, *Pseudosageccras* subzone of *Meekoceras* zone, Wood Canyon,
Aspen Mountains, 9 miles east of Soda Springs, Idaho.
- tarrantense** Scott, **Diploceras** Plasto-Holotype 10468
1928, Jour. Paleont., vol. 2, no. 2, p. 112, pl. 16, figs. 1-2; text fig. A-3 (June).
Upper lower Cretaceous, below top of Goodland, 20 miles northwest of Fort
Worth and 2 miles north of point where White Settlement Road crosses
Tarrant-Parker County line, Texas.
- taurus** Smith, **Ceratites (Paraceratites)** Plasto-Holotype 11548
Plasto-Paratype 11549
1914, U.S. Geol. Surv., Prof. Paper 83, p. 88, pl. 35, figs. 1-3.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- tehamaensis** Stanton, **Belemmites** Plasto-Holotype 10425
1895, U.S. Geol. Surv., Bull. 133, p. 84, pl. 19, figs. 1-3.
Lower Cretaceous, Knoxville, south fork of Elder Creek, Tehama County,
California.
- tehamaensis** Anderson, **Dichotomites** Holotype 5943
1938, Geol. Soc. Amer., Spec. Paper 16, p. 158, pl. 28, fig. 2; pl. 30, fig. 6 (30 November).
Lower Cretaceous, Zone M₂, Paskenta Group, 5 miles north of Paskenta,
Tehama County, California.
- tehamaensis** Anderson, **Kossmatia** Plasto-Holotype 5956
1945, Bull. Geol. Soc. Amer., Bull. 56, p. 981, pl. 2, figs. 1A-C (October).
Upper Jurassic, lower Knoxville, near south fork of Elder Creek, Tehama
County, California.

- tehamaensis** Reagan, **Schloenbachia** Plasto-Holotype 5086
1924, Pan-Amer. Geol., vol. 41, p. 182, pl. 19, fig. 3 (April).
Late Cretaceous, Chico beds, 30 miles west of Red Bluff, Tehama County, California.
- templetoni** Hall and Ambrose, **Schloenbachia** Plasto-Holotype 4240
1916, Nautilus, vol. 30, no. 7, p. 78 (November).
Upper Cretaceous, Western Pacific Railroad cut between Altamont and Greenway, Tesla quadrangle, Alameda County, California.
- tenuiliratum** Yabe, **Lytoceras (Gaudryceras) aff. L.** Plasto-Hypotype 10693
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 183, pl. 40, fig. 1 (6 June).
Upper Cretaceous, upper Turonian, a little above mouth of Roaring River, Shasta County, California.
- tenuis** Smith, **Beyrichites** Plasto-Holotype 11697
Plasto-Paratypes 11698-11701
1914, U.S. Geol. Surv., Prof. Paper 83, p. 119, pl. 32, figs. 1-6; pl. 89, figs. 15-20.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- tenuis** Hyatt and Smith, **Clypites** Plasto-"Cotype" [Syntype] 11908
1905, U.S. Geol. Surv., Prof. Paper 40, p. 103, pl. 1, figs. 4-6.
Lower Triassic, *Meekoceras* beds, 9 miles east of Soda Springs, Wood Canyon, Aspen Ridge, Idaho.
- tenuispiralis** Smith, **Ceratites** Plasto-Holotype 11522
1914, U.S. Geol. Surv., Prof. Paper 83, p. 81, pl. 46, figs. 17-19.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.
- texanum** Anderson, **Lytoceras (Gaudryceras)** Virtual Paratype 10700
1958, Geol. Soc. Amer. Mem. 71, p. 184 (6 June) [not described or figured].
Upper Cretaceous, Texas Springs, 3 miles east of Horsetown, Shasta County, California.
- theoboldianus** Stoliczka, **Holcodiscus** cf. **H.** (= *Kossmaticeras voyanum* Anderson, 1958) Plasto-Plesiotype 8888
Anderson, 1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 101, pl. 5, figs. 126-127; pl. 10, fig. 197 (24 December).
Cretaceous, Cottonwood Creek, Shasta County, California.
- theresae** Anderson, **Phylloceras** Holotype and mold 8717-8717A
Paratypes 8718-8719
1938, Geol. Soc. Amer., Spec. Paper 16, p. 141, pl. 12, figs. 4-5 (30 November).
Lower Cretaceous, Perrin zone, upper Horsetown Group, west branch of Hulen Creek, Shasta County, California.

- thermarum** Smith, **Thermalites** Plasto-Holotype 12110
Plasto-Paratypes 12111–12112
1927, U.S. Geol. Surv., Prof. Paper 141, p. 24, pl. 21, figs. 11–18.
Lower Triassic, *Meckoceras* zone, east end of Hot Springs, Idaho.
- theron** (Dittmar), **Discotropites** Plasto-Plesiotype 10929
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 40, pl. 9, figs. 1–3.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.
- tomsensis** Anderson, **Belemnopsis** Holotype 8975
1945, Bull. Geol. Soc. Amer., vol. 56, p. 990, pl. 1, fig. 5 (October).
Upper Jurassic, Portlandian, lower Elder Creek Group, Toms [Thomes] Creek, 1.5 miles west of Paskenta, Tehama County, California.
- tornquisti** Smith, **Clionites (Traskites)** Plasto-Holotype 11130
Plasto-Paratypes 11131–11132
1927, U.S. Geol. Surv., Prof. Paper 141, p. 88, pl. 65, figs. 8–16.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.
- toroensis** Anderson, **Hibolites** Holotype 8979
1945, Bull. Geol. Soc. Amer., vol. 56, p. 992, pl. 4, fig. 9 (October).
Upper Jurassic, Tithonian, probably from Newville Group, lower Toro Formation, Old Creek, San Luis Obispo County, California.
- torquillus** Mojsisovics, **Tropites** Plasto-Plesiotypes 10868–10869
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 28, pl. 68, figs. 14–17.
Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, south end of Brock Mountain, Shasta County, California.
- toulai** Smith, **Xenodiscus** Plasto-Holotype 11793
Plasto-Paratype 11794
1932, U.S. Geol. Surv., Prof. Paper 167, p. 45, pl. 25, figs. 1–3; pl. 53, figs. 9–12.
Lower Triassic, *Meckoceras* zone, Wood Canyon, Aspen Mountains, 9 miles east of Soda Springs, Idaho; *Owenites* subzone of *Meckoceras* zone, Union Wash, Inyo Mountains, about 15 miles southeast of Independence, Inyo County, California.
- trabucoense** Anderson, **Bostrychoceras** Plasto-Holotype 10753
1958, Geol. Soc. Amer., Mem. 71, p. 206, pl. 52, figs. 8–8B (6 June).
Upper Cretaceous, Trabuco Creek, west flank of Santa Ana Mountains, Orange County, California.
- transionale** Waring, **Hauericeras** Plasto-Holotype 5078
1917, Proc. Calif. Acad. Sci., 4th ser., vol. 7, no. 4, p. 69, pl. 9, fig. 15 (30 July).
Upper Cretaceous, Chico area in Bell's Canyon north of Simi fault, California.

- traski** Smith, **Arcestes** (**Proarcestes**) Plasto-Holotype 11070
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 69, pl. 22, figs. 27-28.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- traski** Anderson, **Lytoceras** Holotype 8764
 Holotype mold 8764a-8764c
 Paratype 8765
 Paratype mold 8765a
 Plesiotype [Paratype] 8766
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 146, pl. 15, figs. 1-2; pl. 17, fig. 2 (20 November).
 Lower Cretaceous, Argonaut zone, Horsetown Group, east of Mitchell Creek, 5 miles south of Ono, Shasta County, California.
- traski** Smith, **Tropites** Plasto-Holotype 10910
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 35, pl. 75, figs. 1-2.
 Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.
- triadicus** Mojsisovics, **Proclydonautilus** Plasto-Plesiotypes 11175-11177
 Hyatt and Smith, 1905, U.S. Geol. Surv., Prof. Paper 40, p. 206, pl. 49, figs. 1-3; pl. 50, figs. 1-5.
 Upper Triassic, *Tropites subbullatus* zone, divide between Squaw Creek and Pit River, Shasta County, California.
- trichotomus** Stanton, **Olcostephanus** (**Polyptychites**) Plasto-Holotype 10412
 1895, U.S. Geol. Surv. Bull. 133, p. 78, pl. 16, fig. 1.
 Lower Cretaceous, uppermost Knoxville beds, 2 miles south of Lowerys, Tehama County, California.
- trinitense** Anderson, **Phylloceras** Plasto-Holotype 8727
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 140, pl. 55, figs. 3-4 (30 November).
 Lower Cretaceous, upper Paskenta Group, Redding Creek, eastern Trinity County, California.
- trinitense** Anderson, **Phylloceras** Hypotypes 8728-8729
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 140, pl. 55, fig. 5 (30 November).
 Lower Cretaceous, probably upper Paskenta Group, Riddle, Oregon.
- trinodosus** Mojsisovics, **Ceratites** (**Paraceratites**) Plasto-Plesiotypes 11565 11571
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 92, pl. 39, figs. 1-10; pl. 52, figs. 12-18.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

- trispinosum** Johnston, **Trachyceras** (**Trachyceras**) Plasto-Holotype 11401
1941, Jour. Paleont., vol. 15, p. 488, pl. 68, figs. 1-3 (September).
Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon,
New Pass Range, Nevada.
- trojanus** Smith, **Ceratites** (**Paraceratites**) Plasto-Holotype 11550
Plasto-Paratypes 11551-11553
1914, U.S. Geol. Surv., Prof. Paper 83, p. 88, pl. 36, figs. 1-5; pl. 37, figs. 1-5.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- trojanus** Smith, **Tropigastrites** Plasto-Holotype 11426
Plasto-Paratypes 11427-11429
1914, U.S. Geol. Surv., Prof. Paper 83, p. 32, pl. 17, figs. 1-8, 11-13.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
Hill, divide between Troy Canyon and south fork of American Canyon,
West Humboldt Range, Nevada.
- truathi** Johnston, **Lecanites** Plasto-Holotype 11343
Plasto-Paratypes 11344-11345
1941, Jour. Paleont., vol. 15, no. 5, p. 455, pl. 59, figs. 17-20 (September).
Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon,
New Pass Range, Nevada.
- tuberculatum** Smith, **Meekoceras** (**Koninckites**) Plasto-Holotype 11877
Plasto-Paratype 11878
1932, U.S. Geol. Surv., Prof. Paper 167, p. 62, pl. 50, figs. 1-4.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo
Mountains, about 15 miles southeast of Independence, Inyo County,
California.
- turneri** White, **Ammonites** Plasto-Holotype 10410
1889, U.S. Geol. Surv., Bull. 51, pt. 1, p. 26, pl. 5, figs. 1-2.
Upper Cretaceous, Chico Group, Curry's Cañada, south of Mount Diablo,
California.
- turneri** Hyatt and Smith, **Mojsvaroceras** Plasto-Holotype 11184
Plasto-Paratype 11185
1905, U.S. Geol. Surv., Prof. Paper 40, p. 209, pl. 48, figs. 6-11.
Upper Triassic, *Tropites subbullatus* zone, between Squaw Creek and Pit
River, Shasta County, California.
- typus** Waagen, **Anasibirites** (**Goniodiscus**) Plasto-Plesiotype 11902
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 76, pl. 31, figs. 11-12.
Lower Triassic, *Anasibirites* subzone of *Meekoceras* zone, south side of Paris
Canyon, 1 mile west of Paris, Idaho.

U

- uhligi** Mojsisovics, **Thisbites** Plasto-Plesiotype 11162
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 98, pl. 58, figs. 6-7.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.
- umpquanum** Anderson, **Phylloceras** Holotype 8725
Virtual Paratype 8726
1938, Geol. Soc. Amer., Spec. Paper 16, p. 143, pl. 30, figs. 9-10 (30 November).
Lower Cretaceous, middle Paskenta Group, 1 mile southeast of Riddle, Oregon.
- ursensis** Smith, **Celtites** Plasto-Holotype 12082
Plasto-Paratype 12083
1932, U.S. Geol. Surv., Prof. Paper 167, p. 104, pl. 47, figs. 11-14.
Lower Triassic, *Columbites* zone, Paris Canyon, 1 mile west of Paris, Idaho.
- ursensis** Smith, **Proclydonautilus** Plasto-Holotype 11216
Plasto-Paratype 11217
1927, U.S. Geol. Surv., Prof. Paper 141, p. 103, pl. 84, figs. 1-3; pl. 85, figs. 1-2.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and east side of Brock Mountain, and Bear Cove, Brock Mountain, Shasta County, California.
- ursensis** Smith, **Tropites** Plasto-Holotype 10895
Plasto-Paratype 10896
1927, U.S. Geol. Surv., Prof. Paper 141, p. 33, pl. 78, figs. 18-22.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Bear Cove, Brock Mountain, Shasta County, California.

V

- vaculae** Anderson, **Phylloceras** Plasto-Holotype 10687
1958, Geol. Soc. Amer., Mem. 71, p. 181, pl. 40, figs. 3-3B (6 June).
Lower Cretaceous, lower Senonian, on Little Cow Creek, 1.5 miles east of Frazier Corners, Shasta County, California.
- vancouverense** (Meek), **Placenticerias** Hypotype 10802
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 256, pl. 32, figs. 1-2 (6 June).
Upper Cretaceous, Coniacian, Sucia Island, Strait of Georgia, British Columbia, Canada.
- vancouverensis** Meek, **Ammonites** Plasto-Holotype 10429
1861, Proc. Acad. Nat. Sci. Philadelphia, vol. 13, p. 317.
Cretaceous, Komooks, Vancouver Island, British Columbia, Canada.
- vancouverensis** Gabb, "**Hamites**" Plasto-Plesiotypes 4256, 4260
Anderson and Hanna, 1935, Proc. Calif. Acad. Sci., 4th ser., vol. 23, no. 1, p. 23, pl. 7, figs. 2-4; pl. 8, figs. 5 (23 December).
Cretaceous, Santa Catarina Landing, Baja California, Mexico.

- velledae** Michelin, **Phylloceras** Hypotype 10686
 Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 180, pl. 16, figs. 4-4A (6 June).
 Upper Cretaceous, Chico Group, ½ mile southeast of mouth of Hulen Creek,
 Shasta County, California.
- verme** (Simpson), **Dactylioceras** (**Orthodactylites**) cf. **D.** (**O.**)
 Hypotype 12786
 Imlay, 1968, U.S. Geol. Surv., Prof. Paper 593-C, p. 31, pl. 3, fig. 10.
 Lower Jurassic, Nicely shale, Izee quadrangle, Grant County, Oregon.
- vermiculare** Anderson, **Diplomoceras** Holotype 10732
 1958, Geol. Soc. Amer., Mem. 71, p. 201, pl. 62, figs. 4-5 (6 June).
 Upper Cretaceous, Maestrichtian, north border of Long Valley, Contra Costa
 County, California.
- vespertina** Anderson, **Anahamulina** Holotype 8915-8915A
 Virtual Paratype 8916-8916A
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 219, pl. 23, figs. 3-3A (30 November).
 Lower Cretaceous, Hamlin-Broad zone, upper Paskenta Group, 3-4 miles
 southwest of Ono, Shasta County, California.
- vicarius** Imlay, **Xenocephalites** Plesiotypes 12543-12545
 1964, U.S. Geol. Surv., Prof. Paper 483-D, p. 14, pl. 1, figs. 23-25, 27.
 Upper Jurassic, Snake River Canyon near Mineral, Idaho.
- vogdesi** Smith, **Ceratites** Plasto-Holotype 11554
 1904, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 1, no. 10, p. 384, pl. 43, fig. 7; pl. 44;
 fig. 1.
 Middle Triassic, *Daonella* beds, divide between Troy Canyon and south fork
 of American Canyon, West Humboldt Range, Nevada.
- vogdesi** Smith, **Ceratites** (**Paraceratites**) Plasto-Plesiotype 11555
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 89, pl. 35, figs. 4-9.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil
 Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- vogdesi** Hyatt and Smith, **Lecanites** Plasto-Holotype 11505
 Plasto-Paratypes 11506-11507
 1905, U.S. Geol. Surv., Prof. Paper 40, p. 139, pl. 60, figs. 12-17; pl. 75, fig. 10.
 Middle Triassic, *Daonella* beds, Fossil Hill, on divide between Troy Canyon
 and south fork of American Canyon, West Humboldt Range, Nevada.
- vogdesi** Hyatt and Smith, **Lecanites** Plasto-Plesiotypes 11508-11512
 Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 67, pl. 30, figs. 17-20, 23-24; pl. 88,
 figs. 24-25.
 Middle Triassic, *Daonella dubia* zone, Fossil Hill, divide between Troy Can-
 yon and south fork of American Canyon, West Humboldt Range, Nevada.
- voyanum** Anderson, **Acrioceras** Plasto-Holotype 8904 8904A
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 206, pl. 59, fig. 1 (30 November).

Lower Cretaceous, lower Horsetown Group, Cottonwood Creek, Shasta County, California.

voyanum Anderson, **Kosmaticeras** (**Madrasites**) Plasto-Holotype 8888
1958, Geol. Soc. Amer., Mem. 71, p. 241, pl. 37, figs. 5-5B (6 June).

Upper Cretaceous, Cenomanian, Cottonwood Creek, Shasta County, California.

voyi Anderson, **Desmoceras** Plasto-Holotype 8815
1902, Proc. Calif. Acad. Sci., 3rd ser., Geol., vol. 2, no. 1, p. 100, pl. 3, figs. 89-90 (24 December).

Cretaceous, lower or central Horsetown beds, north fork of Cottonwood Creek, east of Ono, Shasta County, California.

voyi Anderson, **Desmoceras** Hypotype 8816
1938, Geol. Soc. Amer., Spec. Paper 16, p. 180, pl. 40, figs. 5-6 (30 November).

Lower Cretaceous, Skidegate Indian Village, Graham Island, Queen Charlotte Islands, British Columbia, Canada.

W

waageni Hyatt and Smith, **Ussuria** Plasto-"Cotypes" [Syntypes] 11954-11956
1905, U.S. Geol. Surv., Prof. Paper 40, p. 90, pl. 65, figs. 1-2; pl. 66, figs. 4-6; pl. 67, figs. 1-2.

Lower Triassic, *Meekoceras* beds, Wood Canyon, Aspen Ridge, 9 miles east of Soda Springs, Idaho.

waageni Hyatt and Smith, **Ussuria** Plasto-Plesiotype 11957
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 92, pl. 21, figs. 37-38.

Lower Triassic, *Meekoceras* zone, 0.5 miles southeast of Grays Lake, Idaho.

waageni Hyatt and Smith, **Meekoceras** (**Prionolobus**) Plasto-"Cotypes" [Syntypes] 11796-11797
1905, U.S. Geol. Surv., Prof. Paper 40, p. 150, pl. 77, figs. 3-8.

Lower Triassic, *Meekoceras* zone, Union Wash, Inyo Range, 15 miles southeast of Independence, Inyo County, California.

waageni (Hyatt and Smith), **Xenodiscus** Plasto-Plesiotype 11795
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 46, pl. 23, figs. 12-14.

Lower Triassic, *Meekoceras* zone, 5 miles east of Grays Lake, Idaho.

walcotti Hyatt and Smith, **Proptychites** Plasto-Holotype 12075
Plasto-Paratype 12076
1905, U.S. Geol. Surv., Prof. Paper 40, p. 85, pl. 19, figs. 1-3, 7.

Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Range, 15 miles southeast of Independence, Inyo County, California.

walcotti Hyatt and Smith, **Proptychites** Plasto-Plesiotype 12077
Smith, 1932, U.S. Geol. Surv., Prof. Paper 167, p. 102, pl. 52, figs. 18-20.

Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Range, 15 miles southeast of Independence, Inyo County, California.

wardi Smith, **Ceratites** (**Paraceratites**) Plasto-Holotype 11572
Plasto-Paratype 11573

1914, U.S. Geol. Surv., Prof. Paper 83, p. 94, pl. 53, figs. 4-8.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

waringi Anderson, **Puzosia** (**Parapuzosia**) [= *P. jimboi* Anderson, 1938]
Holotype 8819
Paratype 8820

1958, Geol. Soc. Amer., Mem. 71, p. 236, pl. 12, figs. 3-4 (6 June).

Upper Cretaceous, Cenomanian, Jackass Flat, Shasta County, California.

washburnei Smith, **Ceratites** Plasto-Holotype 11620
Plasto-Paratypes 11621-11622

1914, U.S. Geol. Surv., Prof. Paper 83, p. 103, pl. 92, figs. 9-17.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

watsonensis Anderson, **Acroteuthis?** Holotype 8949
Virtual Paratypes 8950-8952

1945, Bull. Geol. Soc. Amer., vol. 56, p. 989, pl. 8, fig. 3 (October).

Upper Jurassic, Tithonian, upper Neville Group, 6 miles north of Winslow Bridge, Watson Creek, western Glenn County, California.

watsonensis Anderson, **Aulacosphinctes** Holotype 8714

1945, Bull. Geol. Soc. Amer., vol. 56, p. 1010, pl. 11, fig. 6 (October).

Upper Jurassic, Tithonian, upper Neville Group, 6 miles north of Winslow Bridge, western Glenn County, California.

weaveri Smith, **Ceratites** Plasto-Holotype 11523

1914, U.S. Geol. Surv., Prof. Paper 83, p. 82, pl. 98, figs. 4-7.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, New Pass, Desatoya Mountains, Nevada.

welleri Smith, **Tropites** Plasto-Holotype 10897
Plasto-Paratype 10898

1927, U.S. Geol. Surv., Prof. Paper 141, p. 33, pl. 78, figs. 5-9.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.

wemplei Smith, **Ceratites** (**Gymnotoceras**) Plasto-Holotype 11673
Plasto-Paratypes 11674-11675

1914, U.S. Geol. Surv., Prof. Paper 83, p. 113, pl. 68, figs. 1-9.

Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, divide between Troy Canyon and south fork of American Canyon, West Humboldt Range, Nevada.

wheeleri Johnston, **Clionites** Plasto-Holotype 11323
Plasto-Paratypes 11324 11325

1941, Jour. Paleont., vol. 15, no. 5, p. 449, pl. 58, figs. 1-8 (September).

Upper Triassic, Karnic, *Joannites* zone, Star Peak Formation, South Canyon, New Pass Range, Nevada.

whiteavesi Anderson, **Didymoceras** Plasto-Hypotype 8887
Anderson, 1958, Geol. Soc. Amer., Mem. 71, p. 196, (6 June) (new name for *Anisoceras cooperi* Gabb of Whiteaves, 1903).

Upper Cretaceous, Hornby Island, British Columbia, Canada.

whiteavesii White, **Ammonites (Amaltheus)** Virtual Plasto-Holotype 10411
1889, U.S. Geol. Surv., Bull. 51, pt. 5, p. 69, pl. 13, figs. 1-3.
Jurassic, Kialagvic Bay, Alaska.

whitneyi Gabb, **Ammonites** Plasto-Holotype 5858
1868, Geol. Surv. Calif., Palaeont., vol. 2, sec. 2, pt. 1, p. 134, pl. 22, figs. 14A-B.
Cretaceous, Shasta Group, Cottonwood Creek, Shasta County, California.

whitneyi Smith, **Arcestes (Proarcestes)** Plasto-Holotype 11071
Plasto-Paratypes 11072-11074
1927, U.S. Geol. Surv., Prof. Paper 141, p. 69, pl. 22, figs. 1-6.

Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north fork of Squaw Creek, Shasta County, California.

whitneyi Smith, **Clionites (Shastites)** Plasto-Holotype 11138
Plasto-Paratype 11139
1927, U.S. Geol. Surv., Prof. Paper 141, p. 89, pl. 66, figs. 21-27.

Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, Brock Mountain, Shasta County, California.

whitneyi Gabb, **Grypoceras** Plasto-Plesiotype 11779
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 141, pl. 99, figs. 5-7.

Middle Triassic, *Ceratites trinodosus* zone, Buena Vista Canyon, near Unionville, West Humboldt Range, Nevada.

whitneyi Gabb, **Nevadites** Plasto-Plesiotypes 11724-11729
Smith, 1914, U.S. Geol. Surv., Prof. Paper 83, p. 126, pl. 80, figs. 1-8; pl. 81, figs. 1-7.
Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.

whitneyi Anderson, **Shasticroceras** Holotype 8932
1938, Geol. Soc. Amer., Spec. Paper 16, p. 205, pl. 58, fig. 1 (30 November).

Lower Cretaceous, Mitchell Creek, lower Horsetown Group, 6 miles south of Ono, Shasta County, California.

- whitneyi** Gabb, *Trachyceras* Plasto-Plesiotype 12041
 Meek, 1877, U.S. Geol. Explor. Fortieth Parallel, vol. 4, Palacont., pt. 1, p. 116, pl. 11, figs. 3-3A.
 Triassic, Cottonwood Cañon, West Humboldt Range, Nevada.
- wilburnensis** Anderson, *Hibolites* Holotype 8980
 Paratype 8981
 1945, Bull. Geol. Soc. Amer., vol. 56, p. 992, pl. 2, figs. 5-6 (October).
 Upper Jurassic, Knoxville, near mouth of Sulphur Creek, Colusa County, California.
- wilcoxi** Anderson, *Acroteuthis* Holotype 8953
 Paratype 8954
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 227, pl. 81, figs. 1-2 (30 November).
 Lower Cretaceous, upper Paskenta Group, 5 miles north of Paskenta, California.
- wilcoxi** Anderson, *Neocraspedites* Holotype 8771
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 158, pl. 26, fig. 2; pl. 27, fig. 4 (30 November).
 Lower Cretaceous, lower Horsetown Group, 5 miles north of Paskenta between McCarthy and Elder Creeks, Tehama County, California.
- willgreeni** Anderson, *Eupachydiscus* Holotype 10780
 1958, Geol. Soc. Amer., Mem. 71, p. 223, pl. 46, fig. 2 (6 June).
 Lower Cretaceous, Coniacian, lower Senonian, Sand Creek, southwestern Colusa County, California.
- williamsi** Smith, *Ceratites* Plasto-Holotype 11524
 Plasto-Paratype 11525
 1914, U.S. Geol. Surv., Prof. Paper 83, pl. 47, figs. 11-16.
 Middle Triassic, *Ceratites trinodosus* subzone of *Daonella dubia* zone, north fork of Cottonwood Canyon, West Humboldt Range, Nevada; Fossil Hill, south fork of American Canyon, West Humboldt Range, Nevada.
- winnemae** Smith, *Arcestes* (*Proarcestes*) Plasto-Holotype 11075
 Plasto-Paratype 11076
 1927, U.S. Geol. Surv., Prof. Paper 141, p. 69, pl. 23, figs. 24-28.
 Upper Triassic, *Trachyceras* subzone of *Tropites subbullatus* zone, Hosselkus limestone, stone quarry, south end of Brock Mountain, Shasta County, California.
- winslowensis** Anderson, *Acroteuthis* Holotype 8946
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 230, pl. 83, figs. 1-1A (30 November).
 Lower Cretaceous, lowest Paskenta Group, Elk Creek, 2½ miles north of Winslow Bridge, western Glenn County, California.
- wintunium** Anderson, *Hoplocrioceras* Holotype 8900-8900B
 1938, Geol. Soc. Amer., Spec. Paper 16, p. 202, pl. 60, figs. 3-4 (30 November).

Lower Cretaceous, lower Horsetown Group, south of Roaring River, Shasta County, California.

wintunium Anderson, **Lytoceras** (**Gabbioceras**) Holotype 8758
Paratype 8759
Plesiotypes [Paratypes] 8760-8761
1938, Geol. Soc. Amer., Spec. Paper 16, p. 150, pl. 16, figs. 2-5 (30 November).
Lower Cretaceous, Argonaut zone, Horsetown Group, Alderson Creek, 2 miles south of Ono, and east of Mitchell Creek, 5 miles south of Ono, Shasta County, California.

wintunium Anderson, **Lytoceras** (**Gabbioceras**) "Holotype 8767"
See *Gabbioceras hertleini* Wiedmann.

wodani Mojsisovics, **Tropites** Plasto-Plesiotype 10893
Smith, 1927, U.S. Geol. Surv., Prof. Paper 141, p. 33, pl. 72, figs. 29-31.
Upper Triassic, *Juvavites* subzone of *Tropites subbullatus* zone, Hosselkus limestone, north end and west side of Brock Mountain, Shasta County, California.

woodini Smith, **Sturia** Plasto-Holotype 11961
1932, U.S. Geol. Surv., Prof. Paper 167, p. 94, pl. 51, figs. 5-6.
Lower Triassic, *Owenites* subzone of *Meekoceras* zone, Union Wash, Inyo Range, about 15 miles southeast of Independence, Inyo County, California.

woolgari Mantell, **Prionocyclus** Plasto-Hypotype 10442-10445
Meek, 1876, Rept. U.S. Geol. Surv., Terr., vol. 9, p. 455, pl. 7, figs. 1A-G.
Cretaceous, Fort Benton Group, upper Missouri series, southeast base of Black Hills, South Dakota.

wyntoonium Anderson, **Aulacoteuthis** Holotype 8986
Paratype 8987A
Plesiotype [Paratype] 8987
1938, Geol. Soc. Amer., Spec. Paper 16, p. 229, pl. 80, figs. 4-4A; pl. 81, fig. 4 (30 November).
Lower Cretaceous, probably Argonaut zone, lower Horsetown Group, about 1½ miles above mouth of Fiddler's Creek, 10 miles south of Ono, Shasta County, California; near bridge at Ono, Shasta County, California.

wyomingensis Reagan, **Metoicoceras** Plasto-Holotype 5081
1924, Pan-Amer. Geol., vol. 41, no. 3, p. 181, pl. 19, figs. 1-2 (April).
Cretaceous, Coloradan series, Salt Creek region, Big Horn, Wyoming.

Y

yatesi Hyatt and Smith, **Hungarites** Plasto-Holotype 11480
1905, U.S. Geol. Surv., Prof. Paper 40, p. 129, pl. 20, figs. 1-4.

LIST OF GENERA

Acanthoceras lecontei	Anacardioceras perrini
shastense	Anagaudryceras mikobokense
spiniiferum	Anagymnites acutus
Acanthoplites aegis	rosenbergi
barryana	Anahamulina vespertina
gardneri	Anasibirites desertorum
perrini	lindgreni
spathi	typus
sub-bigoti	Anatomites adalberti
Acrioceras starrkingi	brockensis
voyanum	damesi
Acrochordiceras alternans	edgari
foltzense	externiplicatus
hyatti	intermittens
inoense	konnincki
Acroteuthis aboriginalis	mendenhalli
barrana	obsoletus
divergens	septentrionalis
impresa	shastensis
kernensis	strongi
kewana	subintermittens
macarthyensis	Anatropites hauchecornei
mitchelli	Ancyloceras ajax
onoensis	attrox
shastensis	durrelli
wilcoxi	elephas
winslowensis	?Ancyloceras lineatus
?Acroteuthis watsonensis	remondi
Amaltheus whiteavesii	Anisoceras charlottense
Ammonite species	cooperi
Ammonites breweri	draconis
chicoense	?Anisarcestes species indeterminate
hoffmannii	Analcites barberi
howelli	drakei
indra	furlongi
jugalis	gabbi
kialagvikensis	gracile
maclurei	hyatti
newberryanus	meekei
ramosus	Arcestes carpenteri
remondii	gabbi
stoliczkanus	cf. gaytani
suciaensis	hartzelli
turneri	pacificus
vancouverensis	quadrilabiatum
whiteavesii	shastensis
whitneyi	

species indeterminate	rex
traski	species
whitneyi	subcircularis
winnemac	Balatonites hadleyi
?Arcestes cirratus	Belemnites impressus
perplanus	tehamensis
Argonauticeras argonautarum	Belemnopsis cachensis
Arieticeras cf. algovianum	californicus
cf. domarense	cigarroides
lupheri	diventroides
Arpadites gabbi	mercurialis
kingi	spiculoides
schencki	tomsensis
Aspenites acutus	?Belemnopsis berryessae
laevis	napaensis
obtusus	Belemnoteuthis pacifica
Aspidites hooveri	Berriasella crassiplicata
Aspinoceras hamlini	storrsi
Atractites böckhi	Beudanticeras alamoense
burekhardtii	argonauticum
clavatus	haydeni
drakei	haydenii
nevadensis	hulenense
philippii	Beyrichites dunnii
solidus	falciformis
Aturia angustata	osmonti
colombiana	rotelliformis
kerniana	tenuis
Aulacosphinctes diablocensis	Bochianites glennensis
jenkinsi	paskentaensis
reedi	species
taffi	Bostrychoceras aff. brewerii
watsonensis	brewerii
?Aulacosphinctes colusaënsis	buttense
Aulacoteuthis wyntonium	declive
Austiniceras giganteum	elongatum
Australiceras argus	occidentale
	puertoense
	sanctaanae
Bacchites bacchus	serpiens
pinguis	trabucoense
sphaericus	?Bradfordia oppeliiformis
Baculites buttensis	Butticeras buttense
aff. capensis	studleyi
chicoensis	
fairbanksi	Californites careyi
inornatus	merriami
lomaensis	Calycoceras auspicium
occidentalis	diabloense
ovatoides	newboldi

	spinosum		trojanus
	stoliczkai		vogdesi
Canadoceras	celeste		wardi
	georgianum		washburnei
	newberryanum		weaveri
Cardioceras	alternans		wemplei
	dubium		williamsi
Celtites	apostolicus	Chelonicerias	bradleyi
	gabbi		flenoyi
	halli		hindi
	polygyratus		irregulare
	steindachneri		populorum
	ursensis		reesidei
Ceratites	atilis	Choristoceras	kellyi
	applanatus		klamathense
	argentarius	Cladiscites	martini
	beckeri		mendenhalli
	beccheri	Cleoniceras	lecontei
	blakei		cf. lecontei
	burckhardti		modestum
	clarkei	Clionites	americanus
	cornutus		barwicki
	crassicornu		californicus
	cricki		careyi
	ecarinatus		compactus
	emmonsi		compressus
	fissicostatus		evolutus
	gilberti		fairbanksi
	haguei		minutus
	hersheyi		nanus
	humboldtensis		osmonti
	karpinskyi		reesidei
	kingi		robustus
	lawsoni		rugosus
	meekei		stantoni
	montis-bovis		torquisti
	nevadanus		wheeleri
	newberryi		whitneyi
	occidentalis	Clydonautilus	hessi
	organi	Clydonites	laevidorsatus
	pilatus	Clypeoceras	muthianum
	ransomei	Clypites	tenuis
	rectangularis	Coelopoceras	hyatti
	rotuloides	Columbites	consanguineus
	russelli		humboldtensis
	spinifer		ligatus
	spurri		ornatus
	taurus		parisianus
	tenuispiralis		plicatulus
	trinodosus		spencei

Conoteuthis pacifica	Didymoceras californicum
Cordillerites angulatus	fresnoense
Coroceras zephyrus	kernense
Cosmonautilus dilleri	orestimblense
hersheyi	whiteaveisi
pacificus	Dinarites bonae-vistae
shastensis	desertorum
Crioceras duncanense	?Dinarites pygmaeus
latus	Diplomoceras cascadenae
remondi	jimboi
Cunningtoniceras roguense	mercedense
Cylindroteuthis clavacula	mustangense
glennensis	o'shaughnessyi
klamathonae	aff. recticostatum
knoxvillensis	vermiculare
newvillensis	Dipoloceras fredericksburgense
occidentalis	tarrantense
porrectiformis	Discophyllites patens
Cymatoceras hermosus	?Discotropite species
Cyrtochilus major	Discotropites davisi
stylus	empedoclis
	formosus
Dactyloceras cf. verme	gimmellaroi
Dagnoceras bonnevillense	laurae
bridgesi	lineatus
haydeni	mojsvarensis
pealei	sandlingensis
Dalmatites attenuatus	sengeli
parvus	theron
Danubites strongi	Docidoceras camachoii
Desmoceras ashlandicum	cf. camachoii
barryae	?Docidoceras paucinodosum
californicum	Douvilleiceras aurarium
colusaense	cf. mammillatum
dilleri	aff. mammillatum
haydeni	
inane	Enoploceras newelli
ishikawai	Eocanadoceras hannai
lecontei	Eogaudryceras hertleini
merriami	Erycites imlayi
?planulatum	Eucalycoceras diabloense
species	newboldi
subquadratum	Eudiscoceras gabbi
voyi	Eupachydiscus arbucklensis
Desmophyllites schwynianus	willgreeni
siskiyouensis	Eutomoceras breweri
yoloensis	dalli
Dichotomites oregonensis	clunni
tehamaensis	lahontanum
Dictyoconites americanus	laubei

Exicrioceras	diabloense	rosenbergi
	ortigalicense	Gymnotoceras
Exiteloceras	bennisoni	beckeri
	desertense	blakci
		hersheyi
		meeki
Fagesia	californica	rotelliforme
	klamathensis	russelli
	shastensis	spurri
	siskiyouensis	wemplei
Fanninoceras	cf. bodegae	Gymnotropites
	kunae	americanus
Flemingites	aplanatus	californicus
	aspenensis	laevis
	bannockensis	rotundus
	cirratus	yatesi
	gracilis	
	russelli	Halilucites dalli
Fontanelliceras	cf. fontanellese	Halorites semiglobosus
Fremontites	ashleyi	"Hamites" vancouverensis
Fuciniceras	cf. acutidorsatum	Hamites armatus
	cf. inelytum	ellipticus
	species B	imitator
		sternbergi
		?Hamites quadratus
Gabbioceras	angulatum	Hamiticeras
	hertleini	aequicostatus
	wintunium	philadelphium
		pilsbryi
Gaudryceras	alamedense	Hamulina
	aureum	aldersona
	birkhauseri	Hannaoceras
	coalingense	newpassense
	delvallense	Haploceras
	tenuiliratum	pachecoense
	texanum	Harpoceras
?Gaudryceras	neptunium	species indeterminate
Germanonutilus	brooksi	?Harpoceras
	furlongi	species indeterminate
	johnstoni	Hauericeras
	montpelierensis	churchi
	species	aff. gardeni
Goniodiscus	typus	mickeyi
Gonionotites	hyatti	transitionale
	northi	Hauerites
?Grammoceras	species	ashleyi
Grypoceras	cooperi	lawsoni
	milleri	Haydenites
	whitneyi	hatschekii
Gryponutilus	cooperi	Hedenstroemia
Gymnites	acutus	hyatti
	alexandrae	kossmati
	calli	Helicancyclus
		aequicostatus
		gabbi
		Hemibaculites
		cyclopius
		mirabilis
		nauplius
		neleus
		Hertleinites
		pecki
		Heteroceras
		ceratopse
		Hibolites
		arroyoensis

cigarroides	subintermittens
diventroides	subinterruptus
species	
toroensis	Klamathites kellyi
wilburnensis	schucherti
Holcodiscoides gorriilli	Koninckites corrugatum
Holcodiscus cf. theoboldianus	evansi
Hollandites montis-bovis	mushbachanum
organi	newberryi
Hollisites lucasi	strongi
Homerites semiglobosus	tuberculatum
Hoplites angulatus	Kossmatella gainesi
crassiplicatus	?Kossmatella aurarium
dilleri	Kossmatia kleinsorgensis
hyatti	tehamaensis
parva	Kossmaticeras voyanum
storrsi	Kotóceras frazierense
Hoplocrioceras onoense	richardsoni
remondi	
wintunium	Lanceolites bicarinatus
yollabollium	compactus
Hungarites fittingensis	Latidorsella barryae
yatesi	inane
Hyphantoceras irregulare	merriami
lagueum	Lecanites crassus
	knechti
Inyoites oweni	nudus
	parvus
Joannites jacobus	trauthi
Joaquinites fascicostatum	vogdesi
Jovites bacchus	Leconteia californica
pacificus	Leconteiceras occidentale
pinguis	Lillia howelli
sphaericus	kialagvikensis
Juvenites krafftii	Lilloettia buckmani
?Juvavite species	cf. mertonyarwoodi
Juvavites adalberti	Lobites carinatus
brockensis	gargantua
damesi	zephyrus
edgari	Loligo stearnsii
externiplicatus	Longobardites nevadanus
intermittens	Lyelliceras stanislausense
kellyi	Lyticoceras packardi
knowltoni	Lytoceras alamedense
konnincki	angulatum
mendenhalli	argonautarum
obsoletus	aulaeum
septentrionalis	aurarium
shastensis	aureum
strongi	batesi

birkhauseri	Megaphyllites septentrionalis
coalingense	Melchiorites indigense
dellvallense	shastensis
epigonum	Metacalycoceras auspicium
aff. exoticum	Metacoceras frenchi
gainesi	?Metacymbites cf. centriglobus
henleyense	?Metahedenstroemia desertorum
huberti	?Metaplacenticeras bowersi
jacksonense	Metasibirites brockensis
kernense	coei
aff. liebigi	irechi
neptunium	gracilis
saturnale	modestus
aff. tenuiliratum	mojsvarensis
texanum	parvus
traski	pygmaeus
wintunium	shastensis
	Metiococeras wyomingensis
Madrasites voyanum	Mojsvaroceras frenchi
Mammites rancheriae	turneri
Mantelliceras conquistador	Monophyllites billingsianus
aff. conquistador	Mortoniceras gabbi
oregonense	pentzanum
phoenixense	randalli
species	
Margarites jokelyi	Nannites dieneri
moiffiti	Nautilus averilli
senilis	gabbi
septentrionalis	hermosus
	modestus
Meekoceras aplanatum	Neanites californicus
arthaberi	minutus
corrugatum	osmonti
cristatum	Neocomites jenkinsi
curtirostatum	cf. neocomiensis
elkoense	riddlensis
evansi	stippi
gracilitatis	Neocraspedites aguila
jacksoni	rectoris
micromphalus	signalis
mushbachanum	wilcoxi
mushbachanus	Neocyrtochilus bryani
newberryi	Neohibolites fontinalis
patelliforme	Neokotoceras fresnoense
pilatum	Nevadites fontainei
radiosum	humboldtensis
sanctorum	hyatti
strongi	merriami
sylvanum	sinclairi
tuberculatum	whitneyi
waageni	


Nostoceras mexicanum	Paltarpites cf. argutus
retrorsus	Paracadoceras harveyi
Nowakites dobbinsi	Paraceltites multicostratus
klamathonis	Paraceratites burckhardtii
rumseyensis	clarkei
?Nowakites puertoensis	cricki
	newberryi
Olcostephanus mutabilis	taurus
trichotomus	trinodosus
Ophiceras dieneri	trojanus
parvum	vogdesi
sakuntala	wardi
spencei	Paracladiscites rogersi
subquadratum	Parahoplites dallasi
Oppelia quintoensis	macfarlandi
Oregoniceras argonautarum	scharfi
condoni	stantoni
jacksonense	Parahoplitoides cerrosensis
jillsoni	cf. cerrosensis
knighteni	seniloides
normale	shoupi
oregonense	species
phoenixense	Paralecanites arnoldi
siskiyouense	knechti
Orthoceras blakei	Paranannites columbianus
campanile	Paranautilus multicameratus
shastense	smithi
Orthodactylites cf. verme	species
Owenites carpenteri	Parapachydiscus bidwelli
egrediens	coalingensis
koeneni	cortinaensis
zitteli	aff. gabbi
Oxybeloceras biconstrictum	aff. ganesa
petrolense	ootacodensis
taffi	panochensis
Oxytropidoceras packardii	peninsularis
	stanislausensis
Pachydiscus averilli	Parapopanoceras haugi
binodatus	Parapuzosia arenaica
buckhami	colusaensis
catarinae	hearni
elkhornensis	hindsii
henleyensis	klamathonae
merriami	waringii
multisulcatus	Paratropites americanus
nevesii	antiselli
oregonensis	arnoldi
perplicatus	californicus
rosewoodensis	colei
sacramenticus	dittmari

	gabbi	newelli
	laevis	species
	rotundus	Polycyclus major
	sellai	nodifer
	shastensis	Polyplectus cf. subplanatus
	yatesi	Polyptychites hesperius
Partschiceras	gardanum, subspecies?	lecontei
Paulotropites	colei	trichotomus
	shastensis	Popanoceras haugi
Peroniceras	quintoense	Pracoppelia oppeliiformis
	shastense	Prionocycloceras crenulatum
Perrinoceras	novaditus	Prionocyclus californicus
Pervinquiera	furberi	woolgari
	gainesana	Prionolobus jacksoni
	hulenana	waageni
	aff. inflata	Prionotropis bakeri
	sylvana	branneri
Philippites	argentarius	casperi
	lawsoni	hiltensis
	ransomei	Proarcestes carpenteri
Phylloceras	aldersoni	gabbi
	californicum	cf. gaytani
	capellense	hartzelli
	columbianum	pacificus
	gargantum	quadrilabiatus
	glennense	shastensis
	knoxvillense	traski
	knoxvillensis	whitneyi
	myrtlense	winnemac
	occidentale	Procheloniceras hindsii
	onoense	Procladiscites mulleri
	oregonense	Proclydonautilus spirolobus
	cf. oregonense	stantoni
	pachecocense	triadicus
	sextoni	ursensis
	shastalense	Prodactylioceras cf. italicum
	theresae	cf. meneghini
	trinitense	cf. mortelleti
	umpquanum	Proniceras species
	vaculae	Proptychites walcotti
	velledae	Prosphingites austini
Pinacoceras	rex	Protacanthodiscus crossi
Placenticeras	californicum	Proteusites rotundus
	pacificum	?Protogrammoceras ochocoense
	sanctacmonicae	cf. pseudofieldingi
	vancouverense	Protrachyceras americanum
Placites	humboldtensis	beckeri
Pleuromutilus	alaskensis	californicum
	idahoensis	dunni
		lahontanum

lecontei	Sagenites dickersoni
lindgreni	erinaceus
madisonense	herbichi
meekei	shastensis
shastense	Sandlingites andersoni
storrsi	Saturnoceras saturnale
subasperum	Scaphites appressus
Pseudocidoceras camachoï	condoni
?Pseudocidoceras cf. camachoï	inermis
?Pseudocidoceras paucinodesum	pittensis
Pseudocrioceras species	aff. roguensis
stentor	?Scaphites ramosus
Pseudolioceras fastigatum	Schloenbachia bakeri
macklintocki	?blanfordiana
Pseudophyllites indra	knighteni
Pseudosageceras intermontanum	multicosta
multilobatum	oregonensis
Pseudoschloenbachia brannani	propinqua
Ptychites evansi	siskiyouensis
Ptychoceras natrice	tehamaensis
quadratus	templetoni
Pulchellia popenoei	Sciponoceras baculoide
Puzosia aldersona	kossmati
arenaica	Shasticroceras hesperum
buenaventura	inflatum
colusaensis	poniente
diadema	whitneyi
dilleri	Shastites compactus
giganteum	compressus
gorrilli	whitneyi
hannai	Shastoceras behemoth
hearni	shastense
hindsii	Sibirites noetlingi
hoffmanni	Sibyllites louderbacki
jimboi	Sibyllonutilus fergusonii
klamathonae	Silesites puzosiaformis
onona	Simbirskites broadi
?planulatum	mutabilis
reesidei	Sirenites hayesi
subquadrata	lawsoni
waringii	Solenoceras mexicanum
Reynesoceras cf. aegrum	Sonneratia crossi
cf. ragazzoni	mulleri
Rhabdoceras russelli	perrinsmithi
Rhacophyllites patens	rogersi
Romaniceras hesperium	sacramentica
	stantoni
Sageceras gabbi	taffi
cf. haidingeri	Spiticeras duncanense

Stantonites	evolutus	judicarium
	rugosus	lahontanum
Steueroceras	jenkinsi	lecontei
Streblites	quintoensis	lindgreni
Sturia	woodini	madisonense
Styrionautilus	sauperi	meeki
	species	shastense
Subastieria	chancelula	storrsi
Submortoniaceras	chicoensis	subasperum
	gabbi	trispinosum
	pentzanum	whitneyi
	randalli	Trachysagenites erinaceus
Substeueroceras	stantoni	herbichi
Syringoceras	spurri	shastensis
		Traskites americanus
		nanus
		robustus
		stantoni
		torquisti
Tetragonites	epigonum	Tritropidoceras packardii
	henleyense	Tropacum percostatum
	jacksonense	Tropicellites frechi
	kernense	Tropigastrites halli
Thermalites	thermarum	lahontanus
Thisbites	uhligi	louderbacki
Thurmannia	jupiter	neumayri
	paskentae	obliterans
Tirolites	harti	powelli
	illyricus	rothpletzi
	knighti	trojanus
	pacificus	Tropites armatus
	pealei	arthaberi
Tollia	burgeri	boehmi
	mutabilis	brockensis
	paucicostata	dieneri
Tornquistites	evolutus	dilleri
	obolinus	discobullatus
Toxoceras	cornucapri	fusobullatus
Trachyceras	americanum	hessi
	cf. aon	johnsoni
	cf. aonoides	keili
	barberi	kellyi
	beckeri	kokeni
	bispinosum	mojsvarensis
	californicum	morani
	compressum	morloti
	desatoyense	occidentalis
	drakei	philippii
	dunni	reticulatus
	furlongi	rotatorius
	gabbi	
	gracile	
	hyatti	

rothpletzi	Vermiceras crossmani
schellwieni	
shastensis	
stantoni	Whitbyiceras ?species
stearnsi	
subbullatus	Xenaspis marcoui
torquillus	nevadanus
traski	Xenocephalites vicarius
ursensis	Xenodiscus bittneri
welleri	cordilleranus
wodani	gilberti
Turrilites bergeri	intermontanus
pachecoensis	multicameratus
petersoni	nevadanus
	nivalis
Uptonia silviesi	tarpeyi
Ussuria compressa	toulai
occidentalis	waageni
waageni	

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