

CONTRIBUTIONS FROM THE MUSEUM OF PALEONTOLOGY

UNIVERSITY OF MICHIGAN

VOL. VI, No. 10, pp. 319-336

APRIL 15, 1947

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CATALOGUE OF THE TYPE AND FIGURED  
SPECIMENS OF VERTEBRATE FOSSILS IN  
THE MUSEUM OF PALEONTOLOGY,  
UNIVERSITY OF MICHIGAN

BY

E. C. CASE



UNIVERSITY OF MICHIGAN PRESS  
ANN ARBOR

## CONTRIBUTIONS FROM THE MUSEUM OF PALEONTOLOGY

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### UNIVERSITY OF MICHIGAN

*Editor:* EUGENE S. MCCARTNEY

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3. Observations on Fossil Plants from the Devonian of Eastern North America. V. *Hyenia Banksii*, sp. nov., by Chester A. Arnold. Pages 53-57, with 1 plate. Price \$.20.
4. Some Paleozoic Plants from Central Colorado and Their Stratigraphic Significance, by Chester A. Arnold. Pages 59-70, with 3 plates. Price \$.25.
5. An Interpretation of the Skull of *Buettneria*, with Special Reference to the Cartilages and Soft Parts, by John Andrew Wilson. Pages 71-111, with 14 text figures. Price \$.60.

(Continued on inside of back cover)

CATALOGUE OF THE TYPE AND FIGURED  
SPECIMENS OF VERTEBRATE FOSSILS IN  
THE MUSEUM OF PALEONTOLOGY,  
UNIVERSITY OF MICHIGAN

By E. C. CASE

THE catalogue of type and figured specimens of vertebrate fossils in the Museum of Paleontology of the University of Michigan lists all descriptions of new material and the location of all figures of material described since 1907, together with a few specimens that were in the possession of the University Museum prior to that date.

DESCRIPTIVE LIST

The genera are arranged alphabetically under the proper Order for convenience in locating.

Two abbreviations for publications frequently referred to have been adopted:

C.M.P. = Contributions from the Museum of Paleontology of the University of Michigan.

P.C.I. = Publications of the Carnegie Institution of Washington.

PISCES

ARTHRODIRA

13048. *Dinichthys (Holonema?)*. A. plate.  
Case, C.M.P., Vol. III, 1931, p. 175, Pl. V, fig. 1.
12974. *Dinomylostoma?* sp. nov. Lower gnathal element.  
Case, C.M.P., Vol. III, 1931, p. 175, figs. 7-8.
13041. *Dinomylostoma (Holonema?)*. Gnathal elements.  
Case, C.M.P., Vol. III, 1931, p. 177, figs. 11-13; Pl. V, fig. 2

13042. *Dinomylostoma (Holonema?)*. Gnathal element.  
Case, C.M.P., Vol. III, 1931, p. 177, Pl. V, fig. 2.
13040. *Holonema?* A plate.  
Case, C.M.P., Vol. III, 1931, p. 173, Pl. IV, fig. 1.
13043. *Holonema*. A plate.  
Case, C.M.P., Vol. III, 1931, p. 173, Pl. IV, fig. 2.
12976. *Protitanichthys rockportensis* Case. Skull. Paratype.  
Case, C.M.P., Vol. III, 1931, p. 168, fig. 4.
12977. *Protitanichthys rockportensis* Case. Median dorsal plate.  
Case, C.M.P., Vol. III, 1931, p. 171, fig. 6; Pl. II, fig. 1.
12978. *Protitanichthys rockportensis* Case. Skull. Paratype.  
Case, C.M.P., Vol. III, 1931, p. 164, Pl. III, fig. 1.
12979. *Protitanichthys rockportensis* Case. Skull. Paratype.  
Case, C.M.P., Vol. III, 1931, p. 170, fig. 5; Pl. I, fig. 2.
12980. *Protitanichthys rockportensis* Case. Skull. Holotype.  
Case, C.M.P., Vol. III, 1931, p. 165, fig. 1; Pl. I.
13046. *Protitanichthys rockportensis?* Case. Spine.  
Case, C.M.P., Vol. III, 1931, p. 172, Pl. III, fig. 2.
13049. *Protitanichthys rockportensis* Case. Dorsal shield.  
Case, C.M.P., Vol. III, 1931, p. 171, Pl. II, fig. 2.

## DIPNOI

7324. *Ceratodus dorotheae* Case. Palatal tooth. Holotype.  
Case, Occas. Papers Mus. Zool. Univ. Mich., No. 101, 1921, 1 fig.
9634. *Ceratodus crosbiensis* Warthin. Palatal tooth. Holotype.  
Warthin, C.M.P., Vol. III, 1928, p. 15, Pl. I, fig. 1.
3039. *Sagenodus pertenuis* Eastman. Palatal tooth. Holotype.  
Eastman, Amer. Nat., Vol. 37, 1903, p. 493, 2 figs.  
Broili, Paleontographica, Vol. 51, 1904, p. 105.  
Eastman, Bull. Mus. Comp. Zool. Harvard Univ., Vol. 50,  
1906, p. 8.  
Case, Journ. Geol., Vol. 5, 1908, p. 579.  
Hussakof (synonym? of *Gnathorhiza pusilla* (Cope)), Bull. Amer.  
Mus. Nat. Hist., Vol. 25, 1908, p. 53.  
Hussakof (synonym of *Gnathorhiza pusilla* (Cope)), P.C.I.,  
Publ. 146, 1911, p. 167.

## CROSSOPTERYGII

9630. *Macropoma* sp. nov., Warthin. Quadrate and pterygoid.  
Warthin, C.M.P., Vol. III, 1928, p. 17, Pl. I, figs. 2-3.

## CHONDROSTEII

11663. *Eurylepidoides socialis* Case. Fragments used in a restoration.  
Holotype.  
Case, C.M.P., Vol. IV, 1935, p. 276, fig. 1.
22206. *Paleopsephurus wilsoni* MacAlpin. Skull and part of skeleton.  
Holotype.  
MacAlpin, C.M.P., Vol. VI, 1946, p. 167, Pls. I-IV, figs. 1-3,  
5, 7-10, 19-20.
22207. *Paleopsephurus wilsoni* MacAlpin. Scales.  
MacAlpin, C.M.P., Vol. VI, 1946, p. 167, fig. 11.

## PROTOSPONDYLI

7506. *Cognathus (Xenognathus) obscurus* Case. Fragment of jaw with  
teeth. Holotype.  
Case, P.C.I., Publ. 321, 1922, p. 84, fig. 33E.  
Case, C.M.P., Vol. III, 1928, p. 5, Pl. I, figs. 6-8.  
Case, Journ. Wash. Acad. Sci., Vol. 23, 1933, p. 65. *Cognathus*  
proposed for *Xenognathus* preoccupied.
7506. *Xenognathus* preoccupied = *Cognathus*.
14356. *Cognathus obscurus* Case. Fragment of jaw with two teeth and  
an isolated tooth.  
Case, C.M.P., Vol. IV, 1932, p. 89, figs. 12-15.

*Incertae sedis*

18565. Paleoniscid fish. Various specimens from which the skull was  
restored.  
Case, Proc. Amer. Phil. Soc., Vol. 78, 1937, p. 1, Pl. I, figs. 1-3.
18567. Paleoniscid fish. Various casts from which the skull was restored.  
Case, Proc. Amer. Phil. Soc., Vol. 78, 1937, p. 1, Pl. I, figs. 1-3.  
Associated with 18565 and 18567 is a natural endocranial cast  
not numbered because it is on permanent loan. Described and  
figured by Case, Proc. Amer. Phil. Soc., Vol. 78, 1937, p. 1, Pl. 2,  
figs. 1-3.
7253. Undetermined fish. Coprolites.  
Case, P.C.I., Publ. 321, 1922, p. 84, figs. 33a-b.

## AMPHIBIA

## STEGOCEPHALIA

3246. *Archeria robinsoni* Case. Humerus. Holotype.  
Case, P.C.I., Publ. 207, 1915, p. 107, figs. 44a-b; Pl. 23, figs. 7-8.  
Romer, Bull. Amer. Mus. Nat. Hist., Vol. 46, 1922, p. 556,  
Pl. 37, fig. *Archeria*.
7364. *Buettneria (Metaposaurus)*. Posterior half of interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 25, fig. 5H (numbered 7374 in  
error); Pl. 4, fig. C.
7265. *Buettneria*. Interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 25, fig. 5E (numbered 7266 in  
error); Pl. 3, fig. A.
7366. *Buettneria*. Interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 25, fig. 5G; Pl. 4, fig. B.
7367. *Buettneria*. Interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 25, fig. 5F; Pl. 4, fig. A.
7448. *Buettneria*. Interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 25, fig. 5B.
7368. *Buettneria*. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VII, fig. 1.
13972. *Buettneria*. Section of a tooth.  
Case, C.M.P., Vol. IV, 1932, p. 26, Pl. III, figs. 1-2.
13819. *Buettneria*. Exoccipital.  
Case, C.M.P., Vol. IV, 1932, p. 15, fig. 12.
7469. *Buettneria*. Lower jaw.  
Case, P.C.I., Publ. 321, 1922, p. 22, figs. 4A-B:
13055. *Buettneria bakeri* Case. Skull. Holotype.  
Case, C.M.P., Vol. III, 1931, p. 187, figs. 1-2; Pl. I, figs. 1-2.  
Case, C.M.P., Vol. IV, 1932, p. 6, figs. 2, 6; Pl. I, figs. 1, 3.
14154. *Buettneria bakeri* Case. Posterior portion of skull. Paratype.  
Case, C.M.P., Vol. III, 1931, p. 196, figs. 4, 6; Pl. II, figs. 1-2.  
Case, Proc. Amer. Phil. Soc., Vol. 72, 1933, p. 281, fig. 11.
14098. *Buettneria bakeri* Case. Posterior portion of skull. Paratype.  
Case, C.M.P., Vol. III, 1931, pp. 198, 201, figs. 5, 7.  
Case, C.M.P., Vol. IV, 1932, p. 20, fig. 20.
13822. *Buettneria bakeri* Case. Left half of skull.  
Case, C.M.P., Vol. IV, 1932, p. 6, figs. 5, 10; Pl. II, fig. 4.
13820. *Buettneria bakeri* Case. Skull.  
Case, C.M.P., Vol. IV, 1932, p. 7, figs. 3, 8; Pl. I, fig. 2.

13823. *Buettneria bakeri* Case. Skull and jaws.  
Case, C.M.P., Vol. IV, 1932, p. 7, fig. 7; Pl. I, figs. 4, 21-22;  
Pl. II, figs. 2 (numbered 13283 in error), 5.
13947. *Buettneria bakeri* Case. Lower jaw.  
Case, C.M.P., Vol. IV, 1932, p. 22, Pl. II, fig. 3.
13949. *Buettneria bakeri* Case. Lower jaw.  
Case, C.M.P., Vol. IV, 1932, p. 25, fig. 23.
13975. *Buettneria bakeri* Case. Section of tooth.  
Case, C.M.P., Vol. IV, 1932, p. 26, Pl. III, figs. 3-6.
13816. *Buettneria bakeri* Case. Squamosal.  
Case, C.M.P., Vol. IV, 1932, p. 16, figs. 13-14.
13799. *Buettneria bakeri* Case. Tabular.  
Case, C.M.P., Vol. IV, 1932, p. 13, fig. 11.
13806. *Buettneria bakeri* Case. Quadratojugal.  
Case, C.M.P., Vol. IV, 1932, p. 17, figs. 15-16.
13810. *Buettneria bakeri* Case. Quadrate.  
Case, C.M.P., Vol. IV, 1932, p. 17, figs. 17-19.
12940. *Buettneria bakeri* Case. Humerus.  
Case, C.M.P., Vol. III, 1931, p. 205, figs. 10-11.
13775. *Buettneria bakeri* Case. Humerus.  
Case, C.M.P., Vol. IV, 1932, p. 33, figs. 33-35; Pl. IV, fig. 4.
13774. *Buettneria bakeri* Case. Ulna.  
Case, C.M.P., Vol. IV, 1932, p. 35, fig. 38.
13784. *Buettneria bakeri* Case. Radius.  
Case, C.M.P., Vol. IV, 1932, p. 35, fig. 39.
13773. *Buettneria bakeri* Case. Femur.  
Case, C.M.P., Vol. IV, 1932, p. 34, figs. 36-37.
12946. *Buettneria bakeri* Case. Femur.  
Case, C.M.P., Vol. III, 1931, p. 204, figs. 8-9.
13781. *Buettneria bakeri* Case. Fibula (ulna?).  
Case, C.M.P., Vol. IV, 1932, p. 35, fig. 40.
13782. *Buettneria bakeri* Case. Tibia (radius?).  
Case, C.M.P., Vol. IV, 1932, p. 35, fig. 41.
13789. *Buettneria bakeri* Case. Ilium.  
Case, C.M.P., Vol. IV, 1932, p. 31, figs. 29-30.
13786. *Buettneria bakeri* Case. Pubo-ischium.  
Case, C.M.P., Vol. IV, 1932, p. 32, figs. 31-32.
14205. *Buettneria bakeri* Case. Neural arch.  
Case, C.M.P., Vol. IV, 1932, p. 27, figs. 24-25.
13792. *Buettneria bakeri* Case. Axis.  
Case, C.M.P., Vol. IV, 1932, p. 27, Pl. IV, figs. 1-2.

13776. *Buettneria bakeri* Case. Rib.  
Case, C.M.P., Vol. IV, 1932, p. 29, figs. 26 a-c.
13788. *Buettneria bakeri* Case. Rib.  
Case, C.M.P., Vol. IV, 1932, p. 30, figs. 27-28.
13028. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 7.
13825. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 1.
13824. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 2.
13943. *Buettneria bakeri*? Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 8.
13903. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 5.
13901. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 3.
13898. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 6.
13896. *Buettneria bakeri* Case. Clavicle.  
Case, C.M.P., Vol. IV, 1932, p. 39, Pl. VI, fig. 4 (numbered 13895 in error).
13027. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. III, 1931, p. 204, Pl. III, fig. 1.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. IV, fig. 6.
13912. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. V, fig. 4.
13907. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. V, fig. 3.
13906. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. V, fig. 2.
13905. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. V, fig. 1.
13029. *Buettneria bakeri* Case. Interclavicle.  
Case, C.M.P., Vol. III, 1931, p. 204, Pl. III, fig. 2.  
Case, C.M.P., Vol. IV, 1932, p. 36, Pl. IV, fig. 5 (numbered 13209 in error).
3814. *Buettneria (Metaposaurus) jonesi* Case. Clavicles and interclavicle. Holotype.  
Case, Occas. Papers Mus. Zool. Univ. Mich., No. 82, 1920, p. 1, Pl. I.  
Case, P.C.I., Publ. 321, 1922, p. 24, Pl. 2, fig. C.



7475. *Buettneria perfecta* Case. Skull. Holotype.  
Case, P.C.I., Publ. 321, 1922, p. 13, figs. 1-3; Pl. 1; Pl. 2, figs. A-B.  
Case, C.M.P., Vol. III, 1931, p. 190, fig. 3.
14240. *Buettneria perfecta* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 54, Pl. VII, fig. 2.
14241. *Buettneria perfecta* Case. Interclavicle.  
Case, C.M.P., Vol. IV, 1932, p. 54, Pl. VII, fig. 3.
12887. *Buettneria perfecta* Case. Interclavicle and clavicles.  
Case, C.M.P., Vol. IV, 1932, p. 54, Pl. VII, fig. 4.
13674. *Buettneria*. Palatine.  
Case, C.M.P., Vol. IV, 1932, p. 55, fig. 45.
8854. *Buettneria perfecta* Case. Skull.  
Case, Papers Mich. Acad., Vol. IV, 1924, p. 423; Pl. 23, fig. 2; Pl. 24.
21326. *Buettneria perfecta* Case. Skull.  
Wilson, C.M.P., Vol. VI, 1941, p. 71, figs. 1-14.
3001. *Cricotus*. Top of head, restoration.  
Case, P.C.I., Publ. 207, 1915, p. 159, fig. 32.
3418. *Cricotus*. Fragment of jaw showing teeth.  
Case, P.C.I., Publ. 207, 1915, p. 159, fig. 34.
3029. *Cricotus*. Lower jaw.  
Case, P.C.I., Publ. 207, 1915, p. 159, fig. 33.
9683. *Cricotus*. Vertebra showing supraneural canal.  
Case, P.C.I., Publ. 207, 1915, Pl. 22, fig. 1.
3419. *Cricotus*. Humerus.  
Case, P.C.I., Publ. 207, 1915, p. 162, figs. 36a-b; Pl. 22, figs. 4-5.
3420. *Cricotus*. Humerus, immature.  
Case, P.C.I., Publ. 207, 1915, p. 162, figs. 36c-f.
3423. *Cricotus?* Ulna.  
Case, P.C.I., Publ. 207, 1915, p. 164, fig. 37h.
3424. *Cricotus?* Radius.  
Case, P.C.I., Publ. 207, 1915, p. 164, fig. 37d.
3422. *Cricotus?* Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 164, figs. 37a-c.
3366. *Cricotus (Poliosaurus?)*. Femur.  
Case, P.C.I., Publ. 207, 1915, p. 162, figs. 36g-h; Pl. 22, fig. 6.
3426. *Cricotus?* Fibula.  
Case, P.C.I., Publ. 207, 1915, p. 164, fig. 37g.
3425. *Cricotus?* Tibia.  
Case, P.C.I., Publ. 207, 1915, p. 164, figs. 37e-f.

3044. *Cricotus*. Ilium.  
Case, P.C.I., Publ. 207, 1915, p. 161, Pl. 22, figs. 2-3.
3247. *Cricotus*. Pubis.  
Case, P.C.I., Publ. 207, 1915, p. 162, figs. 35a-c.
3040. *Crossotelos annulatus* Case. Vertebrae. Holotype.  
Case, Second Ann. Rep. Dept. Geol. and Nat. Hist. Terr. Okla., 1903-4, p. 65.  
Williston, Bull. Geol. Soc. Amer., Vol. 21, 1910, p. 271, Pl. 15, figs. 2a-c, 3.  
Case, P.C.I., Publ. 146, 1911, p. 71, figs. 18a-e.  
Case, P.C.I., Publ. 207, 1915, p. 132.  
Williston, Contrib. Walker Mus. Univ. Chicago, Vol. I, 1916, p. 211, figs. 33a-c.
3060. *Eryops*. Skull.  
Dempster, Journ. Comp. Neurol., Vol. 62, 1935, p. 175, fig. 2.
3000. *Eryops*. Posterior portion of skull.  
Dempster, Journ. Comp. Neurol., Vol. 62, 1935, p. 179, fig. 3.
14408. *Eryops*. Posterior portion of skull.  
Dempster, Journ. Comp. Neurol., Vol. 62, 1935, p. 181, figs. 4-6.
3432. *Eryops?* Femur, immature.  
Case, P.C.I., Publ. 207, 1915, p. 165, figs. 38d-g.
3406. *Eryops*. Interclavicle.  
Case, P.C.I., Publ. 207, 1915, Pl. 23, fig. 1.
3385. *Eryops*. Clavicle.  
Case, P.C.I., Publ. 207, 1915, Pl. 23, fig. 1.
3408. *Eryops*. Cleithrum.  
Case, P.C.I., Publ. 207, 1915, Pl. 23, figs. 3-4.
3316. *Eryops*. Humerus, immature.  
Case, P.C.I., Publ. 207, 1915, p. 165, figs. 38a-c.
16002. *Trimerorhachis*. Skull and anterior limb.  
Case, C.M.P., Vol. IV, 1935, p. 264, fig. 22.
16009. *Trimerorhachis*. Slab with skulls and skeleton.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. I. Interclavicle, Pl. IX, fig. 3; anterior vertebrae, Pl. X, fig. 1; pelvic region and posterior limb, Pl. X, fig. 2.  
Bystrow, Acta Zoologica, Bd. 19, 1938, p. 234, fig. 11A.
- 16009A. *Trimerorhachis*. Skull on slab.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. VI, figs. 1-2.
- 16009B. *Trimerorhachis*. Skull on slab.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. IV, figs. 1-2.

- 16009C. *Trimerorhachis*. Skull on slab.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. V, figs. 1-2.
- 16009D. *Trimerorhachis*. Limb bones associated with skull on slab.  
Case, C.M.P., Vol. IV, 1935, p. 262, figs. 19-20 (pleurocentra);  
p. 266, figs. 24-25 (limb bones).
16005. *Trimerorhachis*. Skull.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. II, figs. 1-2; Pl. VII,  
fig. 1.
15994. *Trimerorhachis*. Skull.  
Case, C.M.P., Vol. IV, 1935, p. 232, Pl. III, fig. 1 (numbered  
5994 in error).
16000. *Trimerorhachis*. Skull.  
Case, C.M.P., Vol. IV, 1935, p. 245, figs. 8-9, 11; Pl. VIII, fig. 1.
16011. *Trimerorhachis*. Exoccipital.  
Case, C.M.P., Vol. IV, 1935, p. 244, figs. 6-7.
16032. *Trimerorhachis*. Pterygoid.  
Case, C.M.P., Vol. IV, 1935, p. 247, fig. 10.
16003. *Trimerorhachis*. Upper surface of parasphenoid.  
Case, C.M.P., Vol. IV, 1935, p. 241, fig. 5; Pl. VIII, fig. 2.
16006. *Trimerorhachis*. Lower jaw.  
Case, C.M.P., Vol. IV, 1935, p. 227; Pl. VII, fig. 2.
16031. *Trimerorhachis*. Lower jaw.  
Case, C.M.P., Vol. IV, 1935, p. 252, Pl. VII, fig. 3.
15446. *Trimerorhachis*. Clavicle.  
Case, C.M.P., Vol. IV, 1935, p. 258, Pl. IX, fig. 2.
15995. *Trimerorhachis*. Clavicle.  
Case, C.M.P., Vol. IV, 1935, p. 257, fig. 14.
16040. *Trimerorhachis*. Scapula.  
Case, C.M.P., Vol. IV, 1935, p. 259, figs. 15-16.
16007. *Trimerorhachis*. Anterior limb and foot.  
Case, C.M.P., Vol. IV, 1935, p. 265, fig. 23.
16054. *Trimerorhachis*. Ischium.  
Case, C.M.P., Vol. IV, 1935, p. 269, figs. 28-29.

*Incertae sedis*

3430. Undetermined stegocephalian (immature? *Eryops*). Ilium.  
Case, P.C.I., Publ. 207, 1915, p. 167, figs. 48f-g.
3431. Undetermined stegocephalian. Femur.  
Case, P.C.I., Publ. 207, 1915, p. 166, figs. 39a-f.
3404. Undetermined stegocephalian (*Aspidosaurus*?). Plate.  
Case, P.C.I., Publ. 207, 1915, p. 169, figs. 41a-b.

3294. Undetermined stegocephalian. Neural spine.  
Case, P.C.I., Publ. 207, 1915, p. 168, Pl. 22, figs. 8-10.
3295. Undetermined stegocephalian. Femur?  
Case, P.C.I., Publ. 207, 1915, p. 167, figs. 40 a-b; Pl. 23, figs. 5-6.
7251. Undetermined stegocephalian. Coprolites.  
Case, P.C.I., Publ. 321, 1922, p. 83, figs. 33 c-d.
3299. Undetermined stegocephalian. Tibia or radius.  
Case, P.C.I., Publ. 207, 1915, p. 167, figs. 40 c-e.

## REPTILIA

## COTYLOSAURIA

3025. *Diadectes*. Molar tooth.  
Case, P.C.I., Publ. 145, 1911, Pl. 6, fig. 2.
11156. *Ostodolepis brevispinatus* Williston. Skull and skeleton.  
Williston, Journ. Geol., Vol. 26, 1913, p. 363, figs. 1-2.  
Williston, Contrib. Walker Mus. Univ. Chicago, Vol. 1, 1916,  
p. 175, fig. 31.  
Case, C.M.P., Vol. III, 1929, p. 81, figs. 1-12; Pl. I, figs. 1-3;  
Pl. II, figs. 1-5; Pl. III, figs. 1-4.  
Reith, Paleobiologica, Vol. 4, 1931, p. 397, figs. 1a-c.
2338. *Trilophosaurus buettneri* Case. Fragment of jaw with teeth.  
Holotype.  
Case, Journ. Wash. Acad. Sci., Vol. 18, 1928, p. 177, fig. 1.  
Case, C.M.P., Vol. III, 1928, p. 1, Pl. I, figs. 1-5.
13171. *Trilophosaurus?* Vertebra.  
Case, C.M.P., Vol. IV, 1932, p. 88, fig. 10.
14325. *Trilophosaurus?* Vertebra.  
Case, C.M.P., Vol. IV, 1932, p. 89, fig. 11.

## MOSASAURIA

7325. *Platecarpus*. Nearly complete skeleton.  
Case, Mich. Alumnus, Vol. XXVII, 1921, p. 297, figure of mounted  
specimen.

## SAUROPTERYGIA

19568. *Corosaurus alcovensis* Case. Skeleton. Plastotype.  
Case, C.M.P., Vol. V, 1936, p. 1, figs. 1-21; Pl. I, figs. 1-2  
(original in the University of Wyoming, number 51,000).

## CHELONIA

8393. *Amyda nelsoni* Case. Carapace and plastron. Holotype.  
Case, C.M.P., Vol. II, 1927, p. 223, figs. 1-3; Pl. I, figs. 1-2.
20490. *Eubaëna*. Nearly complete skeleton.  
Case, C.M.P., Vol. V, 1939, p. 1, figs. 1-8.
1103. *Stylemys nebrascensis* Leidy. Large shell with vertebrae and girdles.  
Case, Amer. Journ. Sci., Vol. 47, 1918, p. 435, figs. 1-5.
9318. *Stylemys nebrascensis* Leidy. Small shell with skull, vertebrae, and girdles.  
Case, C.M.P., Vol. II, 1925, p. 87, figs. 1-7.
17600. *Stylemys nebrascensis* Leidy. Shell with girdles and limbs.  
Case, C.M.P., Vol. V, 1936, p. 69, Pl. I; Pl. II, figs. 1-4.

## CROCODILIA

8923. *Allognathosuchus wartheni* Case. Lower jaw and part of skull. Holotype.  
Case, C.M.P., Vol. II, 1925, p. 94, fig. 1; Pl. I, figs. 1-3.  
Abel, Paleontol. Zeitschr., Vol. 10, 1928, p. 367, fig. 1.

## THEROMORPHA

## (Pelycosauria)

3059. *Dimetrodon*. Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 173, Pl. 22, fig. 11.
3333. *Edaphosaurus*. Humerus, vertebral column, skull fragments.  
Case, P.C.I., Publ. 181, 1913, p. 80, figs. 51 a-c.  
Case, P.C.I., Publ. 207, 1915, p. 142, fig. 29; p. 176, figs. 50 a-b.
1163. *Edaphosaurus*. Humerus.  
Case, P.C.I., Publ. 207, 1915, p. 176, fig. 50c.
3446. *Edaphosaurus*. Fragment of skull showing inner ear.  
Case, Biol. Bull., Vol. 27, 1914, p. 214, figs. 2-3.
3051. *Edaphosaurus*. Scapula. In mount 3333.  
Case, P.C.I., Publ. 207, 1915, p. 143, fig. 29.
3447. *Edaphosaurus?* (*Dimetrodon?* *Secodontosaurus?*). Part of skull showing ear cavity.  
Case, Biol. Bull., Vol. 27, 1914, p. 215, fig. 4.
14530. *Kannemeyeria*. Skull and some skeletal bones.  
Case, C.M.P., Vol. IV, 1934, p. 115, figs. 1-4; Pl. I, figs. 1-2;  
Pl. II, figs. 1-2.

## THECODONTIA

10336. *Brachysuchus megalodon* Case. Skull. Holotype.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 1, figs. 1-4, 7-9, 11-12, 17; Pls. I-VI.  
Case, C.M.P., Vol. III, 1930, p. 155, figs. 1-2; Pls. I-V.  
Case, C.M.P., Vol. III, 1931, p. 183, Pl. I, fig. 1.  
Case, C.M.P., Vol. IV, 1932, p. 78, Pls. VI-VIII.  
Case, C.M.P., Vol. IV, 1934, p. 141, Pl. III.
14366. *Brachysuchus megalodon* Case. Skull. Mounted to show palate.  
Case, C.M.P., Vol. IV, 1934, p. 141, Pl. I, fig. 1.
9636. *Brachysuchus*. Neural spine.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 47, fig. 20.
7317. *Brachysuchus?* Neural spine.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 47, fig. 18.
10191. *Brachysuchus*. Anterior cervical vertebra.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 47, fig. 19.
7476. *Desmotosuchus spurensis* Case. Much of skeleton. Holotype.  
Case, Journ. Geol., Vol. 28, 1920, p. 529, figs. 1-4.  
Case, Journ. Comp. Neurol., Vol. 33, 1921, p. 133, Pl. III, figs. 7-9.  
Case, P.C.I., Publ. 321, 1922, p. 26, figs. 7-19; Pls. 5-11.  
Huene, Jahrb. preuss. Geol. Landesanstalt, Vol. 42, 1922, p. 146, figs. 151-152.  
Broili and Schlosser, Grundz. d. Paleontol., 1923, p. 318, fig. 429.  
Edinger, Die fossilen Gehirne, 1929, p. 123, fig. 86.  
Smith Woodward, Text-Book of Paleontology, 1932, p. 349, fig. 452.
7504. *Desmotosuchus spurensis* Case. Axis.  
Case, P.C.I., Publ. 321, 1922, p. 36, figs. 9C-D; p. 38, fig. 11H.
8409. *Leptosuchus*. Cranial region, ear cavity.  
Case, Journ. Comp. Neurol., Vol. 45, 1928, p. 161, figs. 1-9.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 11, fig. 5.
7522. *Leptosuchus crobiensis* Case. Skull and lower jaws. Holotype.  
Case, P.C.I., Publ. 321, 1922, p. 61, figs. 25a-c, 26; Pl. 14, figs. A-E.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 36, figs. 15-16 (7321 is part of this specimen and is mounted with it).
8855. *Leptosuchus crobiensis* Case. Lower jaw.  
Case, Papers Mich. Acad., Vol. IV, 1924, p. 419, figs. 9-12; Pl. 22, fig. 1.

7523. *Leptosuchus imperfecta* Case. Skull. Holotype.  
Case, P.C.I., Publ. 321, 1922, p. 68.  
Case, Papers Mich. Acad., Vol. IV, 1924, p. 421, Pl. 22, fig. 2;  
Pl. 23, fig. 1.
14267. *Leptosuchus studeri* Case and White. Skull. Holotype.  
Case and White, C.M.P., Vol. IV, 1934, p. 134, figs. 1-35; Pls. I-II.
7487. *Promystriosuchus ehlersi* Case. Skull. Holotype.  
Case, P.C.I., Publ. 321, 1922, p. 49, fig. 21; Pl. II.
8868. Phytosaur. Quadrate.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 114, figs. 6a-b.
7474. Phytosaur. Basisoccipital and exoccipital.  
Case, P.C.I., Publ. 321, 1922, p. 64, Pl. 12, fig. D.
14327. Phytosaur. Tooth.  
Case, C.M.P., Vol. IV, 1932, p. 85, figs. 6-7.
7447. Phytosaur (*Mystriosuchus*?). Part of rostrum.  
Case, C.M.P., Vol. IV, 1932, p. 74, Pl. IV, fig. 7 (numbered 7417  
in error).
7261. Phytosaur. Basiscranium.  
Case, P.C.I., Publ. 321, 1922, p. 64, figs. 30A-B; Pl. 12, fig. C.
7505. Phytosaur. Basiscranium and rostrum.  
Case, P.C.I., Publ. 321, 1922, p. 64, Pl. 12, figs. E, G.
7442. Phytosaur. Interclavicle.  
Case, P.C.I., Publ. 321, 1922, p. 70, fig. 27A.
7312. Phytosaur. Humerus, radius, ulna.  
Case, P.C.I., Publ. 321, 1922, p. 75, figs. 29C-E.
7322. Phytosaur. Ilium.  
Case, P.C.I., Publ. 321, 1922, p. 70, fig. 27B; Pl. 13, fig. A.
7333. Phytosaur. Ilium.  
Case, P.C.I., Publ. 321, 1922, p. 70, fig. 27D; Pl. 12, fig. F.
7266. Phytosaur. Pelvis and sacrum.  
Case, P.C.I., Publ. 321, 1922, p. 72, figs. 27E, 28A; Pl. 12,  
figs. A-B.
7244. Phytosaur. Pelvis.  
Case, P.C.I., Publ. 321, 1922, p. 70, fig. 27C; Pl. 13, fig. B.  
Case, C.M.P., Vol. II, 1927, p. 227, Pl. I, figs. 1-2.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 51, fig. 22.  
Case, C.M.P., Vol. IV, 1932, p. 75, Pl. IV, fig. 8.
3395. Phytosaur. Femur.  
Case, P.C.I., Publ. 321, 1922, p. 75, fig. 29B.
10604. Phytosaur. Calcaneum.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 53, figs. 23A-C.

7445. Phytosaur. Astragalus.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 53, figs. 24A-C.
9626. Phytosaur. Plates. *Phytosaurus* type.  
Case, C.M.P., Vol. IV, 1932, p. 71, Pl. IV, fig. 2.
13950. Phytosaur. Vertebral column and armor.  
Case, C.M.P., Vol. IV, 1932, p. 57, fig. 1; Pls. I-III; Pl. IV, fig. 1.
7470. Phytosaur. Pelvis and dorsal vertebrae.  
Case, P.C.I., Publ. 321, 1922, p. 73, fig. 28B.  
Case, Mem. Univ. Mich. Mus., Vol. II, 1929, p. 50, fig. 21.  
Case, C.M.P., Vol. IV, 1932, p. 68, figs. 2-5.
7247. Phytosaur. Plate. *Mystriosuchus* type.  
Case, P.C.I., Publ. 321, 1922, opp. p. 70, Pl. 13, fig. C.
7472. Phytosaur. Scapula.  
Case, P.C.I., Publ. 321, 1922, p. 75, fig. 29A.
13993. Phytosaur. Plates. *Mystriosuchus* type.  
Case, C.M.P., Vol. IV, 1932, p. 73, Pl. V, figs. 1-2.
8859. Phytosaur. Plates. *Phytosaurus* type.  
Case, C.M.P., Vol. IV, 1932, p. 73, Pl. IV, figs. 5-6.
13695. Phytosaur. Plates. *Mystriosuchus* type.  
Case, C.M.P., Vol. IV, 1932, p. 75, Pl. V, fig. 4.
13735. Phytosaur. Plates. *Mystriosuchus* type.  
Case, C.M.P., Vol. IV, 1932, p. 75, Pl. IV, fig. 4.
13984. Phytosaur. Plates. *Mystriosuchus* type.  
Case, C.M.P., Vol. IV, 1932, p. 75, Pl. V, fig. 3 (numbered 13894 in error).
13727. Phytosaur. Plates. *Phytosaurus* type.  
Case, C.M.P., Vol. IV, 1932, p. 71, Pl. IV, fig. 3.
23127. Phytosaur *elliotti*, Amer. Journ. Sci., Vol. 241, 1943, pp. 201-203.

## DINOSAURIA

13670. *Coelophysis*. Series of caudal vertebrae.  
Case, C.M.P., Vol. IV, 1932, p. 81, figs. 1-3.
7507. *Coelophysis* sp. (*Sphenosuchus caseanus* Huene). Portion of vertebral column.  
Case, P.C.I., Publ. 321, 1922, p. 81, fig. 31.  
Case, C.M.P., Vol. II, 1927, p. 209, figs. 1-6; Pl. I.  
Huene, Monogr. z. Geol. u. Paleontol., Ser. 1, Heft 4, 1932, p. 37, figs. 4a-b (*Sphenosuchus caseanus* gen. et spec. nov.).
7507. *Sphenosuchus caseanus* Huene. Holotype. See *Coelophysis* number 7507.



7473. *Coelophysis*. Posterior part of skull.  
Case, P.C.I., Publ. 321, 1922, p. 78, Pl. XIII, figs. D-F.  
Case, C.M.P., Vol. II, 1927, p. 220.  
Huene, Monogr. z. Geol. u. Paleontol., Ser. 1, Heft 4, 1932, p. 40,  
figs. 5a-c.
7268. *Coelophysis*. A tooth.  
Case, C.M.P., Vol. II, 1927, p. 222, fig. 9 (numbered 2680 in error).
8870. *Coelophysis*. Ilium.  
Case, C.M.P., Vol. II, 1927, p. 220, figs. 7a-b.  
Huene, Monogr. z. Geol. u. Paleontol., Ser. 1, Heft 4, 1932, p. 39.
9805. *Coelophysis*. Caudal vertebra.  
Case, C.M.P., Vol. II, 1927, p. 221, fig. 8.  
Huene, Monogr. z. Geol. u. Paleontol., Ser. 1, Heft 4, 1932, p. 40.
13765. Dinosaur undetermined. One tooth.  
Case, C.M.P., Vol. IV, 1932, p. 85, fig. 5.
13766. Dinosaur undetermined. Tooth.  
Case, C.M.P., Vol. IV, 1932, p. 84, fig. 4.
3396. Dinosaur? undetermined. Left femur.  
Case, P.C.I., Publ. 321, 1922, p. 83, figs. 32a-b.  
Case, C.M.P., Vol. II, 1927, p. 220.  
Huene, Monogr. z. Geol. u. Paleontol., Ser. 1, Heft 4, 1932, p. 40.

*Incertae sedis*

3363. Undetermined reptile. Femur.  
Case, P.C.I., Publ. 207, 1915, p. 169, figs. 42a-b; Pl. 24, fig. 5.
3354. Undetermined reptile (Cotylosaur?). Humerus.  
Case, P.C.I., Publ. 207, 1915, p. 169, figs. 43a-b; Pl. 24, figs. 1, 4.
3428. Undetermined reptile (*Poliosaurus?*). Ilium.  
Case, P.C.I., Publ. 207, 1915, p. 171, figs. 45a-b.
14326. Undetermined reptile. Basioccipital.  
Case, C.M.P., Vol. IV, 1932, p. 87, figs. 8-9.
3355. Undetermined reptile (*Cricotus?*). Tibia.  
Case, P.C.I., Publ. 207, 1915, p. 172, figs. 46a-d.
3433. Undetermined reptile. Tibia.  
Case, P.C.I., Publ. 207, 1915, p. 172, fig. 46e.
3434. Undetermined reptile. Ulna.  
Case, P.C.I., Publ. 207, 1915, p. 172, fig. 46f.
3361. Undetermined reptile (*Cricotus? Poliosaurus?*). Femur.  
Case, P.C.I., Publ. 207, 1915, p. 163; Pl. 22, fig. 7.
3429. Undetermined reptile (amphibian?). Ilium.  
Case, P.C.I., Publ. 207, 1915, p. 171, fig. 45c.

3245. Undetermined reptile (*Clepsydrops?*). Pubis.  
Case, P.C.I., Publ. 207, 1915, p. 171, figs. 45d-e.
3441. Undetermined reptile (*Theropleura?*). Neural arch of axis.  
Case, P.C.I., Publ. 207, 1915, p. 173, figs. 47a-b.
3442. Undetermined reptile (*Theropleura?*). Neural arch of axis.  
Case, P.C.I., Publ. 207, 1915, p. 173, figs. 47c-d.
3443. Undetermined reptile. Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 174, figs. 48a-b.
3444. Undetermined reptile. Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 174, figs. 49a-b.
3435. Undetermined reptile. Two scapulae.  
Case, P.C.I., Publ. 207, 1915, p. 174, figs. 48c-e.
3436. Undetermined reptile. Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 175, figs. 49c-d.
3437. Undetermined reptile. Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 174, fig. 48f.
3439. Undetermined reptile (*Ophiacodon?*). Scapula.  
Case, P.C.I., Publ. 207, 1915, p. 174, Pl. 24, fig. 8.

## AVES

14405. *Buteo grangeri* Wetmore and Case. Skull. Holotype.  
Wetmore and Case, C.M.P., Vol. IV, 1934, p. 129, Pl. I, figs. 1-3.

## MAMMALIA

## CARNIVORA

18955. *Cynodesmus casei* Wilson. Fragment of maxillary. Holotype.  
Wilson, C.M.P., Vol. V, 1939, p. 315, figs. 1-2.
7536. *Dinictis felina* Leidy. Nearly complete skeleton.  
Case, Mich. Alumnus, Vol. XXVII, 1921, p. 297 (figure not numbered). Restored skeleton.

## CETACEA

15117. *Cyrtodelphis*. See *Schizodelphis*.
15117. *Schizodelphis* (*Cyrtodelphis*) *bobengi* Case. Skull. Holotype.  
Case, C.M.P., Vol. IV, 1934, p. 105, Pl. I, figs. 1-3; Pl. II, figs. 1-4.

LAGOMORPHA

8942. *Paleolagus haydeni* Leidy. Skull.  
Dice, Papers Mich. Acad., Vol. 18, 1933, p. 455, Pl. XXV, figs. 1-2; Pl. XXVI, fig. 1.
14317. *Paleolagus haydeni* Leidy. Skull and part of skeleton.  
Dice, Papers Mich. Acad., Vol. 18, 1933, p. 455, figs. 10-12; Pl. XXVI, fig. 2.

UNGULATA

18210. *Bothriodon americanus* (Leidy). Skull.  
Scott, Trans. Amer. Phil. Soc., Vol. 28, 1940, p. 463, Pl. XV, fig. 1.
3449. *Hippopotamus lemerli* Grandidier. Composite skeleton.  
Case, Mich. Alumnus, Vol. XXI, 1915, p. 248. Figure of mounted skeleton.  
Case, Mich. Alumnus, Vol. XXVII, 1921, p. 297. Figure of mounted skeleton.
11308. *Mastodon*. Skull and limb bones.  
Case and Stanley, Cranbrook Inst. Sci., Bull. 4, 1935, pp. 3-8, 4 figs.
7325. *Platygonus compressus* Le Conte. Composite skeleton.  
Wagner, Journ. Geol., Vol. XI, 1903, p. 777, 4 figs.  
Case, Mich. Alumnus, Vol. XXVII, 1921, p. 295, fig. 1. Mounted skeleton.
3450. *Symbos cavifrons* (Leidy). Skull.  
Case, Occas. Papers Mus. Zool. Univ. Mich., no. 13, 1915, Pl. I; Pl. II, figs. 1-2.  
Case, Mich. Alumnus, Vol. XXVII, 1921, pp. 293-294, 2 figs.

NUMERICAL LIST

OF THE TYPE AND FIGURED SPECIMENS

1103	3029	3245	3333	3385	3419
1163	3039	3246	3343	3395	3420
2338	3040	3247	3354	3396	3422
3000	3044	3294	3355	3404	3423
3001	3051	3295	3361	3406	3424
3004	3059	3299	3363	3408	3425
3025	3060	3316	3366	3418	3426

3428	7324	8868	13043	13822	14366
3429	7325	8870	13046	13823	14405
3430	7333	8923	13048	13824	14408
3431	7364	8942	13049	13825	14530
3432	7366	9318	13055	13896	15117
3433	7367	9626	13171	13898	15446
3434	7368	9630	13207	13901	15994
3435	7442	9634	13670	13903	15995
3436	7445	9636	13674	13905	16000
3437	7447	9683	13675	13906	16002
3439	7448	9805	13695	13907	16003
3441	7469	10191	13727	13912	16005
3442	7470	10336	13735	13943	16006
3443	7472	10604	13765	13947	16007
3444	7473	11156	13766	13949	16009
3446	7474	11308	13773	13950	16011
3447	7475	11663	13774	13972	16031
3449	7476	12887	13775	13975	16032
3450	7487	12940	13776	13984	16040
3814	7504	12946	13781	13993	16054
3972	7505	12974	13782	14098	17600
7244	7506	12976	13784	14154	18210
7247	7507	12977	13786	14205	18565
7251	7522	12978	13788	14240	18567
7253	7523	12979	13789	14241	18955
7261	7532	12980	13792	14267	19568
7265	7536	13027	13799	14317	20490
7266	8393	13028	13806	14325	21326
7268	8409	13029	13810	14326	22206
7312	8854	13040	13816	14327	22207
7317	8855	13041	13819	14356	23127
7322	8859	13042	13820		







