EXPLANATION OF PLATES, PART II.

PLATE XXIII.
Kansas Cretaceous Sea.  (Page 234.)

PLATE XXIV.
Figs. 1, 1a, 1b.—Lamna sulcata Geinitz, after Leidy, natural size.
Figs. 2, 2a.—Scapanorhynchus rhaphiodon (texana) Agassiz, natural size, after Leidy.
Fig. 3.—Leptostyrax bicuspidatus Willist., from the side, natural size.
Fig. 6.—Scylliorhinus (Lamna?) gracilis Willist., enlarged.
Figs. 7, 8.—Scylliorhinus planidens Willist., enlarged.
Fig. 5.—Scylliorhinus rugosus Willist., enlarged.
Figs. 9, 10.—Fragments of undetermined teeth from Kiowa shales.
Fig. 11.—Cælodus stantoni Willist., imperfect right splenial dentition, natural size.
Fig. 12.—Cælodus brownii Cope, imperfect left splenial dentition, natural size.
Figs. 13, 13a.—Amphibian atlas from Laramie Cretaceous.
Fig. 14.—Undetermined shark tooth (Corax?) from Benton of Colorado, enlarged.
Figs. 15, 15a.—Leptostyrax bicuspidatus Willist., natural size.
Middle figure of plate—Selachian verbebra (Corax?) from Niobrara Cretaceous.

PLATE XXV.
Ptychodus mortoni Mantell, natural size.

PLATE XXVI.
Fig. 1.—Ptychodus mortoni Mantell, part of dentition of upper jaw, as preserved in the matrix, four-sevenths natural size.
Figs. 2, 4.—Scapanorhynchus rhaphiodon Agassiz, natural size.
Fig. 3.—Lamna appendiculata Agassiz, natural size.
Fig. 5.—Isurus mantelli Agassiz, natural size.
Fig. 6.—Cælodus stantoni Willist., crowns of two teeth from internal row, lower jaw, much enlarged.
Fig. 7.—Leptostyrax bicuspidatus Willist., enlarged.

(394)
PLATE XXVII.

Fig. 1.—*Ptychodus mortoni*, end of superior dentition, continuous with left end of fig. 1, plate XXVI, but less reduced.

Fig. 2.—*Ptychodus mortoni*, a transverse series of teeth, arranged more loosely, from near the right extremity of fig. 1, plate XXVI, about two-thirds natural size; the upper series belong one at each end of the lower series.

PLATE XXVIII.

*Ptychodus martini* Willist., three-fourths natural size; the teeth were discovered disassociated.

PLATE XXIX.

Figs. 1, 2, 3.—*Ptychodus*, sp. indet.

Fig. 4.—*Ptychodus occidentalis* Leidy, natural size.

Figs. 5–8.—*Ptychodus anonymus* Willist., natural size.

Fig. 9.—*Ptychodus polygirus* Buckl., a little enlarged.

Figs. 10–15.—*Ptychodus whipplei* Marcou, nearly natural size.

Figs. 16–18, 20–22, 24.—*Ptychodus anonymus* Willist., nearly natural size.

Figs. 19, 23, 25, 26, 27.—*Ptychodus*, spp.

PLATE XXX.

Figs. 1–3.—Undetermined lamnids from Kiowa shales, Lower Cretaceous, enlarged one-half.

Fig. 4.—♀ *Mesodon abrasus* Cragin, enlarged one-half.

Figs. 5, 6.—*Lamna*, sp., from Kiowa shales, enlarged one-half.

Figs. 7, 8.—*Corax curvatus* Willist., from without and within, enlarged nearly two diameters.

Figs. 9–11.—♀ *Ptychodus janewayii* Cope, enlarged.

Fig. 12.—*Lamna*, sp., enlarged nearly two diameters. Kiowa shales.

Fig. 14.—*Ptychodus polygirus*, from the side, natural size (the same tooth figured on plate XXIX, fig. 9).

Fig. 13.—*Ptychodus occidentalis*, enlarged nearly two diameters.

PLATE XXXI.

Figs. 1–40.—*Corax falcatus* Agassiz, about nine-tenths natural size; isolated teeth from many individuals.

Figs. 41–46, 50–52.—*Isurus mantelli* Agassiz, nearly natural size.

Figs. 47–49.—*Lamna appendiculata* Roemer, nearly natural size.

Fig. 53.—*Ptychodus*, sp., enlarged one-fourth.
PLATE XXXII.
Figs. 1–11.—Corax falcatus Agassiz, from a single individual.
Figs. 2–21.—Isurus mantelli, from a single individual.
Figs. 3–3c.—Lamna appendiculata.
Figs. 4, 5.—Scapanorhynchus raphiodon Agassiz.
Figs. 6, 7.—Isurus mantelli.
All six-sevenths natural size.

PLATE XXXIII.
Skull of Xiphostinus audax Leidy, one-third natural size: pmx, premaxilla; mx, maxilla; den, dentary; dar, dermartial; eth, ethmoid; fr, frontal; pa, parietal; soc, supraoccipital; epot, epiotic; pto, pterotic; pa, parietal?; prf, prefrontal; pq, postfrontal; pal, palatine; sor, suborbital; suor, supraorbital; sc, slerotic ring; ps, parasphenoid; su, jugal?; hm, hyomandibular; pop, preopercular; op, opercular; sop, subopercular; q, quadrate; 1, 2, vertebrae; n, n, n, neural spines.

PLATE XXXIV.
Left mandible of Xiphostinus audax Leidy, external view, one-half natural size: den, dentary; dar, dermartial.

PLATE XXXV.
Left mandible of Xiphostinus audax Leidy, internal view, one-half natural size:

PLATE XXXVI.
Xiphostinus audax Leidy, one-half natural size.
Fig. 1.—Slerotic ring.
Fig. 2.—Premaxilla.
Fig. 3.—Maxilla.

PLATES XXXVII, XXXVIII, XXXIX.
Maxillae, premaxillae and mandibles of Xiphostinus audax Leidy, one-fourth natural size, showing the great individual variation in these parts.

PLATE XL.
No. 155. Maxilla, premaxilla and mandible of Xiphostinus brachygnathus Stewart.

PLATE XLI.
Superior maxillary condyles of Xiphostinus audax Leidy, one-third natural size, showing variation in the same.
PTYCHODUS MORTONI.
PTYCHODUS MORTONI.
PTYCHODUS MARTINI.
LAMNA, 1-3, 5, 6, 12. MESODON ?, 4. CORAX, 7, 8. PTYCHODUS, 9, 10, 11, 13, 14.
CORAX, 1-40.
ISURUS, 41-46, 50, 52.
PTYCHODUS, 53.