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Dr Wm Clark of Berea, Cuyahoga Co O. has a very interesting collection of fish fossils - some of them probably the most important known to Science. These fossils were found in Middleburg Tp Cuyahoga Co, which has been heretofore considered as in a non-fossiliferous district. Among them are

Titanichthys - found in Cleveland Shale

Os Hyoid bone 32" × 32" longest + widest points

2 Bones 10" × 26". Supposed by some to be part of the jaw; + by others, paddlearm. terminating in irregular form. Those supposed to be Cranial bones measure as follows

Width 62". length 73". Mandible 38"

2 Coprolites - Largest being 4" long × 2½"

Titanichthys Clarkii, from Clev Shale

Described by Prof Newberry in Govt Monograph of fossil fishes now in course of preparation

Head 51" wide, Nasal line 17" long + a mass of bones belonging to head - position not known.

3 dorsal plates 46" wide Consisting of 1 Medium + 2 Laterals

1 Pair Mandibles 34" long in straight line + 5½" wide, perfect.

1 Pair imperfect Mandibles + Head - nearly large as above

35 to 40 irregular bones belonging to same, + varying from 3" to 20" in length, one face of them articulating head, 4" in diam^{r}

1 Tooth 4" long × 2½" base + 1" thick at thickest part

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2 specimens of Cladodus Concinnus, jaws - head bones, fin rays + teeth -

3 specimens Cladodus Pattersoni including teeth, jaws. Cranial bones + fin rays

1 specimen Cladodus species unknown

1 specimen - Species unknown carrying pair lateral fins in position

1 specimen Stenacanthus Clarkii

portion of spine + shagreen, on one slab

1 specimen Stenacanthus Clarkii, large fin + spine + bones attached (fin measuring 7" × 8")

5 Plates Tracostius Clarkii tuberculated

plates highly ornamented + terminating in spines

1 pair Mandibles measuring 8" long, with teeth attached

1 perfect Eye orbit; 4" diam^r

1 imperfect Eye orbit - — Cranial bones —

Supposed to be Cladodus Parvulus - found in Cuyahoga Shale

a mass containing jaws, teeth + Cranial bones

10 Slabs Cladodus Parvulus with bones + teeth

7 Slabs containing bones carrying fins

1 Pair fins detached

1 doz Pcs. Carrying bones - position unknown

2 Large Spines unknown

2 Large spines Stenacanthus Formosus - one being 16½" long

Mass of 10 or 12 imperfect spines

Assortment of 12 to 15 small Coprolites

17353

20. pavement teeth 1/3" to 2 1/2" long
75 to 100 smaller teeth of different species
mass of unclassified bones
2 fish perfectly preserved 4 1/2" + 21" long - carrying fins + scales - the longest one possessing strong reptilian characteristics

1 Specimen Paleomiscus Brownsi. found in Berea Sandstone 10" long, carrying fins scales &c

Specimens found in Corniferous Limestone. Kelly Island complete as shown in Palaeontology of Ohio. to wit –

1 Cranium Macropetalicthys Sullivanii complete head measuring 6" × 8"

1 dorsal + 1 lateral nearly perfect

Onychodus. 3 jugular plates

1 small spine supposed to belong to same

1 small jaw with 9 teeth

3 teeth of the Intermandibular crest

3 spines Acanthaspis Armatus showing external view

1 spine do do do internal do

2 Acanthaspis plates species unknown, one showing external + the other showing internal view

1 Cranial plate Acanthaspis

1 Tooth of Rhynchodus Secans

12 pcs bone unclassified

17354

7 Specimens fossil fish from Coal + Tertiary deposits
6 Plates tuberculated fish fossils from Delaware O.
a Large Collection of sub-Carboniferous fossils, many
according to Prof. Orton, Claypole + others; heretofore
unknown to Science

Everything belonging to the Berea grit: Embracing
many new species of the sub-Carboniferous, according to
Claypole; + fine as they ever seen.

A Large assortment of very fine vegetable impressions
Embracing 25 to 30 different species of plants from Cuyahoga Shale
Small Collection of rare Indian Relics
Mr Clarks fossil fish specimens will cover
from 175 to 200 sq ft Shelving

Several Colleges have endeavored to secure this Collection
+ Large sums have been offered for single specimens
but I have induced Mr Clark to refuse all negotiations
until an opportunity is given to secure it for
Smithsonian Institute, my opinion being that, if
it is remarkable as represented to me, it should
belong to our National Museum

H C Van Tyne
of Oberlin O

OFFICE OF THE DIRECTOR

1067 | G.R. | JUN | 23 | 1887

"Oberlin, O.

17355

Van Tyne, N. C.

Says Dr. William Clark, of Berea, O. has very interesting collection of fish fossils, and they are for sale.

June 23, 1887.

Respectfully referred to Prof. O. C. Marsh.

By order:

P. C. Warman

1067. Actg. Chf. Clerk