Field notes, circa 1955

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1955

Aug. 11.
Oklahoma

A11* Shale and thin limes on east side of road underlying a limestone member of the Fresnelly Limestone. Abundant Monotobius. This may be where I collected in 1947. M. haydenensis is fairly common. Estimate the number to be about 0.28 mile south of the bridge over Oil Creek. The Fresnelly Limestone is in the NW 1/4 SW 1/4 32-35-4E, Johnston Co.

A11* is the shale just under the Fresnelly limestone, abundant Monotobius. This is where I collected in 1947.

A11* is about 0.5 E of road and just above a thin limestone.

Aug. 12.

A12* Pumpkin Creek, 0.1 mile south of NW cor. 29-35-2E, Carter Co.

A12* Some 100 yds E of NW cor. 29-35-2E.

A12* 0.1 mile N of road, SW 1/4 SE 1/4 35-1E, Carter Co. Sixty 4035.

A12* NW cor. 33-35-1E, Carter Co., Okla.

A12* Otherville, 600 feet S of NW cor. 5-65-2E, Love Co., Okla.
Aug. 16,

Four kegs packed at Muskogee, all of water. KeG #4 contains one lot.

On top half of keg, without label.

This was collected Aug. 16 in afternoon inside root of Okla 10
ca 3½ to 4 miles SE of Fort
Elmira, about center S½ of NW ¼
21-15N-20E, Helbert B., Oklahoma.

Beds with big producers 7. Centenella
very near top of Bonefield. These
are underlain by granular, with
large Flexaria acid clastic like
the influents of the Chester. These
however underlie the big producers
bed which has bonefield all.

Beds with big spicifer just underlie
the Flexaria beds and under these
is a layer teeming with bonefield all.
Under this same distance comes
Matania. big brown color red bed. Below
that the rocks are quite shaly.

Beds with big spicifer and teatho is just below the Flexaria bed.

Athylid in Fayetteville on okla 10
is near base of shale. This near
center SE ¼ NW ¼ 21-15N-20E.
August 18

Section on east-facing bluff
SE 1/4, NE 1/4, T-22N, R-20E, Mayes Co., OK.

G

- Sublithographic loam with flaxiana, silt, and top soil, 2.5-
- Dark shale, clay, silt, Buriusia, large
- Dyctyochetus

F

- 3-4.5'
- Orceina, microshells, flaxiana, spiniferina, hammer, flaxiana, ephyra, flaxiana, ammolites

E

- 10" - 15"
- Orceina, microshells, flaxiana, spiniferina, hammer, flaxiana, ephyra, flaxiana, ammolites

D

- 3.5-6'
- Dark shale, clay

C

- 6'

B

- 12'
- Dark shale

A

- 4.5-
- Line

- Sublithographic loam

Eocene at NW 1/4, SE 1/4, T-31, R-20, N-20E, Mayes Co., seems to be same horizon as 1E.
August 15

A 1855 - Granular limestone with
Archimedes, Diaphanosoma, probably

Hendsville

1855' Quarry in upper part Hendsville
Camatoschema common, Paracanthina rare.

Swear. 15 - 25 N - 21 E, Craig Co., Often
Where oligotheagoo. Oligotheagoo -
lake being good. Hendsville, Hendsville.

A 1855' - Fayetteville - many oysters
Center S 1/2 NE 1/4 10 - 25 N - 21 E, Craig Co.

Aug. 22

Abandoned by about SE 1/4 NW 1/4
34 - 26 N - 3 W, 4 1/2 mi. SSE of
Diamond, MO.
August 27
Lectum at Grand Summit
about 1/2 miles N E of Station.

Slabs with interior of juvacea
among top of limestone capped
by fullerite (Morrill 27)
by loam shale

<table>
<thead>
<tr>
<th></th>
<th>Juvacea common</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>x x x</td>
<td>l. molar l. level of fossils</td>
</tr>
</tbody>
</table>

Red sh. 2
sh. 2

Aug. 28
Old locality for silicified turner
is 3 1/2 mi. N of center of Dexter
about center east line 36-325-6E
First cut from S is 3 mi north
of Dexter. Second cut is 3.5 miles
N and is one from which most
silicified stuff come. Second cut
is about 0.1 mi. S of NE 1/4 36-325-6E
At junction Kansas 38° 15' exposure of flinty limestone = Florence Co.
We collected from a shale possibly Blue Spring shale.
Just east (downhill) from intersection is roadcut with
Dunbyia cymbula at base.
This is in chert 2s., The Washford
and is about ¼ mile E of Florence
chert cut and probably 50' below it.

0.2 mile W of Elk-Cowley Co.
line, good Florence beside road.

Just over RR track a little about 1 mile
on US 166 is a poor cut in top
Florence. Second cut about 0.2 mi. W
and 30' higher is in algae beds
same as seen just east of
Hoover. Dunbyia hoesnerianus
must therefore be out of the Florence.
Aug. 30
US 77 about 5 1/2 mle. 5 of Junction City

Fort Riley

Non-calcareous yellow 6
8-10'

Shaly, bright blue
Squawmica
clay 6 2'

Shale blue 1-2'

Clay 20.

Clayty 20.

Blue 5-6'

Blue and chocolate shale
20-25'
Locality Stop 7 Kansas Guide #6

At Stop 7 on Waite, Mo. Pac. overpass Dubois lo in ditch & Holt at just above. Along R.R. to NW about 1/4 mile no doubt limestone full of fossils. The Dendyia kenenke comes from just above the Dubois while the larger fossils come from about middle of Holt shale. All belongs to.
Sept 5

Section just east of western bend of Dawson.

Shale

Shale with lower 4’ full of fossils & thin brown layers of fossils. Limonite, D. americana

D 20 6”
Shaly ls. full of fossils.

C Shale 3’1/2’
Foraliferous D. Americana

B 15 8’-10”
Shaly ls forming hard band

A Shale 5’

Road level

Fossils from c, d & lower half e.
Sept. 5.
By 0.2 mile east of junction 28 24 + 48.59, No of 1824 about 0.2 mile. Hamm's Quarry, east of ferry. The 5' bed is irregularly beded, light blue when fresh, but turns brown on exposure.

shale

5'
limestone with framites & many fossils

shale 2'

15-20' limestone in thick layers

by floor
Sept 6

Letter to R.C.M. about treatment status, word from Williams, etc.

Mooring (1 mi NE)
Just W

Borrow pit at junction 99 + 160.
Just N of RR just W section 11 - 31S - 10E, Elk Co.

Check

Area as at Lecompton for Kearsford

Lecompton Upper part is Kearsford
Look for Poikilosabos

Adams Dr at Midland - one mile west quality in Oread. for Poikilosabos
North of Big Springs for
Lecompton (bird)

Big Springs, take road just E of
P.O. go N 2 miles to school, take
road (grass) half mile, along
RR to west

76.90
76.45 at RR
76.6
75.4
73.7
3.4 mi N to RR
1/2 mi west along
RR tracks.

Endora

Entebete

Endora
Mr. L. Sturgis at Frederic-Oil geologist
Frederic Ag in
Staten.

Chamotte
Vilas-Wof Chamotte
1/2 mi E of Vilas, cut on RR
E of road crossing. Crossing
of RR of by 39.

Just S of Humboldt, Ag in Nola
Quary for Nola in cement
by south of Nola on E.

√

Abandoned Quary for Nola is e.
Just N of Mithledt about one
mile, west of road.

RR cut at Hooven is south of
US 160 on big loop.
Check & send Roy general survey on coverage.
Melvern - edge of town.
Send Ralph King Mexican Pension.
NW 1/4 27-17S-20E

Ottawa

US 59

Legpt 1

2nd east 3rd 50 of Michigan Valley
to RR tracks, 1/4 mile south
on RR.
Sept 9.
Along RR 3.5 mi N & 1/2 mile W of Big Springs, Kansas

Arco - limestone 3-4'

King Hill - Shale 7-8' gray

Coffin Field

Arco Hill -

F 6' - upper part shaly, packed with forcal shale black, becoming light gray 2'

At basal half 2' layers massive 18' Upper half shaly fracturing

Gray sandy shale 12'
May 12, 1953

Hill east of Pompey Center on US 20

Hand irregularly bedded as will.

Tannoms may top of Delphian formation at head of wood.

Crumby but firmer than below, many mollusks scattered on rock.

Crumby gray shale with Bentenia + Lopornax

\text{Total depth} \ 5-6' \ \text{98'}

Mottville 15'

Falls one mile west of Cayla. Has 6-7' of Tinkers Falls member at base.