Field notes, 1968

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July 8 to August 8, 1968

Trip to Mo & Okla.

Left Washington on July 8 at about 7:30 in Ambassador Station Wagon. Stayed in Charleston, W. Va. overnight. Trip to Charleston in U.S. 60 a nightmare of curves and hills. From Charleston went to Paducah, Kentucky on the 9th of July. Most of way after high days in beautiful rolling country. From Paducah we went to St. Louis, Missouri at U.S. 60 through Springfield. Arrived in St. Louis about 4:15 and put up at Plaza Motel.

July 11.

Went north on I-71 to Joplin Ford. Then went down U.S. 66 West and followed road on 8 west side of U.S. 66 creek back to Neosho. Exposures of Keokuk appear in bluffs above creek. This hilly country on its west side. We found the good collecting place in a gulled road in NE 1/4 SW 1/4 26-26N-32W about 7 miles S & one mile east of Joplin Ford, Neosho.
Large quarry in SW 1/4 T-25 N - 31 N about 1 3/4 miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of 20th 3/4 mile N of Newtown Limestone here medium gray, fine to coarse grained, general massive with bands scattered bands of chert which contain the fossils. Chert contains Actinotus commun, Ovata, C. labriformis c. and Pseudosyrinx fairly common.

July 12
Went to Gypsum pits about 1 1/4 miles N of Seneca, Missouri. The locality is NW 1/4 NW 1/4 35 - 25 N - 34 W, 1/4 miles NNW of Seneca, the Seneca (7 1/2) NW, Missouri. Collected until about 2:30 PM. Came back to Neosho through Webb and Kansas.

July 13.

Visited roadside on branch of Jones Creek, SW corner of SE 1/4 34 - 28 N - 31 W, NE of Fidelity. Here we saw Margenuris magnus.

Went on to quarries at
Carthage (Marble Co.) about one mile N of the city on road just east of US 71. Collecting very poor.

68-6 Arrow on section line about 1/4 mile S of NE 25 in 18-25N-29W, 2 1/4 miles ENE of Newtonia. About 10' massive granular limestone followed by granular dolos in thin beds with shaley partings 5-10' collecting poor.

July 14.

Left Neosho about 9:00 A.M. Went S on US 71 to Anderson, then on Mo. 57 to Noel, and from there west to Limit where we arrived about 12:30.

68-7 St. Joe limestone in long cut on Mo. 57, on N. limit of North Noel, just one mile N of junction Mo. 57 and 90 in Noel, Missouri. St. Joe, a bluff of 30 feet of limestone overlying 12 to 20 feet of Chattanooga shale. The St. Joe reminded me of the Lake Valley in color and texture but was harder and more compact and with few fossils.
68-8. Low, long hill on south side of flag pole showing about 15'-20' of flaky, crumbly, shale capped by thin bedded limestone. The latter disintegrates and sheds slabs and loose fossils over the surface. Limestone in Fayetteville shale, NW/4 11-25N-21E, 8 miles E and 3 miles N of Vinita, Craig County, Oklahoma.


July 15.

Vicinity of Vinita, Okla.

68-10. Fayetteville, NE/4 11-25N-21E, 61/2 miles E and 2 1/2 miles N of Vinita, Craig County, Oklahoma. Low cliff with washes in shaly, Fayetteville, Chifun in common.

68-12  Read out on Okla Hy 87, 1/4 mile south of junction with R860. Mostly dark shale with thin band of lime about 5' up. Chlorite and chloritization above thin layer is more blocky shale 8' thick capped by about one foot of limestone containing Dinoflagellate and Orthopetate. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Dec 27-25N-21E.

68-13  Large pit in hard massive coarse calcareous white to light gray with short bands up to 8". Ledge Syncrateris and large proetidid scale. Fossil very scarce. Stratigraphically unlike Fayetteville and is probably an index of Borne.

July 16

Spent entire day east of Adair 68-15 at locality in NE 1/4 SE 1/4 22N 210E, 3 1/2 miles NE and 2 1/4 miles south of Adair, Rogers County. Here I found hill like washes on the east side. Dark shale about 5' thick is followed by a foot or two of limestone above. The ls. is more shale, 53.76' followed by another limestone. The top limestone abounds in Dactylina. Collecting was just as good this day as which I was here with Bob Main in 1955.

July 17

68-16 McCandla locality - Some uncertainty exists as to the exact locality because the road and Salina Creek are in the wrong position. The road is actually north of the creek which puts the locality in the SW 1/4 NE 1/4 11-21N-21E not in section 13 as McCandla gives it. The best description of the location is on Salina-Kenwood Road, 2.3 miles west of Kenwood, Salina Twp., Mays County, Oklahoma.
July 18

68-17 Adair & Spaviman
Locality with abundant Austedia. This is 1.45 miles west of the SW corner sec. 32-23N-20E and about 0.4 mile north of the road, about the NW 1/4 SE 1/4 23N-20E. Here are Arumica, Austedia and reticulinae common. Mayes County.

68-18 Closer to small butte 1/4 mile E of 68-17, Up. Fayetteville, NE 1/4 SE 1/4 23N-20E. Very poorly fossiliferous.

Spaviman

68-19 Warsaw - 1/4 mile on east side Oklahoma hwy 20, 1.2 miles by road SW of Spaviman-Creek bridge and 2.3 miles S of the center of Spaviman by road. The locality is on the steep hill rising from the river and is at about the crest of the hill. Probably SW 1/4 15-21N-21E although the sec, Tp and R are somewhat uncertain. Collecting not good but sp引发 of large bigna fairly common.

5/2 line between secs. 15 and 16, on east side road (Hy 20).
July 19

Moved from Vinita to Muskogee.
Reached Muskogee at lunch time.
Went out to Burdges Mtn. section and worked on Fayetteville but were rained out.

Fayetteville (lower), about SE 1/4 NW 1/4 21-15N-20E, on Oklahoma Ht. 10,
just above base of hill, about 75' on big loop of big. up Burdges Mtn., Muskogee Co., Okla.

July 20.

Spent day along Oklahoma Ht. 10

68-21 Center N. mile 5W 1/4 NW 1/4 36-13N-20E
on branch of Cedar Creek one mile NE of Cedar Creek School,
about 3 miles NW of Here, Webbers Falls □, Oklahoma

68-22 Specimen in sandstone at bend
of road on top of hill overlooking
Greenleaf Lake on road about 4.2 miles
N of Silver 11-13N-20E, about 0.6
miles SW of bridge over Greenleaf Creek, Webbers Falls □, Okla.

68-23 Upper Fayetteville, on Okla. 10,
at south end big loop of big
About NW¼ SW¼ 21-15N-20E on east side road in big cut,
Hulbert, Okla.

68-24 Morefield shale formation,
Bluff 1 field above bluff, on west
side road on 5 side bridge
NE¼ SE¼ 19-15N-20E,
Hulbert, Oklahoma, 0.6 mile
S of Okla Hg 10.
Shale, Morefield with abundant
products.

July 21.

68-25 Along branch of Bayou Manard in
Creek bed, NW¼ NE¼ 18-15N-21E,
One mile S of US 63, between
Crossland Hill and Red Berry Mtn,
Cherokee Co., Oklahoma.
68-25A - Bed with Spruce
common.
68-25B - Bed with small
ammonite - alive productid
68-25C - Bed with trilobites
68-25D - Bed with abundant
mollusks
68-25E - Lower bed with Morefield
68-25F Upper " " 
July 22

68-26

Qualls
East on US 62 to Burnt Cabin Road, south on B.C. road past Zeb Store to Qualls. Locality, on bank of a stream in a small clearing 0 1/2 mile N and 1 1/2 miles East of Qualls, about 0.4 mile east of The SW corner sec 29-15 N 22 E. Collecting on south side of road. Listed as Fimbriatelle but may be basal Fayetteville. Good egg with almost boulders in stream bed. Possible Hayes collecting locality on NE side of big loop at center E line 29-15 N 12 1/4 E.

July 23

Travelled from Muskogee to Sedalia. Work most of day.

July 24

Went to Sweeney Quarry which is 600 paces NE of Loyd RR track at road crossing in SE cor. SW ¼ SE ¼ 4-46 N 19 W, about 2 miles NE of Clifton City, Cooper County, Missouri.
July 25

68-28 80 Beerster - Drive 68-28 roads NW of station and saw several localities with good appearance but few fossils. Collected a few specimens in stream NW/4 NE/4 29-50N-12W, 3/2 miles NW of Beerns Station, Sturgeon (J.5") IX, Mo. After collected in quarry 68-29 1/4 mile south of Easley, 1SWer SW/4 NE/4 3-46N-13W, Columbia IX, Missouri, just s of quarry a road goes up to a second opening and mine in the limestone. Just o of road we collected chert from fossils.

July 26.

68-30 Old US 65, 5 miles N of Sedalia, Mo.

68-31 Called Sedalia by Boshers - loose fossils in chest. On each side of the road one mile E of the junction of Mo 52 and US 65, and 13 miles West of Cole.
Camp, Mo, adjoining corners of
sections 28, 29, 30, 33 - 43N - 21W,
Benton County Missouri

68-32 Probaly Kaylinger Bluff
of Mo. (Called Kiesinger).
South end of bluff forming
a sharp point. Where overlook
of Kaylinger Dam is located
Northwest of Warsaw, Benton
Co., Missouri.
Check topographic map.

68-33 South end of bluff with
overlook of Kaylinger Dam
but 30 or more feet below the
preceding.

July 27

Left Sedalia arrived Bella, clia
about 1:30 P.M., went 3 of Bella
and collected Fella beds from
old quarry on line between sees.
34 and 35 0.4 mile N of SE cor 34,
76 N - 18 W, about 4 miles
South of southwest side of Bella,
Iowa.
68-35  Large pit in Pella beds  
NW 1/4 S. 1/4 22-76N-18W.  
about 2 miles S of south 
side of Pella, Iowa.  

July 28  

68-36  Sargent's Bros. Quarry, Peru  
Carbonate shale with Fossiliferous  
about 1 mile west Peru, Iowa.  

68-37, 38, 39  Hy. 92, just E of Middle River  
2 miles NE Stangel, N of Hy.  

68-40  Cherryvale shale (check) 0.8 mile  
N of Hogback bridge (covered) over  
North River.  

July 29  

68-41  Quarry E side US 169, just  
south of south line off  
Winterset, Madison Co., Iowa  
Redball Co.  

68-42  Breaman Dr., NE 1/4 27- 
22-76N-38W, 1 mile NW of  
Etternett, Montgomery Co., do 
Entelethes = 68-42.
68-43 Lucoproducer beds.

68-44 Rice-agate. Ky. 48. About 3.2 miles N of bed Oak. Turn E at transformer station on paved road from junction with US 34.

68-45 0.8 mile S of US 34 in Plattsmouth. Turn E, follow road 3.3 miles Wellerella beds.

68-46 Lucoproducer beds same as 68-48.

68-47 Bed same loc. on 45.

68-48 Jones Point, Union, Nebraska. On Mo. R.

68-49 From a quarry on the Missouri River about one mile south of Plattsmouth, Nebraska. Donated by Amel Priest.

July 30

68-51  On curve 220, ½ mile west of Middle Amana, Iowa, Independence shale.
       Middle Amana

68-52  Independence - Ay 2.1 miles S of road SE of Schellsburg, Iowa.
       PictureTaken

68-53  About 1.4 miles SE of Vinton.
       Bo out 12St and follow space yard.
       Dg west of road. Picture Taken.

68-54  Roadside 1/4 mile 5 of Ia 283 on.
       Benton CV-71, Benton Co. Iy V-71 1/2 mile E of E.
       end of Brandon, Iowa.

68-55  Independence - Ay 1 mile N. of
       east edge of Brandon (Ia 283), Iowa.

July 31

68-56  Ay at Vinton.

68-57  Sperifer beds

68-58  Keusselandia beds

68-59  Topmost beds.
August 1
Sent off 4 bundles from Independence. Left
Independence & visited with Furnish & Glenister at Des
City, where we obtained some
maps. Visited locality in
Quasqueton. Colman Member.

68-59 Road cut NW 1/4 28-38N-8W, 0.15
miles W of bridge over Pine Creek,
about 1/2 mile by road NW
of Quasqueton Buchanan Co., Iowa.
Went to Burlington.

August 2

68-60 Starn Cave, SE 1/4 NW 1/4 19-70N-2W,
3 miles N of West end of
Burlington. Des Moines County,
clover. Sev. of beds collected
are Pliospecl Still Water time = 68-60

68-61 Starn Cave Formation at
Starn Cave

68-62 Wassonville Member at
Starn Cave.
68-63 English River Shalestone, Yellow
Spinica Creek Subbasin, West of
Central line sec. 34 to center sec
35 - 71N - 2W, Des Moines Co,
Kingston, Iowa.

68-64 Same locality as above but
Stains Cave Formation (olite)

68-65 Weaver Quarry, NE cor 26-
72N - 2W, About 3 miles N of
Check This Kingston just SW of junction
on Oakville of Clowar Hwy 99 and Cedarville Hwy X
Cedar Forks Member of Burlington
Across Robloe Als from cemetery.
August 3.

68-66 Kaiser Quarry, SE 1/4 1, 71N-
4W, Des Moines Co. 2 1/2 miles
Sand 4 1/2 miles W of Indianapolis, La
Cedar Forks member.

68-67 Wassonville Mem. of Hampton
M. Kaiser Quarry as above
Afternoons returned to
Weaver Quarry.
August 4.
68-68 Old Ag S.E. 1/4 S.E. 1/4 69N 4W, about 3 miles NW of Augusta, on Shank Creek Road, Kechuk
68-69 Old Ag 1/2 mile S.E. of Augusta, 1/4 S.E. 1/4 NW 25-69N 4W, Lee Co., Burlington, mostly Cedar Fork

August 5.
68-70 Ag 0.8 mile N of Ely, Iowa
68-71 Old Ag on West edge of Holon, Iowa

August 6.
68-72 Dundee Quarry 2 1/2 mi S.W. of Ely
68-73 Silica

Obia

Stood at Quarry for 2/3 his stayed overnight at Ely

August 7

Elyna to home—reached at