

Arnel + Lucile Priest
① July 8 to August 8, 1968
Trip to Mo + Okla.

Left Washington on July 8 at about 9:30 in Ambassador Station Wagon. Stayed in Charleston, W. Va overnight. Trip to Charleston on US 60 a nightmare of curves and hills. From Charleston went to Paducah Kentucky on the 9th of July. Most of way open throughways in beautiful rolling country. From Paducah, Ky we went to Neosho, Missouri on US 60 through Springfield. Arrived Neosho about 4:PM and put up at Plaza Motel.

July 11.

Went north on Hy 71 to Tipton Ford then went down to Shual Creek and followed road on E west side of Shual Creek back to Neosho. Exposures of Keokuk appear in bluffs where creek hugs the hilly country on its west side. We found one good collecting place in a gullied road in NE 1/4 SW 1/4 26-26N-32W about 2 miles S and one mile east of Tipton Ford, Neosho □

Coll.
68-1

(2)

68-2 Large quarry in SW $\frac{1}{4}$ 7-25N-31W about $1\frac{3}{4}$ miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of road $\frac{3}{4}$ 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 *Orthis* common, *Ovatia* c, *Labioproductus* c and *Pseudograptus* fairly common.

July 12

Went to Tupoli pits about $1\frac{1}{4}$ miles N of Seneca, Missouri
68-3 The locality is NW $\frac{1}{4}$ NW $\frac{1}{4}$ 35-25N-34W, $1\frac{1}{4}$ miles NNW of Seneca, The Seneca (7 $\frac{1}{2}$ ') \square , Missouri. Collected until about 2:30 PM. Came back to Neosho through Weta & Racine.

July 13.

68-4 Visited roadside on branch of Jones Creek, SW corner of SE $\frac{1}{4}$ 34-28N-31W, NE of Fidelity. Here we saw *Margaritulus magnus*.

Went on to quarries at

(3)

68-5

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

68-6

Quarry on section line about 1/4 mile S of NE cor 18-25N-29W 2 1/4 miles ENE of Newtonia. About 10' massive granular limes followed by granular ls in thin beds with shaly partings 8-10' collecting poor.

July 14.

Left Neosho about 9:00 AM. Went S on US 71 to Anderson, then on Mo. 59 to Noel, and from there west to Vinita where we arrived about 12:30.

68-7

St. Joe limestone in long cut on Mo. 59, on N limit of North Noel, just one mile N of junction Mo 59 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 & texture but was harder and more compact and with few fossils.

(4)

68-8 Low, long hill on south side Frisco RR showing about 15'-20' of flakey, crumbly shale capped by thin bedded limestone. The latter disintegrates and sheds slabs and loose fossils over the surface. Locality in Fayetteville shale, NW $\frac{1}{4}$ 11-25 N-21 E, 8 miles E and 3 miles N of Vinita, Craig County, Oklahoma.

68-9 Small pit in SE cor SE $\frac{1}{4}$ 16-25 N-21 E, 5 miles E and one mile N of Vinita, one mile N of US 60, Craig Co., Oklahoma. Pit in irregularly slabby limestone with shaly seams that crumble and shed fossils. Called Hindsville in 1955.

July 15.

68-10 Vicinity of Vinita, Okla Fayetteville NE $\frac{1}{4}$ 11-25 N-21 E, 6 $\frac{1}{2}$ miles E and 2 $\frac{1}{2}$ miles N of Vinita, Craig County, Oklahoma Low bluff with washes in shaly Fayetteville. *Ornatia*, *Ornatites* common.

68-11 Small pit in about SE $\frac{1}{4}$ SW $\frac{1}{4}$ 16-25 N-21 E, Craig Co., Oklahoma. Fossils few. Some beds as 68-9 but fossil bed under water in the pit.

(5)

68-12 Road cut on Okla Hy 82, 1/4 mile south of junction with US 60, Mostly dark shale with thin band of ls about 5' up. Chonetes and Ornithotetes. Above the thin ls is more block shale 8' ± capped by about one foot of limestone containing Ornithotetes and Ornithotetes. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Sec 27-25N-21E.

68-13 Large pit in hard massive coarse calcarenite, white to light gray with sheet bands up to 8". Large Synsphyris and large productid seen. Fossils very scarce. Lithologically unlike Fayetteville and is probably an outlier of Boone.

68-14 SW cor. 32-25N-21E, About 3 mi E and 2 miles S of Vinita, A variety of limestones from a water-filled pit. Diaphragmus common. Lower Fayetteville.

July 16.

68-15 Spent entire day east of Adair at locality in NE $\frac{1}{4}$ T~~7~~ 22N-20E, $3\frac{1}{2}$ miles E and $2\frac{1}{4}$ miles south of Adair, Mayes County. Here a low hill has 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, 5 or 6' followed by another limestone. The top limestone abounds in Diaplatia. Collecting was just as good this day as when I was here with Bob Main in 1955.

July 17

68-16 Maclurda 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 $\frac{1}{4}$ ~~SE~~ $\frac{1}{4}$ 11-21N-21E not in section 12 as Maclurda gives it. The best description of the location is on Salina - Kenwood Road, 2.3 miles west of Kenwood, Salina Twp., Mayes County, Oklahoma.

July 18

Adair & Spavinaw

68-17

Locality with abundant *Hustedia*. 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 $\frac{1}{4}$ SE $\frac{1}{4}$ 31-23N-20E. Here are *Avonia*, *Hustedia* and *Reticularina* common. Mayes County.

68-18

See a small Butte $\frac{1}{4}$ mile E of 68-17, up Fayetteville, NE $\frac{1}{4}$ SE $\frac{1}{4}$ 31-23N-20E. Very poorly fossiliferous

Spavinaw

68-19

Warsaw chert on the east side ~~the~~ Oklahona by 20, 1.2 miles by road S of Spavinaw-Creek bridge and 2.3 miles S of the center of Spavinaw by road. The locality is on the steep hill rising from the river and is at about the crest of the hill. Probably SW $\frac{1}{4}$ 15-22N-21E although the sec, tp and R. are somewhat uncertain. Collecting not good but *Spirifer* of large size fairly common.

$5\frac{1}{2}$ line between secs. 15+16, on east side road (Hy 20).

July 19

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

68-20 Fayetteville (lower), about SE $\frac{1}{4}$ NW $\frac{1}{4}$
21-15N-20E, on Oklahoma Hwy 10,
just above base of hill ~~at~~ about
75' on big loop of hwy. up Braggs
Mtn., Muskogee Co., Hubert, Okla.

July 20.

68-21 Spent day along Oklahoma Hwy 10
Center N line SW $\frac{1}{4}$ NW $\frac{1}{4}$ 36-13N-20E
~~on~~ on branch of Cedar Creek one
mile NE of Cedar Creek School,
about 3 miles NW of Gore,
Webbers Falls \square , Oklahoma

68-22 Specimen in sandstone at bend
of road on top of hill overlooking
Greenleaf Lake on road about 0.2 mile
N of SW cor 11-13N-20E, about 0.6
mile SW of bridge over Greenleaf
Creek, Webbers Falls \square , Okla.

68-23 Upper Fayetteville, on Okla 10,
at south end big loop of hwy

About NW $\frac{1}{4}$ SW $\frac{1}{4}$ 21-15N-20E on
east side road in big cut,
Hubbert \square , Okla.

68-24 Moorefield ~~shale~~ formation,
Bluff & field above bluff, on west
side road on S side bridge
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 19-15N-20E,
Hubbert \square , Oklahoma, 0.6 mile
S of Okla Hy 10.

Shaly Moorefield with abundant
productids.

July 21.

68-25 Along branch of Bayou Manard in
Creek bed, NW $\frac{1}{4}$ NE $\frac{1}{4}$ 18-15N-21E,
One mile S of US 62, between
Crossland Hill and Red Berry Mtn.,
Cherokee Co., Oklahoma

68-25A - Bed with *Spirifer*
common.

68-25B - Bed with small
Ornatia - like productid

68-25C - Bed with *Leiorhynchus*

68-25D - Bed with abundant
Linoproductus

68-25E - Lower bed with Moorefieldella

68-25F Upper " " "

July 22

Qualls

68-26

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 $1\frac{1}{2}$ miles N and $1\frac{1}{2}$ miles east of Qualls, about 0.4 mile east of the SW corner sec 29-15N-22E. Collecting on south side of road. Listed as Hindsville but may be basal Fayetteville. Good egl with chert boulders in stream bed.

Possible Hayes collecting locality on NE side of big loop at center E line 29-15N-22E.

July 23.

Travelled from Muskogee to Sedalia. Took most of day.

July 24

68-27

Went to Sweeney Quarry which is 600 paces NE at ~~along~~ RR tracks at road crossing in SE cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$ 4-46N-19W, about 2 miles NE of Clifton City, Cooper County, Missouri

July 25

68-28

To Browns Station - Drove roads NW of station and saw several localities with good exposures but few fossils. Collected a few specimens in stream NW¹/₄ NE¹/₄ 29-50N-12W, 3¹/₂ miles NW of Browns Station, Sturgeon (15') □, Mo.

68-29

After collected in quarry ¹/₄ mile south of Easley, SW cor SW¹/₄ NE¹/₄ 3-46N-13W, Columbia □, Missouri. Just S of the quarry a road goes up to a second opening and mine in the limestone. Just at top of road we collected Chouteau fossils.

July 26.

68-30

Old U.S. 65^{co}, 5 miles N of Sedalia, Mo.

OK

3.9 miles N of junction with highway H.H.

68-31

Called Sedalia by Bowsher - loose fossils + fossils in chert, on each side of the road one mile E of the junction of Mo 52 and US 65, and 3 miles West of Cole

Camp, Mo, adjoining corners of
sections 28, 29, 32, 33 - 43N - 21W,
Benton County Missouri.

68-32 ~~To~~ Probably Kayinger Bluff
of Moore (Called Kisinger).
South end of bluff forming
a sharp point where overlook
of Kayinger Dam is located
Northwest of Warsaw, Benton
Co, Missouri.
Check topographic map.

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

July 27

Left Sedalia, arrived Pella, Ia
about 1:30 PM, Went S of Pella
and collected Pella beds from
68-34 old quarry on line between secs.
34 and 35 of 0.4 mile N of SE cor 34,
76 N - 18 W, about 4 miles
south of south side of Pella,
Iowa.

68-35 Large pit in Pella beds
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 22-76N-18W,
about 2 miles S of south
side of Pella, Iowa.

July 28

68-36 Sargeants Bros. Quarry, Perm
Lodore shale with *Feguliferina*
about 1 mile west Perm, Iowa.

68-37, 38, 39 Hy 92, just E of Middle River
2 miles E Stanzel, 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 of
Winterset, Madison Co., Iowa
DeKalb ls. *Fusulines*.

68-42 Bremen Sp., NE $\frac{1}{4}$ 27-
73N-38W, 1 mile NNW of
Stannett, Montgomery Co., Ia
Entelletes = 68-42

68-43 *Linoproductus* beds.

68-44 Rice-agate Hwy 48 about 2 1/2 miles N of Red 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 *Wallerella* beds

68-46 *Linoproductus* beds same as 68-45

68-47 Bed same loc as (45)

68-48 Jones Point, ^{E of} 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

68-50 Paint Creek, Columbia, Illinois. Presented by Amel Priest.

July 30

68-51 On Iowa 220, $\frac{1}{2}$ mile
West of Middle Amana, Iowa
Independence shale.
Middle Amana

68-52 Independence - By 2.1 miles
by road SE of Sellsburg, Ia
Picture taken

68-53 About 1.4 miles SE of Vinton
Go out 135th and follow pavement
By west of road. Pictures taken

68-54 Roadside $\frac{1}{4}$ mile S of Ia 283 on
Benton Co V-71, Benton Co. Hy V-71, $\frac{1}{2}$ mile E of E
end of Brandon, Ia.

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

July 31

By at Vinton

68-56

Leptinifer beds

68-57

Rensselaudia beds

68-58

Topmost beds.

August 1

Sent off 4 bundles from Independence. Left

Independence & visited with Furnish & Glenister at Iowa City, where we obtained some maps. Visited locality in Quasqueton. Solon member

68-59

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

August 2

68-60 Stars Cave, SE $\frac{1}{4}$ NW $\frac{1}{4}$ 19-70N-2W, 2 miles N of west end of Burlington, Des Moines County Iowa. Lowest beds collected are Prospect Hill siltstone = 68-60

68-61 Stars Cave Formation at Stars Cave

68-62 Wasonville Member at Stars Cave.

68-63 English River siltstone, Yellow
Spring Creek tributary, west of
center line sec. 34 to center sec
35 - 71N-2W, Des Moines Co,
Kingston □, Iowa.

68-64 Same locality as above but
Stans Cave formation (oolite)

68-65 Weaver Quarry, NE cor 26-
72N-2W, about 3 miles N of
Kingston, just SW of junction
of Iowa Hwy 99 and County Hwy X.
Cedar Fork Member of Burlington
across Dolbee Creek from cemetery.
August 3.

Check this
on Oakville
□

68-66 Kaser Quarry, SE $\frac{1}{4}$ 1, 71N-
4W, Des Moines Co., 2 $\frac{1}{2}$ miles
and 4 $\frac{1}{2}$ miles W of Mediaspolis, Ia.
Cedar Fork Member.

68-67 Wassonville Mem. of Hampton
Fm. Kaser Quarry as above
In afternoon returned to
Weaver Quarry.

August 4.

68-68 Old Qy SE $\frac{1}{4}$ SE $\frac{1}{4}$ 9-69 N-4W,
about 3 miles NW of Augusta,
on Skunk Creek Road. Keokuk

68-69 Ricks Qy, $\frac{1}{2}$ mile SE of Augusta,
Ia. SE $\frac{1}{4}$ NW $\frac{1}{4}$ 25-69 N-4W, Lee Co.,
Burlington, mostly Cedar Fork

August 5

68-70 Qy 0.8 mile N of Ely, Iowa

68-71 old Qy on west edge of Solon, Iowa

August 6.

68-72 Dundee Quarry $2\frac{1}{2}$ mi SW of Sylvania

68-73 Silica " " " "

Ohio.

Stopped at Quarry for $2\frac{1}{2}$ hrs.
Stayed overnight at Elyria

August 7

Elyria to home - reached at