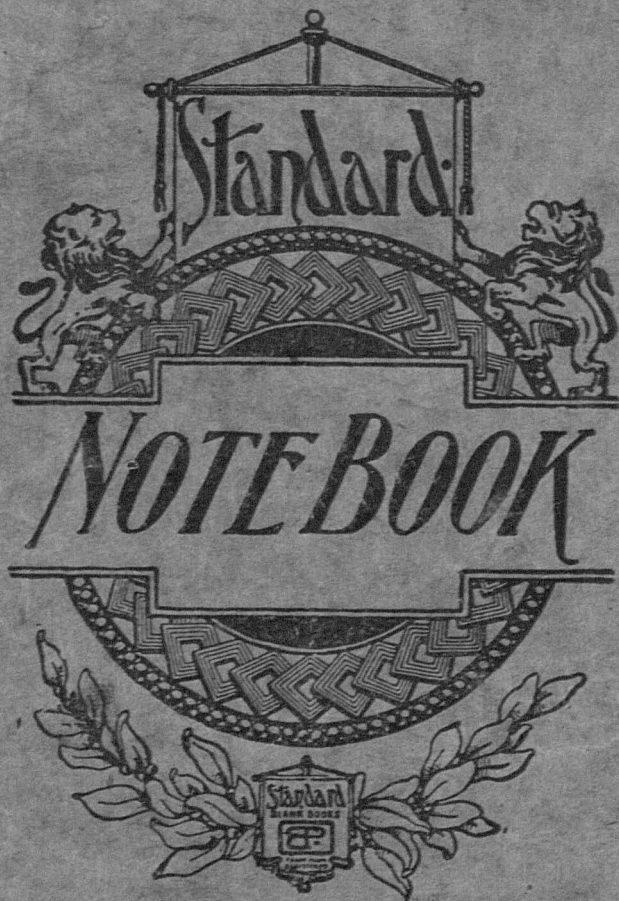


*Localities to be visited.*



60 LVS.

IFTSR is  
connect  
Station 2 is  
in Gunbarrel

Stat 3 is JW of  
Sixmile Reservoir

left hand creek  
runs below Hazbunkette

Eakker, Robert T. & Peter M. Galton 1974

Dinosaur Monophyly and a new class of vertebrates

Nature 248

Butters, nephew of Roy.

---

Sec. 30-31, Twp. 6 N., R 60 W.

Gearhart, N. of Orchard.

(Sec. 7, 6-60)

arrowheads etc.

*Sphaerium californicum*  
*Leptocryptum*



Grand River Valley - Tert. - bones.  
See photo by Harry F. Sovereign

~~Mountain creek, near Colored Springs  
Lucina - White.~~

Pueblo - Col. - 5 miles above.  
*Stenopneustes glacialis* abundant.

Silver Cliff, Col. - "Round Mt." - Around  
knob N. of road that runs through town  
E. & W. - Dry slope half way up.  
Type loc. *Pupa sapicola* Shill (presumptive)  
= *Pupoides inornatus* Vanatta  
See letter to Pilsbry May 8, 1920.

Wray, Col. - Bullard Ranch, 13 mi. S.E.  
Fossil bones

Brook, Col. - fossil bones. - see L.A. Austin  
real estate, west of Grass Sandhouse.  
1920 - May.

Fossil Ridge, N.E. of Gunnison, would  
probably yield Paleozoic fossils.

Baggs, Wyo. - Bluff

Wyoming.

Baggs, Wyo. -

Bluff 1 mi. N.W. & 300 ft. above town

Tert. f. - w. *Knollshia* - Bethel.

✓ 1 1/2 mi. S.W. of Baggs - same - *George & Butters*

50 " W. " " " " *Leggatt.*

Cowdrey Co., Wyo. - Lance creek

*Saccovoidia* - *Scirp's* coralscrew.

Rawlins, Wyo. - 28 mi. S. of Rawlins, on Dillon

Road - Frontier - corallite contact; *Pinguellus*

s. s. horizon (Upper Benton).

Very loose, sketch, foss. cat. No. 8400.

Tp. 21 N.R. 89, W. of Rawlins

~~Pueblo - 5 mi. above - Calc. Cret.~~

~~*Inoceramus*~~

~~Barnum, Johnson Co., Wyo. - ranch at foot of~~  
~~Big Horn Mts., E. side.~~

~~L. R. L. Condit - interested in birds.~~



Wyoming - continued

Alkali Creek, 5 mi. W. of Buck Spring, Wyo.  
(Big Horn Basin?). Wind River Eocene.  
*Glyptostoma? spatiosa* (W. & H.)

Laramie Plains - coal-bearing series  
List of fossils. <sup>Stanbury</sup> Knowlton, Bull. Geol.  
Soc. Amer., VIII, 1897, pp. 137-143.

Corn Ridge, Wyo.  
Jurassic orCRET. (= Morrison)  
Jurassic marine also there

Lance Creek - Converse Co.

Cyclone Ridge 40 mi. N.W. of Rawlins  
Wasatch Tert. - Gt. fine & abundant.

~~Hailey~~

~~Lander, Wyo. - S.W. of Lander on road to  
Hailey, 7 mi. N.W. of Hailey.  
Upper part of Frontier formation  
(Lower Triassic) - very fossiliferous.  
*Ostrea sauniois*, *Brassalibites* undescribed  
*Anomia*, *Leopistha*, *Turritella*, *Syracusa* etc.~~

Idaho shell loc.

2 mi. up middle fork John Day Break Canyon  
Idaho Co., Ida., woody talus slope below  
~~a~~ cliffs of white crystalline marble.

*Radiolites abietum*      *Pinitina ichneuse*

*Microphysula inersolli*      " *subruficola*

*Dicrus (Gonyodiscus) croceolitei*

"      " *marmoreus* n. sp.

*Polyzora mullani*, *P. ptychophora*

*Anguipira kochi*

*Archelid haydeni*

H. B. Baker, Kant.,  
XLV, 84, 1932

Idaho shell loc.

1 mi. S. of Stites, Ida., across road from  
Chief Joseph Monument, E. side S. fork  
Blaine River.

*Polygyrella polygyrella*

*Polygyra ptychophora*

~~and~~ " *nullain*

*Asakelia* sp.

*Anguispira minor* re. sp.

H. C. Baker, Nant.,

XLV, 82-85, 1934

Idaho get '  
*Radiolites abietum*

"on surface" of partly buried rocks at  
base of steep slope near mouth  
of E Fork of Weiser River Stevens  
Ranch, Adams Co., Idaho.

Idaho

~~Physa propinqua Trigon, Jordan Creek, S. W. Ida.~~  
~~type loc.~~

*Planorbis antrochus portagensis* Baker.

Sand Point, Bend d'Orville River

~~*ausculta mitchelliana idahoensis* Hemph.~~

~~Spokane River, above Port Falls, Ida~~

*Sphaerium striatum* Lam. Spokane River below Bend d'Orville

✓ *Flummicola columbiana* (Hemph.), Weiser, in Snake River

" *minutissima* Pils.

Price Valley, Weiser Canyon, <sup>type</sup> loc.

*Lymnaea* ~~stygia~~ *lepidus* Gld. & Hallis, Ida. (Probably erroneous)

~~Lycium~~ Idaho

*Lycium auricularia* L.

- " *apicina* Sobolev. Probably erroneous
- " *binneyi* Tryon. Birch Creek; Sawtooth Lake, Blaine Co.
- " *hinkleyi* Baker. N. Fork Snake River, Fremont Co., type loc.
- " *idahoensis* Henderson. Little Salmon River " "
- " *fragilis* Hald. (some form of *palustre*), Challis, Ida.
- " *modicella* Loea Big Payette Lake Id.  
see for this lake Baker, Naud., XVIII, 127, 1905

Idaho.

Snake River Canyon, 8 mi. below mouth of  
Salmon River. On limestone.

*Oreohelix idahoensis baileyi* Postels.

S. E. Idaho, 65 mi. N. of Utah line, 8 mi.  
W. of Twp. line, & 5 mi. W. of John  
Gray's Lake; also 15 mi. E. & a  
little S. of Loc. 1, on syncline;  
also 15 mi. due West of Loc. 1.  
Triassic marine fossils.

Hayden Survey, 12<sup>th</sup> Ann. Rept.

Pt. 1, 1878, pp. 105 -

Bull. 5, pp. 103 - 117.

Spokane River, above Post Falls, Ida. type loc.

*Quodonta nuttalliana idahoensis* Hemphill

Jordan Creek S. W. Ida., type loc. *Physa propinqua*<sup>7, 1894</sup>

Bottomwood Creek Canyon, along Snake River 50 mi.

S. of Lewiston, *Polygyra populi* & *P. solida* Vanatta

Hot Springs (Kawosh) Mts., Nev., later in Ida. Mack's &

Idaho Terr. Moll. shell pit, near Glenn Ferry - also mouth King Creek

*Lithoglyphus campbelli* Dall  
Cattle Creek, Owyhee Co. Idaho material from Prof.  
F. A. Thompson, Idaho School of Mines, collected by  
W. H. Campbell.

Idaho continued

Fossils

Guadalupe Point - see under New Mexico  
White Bird. *Oriskany castaneus* of  
Hampill collection = *O. jugalis*  
albanis Pils. & Fer., Miss.

Rathdrum <sup>subcinereus</sup>  
*Oriskany jugalis*, *picta*, etc.

Shelburne and near Lewis Ferry, Idaho  
formation. Russell, Bull. 199, p. 156, 1902.

*Lithasia antiqua* Sahl. *Goniatites Taylori* Saff.  
*Corbicula idahoensis* Wash. *Rhynchonella* sp.  
*Amnicola elongigera* Sld. *Acadonta* sp.  
*Laricifex* sp.

Salmon River. - *Oriskany*

Lewiston - *Laryx laucides*

Old Mission-type loc. *Pisidium idahoense*

Paris - fossil ledge in hollow S.W. of -

& fishes in fine slate half mi. up on

Paris Canyon. C. H. Hayward

Castle Creek, Owyhee Co. - Rathdrum fauna.



~~New~~

New Mexico.

Carlsbad, N. Mex.

J. T. Duce says for Delaware formation  
Permian, drive 60 miles S. W. over  
fair road to Pine Spring Canyon,  
Guadalupe Point, Texas.

Good water and wood, & central  
to Guadalupe country.

Hot Springs Canyon, N. Mex.

Good loc. for *Magdalenia Pennsylvanica*  
fossils, according to Duce.

Alamo Canyon, Alamogordo, N. Mex.

*Magdalenia Pennsylvanica* fossils - Duce

Penasco River, Sec. 8, T. 17 N., R. 19 E., N. bank  
of river near crest of ridge

Middle San Andres (Upper Mansano)

Pennsylvanian

Cherts containing *Orthoceras*, *Lepta* &  
Pebbles. Very dense

New Mexico - Continued

Rio Feliz, about 2 mi. from Feliz P.O.,  
on road to Elk, where, after following  
River, road swings over divide, gray  
L. San Andreas l.s., at crest of spur  
S. of road.

Fine coiled cephalopods, etc.

Blondcroft - *Productus mepicans*, etc.,  
abundant

Pecos River, above Pecos. Early Pennsylvanian <sup>fossil</sup>  
list on p. 158, U.S. G.S., Bull. 381-C.

Wyoming - Continued.

Barrel Spring, Muddy Creek (Divide between  
Muddy Creek & Muddy River, S.W. Wyo.)  
*Unio tellinoides* (Hall).

Table ~~of~~ Wyo. - Tert. + cret.  
separation, Wyo.

Knight - ~~Buff N. of~~  
✓ *Goniatitic Tenara cartari*

Hallville - 2 mi. N. of  
*Ostrea globosa arcuaticus*

Sage - ~~W. of~~ S. of, head of Bridger Creek  
*Goniatitic Tenara nodulifera*

Point of Rocks - 1 mi. S. of.

Jelm Mt., S.W. of Laramie, Wyo.  
upper chugwater, above unconformity,  
= Dolores Trisovic, zone bearing *Conglomerata*,  
near E. base of Jelm Mt.

Wyoming - continued

Black Butte - 8 mi. S. of. - Eocene +  
Cret

~~Black Butte - Cret.~~

~~P.T. of Rocks~~

~~Newcastle, Wyo. - 11 to 12 mi. due West of.~~

~~✓ Pierre fossils abundant & fine.~~

~~collected June, 1933~~

~~Cumberland + 1 mi. E. of, on N. bank of Little~~

~~Muddy; and bluffs 4-5 mi. E. of.~~

~~✓ Type loc. *Goniatites tenera nasutifera*~~

~~also Hall's "Jurassic" Plants~~

~~*E. vauxi* - along river near - Eocene~~

~~Church Knob~~

~~Henry's Fork - Eocene~~

~~Hertig's, etc.~~

Alkali - 20 mi. N. of Green River city

*Uroshoshonensis* (White)

Washburn Station

*Unio*

Haystack Mts. (Big Horn Valley) =

*Unio Graingeri* b. l. l.

~~Salmon~~ Puttas (Henry's Fork?)

Harris Fork, N.E. of Fort Bridger

Stone Creek, 2 mi. N. of Sulphur Creek

~~Bitter~~ Creek

Big Horn Basin - Eocene

1 mi. S. of St. Joe

3 mi. E., 3 mi. S.E., & 5 mi. S.E. of mouth of  
Pat O'Hara Creek

Big Sand Coulee

Clark's Fork Basin

Dorsey Creek, 9 mi. from St. Joe

3 mi. N. of Ralston

Wyoming - continued

~~Waterfall 1 mi. E. of~~

~~Bear River Cret.: sec. 29, T. 21, N. R. 115~~

~~1 mi. E. of Waterfall, Harris Fork <sup>Oregon short</sup> line~~

~~✓ Shell Hollow, 7 mi. N. of Evanston~~

~~sec. 7, T. 16, N., R. 120 W.~~

~~" 12 " 16 " " 121 "~~

~~Spring Valley, Lincoln Co.~~

~~✓ 20 mi. N. of Cokeville (Oregon short line~~

~~12 " S. of Willow Creek~~

~~✓ Sage (Shell Hollow?) <sup>sec. 7, T. 21, N.,</sup>  
<sub>R. 116 W.</sub>~~

~~Bear River, 3 mi. from Soda Springs  
(Is this Idaho?)~~

~~✓ Mouth Sulphur Creek (important).~~

~~Le Roy, Lincoln Co.~~

~~Mellis Station~~

~~✓ Fossil cft. just W. of Old Bear River city~~

Evanston Eocene? Plants + mollusks

Alma " shells

Bridger (Ft.) <sup>greenish</sup> Upper Eocene, volcanic ash,  
with white calcareous bands filled with  
shells + some mammal remains.

Hilliard - S.E. of Evanston

✓ Hilliard formation - *Fucosaurus egyptoides* abundant

✓ Aspen " *Ammonoites* & abundant fish scales

Rock Cut, S.E. of Hilliard - 9 spp.

10 mi. W. of Rawlins, many spp. J.W. Joss, coll.

Robin & Beards, Prof. Pope 158-B, 1929, p. 21

13 mi. W. of Newcastle Fox Hills spp. " " " p. 19

to Frontier and Cyster Ridge bet. U.S. & Ore. Short line

✓ Frontier crest (= Benton)

Numerous large *Astrea solensis*

Near Kemmerer - *A. ovaliformis* & *Fucosaurus fragilis*

Adaville & Hedges Pass Tunnel - Ore. Short line

Abundant fine fossil plants at Tunnel

✓ Invertebrates at Adaville.

Fossil and Nugget - Ore. Short line

Thayer Perm. Carb. - mostly *Pelec.*, some

*Brach.* & *Pentacrinus*

Jurassic - *Pelec.* & *Pentacrinus asteriscus*

Fossil - Tert. - 19 spp. fish, 14 spp. plants

Rock creek W. of fossil, white l.s. caps hill

just W. of Porter Ranch - J.W. shells.

~~Dr. Wendell C. Gregg, Boulder, Wyo. (collected).~~

Wyoming - continued

Maverick Springs, Fremont Co., Wyo.

Many beds fish scales abundant.

a few marine shells undescribed  
Sundance formation - many beds of  
marine fossils.

Fruitier formation very fossiliferous, <sup>horizon</sup> on  
N.W. flank of Big Dome, + an oyster  
bed 50 ft. above.

U.S.G.S., Bull. 711-H, 1920, p. 159.

~~Newcastle, N.E. Wyo. - 10-12 mi. N.~~

~~Pierré Cr. very fossiliferous  
Dunn, Rennie & Myers.~~

~~(near Mannville)~~

~~Lost Springs, Wyo., N.W. of Lusk & Mannville.~~

~~✓ Vertebrate & invertebrate fossils~~

~~says Daniels of Douglas, Wyo.~~

Laperelle Dam, 15 mi. W. of Douglas, Wyo.  
Invertebrate fossils, fine - Daniels.



# Colorado.

Fossil Ridge - Paleozoic  
Summit region

Fairplay - Permian Insects

Proc. Ac. N. S. Phila., 1855, pp. 38, etc.

Mem. Bot. Soc. N. H., IV, 1890, p. 465, etc.

Proc. U. S. N. M., XXIX, 61-820 (Revisions of  
Amer. Paleog. Insects).

Orchard, Colo. - 15 mi. N. - Laramie cret.  
Stanton says it is in "Coalbank Str.".

~~Narrow~~ (W. of Ft. Morgan, Colo.

✓ 3 1/2 mi. East. - *Lucina clburii*

Leadville, Colo. - Horsehoe Gulch Park Co.

Pennsylvanian - upper fossiliferous shale  
near forks of creek - probably Weber  
formation. *Marginifera ingrata* "in  
great abundance", mostly casts. (Girty)

Colorado.

Agate, E. Col.

about 5 mi. E., where road winds through  
badlands, s. of road in draw near  
agap (about 200 ft. W. of gap head  
of drainage starts)

Fine Fox Hills fossils

Wesley & Younkman

Narrows of S. Platte, 50 mi. E. of Greeley.

Solenya bilox White, "50 well-preserved  
specimens" in U. S. Nat. Mus.

<sup>1 1/2</sup> east - Lusina cleburni White  
Adler - W. of Mr. Cooley, bank cashier,  
knows where fossils are.

A. B. Cross, Extension Division

S. W. of Spanish Peaks, 43 Pennsylvanian spp.

Darton, U.S.G.S. Prof. Paper 52, p. 18

Trout Creek, Manitou Park - Ordovician

~~Deadman Creek, 1/2 mi. S. of Perry Park~~

~~Ord. cherty ls. layers with red clay layers,  
on bank quartzite.~~

~~Dalmanella testudinaria.~~

## Montana

Helena, Mont. - Letter from Tieje - Oct., 1922

Park (Middle Cambrian)

Dark siliceous slaty shale on W. side  
Griggly Gulch, both N. & S. of lime-hill  
quarry. Dry Creek shales on E. side  
of gulch non-fossiliferous.

"Fossils in countless numbers" mostly  
*Westonia* etc., *Lingulella* sp., *Hyalithea*?,  
*Hyalithalpa*, a trilobite (*Alalustocara*?),  
*Ptychoparia* (*similis*?) 10 minutes walk  
S. of town.

Petrified forest.

Indian Boulder, 3 mi. S.W. of Savage,  
Mont. bet. Glendive, Mont. and  
Williston, N. Dak.

Visited in 1932 - conventional  
did not find the concrete

*Pisidium limpidum* Steyer

Type loc. Elk Creek, S. of Offord  
Station, Meagher Co., Mont.

Wyoming

~~Near Lusk, Wyo. (N.W. of), on  
Little Lightning Creek, T<sub>p.</sub> 35 & 36, R.~~

~~65-66~~

~~Frise Pierre & Fox Hills~~

~~Fox Hills or Lance fossils, thick bed.~~

~~secs. 1-2-11-12-14, 3-24, T. 40 N. R.~~

~~62 W. Fine chance for material  
a little N. of W. from Milk Creek.~~

~~Fox Hills or Upper Pierre.~~

~~Sec. 7, T. 36, N. R. 62 W. with~~

~~*Lucasium baronii* & *Lucasium*~~

~~Newcastle - 9 mi. W.~~

~~Greenhorn l. s. with *D. labiatus*~~

Fremont Co., Big Sand Draw, N. side, just  
above Mesaverde-Wind River contact.

Wind River formation; fossil plants  
numerous - 7 species.

U.S.G.S., Bull. 711-E, p. 78, 1920

Wyoming.

Point of Rocks, type loc. <sup>Arnoia</sup> ~~Arnoia~~ ~~stysch~~  
Gryphobrychura, 2 mi W.

Barrel Spring - divide bet. Muddy Creek &  
Muddy River, S. W. Wyo. *Uris tellinoides*, etc.

Maverick Springs, Fremont Co., Sundance Form.,  
many fossil beds.  
Frontier crest, flank of Big Dome, very  
fossiliferous.

Bydow Ridge, 40 mi. N. W. of Rawlins.  
- Wasatch Escarp. Gastropods fine &  
abundant

Lafayette Dam, 15 mi. W. of Douglas.  
Sweet. fossils fine.

Little Lightning Creek, N. W. of Lusk.  
Pierce & Fox Hills fine.

Glenrock, Wyo.

Many fossils used to fill low place  
on Standard Oil property

Supt. J. W. Shamberlin

segmented specimens roughly resembling  
fishes just N. of Burlington depot at  
Glenrock each segment weighing  
several hundred pounds.

Mrs. A. E. McCallan (Rosamund Patten)  
820 E. H. St., Casper, Wyo. (Oct., 1925)

Millburn, Wyo.

A. A. Davidson sells Eocene mammals  
& Jura(?) dinosaurs

~~Sh~~

~~Shawnee, Wyo., bet. Douglas & Lusk  
4 mi. due S. - Mississippian fossils  
NO~~

~~Buck Creek, N. of Hat Creek P.O., Wyo.  
bet. cephalopods.~~

~~Take road leading S.W. of "ant hills" (teepee  
butte) to Turner Creek (12 mi. W. of Neb.  
line), go over top of <sup>1st</sup> divide 1/2 mi., fossils  
in breaks of Buck Creek along and S. of  
road.~~

~~D. F. Higgins.~~

Wyoming

Albany Co. - E. side "7 mi. Creek", N.E. 1/4 sec. 16,  
T. 17 N. R. 47 W. - Pierre Cr. :  
about 25 mi. N. of W. from Laramie.

~~Nebraska Co. 5 mi. W. & N.W. of Mule Creek oil  
field (see T. 40 R. 62 W.)~~

~~Devils Tower, N.E. 1/4, N. of Moorcroft.~~

~~Newcastle - Pierre 6 to 7 mi. W., S.W. & N.W.  
10 mi. N.~~

~~Repton 2 mi. W.~~

Converse Co. - Louse Creek - Dacmouely

Osage - Pierre & Fox Hills 7 mi. S.W.

Big Horn Basin

Alkali Creek, 5 mi. W. of Buck Spring.

Wind River Escarpment - *Glyptostoma? patuxa*

(see farther on)

South Dakota.

Cycad Natl. Monument, W. of Hot Springs, N. of Edgemont. see Supt. Anton J. Snyder, of Hot Springs.

Wind Cave Natl. Monument, near Cycad.

Edgemont fossil locality.

Go north to end of Main Street, turn to left, follow main road, mostly west, keeping to left, until across Cheyenne River. Escarpment below crossing fine locality for Greenhorn fossils.

Piedmont, N.E. side of Black Hills, 3 or 4 mi. N. Numerous "pinhead Ostracods", *Cypris?* sp., in upper 10 or 12 feet Morrison shale and lowest Lakota.

Cycad Hill and Cycad Valley, Meade Co., N.E. side Black Hills.

*Araucarioxylon* wood with cycad trunks in upper horizon ss. forming Goblin Arch at head of Cycad Valley.



## South Dakota

Edgemont, S. D. - Go N. to end of  
~~Main~~ Main st, turn to left,  
follow main road, mostly W.,  
keeping to left, until cross the  
Cheyenne River - Escarpment below  
crossing - fine locality for fossils.  
Greenhorn l.s.

Piedmont, N. E. side Black Hills.

3 or 4 mi. N. - Upper 10-12 ft.  
Morrison shale + lowest Dakota,  
numerous "pinhead" ostracods,  
Bygonia? sp.

Central Black Hills Folio, No. 219, p. 12  
Bygonia Hill, S. end Bygonia Valley, Meade  
Co., Archaeanophyllo wood  
with cycad trunks.  
Upper ss. forming Goblin Arch at  
head of Bygonia Valley.

## Wyoming

Standing Stone forests, Sci. Amer, 1926, pp. 98-99.

### Big Horn Basin (don Walker)

N.W. of Woodland - largest gulch seen from town.  
From beginning of badlands on, teeth & bones  
in great variety on nearly every badland  
down. Large bones 4 mi. W. & 1/4 to  
1 mi. S. (see also below)

S.W. of shell. Bones on slope of highest  
badland ~~to~~ hill visible from shell,  
2 or 3 mi. S.W.

Bonanza - E. slope of hill 12 mi. E. & 1/2 mi.  
N. of Bonanza

shale hills S. of Bonanza, Hornwood Creek.

*Ballista Stearnsi* perfect

6 mi. E., 4 mi. N. of Bonanza, "Carlands"  
of *Belemnitae*, Oysters near by.

Woodland. Bone lane, Ten Mile creek, 10-15  
mi. W. or N.W. of Woodland, up creek to  
fork, just past fork on W. (not N.W.)  
branch, then 3/4 mi. S.W. - bones

& teeth common.

10-15 mi. creek badlands, bones & teeth abundant

6 mi. ~~S.E.~~ 1 mi. N. of Worland. Big bones in bank E. side of cedar-covered foothills

Hyattville, Alkali Creek region - Big Horn Basin  
Gryphaea, Baculites & wrinkled oysters abundant.

S. E. of Sheridan

Williams Ranch, about 15 mi. W. of U. Cross on Sheridan Road.

Many fossils. Mrs. Williams & "the boys" can tell where to find them

Dr. G. H. Buffum, Sheridan, Wyo.  
Big *Thripes* *reynoldsi*

Big Horn Canyon. Type loc. *Oros. magnicornis*  
shell break, visit for *Arnold's* *pygmaea*  
Raymond N. W. of shell. " " "

## Oregon

Near Burns, Ore. - Donovan Ranch.

*Jurassic fossils* - Mrs. Carices

*Bret. cephalopod* - near Mitchell Ore.

2 mi. W. of Mitchell on main highway  
to Eugene (leave John Day highway  
at John Day) opposite Black Butte  
also buttes on N. side of road.

also about duplex, 100 mi. S. of Mitchell

John Day Miocene - New species

bove Inlet, John Day River

Hance, Univ. Kansas Sci. Bull., XIII, 3-12, <sup>1940.</sup>

Post Oxford - coal mine

*Goniobasis klamathensis*

*orbula evansi* Shumard

Pittsburg Bluff, Columbia Co.

type loc. of *Acila shumardi* Dall

Harper & near Terrebonne

*Dictyonoceras obposita* - different

Dall. Geol. Soc. Amer., XI, 167, 1929.

Oregon

Warner's Lake, E. Ore. ~~Blair~~, & ~~Blair~~.

Naum, Minn. Geol. Pub., I, No. 6, 1920.

Vale, Ore. - Cow Hollow, 4 mi. N.W. of  
Double Mt., 20 mi. S.W. of Vale,  
Walker Malheur Co.

Barinifox, etc., Pliocene, C. F. Miller  
Sand Hollow, 16 mi. S.W. of Vale,  
Pliocene fauna. Henderson & Miller

Klamath Lake Region

Fossils noted on Rand & McKally  
map, E. of Shahi Peak, S.W. of  
Klamath Falls, near ~~center~~ middle  
of E. line of T<sub>p.</sub> 40 S, R. 11 E, and  
S.W. <sup>1/4</sup> T. 40, R. 12, 6 to 10 mi. N. of  
Calif. line.

Washington

Lake Vancouver, Clark Co.

*Synurus lepida* type loc.

Is it young *jugularis*?

Eocene - from Bishop Pass, boundary of  
Lewis & Yakima Counties westward

Non marine Eocene

see Weaver, Tert. faunal horizons of  
W. Wash., U. Wash. Pub., I, No. 1.

North Dakota

at or near Medora, on Little Missouri  
River sta. on N. P. R. R., Billings Co.

*Vertigo arthuri* & other spp.

Man beach, XXV, 122

Utah.

~~Clinton's base, 1/2 mi. from hotel at  
Lake Point, type loc. *Z. subrupicola*  
var *spelaea* Dall~~

~~shore salt lake near Farmington, bet.  
L. Liberty & Ogden - shells.~~

Basinville Dist.

2 mi. N. + 3/4 mi E. of Upton, 10 mi. E.  
of Basinville. 8-12 ft. bed of oysters.  
see Mr. Jacobson at Upton

letter from Rex Clayton, Jan. 3, 1928.

S. W. Utah

Coufession Range, 25 mi. from Nevada  
line, Millard Co., Utah.

Ordovician fossils abundant.

Antelope Spring, E. side of House Range,  
N. W. of Sevier Lake, Millard Co.

Cambrian fossils abundant.

~~Windows, Grand Co., Utah, 2 areas  
made National Monument 1929.~~

~~Science, LXIX, 493, 1929.~~



Near Moab.

In edge of Grand Co., beside cliff at  
W. edge Ditchett Valley, visited by  
Cummings, with Dr. John Williams, of  
Moab, bridge 62 ft. high, 142 ft. long  
49 ft. span

Coalville or Upton

*Astraea coalvillensis* White

2 mi. N. +  $3/4$  mi. E. of Upton,  
immense bed of oysters

R. Clayton, Coalville, W. Va.

# Colorado

Purcell, on U. P. Ry. -  $\frac{3}{4}$  mi. <sup>E. and then  $\frac{1}{2}$  mi.</sup> N. up  
creek. *Campeloma* - *Fish*

Ward Reed & C. B. Grosbeck

Biggsdale. *Campeloma*, N. W. of

Juleside, 1 mi. S. in cut where road  
runs to quarry, on right side,  
~~50 to~~ 30-40 ft. above bottom of  
gulch, at top of lower l. s.  
Bellerophon. Ross Heaton

E. of Prowse Butte, Vertebrates

Henry Hillman ranch can tell where,  
 $\frac{3}{4}$  mi. E. + N. on hillside

Harvey Wankman

Mantrose - Gunnison

fossil

"Beautifully preserved" fish with  
iridescent colors, in slide near Cold  
Hill Camp, W. side Little ~~to~~ Cimarron  
bet. Gunnison & Mantrose - Graneros shales.

Harold J. Cook, Science, LXXI, 68, 1930

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

Blackfoot, Idaho,  
September 15, 1930.

Harold W. Tucker,  
Caldwell,  
Idaho.

Dear Sir:

We think possibly the Hot Springs mountains about which you inquire may be located about 15 to 20 miles north-east of Winnemucka, Nev., that is, a large map in the office locates Hot Springs mountains there, otherwise we know nothing about any such range. You might be able to get more detailed information by inquiring of the postmaster or some one at Winnemucka.

Very truly yours,

*Theodore Peterson*

Acting Register.

les

Dinosaur tracks are found on  
the ranch of Mr. Farmer who lives  
15 miles northwest of Junction,  
Kimble County, Texas. Age of  
formation of Lower Edwards L.

C. L. Mohr  
San Angelo, Texas