

EDUCATIONAL EXTENSION
DIVISION
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GEOLOGICAL FIELD TRIP

Illinois State Academy of Science
May 3, 1947

Sponsored by the State Geological Survey
M. M. Leighton, Chief
Gilbert H. Cady, Leader

(Bring a packed lunch)
(Meet at first stop at 9:30)

Downtown Peoria.

SW on Jefferson Street to junction with Route 116, about one-half mile.

Turn W on Route 116 for 2.8 miles to west end of the bridge across Kickapoo Creek and railroads.

Make sharp turn to left down hill and north under bridge just crossed. Park.

STOP 1. Exposure of Carbondale beds including Harrisburg No. 5 coal bed.

Continue north about .7 mile. Continue about 1/3 mile north and turn cars around headed south. Park.

STOP 2. Exposure of Carbondale and lower McLeansboro beds. Top No. 5 to Herrin (Brereton) limestone.

Drive south to Route 116 at west end of bridge and continue west about 0.9 mile. Park headed west on south side of highway.

STOP 3. Exposure of beds in upper part of Carbondale and lower part of McLeansboro groups including coal No. 6 along stream bed.

Continue west on Route 116 about 7 miles to black top road running north at extreme west edge Hanna City.

Turn north and continue $1\frac{1}{2}$ miles to deep ravine. Unload passengers. Drivers park cars headed south at top of hill north of bridge.

STOP 4. Study of section of the lower part of the McLeansboro group from just below No. 8 coal bed to just above No. 6 coal bed in a distance along the ravine of about 1 mile.

Portion of the Pennsylvanian to be seen on trip:

Trivoli cyclothem
Trivoli sandstone

Exline cyclothem
Unnamed shale
Exline limestone (fossil stump)
Exline coal

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Gimlet cyclothem
Lonsdale limestone
Unnamed shale (often variegated)
Unnamed sandstone

Unnamed cyclothem
Unnamed shale
Unnamed limestone
Unnamed coal bed
Unnamed underclay
Unnamed sandstone

Sparland cyclothem
Farmington shale
Sparland (No. 7) coal bed
Unnamed underclay (often variegated)
Copperas Creek sandstone

Brereton cyclothem
Unnamed shale
Herrin (Brereton) limestone
Unnamed shale
Herrin (Brereton) (No. 6) coal bed
Unnamed underclay
Unnamed fresh water limestone
Vermilionville (Cuba) sandstone containing allochthonous coal bed

St. David cyclothem
Canton shale
St. David limestone
Unnamed black shale
Harrisburg (No. 5) coal
Unnamed underclay

Summum cyclothem
Streak carbonaceous matter (Summum No. 4 coal)
Unnamed underclay with limestone pebbles
Pleasantview sandstone

In the section observed, Stop 4, the Lonsdale limestone will be observed at the position indicated but at various other positions down almost to the base of the Copperas Creek sandstone. The unnamed cyclothem has only a very local occurrence.