

## DISCLAIMER

**Before visiting any of the sites described in the New England Intercollegiate Geological Conference guidebooks, you must obtain permission from the current landowners.**

Landowners only granted permission to visit these sites to the organizers of the original trips for the designated dates of the conference. It is your responsibility to obtain permission for your visit. Be aware that this permission may not be granted.

Especially when using older guidebooks in this collection, note that locations may have changed drastically. Likewise, geological interpretations may differ from current understandings.

Please respect any trip stops designated as “no hammers”, “no collecting” or the like.

Consider possible hazards and use appropriate caution and safety equipment.

NEIGC and the hosts of these online guidebooks are not responsible for the use or misuse of the guidebooks.

The 16th Annual New England Intercollegiate Geological Excursion.

Dates.- Friday and Saturday, Oct. 8th and 9th, 1920

Locality.- Vicinity of Middletown, Connecticut.

Excursions.- Two are offered.

- A. Friday afternoon the party will visit the Strickland Pegmatite Quarry, Collins Hill, Portland.

The main object will be to study the pegmatite dikes, their minerals, and their relation to the Bolton schist. This quarry has produced a greater variety of interesting minerals in recent years than any other in the vicinity. Incidentally the party will see the interglacial course of the Connecticut river, with its terraces and kettle holes, and will study the igneous gneisses associated with the Bolton schist.

Take Portland trolley leaving South Green, Middletown, at 2:15, P.M.. It passes the Arrigoni Hotel a few minutes later.

- B. Saturday the party will study the fault line between the Lamentation Mountain and Hanging Hills blocks. The Middletown and Meriden topographic maps will be desirable. They may be obtained at the Wesleyan Store.

Autotrucks will leave Middletown Postoffice at 9 A. M. They will stop at the Arrigoni Hotel and will also stop at Westfield for guests coming from Meriden or Berlin.

At East Berlin the posterior trap ridge of the Lamentation Mountain block is cut off by the great fault. The great fault is here complicated by a number of step faults and cross faults. The party will leave the carriages near this village and walk across country observing striking illustrations of cross faults and drag dips.

At the falls of Spruce Brook at the northern end of Lamentation mountain the walk ends, and lunch will be taken. The great fault cuts the main trap sheet near this locality. Here is found the best example of the conglomerate overlying the main sheet and containing pebbles of the underlying trap, thus establishing the contemporaneous character of the main sheet.

After lunch the carriages will be taken again and the party will go around the northern end of Lamentation mountain. The road passes near the northern margin of a sandplain with a fine exhibition of kames to the north.

Turning southward the road passes around the north end of the anterior ridge where it is cut off by the great fault. At two localities pillow structure in the anterior trap will be studied. Pillow structure occurs frequently in the anterior sheet, but has not been observed in the main or the posterior sheet. Continuing southward, the "Ash Bed" will be visited. Professor Davis called attention to this locality many years ago.

Turning westward the party will cross to the western side of the main line of the railroad and study the Lane trap quarry. This quarry is opened in the most easterly block of the Hanging Hills, and marks the northwestern side of the great fault zone. In an abandoned portion of the quarry there is a pahoehoe surface of lava overlain by a denser flow, showing that at least locally the main sheet was not a single flow. Small faults connected with the main fault are frequent in the quarry.

The carriages will then take the party to the railroad station at Meriden, where the excursion will end.

The excursion will take place rain or shine.

**Friday Evening:-**

Professor W. M. Davis of Harvard, whose classic work on the structure of the Connecticut Triassic formation is well known, will give a brief talk on the general geology of the area Friday evening at 8 o'clock in the Scott Memorial Laboratory. Afterward Professor W. N. Rice will speak of some details of the Saturday excursion, and Professor W. G. Foye will exhibit a collection of minerals from the pegmatite dikes in the vicinity of Middletown.

**Trains:-**

Middletown may be reached from Boston via Willimantic, changing cars at Willimantic; or via Springfield, changing at Berlin, Connecticut. Those persons who wish to come to Westfield, Connecticut, Saturday morning, may leave New Haven at 7:54 A. M. or leave Springfield at 7:50 A. M., connecting with the Berlin-Middletown branch, leaving Berlin at 8:59, and arriving at Westfield at 9:15 A. M.

**Meals:- Friday.**

Lunch at Arrigoni Hotel at 1:30 P. M.

Buffet lunch at Fisk Hall, by invitation of Wesleyan University, at 7:00 P. M.

**Saturday.**

Breakfast at the hotels.

Lunch:- Each guest should order a lunch, Friday evening, at the hotel at which he stays.

**Hotels:-**

Chafee House, Middletown. Lodging and Breakfast, \$2.25.

Arrigoni Hotel, Middletown. Meals a la carte.

Rooms for one person	Rooms for two persons
\$1.50	\$2.50
\$2.00	\$3.50
\$2.25	\$4.00
\$3.00	\$5.00

Winthrop Hotel, Meriden. Meals a la carte.

Rooms for one person	Rooms for two persons
\$1.50 and up	\$2.50 and up

We will engage rooms for those making application before Thursday night, Oct. 7th. In view of the limited accommodations at Middletown, the problem of entertainment will be simplified if a considerable number of the party are willing to be placed two in a room.

Any who stay at Meriden overnight will be able to take the 9:10 A. M. trolley from Meriden station, arriving at Westfield at 9:35 A. M.

All times stated in this circular are daylight-saving time.