Contact: A. S. Warthin Jr.

6th Annual Meeting
New York State Geological Association

at

Union College, Schenectady, New York, May 15-16-17, 1930

General Program Scheduled on Daylight-saving Time

Thursday night, May 15, Arrival at Schenectady. General get-together and registration beginning at 7:30 P.M. in the rooms of the Department of Geology, Union College.
Friday morning, May 16, Start of all-day field trip from the Union College Campus at 8:30 A.M. sharp! See schedule below. Return to Schenectady in time for the Annual Meeting and Dinner at 7 P.M. at the Mohawk Golf Club.
Saturday morning, May 17, Start of all-day field trip from the Union College Campus at 8:30 A.M. sharp! See schedule below. Return through the city of Albany where the State Museum will be visited at 7:30 P.M.

Friday, May 16

Leave Campus at 8:30 A.M.-
Stop 1. Schenectady Reservoir. General explanation of topographic features, Cretaceous peneplain, Taconic folding, zone of over-thrusting, glacial geology.
Stop 2. Schenectady beds and post-glacial gorge of the Mohawk River.
Stop 3. Ballston Lake depression. Before the Mohawk established its present course through the gorge, a channel existed, through which the waters passed north and discharged thence into the Hudson through both Saratoga Lake and Round Lake; see Schenectady Quadrangle. Ballston Lake now occupies the portions of the Ballston Channel.
Stop 4. Lester Park, Cryptozoön ledge, Hoyt (upper Cambrian) limestone.
Stop 5. Theresa beds, sandy dolomite and sandstones stratigraphically just below the Hoyt. Between Stops 5 and 6, we pass over the Potsdam, concealed by glacial drift.
Stop 6. Grenville series and basic dike.
Stop 7. High Rock Springs and Saratoga Fault. Upthrow to the west, Little Falls dolomite, downthrow to the east, Canajoharie shale concealed by drift. Active mineral spring.

LUNCHEON AT SARATOGA. The cars will be parked on Maple Avenue, Saratoga, two blocks from the business district. There are eight good restaurants within two blocks which can amply supply the entire party with lunch in a reasonable time. There are: THE FORD, RESERVATION RESTAURANT, SARATOGA INN, BLUEBIRD TEA ROOM, THE ROYAL, THE BELDEN, THE COFFEE SHOP, and several others. ONE HOUR will be taken for lunch.

Drive from Saratoga to Schuylerville, pass through areas of sand dunes. Sand is obtained here for moulding purposes. Cross Hudson River, note old Albany Lake terraces on the east.
Stop 8. Bald Mountain. Here the Lower Cambrian, Bonoseen grit largely, is overthrust upon the Ordovician Bald Mountain Limestone.

General Program Continued

Stop 9. Rysdorph Hill Conglomerate.
Stop 10. Northumberland Volcanic Plug. Here we have a mass of basic lava intricately mixed with shales of Ordovician age, Normanskill. The problem is whether the lava is in place or not.

This is the last stop. If time permits, the drive to Schenectady will be made via the Saratoga Battlefield and Mechanicville.

Annual Meeting and Dinner at the MOHAWK GOLF CLUB at 7 P.M. Motor straight out Union Street to Stop 6, Troy Road, or take the Rosendale trolley car to the same stop. The club house stands on its own grounds on the left. About 20 minutes should be allowed from the downtown section, and 15 from the college.

Saturday, May 17

Leave Campus at 8:30 sharp. Drive over Lake Albany and other Pleistocene deposits to Altamont, where the Helderberg escarpment rises. Climb long hill, near top are cuts in the Schenectady beds.

Stop 1. Esopus grit in place and Oriskany in stone wall.
Stop 2. Schoharie Creek, Cobleskill limestone above in contact with Brayman shale below. Excellent opportunity to collect pyrite in fine specimens and baryto-celestite.
Stop 3. Cushman Quarry, Complete Section Schenectady beds, Brayman shale, Cobleskill, Rondout, Manlius and Coeymans. Fine examples of glacial grooving and striation at the top of the quarry. Floor of the quarry probably Rondout.
Stop 4. Becraft limestone. Fossil collecting.
Stop 5. Small quarry in Onondaga limestone. Favosites in abundance, glacial striae.
Stop 6. Short drive up steep grade through the upper Marcellus and most of the Hamilton. Fossils.
Stop 7. Onondaga. Excellent exposures of flint seams, soluition in joints and gentle anticline. Fossils.
(Between Stop 7 and the sharp left turn toward the Indian Ladder are exposures of the Esopus Grit. No stop.)
Stop 8. Fault, about 40 feet displacement. New Scotland down-thrown on east, Becraft upthrown on west. These formations appear in their proper relationship just east of the fault.
Stop 9. John Boyd Thacher Park, Helderberg escarpment.

PICNIC LUNCHEON AT 50¢ PER PERSON

After luncheon, study of the upper Silurian and lower Devonian in the vicinity, excellent opportunity to collect fossils. Leave park at 4:30 P.M.
Stop 10. Contact between Manlius and Coeymans. Fossils.
Stop 11. Schenectady beds.
Stop 12. City of Albany, disperse for dinner (or supper).

VISIT TO NEW YORK STATE MUSEUM AT 7:30 P.M.