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.
NEW ENGLAND INTERCOLLEGIATE GEOLOGICAL EXCURSION
Clark University, Worcester, Mass.
October 26-27-28, 1951

Itinerary of Saturday Excursion

Cars line up along Maywood St., (west side of campus) pointing North toward Park St. Put Clark crimson tags in front and rear of each car. The lead car is a blue and gray Nash.

9:30 A.M. Leave Maywood St. for Worcester Airport via Mill St. (W. side of Coes Reservoir). This is one of a score of man-made ponds in the city. Climb to the Airport passes high till sections. Airport is on Schooley Peneplain, 1020 ft. View of monadnocks, Worcester lowland on Carboniferous rocks, and 300 foot dislocation in peneplain.

9:45 A.M. Leave for Hadwen Park via W. side Coes Reservoir and Webster Square. Park contains the northern most and last esker built in Glacial Lake Auburn, marking ice front when Blackstone Gap was opened.


10:27 A.M. Leave for Blackstone Water Gap. Descending Pakachoag past Holy Cross College at the former level of Lake Auburn. Cross Blackstone River which ran the spindles for early industrialization of Worcester. Turn S. into gap and belt on Mckee Rd., along Middle R. Park. All drainage from Worcester passes here to Providence. Gap cuts phyllite structure.

10:45 A.M. Leave for Oak Hill via Am. Steel & Wire S. Plant, Bellard St. and Providence St. Turn on Waverly St. around Worcester Academy and proceed up Grafton St. past Billings Square, turning left up Plantation St. Park opposite Oak Hill drumlin, once a brick yard. Walk back to striated phyllite outcrops.

11:10 A.M. Leave for Millstone Hill and Bell Pond Descending Plantation St. crossing bridge over 30 feet deep cut in phyllite where L & A R.R. from Boston enters Worcester at the head of "Shrewsbury St. Valley". Turn W. up Belmont St., and go to W. end of Bell Pond. Turn on Osg. Ave. and come out again to Belmont St. via Stanton Street (If your car makes this, it's good!) Park along Belmont St. beside Bell Pond. Those interested in the granite quarry go with Dean Little.

Holykianite crystals and inclusions. 10 minute walk each way. Those interested in drumlin-damned Bell Pond follow Dr. Lougee. The pond is natural and was Worcester's first water supply. 20 minute walk around it. View of city and Shrewsbury St. Valley from Chandler Hill Drumlin.

11:55 A.M. The two parties rejoin and leave for Wigwam Hill via Plantation St. Views overlooking Lake Quinsigamond (elev.355) which is in an ice-deepened proglacial valley. Wigwam Hill has pytgmatic folding of quartzite and phyllite.

12:10 P.M. Leave for trip around W. end of L. Quinsigamond and S. along side of lake. Follow esker tops and kame terraces. See "life among the kettle holes". Stop at F & G Construction Co. pit in deltaic kame terraces.

12:25 P.M. Leave F & G pit for dinner at Howard Johnson's on Rt. 9 1/2 mile E. of Quinsigamond Bridge.

1:30 P.M. Leave for staurolite locality in Sterling. Head N. from Howard Johnson's. Road via City Farm and Rt. 70 to the present divide between Nashua-Blackstone drainage. Short stop here on the crest of an esker at Alden's, supposed Boylston Stage outlet of Lake Nashua. Another possible stop on Pleasant Valley delta overlooking Wachusett Reservoir. Drive thru W est Boylston and follow Rt. 12 to Sterling. Mineral collecting (staurolite) on Kendall Hill.
2:30 P.M. Leave Sterling, returning thru W. Boylston and around S. end
Wachusett Reservoir to Diamond Hill in Boylston center. Oakdale quartzite.
3:00 P.M. Leave for Shrewsbury and continue S. along Rt. 140 to Prospect
Hill. Drumlin cut by glacial channel.
3:30 P.M. Leave for Lake Ripple Delta in Grafton. Follow Rt. 140
4:30 P.M. Leave for either or both: Delta section on Deerholm Rd., and
the Boulder Esker on Worcester Cutoff. Darkness determines stops.

Return to motels or hotels. Supper at Clark Campus (Estabrook Hall).
6:00 P.M. sharp. Doors close 6:30 P.M.

Park cars inside campus, and walk to Estabrook Hall.

Business and social 8:00 P.M. at Geology Department.

Sunday morning trips leave at 9:30 A.M. from Maywood Street.
Route of Saturday
Excursion

Departure times shown at each scheduled stop correspond with printed itinerary.

MILES

0 1 2 3 4 5

Helden Ctr. 122 A
Paxton
Asnebunskit x Hill

Sterling Center 2:30
Kendall Hill

To Littleton on Sunday Trip

West Boylston

Boylston Ctr.
Diamond Hill

Present drainage divide

West Auburn Tourist Court

Mt. Auburn Tourist Court

Auburn

Blackstone R.

Whitinsville 122 A
Fisherville
Farnumsville

West Auburn

Ramshorn Pond

Stoneville delta

Purgatory Chasm State Reservation

Purview Hill

Sutton

Davyn Park 10:07 10:45 10:27 Pakachiog Hill

Bell Pond

Crow Hill 11:10

Howard Johnsons

Prospect Hill 3:30

Cuts off

F. + G. Co. Pit 12:12 12:25

F. + G. Co. Pit 12:12 12:25

Wigwam Hill 12:10

Millstone Hill 11:53

Stoneville delta

Coes Reservoir

Airport 9:45

(Start) Clark 9:30
GEOLOGICAL MAP OF WORCESTER

after J. H. Perry and B. K. Emerson

Carboniferous Phyllite
Brimfield Mica Schist
Carboniferous Micaceous Quartzite
Paxton schist on W.
Bolton gneiss on E.
Granite
Glacial Lakes and Channels near Worcester

R.J. Lougee '51

Glacial Lakes

Esker

Valley train

Water Course

Asnebumskit x Hill

Indian Lake

Tatnuck

Airport

City Hall

Bell Pond

Crow Hill

Clark

Holy Water Cross

Grafton

Lake Ripple

Former drainage divide

Grafton

Farnumsville

Auburn

West Auburn

Purgatory Chasm

Northbridge

Oxford

Clinton