

DISCLAIMER

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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.

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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 Peneplane, 1020 ft. View of monadnocks, Worcester lowland on Carboniferous rocks, and 300 foot dislocation in peneplane.

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.

10:07 A.M. Leave for Pakachoag Ridge. Route crosses Stoneville delta of Lake Auburn, climbing ice contact on N., and descending frontal slope on S. Passing Auburn High School, note esker section in rear. Tour along top of Pakachoag - a typical Appalachian ridge. Peneplane surface at 700 ft. Stop near Radio Towers, outcrops of Worcester Phyllite.

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 McKeon 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, Ballard 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. Descend Plantation St. crossing bridge over 30 feet deep cut in phyllite where B & 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 in Olga 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. Molybdenite crystals and inclusions. 10 minute walk each way. Those interested in drumlin-dammed 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 preglacial valley. Wigwam Hill has pygmatic 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 West 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

4:10 P.M. Leave for either or both: Delta section on Deernola 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.

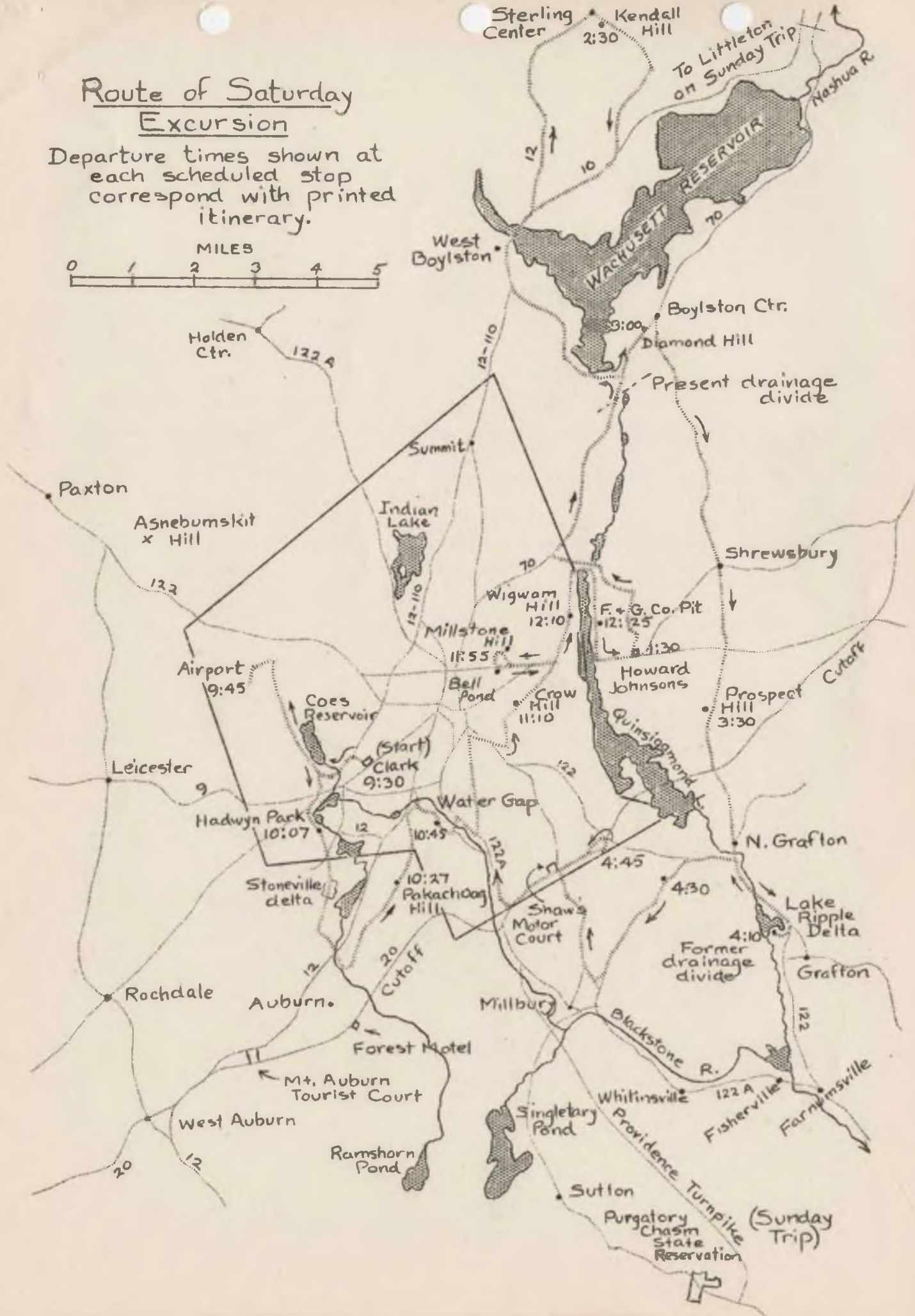
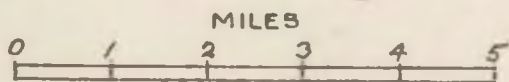
Park cars inside campus, and walk to Estabrook Hall.

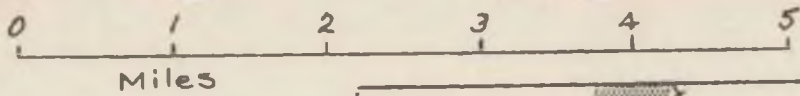
Business and social 8:00 P.M. at Geology Department.

Sunday morning trips leave at 9:30 A.M. from Maywood Street.

Route of Saturday Excursion

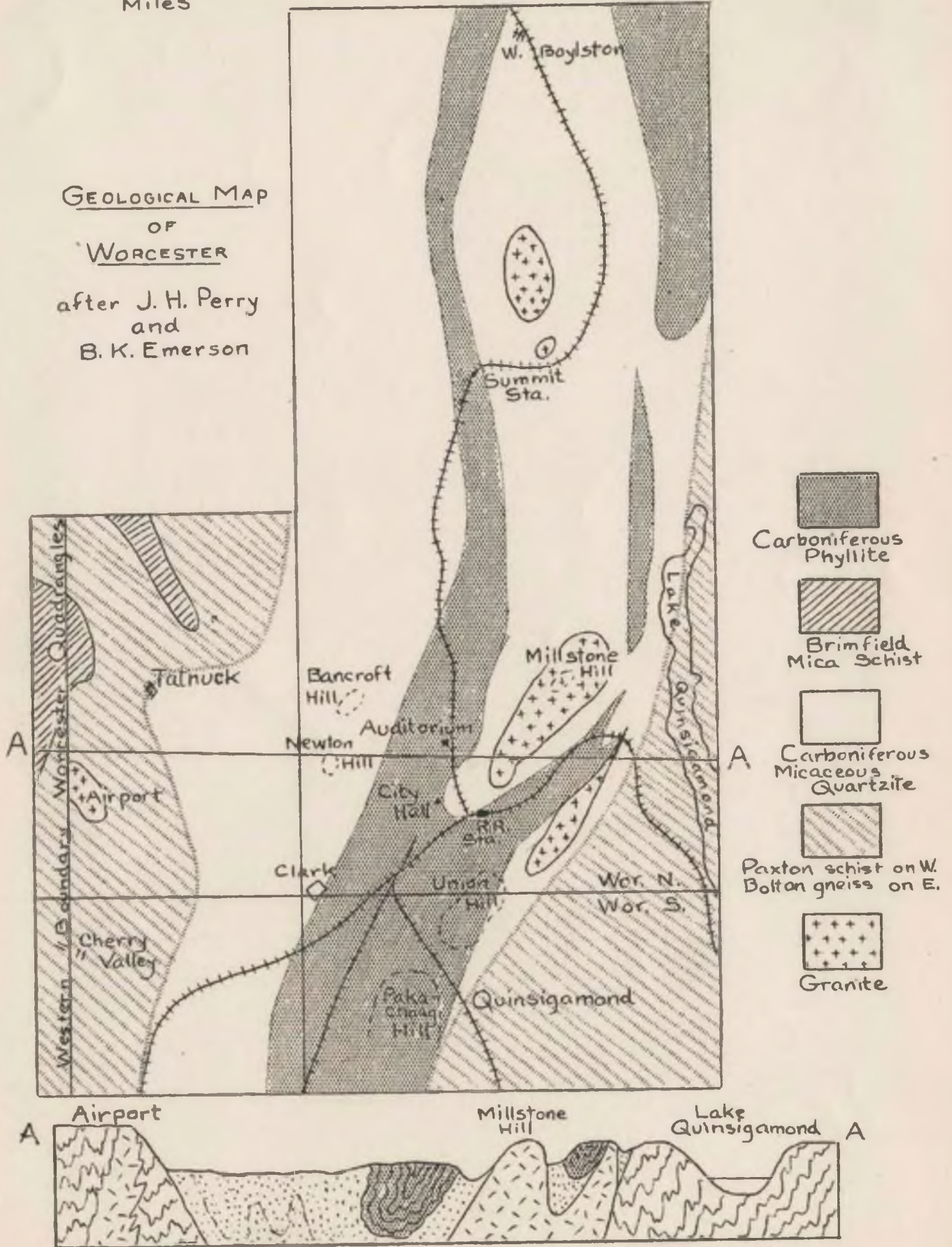
Departure times shown at each scheduled stop correspond with printed itinerary.









GEOLOGICAL MAP
OF
WORCESTER

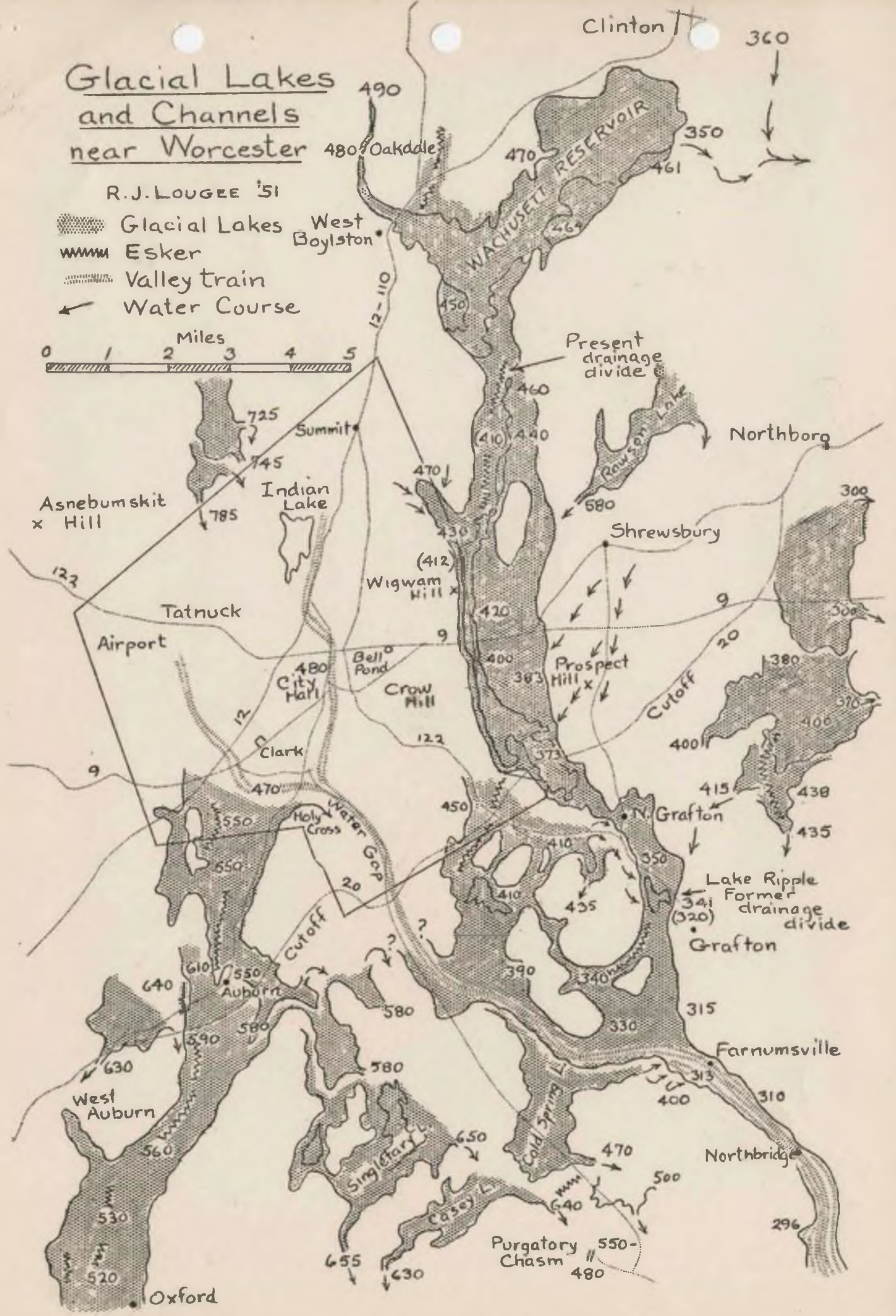
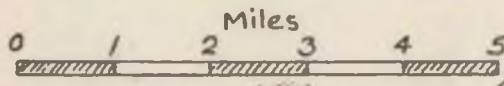
after J. H. Perry
and
B. K. Emerson



Glacial Lakes and Channels near Worcester



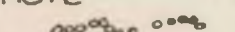
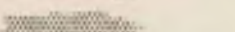
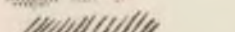
R. J. LOUGEE '51

-  Glacial Lakes
-  Esker
-  Valley train
-  Water Course



PHYSIOGRAPHY OF GLACIAL LAKE AUBURN

SYMBOLS

- Roads 
- Glacial lake shore 
- Esker 
- Delta 
- Outwash Plain 
- Brooks 