

## 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.

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NINETEENTH ANNUAL NEW ENGLAND INTER-COLLEGIATE GEOLOGICAL EXCURSION

DATES: FRIDAY, OCTOBER 12th (COLUMBUS DAY) AND SATURDAY, OCTOBER 13th, 1923

LEADERS: PROFESSORS A. C. LANE AND CHARLES PALACHE, ALSO E. E. FAIRBANKS

PLACES TO BE VISITED: ARLINGTON, WINCHESTER, AND WEST MANCHESTER

MAPS REQUIRED: BEST GENERAL MAP OF THE TOPOGRAPHY - BOSTON AND SALEM SHEETS  
BEST GEOLOGIC MAP - PLATES 1 AND 2. BULLETIN 704, U.S.G.S.  
(CLAPP'S, GEOLOGY OF THE IGNEOUS ROCKS  
OF ESSEX COUNTY, MASSACHUSETTS)

LOCALITIES: (1) Cut on Bow Street, south of Turkey Hill, northwest corner  
of Arlington.  
(2) Blueberry Mountain, southeast border of Woburn between  
Woburn and East Woburn.  
(3) Shore west of West Manchester, on Gloucester branch of the  
Boston & Maine R.R., third of the way from Beverly  
to Gloucester.

LITERATURE: (1) Clapp, Geology of the Igneous Rocks of Essex County, Mass.  
Bull. 704, U.S.G.S. (Price 30¢ from Superintendent  
of Public Documents)  
(2) Emerson, Geology of Mass. and R. I., Bull. 597, U.S.G.S.  
(3) Washington, Petrographical Province of Essex County, Mass.  
Jour. Geol., Vol. 6 (1898), pp. 787-808. and Vol. 7  
(1899), pp. 53, 105, 284, 463.  
(4) Shaler, Geology of Cape Ann, U.S.G.S., 9th Annual Report.

PROGRAM: This program assumes that DAYLIGHT SAVING time ends Oct. 1st. The  
train times given in this circular are one hour later than those  
stated in the summer time tables. As the October time tables are  
not available, be sure to verify the times and, if changes have  
been made, take train leaving at the nearest time to that scheduled  
in this program. Remember October 12th is a Holiday.

FRIDAY MORNING - A study of the Calcic Series of Rocks. Locality 1.

RENDEZVOUS at corner of Massachusetts Avenue and  
Forest Streets, Arlington, at 9.15 A.M. (From  
Boston take the subway to Harvard Square, or the  
elevated to Sullivan Square and then transfer  
to an Arlington Heights car; ask to be let off  
at Forest Street, Arlington. Or take a train  
on the Arlington branch of the Boston and Maine  
R.R. leaving the North Station at 8.15 arriving  
at Brattle Station at 8.41; from Brattle Station  
go north to New State Road and then walk west to  
Forest Street.)

FRIDAY NOON - Lunch at Tufts College Cafeteria.

FRIDAY AFTERNOON - RENDEZVOUS at Cross Street Station, Woburn, at  
2.30 P.M. (From North Station, Boston, take 2 P.M.  
train via Concord division of the Boston and Maine  
R.R. arriving at Tufts College Station at 2.13  
and at Cross Street Station at 2.28.) Walk one  
half mile from Cross Street Station to large  
quarry at south side of Blueberry Mountain; study  
the pegmatites and their minerals, including  
allanita, the Salem gabbro-florite, and the  
Winchester glacial outwash plain. Returning  
leave Cross Street Station at 4.58 and arrive  
at Tufts College Station at 5.11. Visit Powder  
House Hill and the dike of Medford diabase.

## PROGRAM: (Continued )

FRIDAY EVENING - Supper at Tufts College Cafeteria - Free to those who notify Professor Lane at Tufts College Post Office, Box 57, by October 9th.

## FRIDAY NIGHT - Hotel Accommodations

- (1) Hotel Woodbridge, Somerville, near Tufts College. Rates - \$2.00 per night. Breakfast - 50¢. (An attempt will be made to secure rooms for those who notify Professor Lane before October 9th at \$1.50 per night and breakfast.)
- (2) Boston City Club near the State House on Ashburton Place. For limited number of men over 40 miles from Boston. Notify Professor Lane at once. Rates - \$2.50 to \$3.00
- (3) Hotel Bellevue near Boston City Club, or other of the many Boston Hotels. As a large convention occurs at this date, kindly notify Professor Lane if you desire accommodations.

SATURDAY MORNING - RENDEZVOUS at West Manchester Station, on the Gloucester branch of the Boston and Maine R.R., at 9.30 A.M. Leave North Station, Boston, at 8.17 Arrive at West Manchester at 9.22 Study the camptonite, tinguaitite, and other alkaline dike rocks cutting the pegmatitic Beverly syenite along the shore between West Manchester Beverly. If time allows, the trip will be continued into Salem and Peabody. At Salem are good quarries in the Beverly nephelite syenite, and north of Peabody there is a large quarry in the Salem gabbro-diorite.

SATURDAY NOON - Bring a Lunch! Lunch will be eaten between 12.30 and 1.30 at "The Cove", Estate of Henry F. Sears. Chapman's Corner at Brackenbury Lane and Hale Street, Beverly.

SATURDAY AFTERNOON - Continuation of the morning program.

SATURDAY EVENING - Trains leave West Manchester for Beverly at 4.33, 5.24 and 6.47 P.M. arriving at Boston a little less than an hour later.

OBJECT OF THE TRIP: To study hybridization and differentiation in the calcic and alkaline rocks of the Essex County Province.