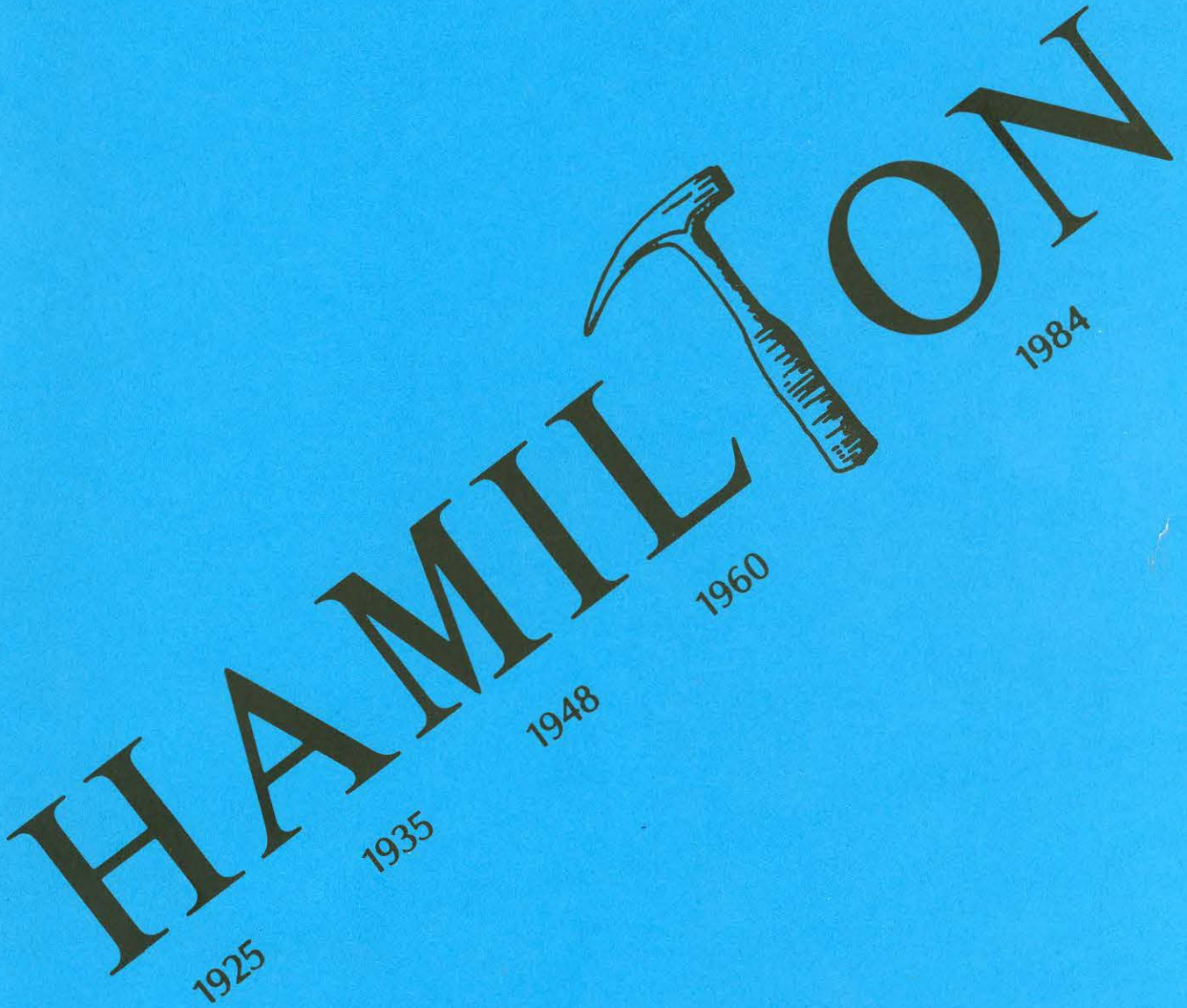


FIELD TRIP GUIDEBOOK

New York State Geological Association



56th Annual Meeting
September 21-23, 1984

Department of Geology - Hamilton College

NEW YORK STATE GEOLOGICAL ASSOCIATION

56th Annual Meeting

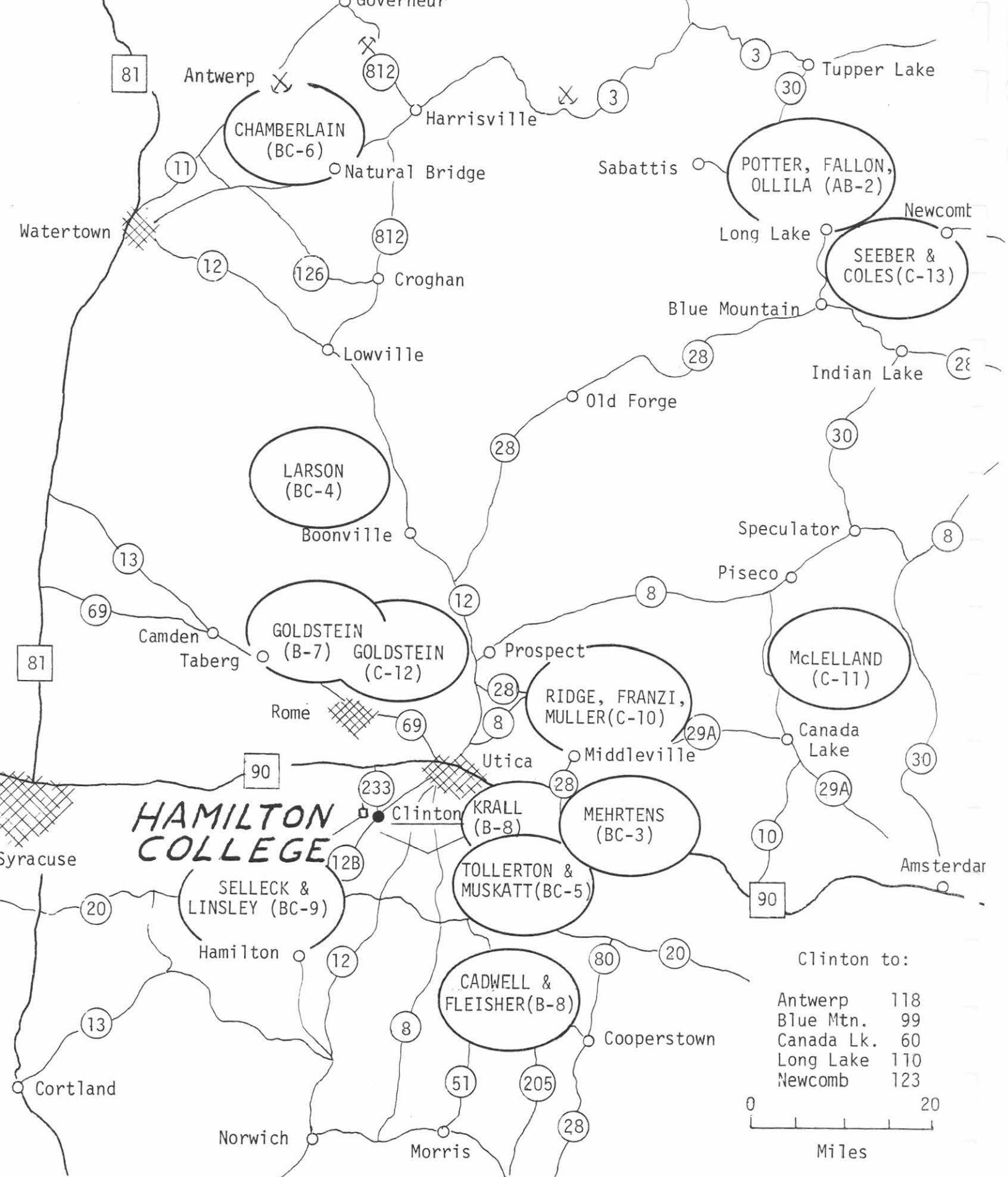
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FIELD TRIP GUIDEBOOK

Donald B. Potter, Editor

Department of Geology, Hamilton College, Clinton, New York 13323

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Fred Wolff, Department of Geology, Hofstra University, Hempstead, NY 11550



GENERAL LOCATION OF FIELD TRIPS FOR THE 56th ANNUAL MEETING OF THE NYSGA
 (AB: Friday and Saturday; B: Saturday only; C: Sunday only; BC: Saturday and Sunday)

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 <u>FRIDAY (A)</u>	
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WELCOME FROM THE ORIGINAL HOST

In 1925, on the initiative of Nelson C. Dale, Hamilton College hosted the first meeting of the NYSGA. Fifty-nine years later (with some interim visits in '35, '48, and '60) we enthusiastically welcome you all. Sorry it took so long.

FIELD TRIP LEADERS

We are grateful to our 22 colleagues who have prepared field trip guides and who are leading the 13 field trips. Tewksbury and Allers will examine some key bedrock and surficial exposures in the Black and Mohawk River valleys and reconstruct the geologic history of central New York for the benefit of secondary school earth science teachers. In the Precambrian terrane of the central Adirondacks, Potter and Fallon present the results of recent studies on the stratigraphy, structure, and metamorphism of metasedimentary units, and Ollila examines the nature of the contact zone of the Marcy anorthosite massif. Chamberlain carefully documents the mineral paragenesis of the classical Sterling iron mine at Antwerp. McLelland presents results of rock structure and fabric analysis, part of his well-known long-term study in the southern Adirondacks. Four trips are concerned with Paleozoic geology: Selleck and Linsley examine the sedimentology and fauna of the Hamilton group; Tollerton and Muskatt present new evidence for reconstructing the paleoenvironment of the Bertie Formation; Mehrtens presents new evidence for the foreland basin setting of the Trenton Group; and Larson looks at animal-sediment relations in the Black River Group. Significant new work on deglaciation, ice lobe advances, ice-dammed lakes, and paleomagnetic stratigraphy is being presented on different trips by Cadwell, Fleisher, Krall, Ridge, Franzi, and Muller. Seeber and Coles examine focal mechanisms and surface manifestations of recent seismic activity in the Newcomb region. And, Goldstein brings us face to face with our environmental responsibilities on a trip to a hazardous waste landfill which is contaminating groundwater, and examines a groundwater aquifer in glacial sediments.

Robert H. Allers, Vernon-Verona-Sherrill Central School
Donald H. Cadwell, Geological Survey, NY State Museum
Kenneth S. Coles, Lamont-Doherty Geological Observatory
Steven C. Chamberlain, Institute for Senory Research, Syracuse Univ.
Page Fallon, University of Massachusetts, Amherst, MA
P. Jay Fleisher, SUNY, College at Oneonta
David A. Franzi, Lafayette College, Easton, PA
Kenneth Goldstein, Oneida County Planning Department, Utica
Donald B. Krall, Kean College, Union, NJ
David W. Larson, Hamilton College
Robert M. Linsley, Colgate University
James McLelland, Colgate University
Charlotte J. Mehrtens, University of Vermont, Burlington, VT
Ernest H. Muller, Syracuse University
Herman S. Muskatt, Utica College
Paul Ollila, Vassar College
D. B. Potter, Jr., University of the South, Sewanee, TN
Jack C. Ridge, Syracuse University
Leonardo Seeber, Lamont-Doherty Geological Observatory
Bruce W. Selleck, Colgate University
Barbara J. Tewksbury, Hamilton College
Victor P. Tollerton, Utica College