

FRIENDS OF THE PLEISTOCENE

34th Annual Reunion

Lake George, New York

May, 1971

Leaders: Gordon Connally and Les Sirkin

07/18/05

On the following pages are two of the handouts for the 34th Annual Reunion of the Friends of the Pleistocene in 1971 in Lake George Village, New York. At that time, Richard Foster Flint discouraged guidebooks. Thus, the handouts were: (1) a two-day itinerary that has been annotated and updated in *italics* in July of 2005, (2) a list of 104 attendees, (3) a reprint of Connally and Sirkin (1971), and (4) pre-prints of Connally et al. (1972) and the map from Connally (1973). A list of references also was added in 2005.

G. Gordon Connally,
Buffalo NY

FRIENDS OF THE PLEISTOCENE
34th Annual Reunion

ITINERARY for Day 1 - Preglacial weathering and drainage, the Luzerne readvance, and the Glen Lake esker system.

En Route. From the motel, the trip will travel north along Rt. 9, passing outcrops of Precambrian crystalline rocks.

STOP NO. 1. This stop will exhibit the famous Lake George saprolite which has been visited on many previous field trips. The saprolite represents preglacial (Tertiary?) weathering of the Precambrian crystallines of the Adirondack Mountains. The leader will be Ernie Muller of Syracuse University.

En Route. The trip will return through Lake George Village and will proceed up the Prospect Mountain Highway. Outcrops of Precambrian crystallines and “mountain till” will be observed.

STOP NO. 2. The Prospect Mountain area overlooks the Lake George graben, the upper Hudson Valley to the south, and the Wood Creek trench and New England Upland to the far east. Leaders for this stop will be Jim Davis and Bob Dineen of the New York Geological Survey.

En Route. If the weather permits, one or two picture stops will be made during our descent to Rt. 9. We will continue southward on Route 9 and then turn southwestward along the base of the Luzerne Mountains to the Luzerne Mountain gorge. The Lake Albany sand plain will be seen to the east and kame terraces related to the Glen Lake esker system to the west.

STOP NO. 3. This is the type locality for the Luzerne readvance and is described in your reprint (*Connally and Sirkin, 1971*). Both the reprint and the fabric diagram will be needed. The leader will be Gordon Connally. [*Both the older grayish black (N 4) till and the overlying moderate olive-gray (5 Y 4/2) till of the readvance were well displayed as described in the reprint. Both tills still were easily observed on Stop 9 of Connally and Cadwell, 2002.*]

En Route. The trip will continue west on the Corinth Rd., traversing Woodworth’s Hartman Terrace (*Woodworth, 1905*). We will then descend into the Adirondack portion of the Hudson River valley where the river is relatively unpolluted. The trip will travel north along the Hudson, through the village of Lake Luzerne and then along the Pine Log Camp outwash-valley train. The buses will turn in at Pine Log Camp for our lunch stop. We have been asked not to smoke while at the Camp by Mr. Barr Morris, the owner who has once again granted permission for a group to visit the Camp.

STOP NO. 4. This is the Pine Log Camp bog and your reprint will once again be useful. The pollen stratigraphy and radiocarbon age have been used to date the Luzerne readvance and associated events. [*The leader for this stop was Les Sirkin.*]

En Route. We will leave the camp, drive over a bedrock hill, and rejoin the Hudson River valley.

STOP NO. 5. This stop will be made in two parts, on the sands deposited in Glacial Lake Warrensburg. At the first stop we will discuss the relationship between mountain glaciation, Lake Warrensburg, and the Luzerne readvance. At the second stop we will examine some of the sediments of Lake Warrensburg. The leader will be Jesse Craft (*Craft, 1970*) of Brock University.

En Route. We will return to the Pine Log Camp valley train and proceed eastward through the pitted outwash. We will pass the Hidden Valley morainal segment where the ice margin stood during deposition of the valley train. We will then proceed down to the Lake George trough, through stagnant ice deposits from the wasting of Luzerne readvance ice. Once again we will turn south on Rt. 9 and proceed through picturesque stagnant ice topography.

STOP NO. 6. This is an esker ridge in the Glen Lake esker system. This stop, and the next two, will focus on a complex feature that Chadwick (*1928*) called a kame terrace. Gordon Connally will be the leader and the Glens Falls map will be used. [*The map referred to was a blue-line pre-print of that published as New York State Museum Map and Chart Series 23 (Connally, 1973).*]

En Route. We will traverse partially buried esker topography.

STOP NO. 7. This stop will examine the outwash that has partially buried the Glen Lake esker system. [*Gordon Connally was the leader for this and all subsequent stops.*]

En Route. The trip will return westward with the esker system to the south and French Mountain to the north.

STOP NO. 8. In order to visit this stop we must trespass on the property of the Lake George Trailer Park. The stop shows the lacustrine deposits of Glacial Lake Albany that mantle both the esker system and the outwash although here a facies relationship probably exists.

ITINERARY for Day 2 - Glacial Lakes Albany, Quaker Springs, Coveville, and Fort Ann; and The Erg! [*The glacial lake levels would be cited in a Northeast Section GSA presentation the following spring (Connally, 1972).*]

En Route. The trip will once more proceed southward along Rt. 9 and over the Glen Lake esker system to the outwash delta that documents Lake Albany. Finally, we will descend the foreset slope of the outwash delta.

STOP NO. 9. This pit exhibits the foreset beds of the delta. At the toe of the delta 8 ventifacts have been recovered from 1955 to the present. While they are not handsome ventifacts, as ventifacts go, they all had their polished faces shining brightly to the southward.

En Route. We will cross the Glen Lake esker system and then turn eastward on Rt. 149. In Fort Ann we will turn north on Rt. 4 and travel up the Wood Creek trench and then turn east again on Rt. 22.

STOP NO. 10. This is the toe of the Lake Coveville delta deposited by the Mettawee River. No Fort Ann delta is present.

En Route. We will continue around the delta surface and then return to the Wood Creek trench. We will proceed southward on Rt. 4 to Hudson Falls.

STOP NO. 11. This is a picture stop to observe the colorful polluted water of the Hudson River as it descends the falls.

En Route. *[We continued southward to a rare surface exposure that I had located on the Friday before the meeting.]*

STOP NO. 12. This stop illustrates the orange colored eolian sand that blankets the upper Hudson Valley. The preprint *[that was later published as Connally, et al., 1972)]* will be discussed. *[While I was explaining how we **never** had definitive exposures Peter David went in back of the hill and found beautiful festooned cross bedding!]*

En Route. As we proceed westward toward the Northway we will see many low ridges and intervening swales. Are these dunes?

References

- Chadwick, G. H., 1928, Ice evacuation stages at Glens Falls, New York: Geological Society of America Bulletin, v. 39, p.901-922.
- Connally, G. G., 1972, Major proglacial lakes in the Hudson Valley and their rebound history (abstract): Geological Society of America, Abstracts with Programs, v. 4, p. 10.
- Connally, G. G., 1973, Surficial geology of the Glens Falls region: New York State Museum, Map and Chart series 23, 1 map, 1:62,500.

- Connally, G. G. and Cadwell, D. H., 2002, Glacial Lake Albany in the Champlain Valley: *In* McLelland, J., and Karabinos, P., editors, Guidebook for Fieldtrips in New York and Vermont, New York State Geological Association 74th annual meeting, Colgate University p. B8-1 - B8-26.
- Connally, G. G., and Sirkin, L., 1971, The Luzerne readvance near Glens Falls, New York: Geological Society of America Bulletin, v. 82, p. 989-1008.
- Connally, G. G., Krinsley, D. H., and Sirkin, L., 1972, Late Pleistocene erg in the upper Hudson Valley, New York: Geological Society of America Bulletin, v. 83, p. 1537-1542.
- Craft, J. L., 1970, Late Pleistocene glacial climate of the Adirondack Mountains, northeast New York, U.S.A. (abstract): American Association for Quaternary Research, 1st annual meeting, Bozeman, Montana.
- Woodworth, J. B., 1905, Ancient water levels of the Champlain and Hudson Valleys: New York State Museum Bulletin 84, p. 65-265.

List of Attendees
34th Annual Reunion

Gail Ashley, Univ. Mass	Aleksis Dreimanis, Univ. Western Ontario
Rachel M. Barker, USGS (Boston)	Mrs. Aleksis Dreimanis
Robert F. Black, Univ. Conn.	W. S. Eden, NRC Canada
Mrs. Robert F. Black	John Elson, McGill Univ
Arthur L. Bloom, Cornell Univ.	Mrs. John Elson
Harold W. Borns, Jr., Univ. Maine	Duane T. Eppler, St. Lawrence Univ.
Michael Bozozuk, NRC Canada	Rhodes Fairbridge, Columbia Univ.
Ian Brookes, York Univ.	Jane L. Forsyth, Bowling Green State Univ.
Kenneth N. Burns, NRC Canada	Dave Fullerton, New York Univ.
Donald H. Cadwell, SUNY Binghamton	Nelson R. Gadd, Geol Survey Canada
Joe Caggiano, Univ. Mass	Cyril J. Galvin, Jr., CERC
Andrew W. Caswell, Univ. Vermont	E. P. Henderson, Geol Survey Canada
Donald H. Chapman, Univ. New Hampshire	Calvin J. Heusser, New York Univ.
Mrs. Donald H. Chapman	Linda Heusser, New York Univ.
Douglas Cherkauer, Princeton Univ.	Carol T. Hildreth, USGS
Donald R. Coates, SUNY Binghamton	Richard W. Hildreth, Norton Metals Div.
Roger B. Colton, USGS	John Hollin, Univ. Maine
G. Gordon Connally, Univ. Buffalo	Mary E. Horne, Pennsylvania Geol. Survey
Jesse L. Craft, Brock Univ.	Alan V. Jopling, Univ. Toronto
Carl Crawford, NRC Canada	Sheldon Judson, Princeton Univ.
Mrs. Carl Crawford	Frank Keegan
George H. Crowl, Ohio Wesleyan Univ.	Mrs. Ann Keegan
Peter P. David, Université de Montréal	Roger M. King, Univ. Western Ontario
James F. Davis, New York Geol. Survey	Mrs. Roger N. King
Ronald B. Davis, Univ. Maine	James Kirkland, SUNY Binghamton
George Denton, Univ. Maine	Carl Koteff, USGS
Robert J. Dineen, New York Geol. Survey	George Kukla, Academy of Science, Prague
Jean-Claude Dionne, Quebec Fisheries/Forestry	Robert G. LaFleur, Rensselaer Polytechnic Inst.

Pierre LaSalle, Quebec Natural Resources
Norman P. Lasca, Univ. Wisconsin-Milwaukee
J. Lebuis, Quebec Natural Resources
Robert Legget, Ottawa, Canada
Mrs. Mary Legget
George D. Linkletter, Lafayette College
Walter H. Lyford, Harvard Univ.
Barrie C. McDonald, Geol. Survey Canada
Jim Minard, USGS
Ernest H. Muller, Syracuse Univ.
Wayne L. Newell, USGS (Middlesboro KY)
Walter S. Newman, Queens College
William A. Newman, Northeastern Univ.
J. Gordon Ogden, Dalhousie Univ.
Robert W. Oldale, USGS (Boston)
James P. Owens, USGS
Louis Peltier, Univ. Pittsburgh
Fred Pessl, Jr., USGS (Boston)
Wayne A. Pettyjohn, Ohio State Univ.
Anson Piper, Adirondack Comm. College
Glen C. Prescott, USGS
V. K. Prest, Geol Survey Canada
J. B. Railton, Dalhousie Univ.
Hugh M. Raup, Harvard Univ.
Edward C. Rhodehamel, USGS
Charles C. Rich, Bowling Green State Univ.
Anthony Richards, SUNY Albany
Meyer Rubin, USGS
Victor E. Schmidt, SUNY Brockport
William D. Sevon, Pennsylvania Geol Survey
William Shilts, Geol Survey Canada
Allen Sinnott, USGS
Leslie A. Sirkin, Adelphi Univ.
Althea P. Smith, Univ. Mass
H. T. U. Smith, Univ. Mass
Dean R. Snow SUNY Albany
Byron Stone, Univ. Vermont
James S. Street, St Lawrence Univ.
Robert Stuckenrath, Smithsonian Institution
Jan Terasmae, Brock Univ.
Woodrow Thompson, Univ. Vermont
W. P. Wagner, Univ. Vermont
Tony Ward, Univ. Western Ontario
Charles P. Warren, USGS
Mrs. Chares P. Warren
John R. Williams, USGS