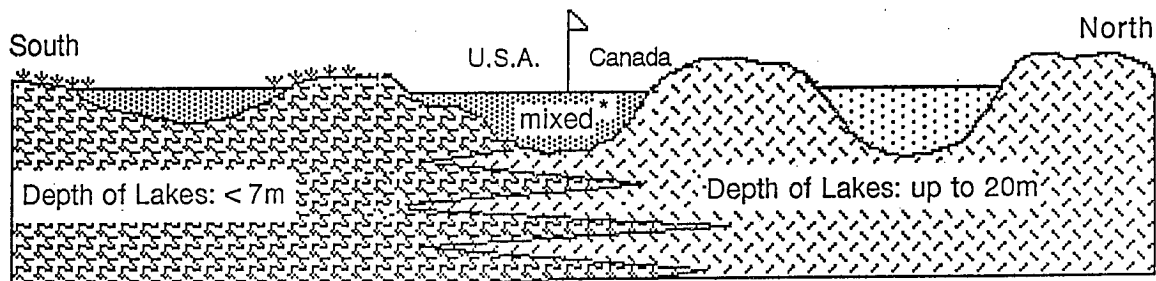


SECOND KECK RESEARCH SYMPOSIUM IN GEOLOGY

(Abstracts Volume)

Amherst College
Beloit College
Carleton College
Colorado College
Franklin and Marshall College
Pomona College
Smith College
Whitman College
Williams College
The College of Wooster

Schematic Cross Section



Metasedimentary Bedrock
Water Color: Brown, "tea-colored"
Dissolved Organic Carbon (DOC) : 8 mg / l
Ca+Mg: 205 ueq / l
More swamp/ bog area (more allocthonous humic contribution)

Granitic Bedrock
Water Color: Clear and green
DOC: 4 Mg / l
Ca+Mg: 150 ueq / l (poorly buffered)
Less swamp/ bog area

Colorado College
Colorado Springs, Colorado
14-16 April 1989

SECOND KECK RESEARCH SYMPOSIUM IN GEOLOGY
Colorado College
Colorado Springs, Colorado
April 13-16, 1989

Thursday, 13 April 1989

Arrive in evening and get list of room assignments. Informal interaction and set up of Poster Session I.

All meals will be served in Gaylord Hall, Worner Campus Center. All oral sessions will be held in Packard Hall auditorium. All poster sessions will be held in Coburn Gallery, Worner Campus Center.

Friday, 14 April 1989

0700 - Breakfast

0800 - Pre-field trip slide show.

0830 to 1130 - Field trip, Colorado Springs geology.

1200 - Lunch

1330 to 1430 - Oral Session I: *Ancient Geography and River Hydraulics, Eastern Montana.*

1330 - Edward S. Belt: *Early Paleocene Fluvial Sedimentology, Paleobotany, and Paleomagnetism.*

1350 - Valerie Tamm: *A Comparison of Leaf Fossils from Upper Lebo and Lower Tongue River Members of the Fort Union Formation (Paleocene) near Locate, Southeastern Montana.*

1405 - David F. Parse, Jr.: *A Paleomagnetic Study of Clinkers from the Williston Basin, Southeastern Montana.*

1420 - Discussion of Montana papers.

1430 - Break

1445 to 1535 - Oral Session I (continued): *Burntside Lake Fault Zone, Minnesota - Canada.*

1445 - Henry H. Woodard and Stephen G. Weaver: *Geology of Archean Rocks, Basswood Lake - Crooked Lake Region, Northern Minnesota - Southern Canada.*

1505 - Gerald "Chip" W. Johnson: *Petrographic and Structural Interpretation of Displacement along the Burntside Lake Fault Zone, Basswood Lake Area, Northern Minnesota.*

1520 - Karen Ruth Font: *The Burntside Lake Fault Zone: A Study of Two Faults in Basswood Lake.*

1535 to 1635 - Oral Session I (continued): *Water Quality and Lithology, Minnesota - Ontario Boundary.*

1535 - Richard C. Stenstrom: *The Influence of Lithology on the Color and Quality of Surface Water along the Northern Minnesota - Ontario Border: a test of a hypothesis.*

- 1550 - David A. Nemetz: *The Lithological Influence upon Lake Chemistry in the Crooked Lake Region of Northern Minnesota and Southern Ontario.*
- 1605 - Eric H. Miller: *A Comparative Study of Juxtaposed Lake Systems Underlain by Differing Bedrock along the Minnesota - Ontario Border.*
- 1620 - Sonja Wolter: *Chemical, Physical and Biological Impacts on Sandpit Lake in the Boundary Waters Canoe Area Wilderness.*
- 1635 - Discussion of both sets of Minnesota - Canada papers.

1645 - Break

1700 to 1800 - Poster Session I:

Ancient Geography and River Hydraulics, Eastern Montana.

Burntside Lake Fault Zone, Minnesota - Canada.

Water Quality and Lithology, Minnesota - Ontario Boundary.

1900 - Dinner

2030 - Volleyball. Set up Poster Sessions II and III.

Saturday, 15 April 1989

0700 - Breakfast

0800 to 0930 - Oral Session II: *Metamorphism in the Chester Dome, Vermont.*

0800 - Paul Karabinos: *Metamorphism in the Chester and Athens Domes, Southeastern Vermont.*

0820 - William Carroll: *Geochemistry and Tectonic Origin of the Barnard and Shaw Mountain Amphibolites, Vermont.*

0835 - Libby Stern: *The Nature of the Albite Porphyroblasts in the Hoosac Schist, Chester Dome, Vermont.*

0850 - Eileen Heady: *Compositional Variations in the White Micas of the Bull Hill Augen Gneiss, in the Chester and Athens Domes, Vermont.*

0905 - Neena Bashir: *Kinetics of Crystal Size Variation in Regionally Metamorphosed Rocks from Rockways Mills, Vermont.*

0920 - Discussion of Chester Dome papers.

0930 - Break

0945 to 1100 - Oral Session II (continued): *Delineation of Aquifer Geometries, Connecticut Valley, Massachusetts.*

0945 - H. Robert Burger: *Delineation of Aquifer Geometries, Connecticut Valley, Massachusetts, using Geophysical Techniques.*

- 1005 - Lawrence D. Meckel, III: *An Investigation of Two Seismic Techniques: Refraction and Reflection in the Shallow Subsurface of the Connecticut River Valley, Massachusetts.*
- 1020 - Rowland Cromwell: *Shallow Seismic Reflection as Applied to Ground Water Surveys.*
- 1035 - Todd M. Reichart: *Applied Geophysical Study of the Connecticut River Floodplain near Northampton, Massachusetts.*
- 1050 - Discussion of papers on aquifer geometries.
- 1100 - Break
- 1115 to 1215 - Poster Session II:
- Metamorphism in the Chester Dome, Vermont.*
- Delineation of Aquifer Geometries, Connecticut Valley, Massachusetts.*
- 1215 - Lunch
- 1330 to 1500 - Oral Session III: *Crustal Evolution of Early Proterozoic Rocks, Central Colorado.*
- 1330 - Shelby J. Boardman and Reinhard A. Wobus: *Investigations of the Proterozoic Geology of Central Colorado.*
- 1350 - Keith S. Schembs: *A Geochemical Analysis of Mafic Rocks around Salida, Colorado.*
- 1405 - Margaret W. Staub: *Early to Mid-Proterozoic Volcaniclastic Sediments, Tuffaceous Flows, and Basaltic Komatiite Flows from the Cochetopa Accretionary Terrane, Little Cochetopa Creek, Central Colorado.*
- 1420 - Karin L. Johnson: *Petrology and geochemistry of the Ptarmigan Basin Pluton, Chaffee County, Colorado.*
- 1435 - Rebecca K. Mellinger: *Xenoliths of the Ptarmigan Lake Pluton, Buena Vista, Colorado.*
- 1450 - Discussion of papers on Proterozoic rocks.
- 1500 - Break
- 1515 - Oral Session III (continued): *Pleistocene and Holocene Carbonate Systems.*
- 1515 - H. Allen Curran, Brian White, and Roger D. K. Thomas: *San Salvador Island Bahamas: A natural Laboratory for the Study of Carbonate Sediments and Rocks--Part II.*
- 1530 - Kathleen White: *Effects of Sea Level Rise on the Diagenesis of Quaternary Carbonate Eolianites of San Salvador Island, Bahamas.*
- 1545 - Lorrin Ferdinand: *Paleoecological Significance of Size-Frequency Distributions of Shells of Arcoid Bivalves from Modern Sediments of San Salvador Island, Bahamas.*

- 1600 - Celinda E. M. Brandt: *Marine Bioerosion and Community Organization on Carbonate Hard Substrates of San Salvador Island, the Bahamas.*
- 1610 - Terry D. Lahm: *Marine Boring of Carbonate Hard Substrates on San Salvador Island, the Bahamas.*
- 1620 - Elizabeth C. Mairack: *Patterns of Carbonate Sediment Production and Distribution on Patch Reefs in San Salvador, Bahamas.*
- 1635 - Discussion of papers on Bahama carbonates.

1645 - Break

1700 to 1800 - Poster Session III:

Crustal Evolution of Early Proterozoic Rocks, Colorado.

Pleistocene and Holocene Carbonate Systems, Bahamas.

1900 - Dinner

2030 - Volleyball

Sunday, 16 April 1989

0700 - Breakfast, followed by departures.