

"THE MINERALOGY OF PEGMATITES"

FOURTH JOINT MINERALOGICAL SOCIETY OF AMERICA - FRIENDS OF MINERALOGY SYMPOSIUM

TUCSON, ARIZONA

FEBRUARY 15 - 16, 1981

Introductory Remarks (8:45-9:00)

Richard A. Bideaux (Bideaux Minerals; Local General Chairman)

Gordon E. Brown, Jr. (Stanford University; Technical Chairman)

Session I: Mineralogy of Famous Pegmatite Localities I (February 15, 9:00-12:15)

Chairman: Clifford Frondel (Harvard University)

1. Petr Cerny (University of Manitoba): *The Tanco Pegmatite, Southeastern Manitoba*
(9:00-9:30)
 2. Brian C. Chakoumakos (VPI&SU), Clarence W. Cook (Shell Oil Co.), Marcia E. Register (BDM Corp.), Douglas G. Brookins and Rodney C. Ewing (University of New Mexico), and Gary P. Landis (U.S. Geological Survey): *The Harding Pegmatite: A Summary of Recent Research*
(9:30-10:00)
 3. John Sampson White (U.S. National Museum): *Foote Mine Mineralogy*
(10:00-10:30)
- Coffee Break (10:30-10:45)
4. Eugene E. Foord (U.S. Geological Survey): *Bismuthian Stibiocolumbite-tantalite and Other Minerals From the Little Three Mine, Ramona, California*
(10:45-11:15)
 5. Vandall T. King (Ward's Natural Science Establishment): *Crystallization History of a Newry, Maine Pegmatite*
(11:15-11:45)
 6. John Sinkankas (San Diego, Ca.): *Alpine-Type Beryl-Emerald Deposits Near Hiddenite, North Carolina*
(11:45-12:15)

Lunch Break (12:15-1:45)

Session II: Mineralogy of Famous Pegmatite Localities II (February 15, 2:00-5:45)

Chairman: Richard H. Jahns (Stanford University)

1. Richard V. Gaines (Cabot Minerals): *The Brazilian Pegmatite Province*
(2:00-2:30)
2. Boris M. Shmakin (United Nations): *Some Famous Pegmatite Localities in the U.S.S.R.*
(2:30-3:00)

3. Al Falster (Falster Minerals): *Pegmatites of the Wausau Pluton, Wisconsin*
(3:00-3:30)

Coffee Break (3:30-3:45)

4. Elbert A. King (University of Houston): *Mineralogy of the Badu Pegmatite, Llano County, Texas*
(3:45-4:15)
5. E. William Heinrich (University of Michigan): *Kindreds and Districts of Rare Earth Mineral Pegmatites in Colorado*
(4:15-4:45)
6. William B. Simmons (University of New Orleans) and E. William Heinrich (University of Michigan): *The Black Cloud Pegmatite, Teller County, Colorado*
(4:45-5:15)
7. George R. Rossman (California Institute of Technology): *Origin of Color in Pegmatitic Minerals*
(5:15-5:45)

MSA-FM Banquet (February 15, 7:00pm on)

7:00 Cocktails

8:00 Dinner

9:00 Plenary Lecture: Clifford Frondel (Harvard University)
Mineralogy and Mining of Early American Pegmatites

Session III. Mineralogy of Phosphate-Bearing Pegmatites (February 16, 8:30-11:45)

Chairman: Paul B. Moore (University of Chicago)

1. Paul B. Moore (University of Chicago): *The Primary Pegmatite Phosphate Minerals*
(8:30-9:00)
2. Anthony R. Kampf (Natural History Museum of Los Angeles County): *The Phosphate Mineralogy of the Palermo Pegmatite*
(9:00-9:30)
3. James E. Shigley, Gordon E. Brown, Jr. and Richard H. Jahns (Stanford University): *The Occurrence of Phosphate Minerals in Granitic Pegmatites: An Example of Lithiophilite From the Stewart Mine Near Pala*
(9:30-10:00)

Coffee Break (10:00-10:15)

4. David London and Donald M. Burt (Arizona State University): *The Geology of Lithium Pegmatites in the White Picacho District, Maricopa and Yavapai Counties, Arizona*
(10:15-10:45)
5. Willard L. Roberts (South Dakota School of Mines): *Secondary Phosphate Minerals From Pegmatites of the Black Hills, South Dakota*
(10:45-11:15)

6. Richard A. Bideaux (Bideaux Minerals): *Gem-Bearing Pegmatites at Klein Spitzkop, Namibia (Southwest Africa)*
(11:15-11:45)

Lunch Break (11:45-1:15)

Session IV: Paragenesis of Pegmatites (February 16, 1:15-4:15)

Chairman: Gordon E. Brown, Jr. (Stanford University)

1. Bruce E. Taylor (University of California, Davis): *Light Stable Isotope Geochemistry of Granitic Gem- and Non-Gem-Bearing Pegmatites*
(1:15-1:45)
2. Philip M. Fenn (University of California, Davis): *Recent Progress in Experimental Studies of Pegmatite Genesis*
(1:45-2:15)
3. Richard H. Jahns (Stanford University): *Roles of Aqueous Vapor in Pegmatite Genesis*
(2:15-2:45)
4. Gordon E. Brown, Jr. (Stanford University): *On the Nature of Pegmatitic Fluids*
(2:45-3:15)

Beer and General Discussion of Pegmatite Paragenesis (3:15-4:15)