Proceedings of the Sixty-fifth Annual Meeting of the Mineralogical Society of America in Reno, Nevada

HENRY O. A. MEYER, SECRETARY

The sixty-fifth annual meeting of the Society was held on November 5 to November 8, 1984 in Reno, Nevada. The abstracts were organized into 15 technical sessions: five in igneous petrology, three in experimental petrology, three in metamorphic petrology, two in mineralogy and two in volcanology. In addition the Society sponsored two poster sessions, and one symposium: Diffusion in Mineral, Melt, and Glass Systems. Prior to the annual meeting a short course on Micas was organized by S. W. Bailey. All the sessions were integrated into the overall program of the Geological Society of America with the help of the Joint Technical Program Committee (T. L. Grove, MSA Representative).

The retiring president, Charles T. Prewitt, presented an address to the Society on “Crystal Chemistry: Past, Present and Future” on Tuesday, 6 November. M. Charles Gilbert gave a short address in memory of David R. Wones who died in an accident a few days prior to the meeting.

President Prewitt called the annual business meeting of the Society to order, and subsequently made some remarks. The Secretary, Treasurer, Editor of the American Mineralogist and Editor of the Reviews in Mineralogy reported to the membership on Society affairs.

1984 Council Actions

The second meeting of the 1984 Council was held in Cincinnati, Ohio on May 13, 1984 and the third meeting on November 4, 1984 in Reno, Nevada. Important actions taken were:

Awards

The Roebling Medal for 1985 will be awarded to Francis J. Turner, Professor Emeritus of the University of California at Berkeley.

The Mineralogical Society of America Award for 1985 will be presented to John M. Ferry of The Johns Hopkins University, Baltimore.

Twenty-two American Mineralogist Undergraduate Awards were issued in 1984. All the recipients received one year’s free subscription to the American Mineralogist starting with the Jan.–Feb. issue, 1985.

Research Grant

The Mineralogy-Petrology research grant for 1985 was awarded to Carol R. Nabelek of the University of Missouri at Columbia.

The Kraus Crystallographic research grant will be awarded in 1986 and the competition for this grant will be held this year. Council has increased the monetary award for both of the above grants to $3500.

Nominations for Officers for 1986

President: Paul B. Barton, Jr., U.S. Geological Survey
Vice-President: Bernard W. Evans, University of Washington (one to be selected) Paul H. Ribbe, Virginia Polytechnic Inst. & State Univ.
Secretary: Henry O. A. Meyer, Purdue University (1986–1987)
Treasurer: Not on 1968 ballot
Councillors: (1986–1988)
Joseph V. Chernosky, Jr. Jerry R. Weidner
John S. Dickey, Jr. Walter E. Trzcinski, Jr.
E. J. Essene, University of Michigan
J. Stephen Huebner, U.S. Geological Survey
Robert C. Newton, University of Chicago
George R. Rossman, California Inst. of Technology

Fellowship

Council elected the following four members to Fellowship (Iris Y. Borg, Chair):

Joseph V. Chernosky, Jr. Jerry R. Weidner
John S. Dickey, Jr. Walter E. Trzcinski, Jr.

Council accepted the following recommendations of the Ad Hoc Committee on Fellowship (J. J. Papike, Chair):

1. The category of Fellows be retained
2. The number of Fellows not be set by some arbitrary percentage of the total membership
3. Criteria for election to Fellowship are:
   a) Significant scientific contributions in any of the fields crystallography, mineralogy, and petrology.
   b) A minimum of a bachelor’s degree in geology or a related field.
   c) At least 5 years of professional experience beyond the last academic degree.
   d) Roebling Medallists and MSA Awardees automatically become Fellows.
   e) Other attributes to be considered are:
      i) Excellence in Earth Science education
      ii) Outstanding service to the profession.

Financial Affairs and Management Concerns

The financial matters of the Society occupied a substantial amount of the Council’s time but due to the excellent and unstinting guidance of the Treasurer, Odette B. James, Council were able to accept the recommendation that there be no change in membership dues in 1985. However, Institutional subscriptions to The American Mineralogist will increase slightly to $110 ($115 for non-US institutions), and page charges for authors will increase by $5.00 to $50.00 per page as of January 1985. Student dues will increase to
$15.00 for 1985. These changes reflect the increasing costs of production of The American Mineralogist.

This was the final year for James as Treasurer of the Society. The President and Council thanked her warmly for the major time and effort she had put into the difficult task of ordering the Society’s finances.

A new Executive Secretary, Barbara Minich, was appointed by Council in May to succeed F. Spilhaus. A separate office for the affairs of the Society has been organized within the AGU building and many of the members have already experienced the improvements instituted by Minich in the handling of the business affairs.

1985 Council Actions

The first meeting of the 1985 Council was held on 6 November, 1985 in Reno, Nevada.

The Council discussed a number of topics including: (1) the long term goals and priorities of the Society; (2) increasing the membership and fund raising; (3) the Congressional Fellow program of the AGI; (4) the present association of the business office of the Society within the AGU headquarters in Washington, D.C.

Council approved the budgets for the Society and Mineralogical Abstracts. The Society's budget for 1985 projects a deficit of about $35,000, but some of this deficit is due to advance financial support to IMA 86 and may be recouped.

Michael J. Holdaway, Editor, and Linda Dungan, Managing Editor, of The American Mineralogist; Paul H. Ribbe, Editor—Reviews of Mineralogy were all reappointed for 1985 as well as Barbara Minich as Executive Secretary.

Council requested James L. Munoz to be the new Editor of The American Mineralogist to take effect in 1986.

Committee

The report of the Committee on Committees (Eugster, Chairman) was approved with modifications. The President, Eugster, appointed a Development Committee (Barton, Chairman) to study, examine and propose future aims and development of the Society. Views and suggestions pertinent to this charge would be welcomed by the Chairman of the committee.

HENRY O. A. MEYER
Secretary

Report of the Secretary for 1984

Results of the Election

The 1985 ballot resulted in the following elections:

President: H. P. Eugster (1985)
Vice-President: P. B. Barton, Jr. (1985)

The ballots (890) and the count were certified on August 30, 1984.

Two by-law changes regarding Fellowship matters were passed. The first change whereby members who became Fellows due to longevity could opt to receive The American Mineralogist at the prevailing student rate was passed; 773 for, 33 against. The second change that the contribution to become a Life Fellow would be 25 times the effective annual dues was passed; 742 for, 57 against.

Membership Statistics

As of December 1984, there were 2944 members distributed as follows: Members 1754 (+113); Student Members 619 (+49); Fellows 564 (−17); Honorary Fellows 7 (0). Numbers in parentheses indicate change from 1983.

Necrology

The deaths of the following Members and Fellows have been reported:

Horace R. Blank
Arthur M. Brant
George W. Brindley
Clifton S. Corbett
Max H. Hey
Richard H. Jahns
V. Stephen Papezik
Frank W. Stead
Robert W. Webb
David R. Wones

The Secretary would appreciate notification of the passing of any member.

Other

The appointment of a full-time Executive Secretary has resulted in major improvements in the running of the business office of the Society, and this will reflect in benefits to the members. Nevertheless, the Society consists of a dedicated, concerned and involved membership who by interaction and direction to Council keep the Society active and well. Your support and comments are welcomed and encouraged by Council.

HENRY O. A. MEYER
REPORT OF THE EDITOR FOR 1984

During the year ending September 30, 1984, 183 manuscripts were received by the journal. Previous years have been: 193 in 1980-81, 217 in 1981-82, and 193 in 1982-83. Table 1 summarizes the operations of the journal over the past year.

The backlog of manuscripts ready for publication grew to two issues during the late summer, but is now declining due to the smaller submission rate. Median publication time for the September–October issue was 15 months.

Council is taking action to further reduce the backlog during 1985. My hope is that in future years it will be possible to "fine tune" the rate of publication to keep publication times shorter. I estimate that manuscripts being submitted now will have a median publication time of 10 months to a year.

During 1985 a special issue on Alkaline Igneous Rocks will be published, and during 1986 a Dick Jahns Memorial Issue will be published. Gordon Brown and Rodney Ewing will serve as special Associate Editors. Manuscripts for the Jahns Issue will deal with the mineralogy or petrology of granitic pegmatites and related granitic rocks.

The thirteen associate editors have been most helpful in the work of handling manuscripts, reviews, and revisions. I also thank the many reviewers of manuscripts. Alexander Navrotsky, David Hewitt, and Gerald Czamanske complete their terms this year, and I am especially grateful for their service.

Linda Dungan continues to do a fine job as Managing Editor. The Council and President Prewitt have been very helpful and supportive. The Business Office, especially Barbara Minich, have helped to make it a very good year.

M. J. Holdaway

Table 1. Summary of operations of The American Mineralogist

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<th>Volume</th>
<th>Number of Articles</th>
<th>Number of Pages</th>
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<td>69 11-12</td>
<td>24</td>
<td>199</td>
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Manuscripts accepted 46
Manuscripts under review 91
Manuscripts rejected 35
Manuscripts withdrawn 15

REFERENCES 1984


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LIST OF FORMER OFFICERS AND MEETING PLACES

Honorary Presidents
Edward S. Dana 1925–1935
Charles Palache 1949–1954
Edward H. Kraus 1955–1973

1920 Edward H. Kraus
1921 Charles Palache
1922 Thomas L. Walker
1923 Edgar T. Wherry
1924 Henry S. Washington
1925 Arthur S. Eakle
1926 Waldemar T. Schaller
1927 Austin F. Rogers
1928 Esper S. Larsen
1929 Arthur L. Parsons
1930 Herbert E. Merwin
1931 Alexander H. Phillips
1932 Alexander N. Winchell
1933 Herbert F. Whitlock
1934 John E. Wolff
1935 Clarence S. Ross
1936 William S. Bayley

1937 Norman L. Bowen
1938 Ellis Thomson
1939 Max N. Short
1940 William F. Foshag
1941 Frederick E. Wright
1942 Arthur F. Buddington
1943 John F. Schairer
1944 R. C. Emmons
1945 Kenneth K. Landes
1946 Paul F. Kerr
1947 M. J. Buerger
1948 M. A. Peacock
1949 John W. Gruner
1950 George Tunell
1951 A. Pabst
1952 Michael Fleischer
1953 J. D. H. Donnay

1954 Sterling B. Hendricks
1955 Harry H. Hess
1956 Clifford Frondel
1957 D. Jerome Fisher
1958 George E. Goodspeed
1959 Ralph E. Grim
1960 Joseph Murdoch
1961 E. F. Osborn
1962 Ian Campbell
1963 C. S. Hurlbut, Jr.
1964 Leonard G. Berry
1965 George T. Faust
1966 Brian H. Mason
1967 Felix Chayes
1968 James B. Thompson
1969 Francis J. Turner
1970 William F. Bradley

1971 Julian R. Goldsmith
1972 Hatten S. Yoder, Jr.
1973 Joseph V. Smith
1974 S. W. Bailey
1975 Arnulf Muan
1976 E-an Zen
1977 F. Donald Bloss
1978 Peter J. Wylie
1979 David R. Wones
1980 W. Gary Ernst
1981 Gerald V. Gibbs
1982 Donald H. Lindsley
1983 Edwin Roedder
1984 Charles T. Prewitt

Presidents
1944 R. C. Emmons
1945 Kenneth K. Landes
1946 Paul F. Kerr
1947 M. J. Buerger
1948 M. A. Peacock
1949 John W. Gruner

Vice Presidents
1940 Ian Campbell
1941 William J. McCaughey
1942 Martin J. Buerger
1943 John W. Gruner
1944 Harry Berman
1945 George Tunell
1946 B. H. Hendricks
1947 Carl Tolman
1948 A. Pabst
1949 J. D. H. Donnay
1950 Ralph E. Grim
1951 Michael Fleischer
1952 J. D. H. Donnay
1953 Sterling B. Hendricks

Editors
1920–1921 Edgar T. Wherry
1922–1956 Walter F. Hunt
1957–1961 Lewis S. Ramsdell
1961–1966 E. Wm. Heinrich
1966–1972 William T. Holser
1972–1975 F. Donald Bloss
1976–1980 Brian Mason
1981– Michael J. Holdaway

Secretaries
1920–1922 Herbert P. Whitlock
1923–1933 Frank R. Van Horn
1933–1934 Albert B. Peck
1934–1944 Paul F. Kerr
1944–1959 C. S. Hurlbut, Jr.
1959–1966 George Switzer
1966–1969 Ralph J. Holmes
1970–1971 Arnulf Muan
1972–1975 Joan R. Clark
1976–1979 Larry W. Finger
1980–1983 M. Charles Gilbert
1984– Henry O. A. Meyer

Treasurers
1920–1923 Albert B. Peck
1924–1929 Alexander H. Phillips
1929–1930 Albert B. Peck
1930–1940 Waldemar T. Schaller
1941–1958 Earl Ingerson
1958–1968 Marjorie Hooker
1969–1972 Alvin Van Valkenburg, Jr
1973–1974 Philip M. Bethke
1976–1980 Malcolm Ross
1981–1984 Odette B. James

1971 Hatten S. Yoder, Jr.
1972 Joseph V. Smith
1973 S. W. Bailey
1974 Arnulf Muan
1975 E-an Zen
1976 F. Donald Bloss
1977 Peter J. Wylie
1978 David R. Wones
1979 W. Gary Ernst
1980 Gerald V. Gibbs
1981 Donald H. Lindsley
1982 Edwin Roedder
1983 Charles T. Prewitt
1984 Hans. P. Eugster

1970 Julian R. Goldsmith

1920–1921 Edgar T. Wherry
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1957–1961 Lewis S. Ramsdell
1961–1966 E. Wm. Heinrich
1966–1972 William T. Holser
1972–1975 F. Donald Bloss
1976–1980 Brian Mason
1981– Michael J. Holdaway

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COUNCILORS

1921 Frank R. Van Horn, Frederick E. Wright, Alexander H. Phillips, Austin F. Rogers.
1922 Frederick E. Wright, Alexander H. Phillips, Austin F. Rogers, Thomas L. Watson.
1923 Alexander H. Phillips, Austin F. Rogers, Thomas L. Watson, Esper S. Larsen.
1924 Austin F. Rogers, Thomas L. Watson, Esper S. Larsen, Arthur L. Parsons.
1925 Thomas L. Watson, Esper S. Larsen, Arthur L. Parsons, William F. Foshag.
1930 Alexander N. Winchell, Ellis Thomson, Clarence S. Ross, Paul F. Kerr.
1931 Ellis Thomson, Clarence S. Ross, Paul F. Kerr, William S. Bayley.
1964 Francis J. Turner, Hatten S. Yoder, Jr., W. F. Bradley, Howard T. Evans, Jr., Harold L. James, Joseph V. Smith.
1970 F. Donald Bloss, Charles L. Christ, W. Gary Ernst, Gunnar Kullerud, David R. Wones, Peter J. Wylie.
1971 W. Gary Ernst, Gunnar Kullerud, David R. Wones, Peter J. Wylie, Sturges W. Bailey, George Switzer.

Annual Meeting Places

1920 Chicago, Illinois
1921 Amherst, Massachusetts
1922 Ann Arbor, Michigan
1923 Washington, D.C.
1924 Ithaca, New York
1925 New Haven, Connecticut
1926 Madison, Wisconsin
1927 Cleveland, Ohio
1928 New York, New York
1929 Washington, D.C.
1930 Toronto, Canada
1931 Tulsa, Oklahoma
1932 Cambridge, Massachusetts
1933 Chicago, Illinois
1934 Rochester, New York
1935 New York, New York
1936 Cincinnati, Ohio
1937 Washington, D.C.
1938 New York, New York
1939 Minneapolis, Minnesota
1940 Austin, Texas
1941 Boston, Massachusetts
1942 No meeting held
1943 No meeting held
1944 No meeting held
1945 Pittsburgh, Pennsylvania
1946 Chicago, Illinois
1947 Ottawa, Canada
1948 New York, New York
1949 El Paso, Texas
1950 Washington, D.C.
1951 Detroit, Michigan
1952 Boston, Massachusetts
1953 Toronto, Canada
1954 Los Angeles, California
1955 New Orleans, Louisiana
1956 Minneapolis, Minnesota
1957 Atlantic City, New Jersey
1958 St. Louis, Missouri
1959 Pittsburgh, Pennsylvania
1960 Denver, Colorado
1961 Cincinnati, Ohio
1962 Houston, Texas
1963 New York, New York
1964 Miami Beach, Florida
1965 Kansas City, Missouri
1966 San Francisco, California
1967 New Orleans, Louisiana
1968 Mexico City, Mexico
1969 Atlantic City, New Jersey
1970 Milwaukee, Wisconsin
1971 Washington, D.C.
1972 Minneapolis, Minnesota
1973 Dallas, Texas
1974 Miami Beach, Florida
1975 Salt Lake City, Utah
1976 Denver, Colorado
1977 Seattle, Washington
1978 Toronto, Canada
1979 San Diego, California
1980 Atlanta, Georgia
1981 Cincinnati, Ohio
1982 New Orleans, Louisiana
1983 Indianapolis, Indiana
1984 Reno, Nevada

Recipients of the Roebing Medal

1937 Charles Palache
1938 Waldemar T. Schaller
1940 Leonard James Spencer
1941 Esper S. Larsen, Jr.
1945 Edward H. Kraus
1946 Clarence S. Ross
1947 Paul Niggli
1948 William Lawrence Bragg
1949 Herbert E. Merwin
1950 Norman L. Bowen
1952 Frederick E. Wright
1953 William F. Foshag
1954 Cecil Edgar Tilley
1955 Alexander N. Winchell
1956 Arthur F. Buddington
1957 Walter F. Hunt
1958 Martin J. Buerger
1959 Felix Machatschki
1960 Tom F. W. Barth
1961 Paul Ramdohr
1962 John W. Gruner
1963 John Frank Schairer
1964 Clifford Frondel
1965 Adolf Pabst
1966 Max H. Hey
1967 Linus Pauling
1968 Tei-ichi Ito
1969 Fritz Laves
1970 George W. Brindley
1971 J. D. H. Donnay
1972 Elburt F. Osborn
1973 George Tunell
1974 Ralph E. Grim
1975 Michael Fleischer
1976 Carl W. Correns
1977 Raimond Castaing
1978 James B. Thompson
1979 W. H. Taylor
1980 Dmitrii Sergeevich Korzhinskii
1981 Robert M. Garrels
1982 Joseph V. Smith
1983 Hans P. Eugster
1984 Paul B. Barton, Jr.

Recipients of the Mineralogical Society of America Award

1951 Orville F. Tuttle
1952 Frederick H. Stewart
1953 L. H. Ahrens
1954 Hatten S. Yoder, Jr.
1955 Julian R. Goldsmith
1956 George C. Kennedy
1957 Rustum Roy
1958 Charles E. Weaver
1959 Harry F. W. Taylor
1960 Donald L. Graf
1961 Joseph V. Smith
1962 Douglas S. Coombs
1963 Nobuo Morimoto
1964 William S. Fyfe
1965 Peter J. Wylie
1966 David B. Stewart
1967 Alfred E. Ringwood
1968 Barclay Kamb
1969 W. Gary Ernst
1970 Bernard W. Evans
1971 Robert A. Berner
1972 Arthur L. Voetcher
1973 Paul Brian Moore
1974 James J. Papike
1975 Roger G. Burns
1976 Friedrich A. Seifert
1977 J. G. Liou
1978 J. Stephen Huebner
1979 Ho-Kwang Mao
1980 Susan Werner Kieffer
1981 Alexandra Navrotsky
1982 Robert M. Hazen
1983 David R. Veblen
1984 Bernard J. Wood