

PROCEEDINGS OF THE MINERALOGICAL SOCIETY FOR 1969

Excerpt minutes of Council meeting held in the apartments of the Geological Society, Burlington House, London W.1, 9 January 1969, at 3 p.m., the President, Prof. W. A. Deer, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Mr. Carlton Earle Davis, Miss Jean Denise Gerson, Miss Anne Elizabeth Gough, Dr. Togwell Alexander Jackson, Dr. H. Wayne Leimer, Dr. Ian Nichol, Mr. Christopher Leonard Peers, Mr. Derek Richard Alexander Rushton, Mr. Eric Leslie Stevens, Mr. William Albert Taylor, Mr. Pei-Lin Tien, Dr. Marie-Clair Van Oosterwyck-Gastuche, Mr. Alexander McBride Williams.

The death of Prof. S. I. Tomkeieff was reported with regret.

The resignations of Mr. I. L. Elliott, Mr. D. N. Holt, Mr. R. P. Miller, and Mr. B. D. Mitchell were accepted with regret.

Reports were received from the Treasurer, Editors, Publications Committee, Clay Minerals Group, and Sub-committee on Applied Mineralogy.

Anniversary Meeting, held in the apartments of the Geological Society, 9 January 1969, at 5 p.m., the President, Prof. W. A. Deer, in the Chair.

The elections of Ordinary Members previously made by the Council were confirmed.

The General Secretary read the Annual Report of Council for 1968-9; this was published in the Society's Bulletin, no. 1, February 1969.

A vote of thanks to the Geological Society for the use of their rooms was carried with acclamation.

The President then read the list of Officers and Council for 1969 elected in accordance with By-Law 20:

President: W. A. Deer

Treasurer: A. A. Moss

Foreign Secretary: G. F. Claringbull

Publications Manager: B. R. Young

Managing Trustees: G. F. Claringbull, B. R. Young

Ordinary Members of Council: S. O. Agrell, J. A. Bain, J. R. Butler, W. R. Dearman, W. S. Fyfe, J. E. T. Horne, B. S. Neumann, M. J. O'Hara, H. P. Rooksby, H. F. W. Taylor, G. P. L. Walker, E. J. W. Whittaker.

Vice-Presidents: A. F. Seager, J. Zussman

General Secretary: A. C. Bishop

Editor of the Magazine: M. H. Hey

Editor of the Abstracts: R. A. Howie

A vote of thanks to the retiring Officers and Members of Council was carried with acclamation.

Prof. G. M. Brown delivered a lecture on the mineralogy of layered basic intrusions.

A joint meeting of the Society and the Royal Microscopical Society was held in the rooms of the Geological Society, 10 January 1969, Speakers included:

D. H. Bowen on Application of electron microscopy in mineralogy and ceramics.

S. H. U. Bowie and N. F. M. Henry on Limits of accuracy in reflectivity measurements.

W. Gutt on Hot-stage microscopy.

J. Long on Role of electron-microprobe analysis.

H. Piller on Quantitative measurements of reflectivity with a microscope.

D. G. Murchison on Optical properties of uranium oxides.

F. Smith on Known methods of examining polished surfaces.

Excerpt minutes of Council meeting held in the apartments of the Geological Society, 6 March 1969, at 3 p.m., Prof. J. Zussman, Vice-President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Mr. Joseph Bruce Alexander, Mr. Robert Beeson, Dr. Peter McAllister Dryburgh, Mr. Robert Ward Gloyn, Mr. Ian Martin Hodgson, Prof. Bernard Kubler, Mr. Richard James Merriman, Dr. Charles A. Olivier, Mr. Gilbert Arthur Phillimore, Dr. Phillip Sydney Rogers, Dr. Richard Henry Sillitoe, Mr. John Edmund Thomas, Mr. Arthur Harold John Todd.

Mr. Peter Robert Simpson was provisionally elected an Associate Member.

The resignations of Mrs. B. J. Cahill, Mr. J. W. Cole, Prof. R. Hocart, Mr. R. O. Heckroodt, Dr. E. A. Retief, and Dr. G. R. Rigby were accepted with regret.

The following members were removed from membership under Bye-Law 8: B. E. J. Brehler, W. D. Johns, G. Mueller, S. B. McCaleb, R. Norin, A. G. Seidov, M. Slaughter, W. R. Smith, and R. A. Van Nordstrand.

Reports were received from the Treasurer, the Editors, and the Publications Committee.

General Meeting held in the apartments of the Geological Society, 13 March 1969, at 4.30 p.m., Prof. J. Zussman, Vice-President, in the Chair.

The elections of Associate and Ordinary Members previously made by Council were confirmed.

The following papers on the theme 'Variation diagrams and distribution coefficients' were read and discussed:

G. M. Brown on Chemical variation diagrams for igneous rocks—a review.

P. G. Harris on The use of partly glassy rocks in variation diagrams.

T. H. Pearce on The interpretation of natural chemical data in variation diagrams.

E. J. W. Whittaker on A modified thermodynamic approach to ionic distribution coefficients.

C. M. B. Henderson on Element distribution coefficients for minerals of igneous rocks.

T. Seward on An experimental study of transition-metal distribution between diopside and a silicate melt.

M. P. Atherton on Distribution coefficients in metamorphic mineral assemblages containing garnet.

B. J. Squire on Distribution coefficients for precipitated ferrous carbonate.

P. Henderson on Distribution coefficients of transition elements and strontium in basic igneous rocks.

The third annual conference on 'The study of minerals and artificial materials in polished section on the micro scale' was organized jointly by the Mineralogical-Petrological Club of the Geological Society of Denmark and the Subcommittee on Applied Mineralogy of the Society, and was held in Copenhagen, 2 and 3 May 1969.

Excerpt minutes of Council meeting held in the apartments of the Geological Society, 5 June 1969 at 2.30 p.m., Prof. J. Zussman, Vice-President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Dr. Gary McGregor Boone, Dr. Alan Victor Bromley, Mrs. Jane Margaret Brown, Mrs. Maryellen Cameron, Dr. David Samuel Coleman, Dr. Brian Bertram Guy, Dr. Jean-Hugues Guillon, Dr. George Hornung, Mr. Stuart Gordon McRae, Miss Giselle Frances Marriner, Mr. Frank Raymond Noble, and Mr. Martin Roger Stoakes.

The deaths of Prof. R. M. Denning and Mr. S. Melmore were reported with regret.

The resignations of Dr. E. B. Gross and Dr. A. J. Hammer were accepted with regret.

Reports were received from the Treasurer, the Editors, the Publications Committee, the Clay Minerals Group, and the Subcommittee on Geochemistry.

A Policy Statement was approved for publication in the Society's Bulletin (no. 2, July 1969).

General meeting held in the Department of Chemistry, University of Aberdeen, 18–21 September 1969.

The elections of Ordinary Members previously made by the Council were confirmed.

The following papers were read and discussed (abstracts in Bulletin no. 2, July 1969):

P. Gay on Order and disorder in feldspar minerals.

J. D. C. McConnell on Electron optical study of order–disorder in minerals.

P. E. Champness and P. Gay on The low-temperature oxidation of olivines.

F. R. Noble on A study of disorder in kaolinite.

J. D. C. McConnell on The thermodynamic implications of antiphase domain structure in the intermediate plagioclase feldspars.

H. P. Rooksby, C. A. Wallace, and B. J. Isherwood on Order–disorder phenomena associated with antiferromagnetics, ferroelectrics, and polytypes.

P. E. Champness on The transformation manganite \rightarrow pyrolusite, γ -MnOOH \rightarrow MnO₂.

B. Velde on Evidence for ordering in margarite.

F. W. D. Woodhams and Osvald Knop on Mössbauer studies of pentlandite.

C. S. Hogg and R. E. Meads on Observations of octahedral ordering of ferrous iron in micas by Mössbauer spectroscopy (vol. 37, p. 606).

A joint meeting with the Royal Microscopical Society on The use of the electron microscope in the study of materials was held at the University of Manchester on 25 and 26 September 1969.

Excerpt minutes of Council meeting held at the British Museum (Natural History), London SW. 7, 6 November 1969, at 3 p.m., the President, Prof. W. A. Deer, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Dr. Philip Hauge Abelson, Mr. Khaled Ibrahim Al-Turki, Dr. Edward Clair Appleyard, Mrs. Sharon Lee Werner Bachinski, Mr. Derek Charles Bain, Dr. Brian John Burley, Prof. Charles Wilson Burnham, Mr. Stephen Andrew Butler, Prof. Max Fleming Carman, Prof. George Y. Chao, Mr. Graeme Ogg Churchard, Mr. Andrew Martin Clark, Mr. Robert James Lindsay Colvine, Mr. Alan John Criddle, Dr. Lawrence Robert Davidson, Dr. George Albert Desborough, Mr. Morris Bernard Duggan, Dr. Robert Arthur Edge, Prof. Wallace Gary Ernst, Dr. Luca Fanfani, Mr. Samuel John Freeth, Dr. Stefan Graeser, Mr. John Hansen, Dr. Anna Maritta Hietanen-Makela, Miss Lynda Patricia Holmes, Dr. Christopher Vincent Jeans, Dr. Abiodun Adebawale Kayode, Dr. Heinrich Kromer, Prof. Othon Henry Leonardos, Dr. Raymond Macdonald, Mr. Bent Nordahl Madsen, Mr. John Dixon Morton, Dr. Philip Moore Orville, Mr. David Cyril Owen, Mr. Andrew Frank Perkins, Dr. Gaston Pouliot, Dr. Joost Quakernaat, Mr. Kevin William Richardson, Mr. Edward Robert Dalton Scott, Prof. George Thomas Stone, Mr. Andrew Stott, Dr. Jaroslav Švenek, Mr. Geoffrey Robert Taylor, Dr. George Arthur Roger Till, Dr. Robert James Traill, Dr. Lowell Thomas Trembath, Dr. Raffaello Cesare Trigila, Dr. Allan Charles Turnock, Prof. Alexis Volborth, Dr. John Patteson Wehrenberg, Dr. Ray Everett Wilcox, Dr. Sidney Arthur Williams, Mr. Ian Richard Wilson, and Dr. E-an Zen.

The deaths of Prof. H. von Eckermann, Prof. H. H. Hess, and Prof. H. Kuno were noted with regret.

The resignations of Mr. B. W. Collins and Dr. I. Nichol were accepted with regret.

Reports were received from the Treasurer, the Editors, the Publications Committee, the Clay Minerals Group, and the Subcommittee on Geochemistry.

Special General Meeting held at the British Museum (Natural History) on 6 November 1969 at 4.55 p.m., the President, Prof. W. A. Deer, in the Chair.

The alterations to the Bye-Laws proposed by Council and published in the Society's Bulletin, no. 2, July 1969, were put to the meeting and carried *nem. con.*

The elections of Ordinary Members previously made by Council were confirmed.

The following papers were read and discussed:

- J. V. Smith, D. A. Stephenson, R. A. Howie, and M. H. Hey on Relations between cell dimensions, chemical composition, and site preference of orthopyroxene (vol. 37, p. 90).
- P. Hartman on Can Ti^{4+} replace Si^{4+} in silicates? (vol. 37, p. 366).
- Robert Hutchison on Genesis of ultramafic xenoliths and composition of the upper mantle (to appear in vol. 37, no. 290, June 1969).
- A. A. Moss, E. E. Fejer, and P. G. Embrey on the X-ray identification of amblygonite and montebbrasite (vol. 37, p. 414).