

NOTICES

INTERNATIONAL MINERALOGICAL ASSOCIATION

The fifth general meeting of the Association will be held in the Department of Mineralogy and Petrology, University of Cambridge, Downing Place, Cambridge, England, in 1966.

Participants will arrive on Tuesday, August 30th, and the meeting will end at 5 P.M. on Saturday, September 3rd.

1. Accommodation

Participants can have rooms and all meals at £3 per day per person in St. John's College, or live in hotels, or have room and breakfast in hotels with lunch and dinner in the College.

Provision will be made in College for those who wish to stay overnight on September 3rd and September 4th.

2. Registration

Those wishing to attend the session are asked to write at their early convenience to:

The Local Secretary, I.M.A. Meeting,
Department of Mineralogy and Petrology,
Downing Place, Cambridge, England.

A form for registration will then be sent to the applicants. The registration fee of £2 per member is payable, along with the bill for board and lodging, on arrival in Cambridge.

Early application is desirable, especially for members wishing to take part in an excursion.

3. Excursions

Field trips are planned to two areas, one excursion being to south-west England, including Devon and Cornwall, and the other to northern England centred on Durham and covering the northern Pennines and the eastern Lake District.

Because of accommodation difficulties in the holiday season it has proved necessary to limit each excursion to approximately 35 persons. It is therefore proposed to run each excursion twice, once before and once after the Cambridge meeting.

Accommodation and transport problems make it essential that early reservations be made and applications for excursion places should be made as soon as possible and not later than April 30th, 1966. A booking fee in the form of a deposit of £5 should be paid to the Local Secretary, I.M.A. Meeting, Department of Mineralogy and Petrology, Downing Place, Cambridge, England. This fee will be returnable if the application is cancelled up to April 30th, 1966, and £2 10s. returnable up to July 1st, 1966. Full excursion fee is to be paid by July 1st. The cost of the excursion is not yet fixed but will be £15-£25. The precise figure will be notified in a later announcement.

Southern Field Trip to South-West England

SATURDAY, August 27th. Assemble at Paddington railway station (Platform 1), London, at 9 A.M. Travel to Bristol by train, transfer to bus to visit Yate (celestine deposits) and the Mendips (lead mineralization).

SUNDAY, August 28th. Meldon, Okehampton, Devonshire, on northern margin of Dartmoor granite (aplite with pegmatite lenses, metamorphosed and mineralized cherts, metasomatized limestones and tuffs). Roche area, near St. Austell, Cornwall (tourmaline-quartz rock, topaz rock, etc.).

MONDAY, August 29th. South-west Cornwall, Lizard (serpentinite), Penzance area (mineralized veins in greenstone), Porthleven (pegmatites rich in apatite, tourmaline, etc.).

It is also hoped to arrange visits to a local museum and to either a tin mine or a China Clay pit.

TUESDAY, August 30th. Train Penzance-London-Cambridge.

The same excursion will be repeated, starting in Cambridge by bus leaving at 9 A.M. on Monday, September 5th, and ending at Paddington Station, London, in the early evening of September 8th.

Northern Field Trip to Northern Pennines

Assemble in Durham in the late afternoon of Friday, August 26th, at St. Mary's College (1 P.M. train from King's Cross station, London, would be suitable).

SATURDAY, August 27th, to Monday, August 29th. Caledonian tungsten and titanium minerals at Carrock Fell, Cumberland; the zoned lead-zinc-fluorine-barium deposits of the Northern Pennines; the Rookhope borehole; Permian Magnesium Limestone in east Durham.

TUESDAY, August 30th. Travel to Cambridge.

The excursion will be repeated after the Cambridge meeting, when participants will assemble at Grey College, Durham, on the late afternoon of Sunday, September 4th. Those wishing to spend Sunday sight-seeing in Cambridge should travel to Durham by the over-night sleeper from London. The excursion will disperse from Durham on the morning of Thursday, September 8th.

4. Program at Cambridge

TUESDAY, August 30th. Welcoming Reception 5:30 P.M., St. John's College.

WEDNESDAY, August 31st. Meeting of Council and Commissions (morning and afternoon).

5 P.M. First Business meeting.

Report of Officers, Reports of Committee Chairmen, New Business.

Evening Session 8:30-10:45 P.M.

Problems of the Quantitative Measurement of Reflectivity under the Chairmanship of Professor W. Uytendogaardt, Dr. A. F. Hallimond and Professor E. N. Cameron.

THURSDAY, September 1st. Symposium 1. Crystal growth with special reference to minerals *or* Bonding Forces in Mineral Structures.

Chairman/Editor, Professor R. Kern, Laboratoire de Mineralogie et Cristallographie, Université de Nancy.

FRIDAY, September 2nd. Open Session—for other topics of interest to mineralogists.

Chairmen/Editors, Dr. B. Mason, Smithsonian Institute, U. S. National Museum, Washington, D.C. (Abstracts from Western Hemisphere).

Dr. H. Neumann, Mineralogisk-Geologisk Museum, Oslo (Abstracts from Eastern Hemisphere).

7:30 P.M. Banquet, St. John's College.

SATURDAY, September 3rd. Symposium 2. Pyroxenes and/or Amphiboles.

Chairman/Editor, Dr. P. Gay, Department of Mineralogy and Petrology, Downing Place, Cambridge.

4:00 P.M. Second Business Meeting.

Reports of Chairmen of Commissions; other business.

SUNDAY, September 4th. The start of the post-Cambridge meeting excursions has been postponed one day to enable participants to visit points of interest around Cambridge.

5. Contributions

Abstracts (not exceeding 250 words) of papers for the Symposium and the Open Session should be in the hands of the Chairmen/Editors not later than April 30th, 1966.

6. Program for Ladies

Arrangements will be made on an informal basis for visits to points of interest in Cambridge to suit the wishes of visiting ladies.

(An earlier circular concerning the program of the Cambridge meeting was contained in Mineralogical Society Notice No. 138, issued September 2nd, 1965.)

INTERNATIONAL CONFERENCE ON CRYSTAL GROWTH BOSTON, MASSACHUSETTS, U.S.A., 20-24 JUNE, 1966

An International Conference on Crystal Growth will be held in Boston, Massachusetts, June 20-24, 1966. The conference will be of interest to theoretical and experimental physicists, chemists, crystallographers, metallurgists, mineralogists and ceramists working in crystal growth.

The purpose of the conference is to further basic understanding of the science of crystal growth. The scope of the meeting will include (1) molecular mechanisms and transport processes in crystallization, both theoretical and experimental research dealing with the quantitative aspects of nucleation or growth, (2) growth of metals and semiconductors, (3) growth of nonmetals including organic minerals and crystals, (4) techniques and (5) physical properties associated with growth parameters.

Only refereed contributions will be admitted for presentation. The proceedings will be published as a special issue of *The International Journal of the Physics and Chemistry of Solids*. The deadline for extended abstracts is February 1, 1966.

The conference will be sponsored by the Air Force Cambridge Research Laboratories and the Solid State Commission of the International Union of Pure and Applied Physics. The chairman of the conference is Dr. M. Schieber, MIT National Magnet Laboratory. Inquiries and requests to be included on the mailing list should be directed to the Conference Secretary, International Conference on Crystal Growth, 40 Acorn Park, Cambridge, Massachusetts 02140, U.S.A.

FIFTH NATIONAL MEETING SOCIETY FOR APPLIED SPECTROSCOPY

The Fifth National Meeting of the Society for Applied Spectroscopy will be held at the Sheraton-Chicago Hotel, Chicago, Illinois during the inclusive period from June 13-17, 1966. Original papers are being solicited in all areas of theoretical and applied spectroscopy and gas chromatography, including x-ray spectroscopy, arc-spark emission, flame emission, atomic absorption, infrared, ultraviolet, visible, Raman, far infrared, NMR-EPR, nuclear particle spectroscopy, activation analysis and solid state spectroscopy.

Anyone desiring to present a paper is encouraged to submit a brief abstract of not more

than 200 words to Dr. E. Lanterman, Program Co-chairman at Borg-Warner, Des Plaines, Ill. Titles and abstracts will be accepted up to the deadline date of March 1, 1966.

Being conducted concurrently with the meeting will be an extensive exhibit of the most modern instrumentation in the fields of spectroscopy and chromatography.

INSTITUTE OF LAKE SUPERIOR GEOLOGY

The Mineralogical Society of America is joining with other societies to participate in the annual meeting of the Institute of Lake Superior Geology. Details include:

Meeting Place: Sault Ste. Marie, Michigan; Michigan Tech. Univ., Sault Ste. Marie Branch Campus

Time:

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| Mineralogical Society of America Field Trip | May 4-5, 1966 |
| Technical Sessions | May 6-7(AM) 1966 |
| Society of Economic Geologists, Field Trip | May 7(PM)-8, 1966 |

Abstracts:

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| Deadline: | March 1, 1966 |
| Send to: | Professor A. K. Snelgrove Department of Geology Michigan Technical University Houghton, Michigan 49931 |

The American Crystallographic Association is starting a new publication entitled "*The Transactions of the American Crystallographic Association.*" The publication will report symposia at ACA meetings. The first volume reports the symposium on "Accuracy in X-ray Intensity Measurement" which was held at Suffern, New York in February, 1965. Authors of papers in this first issue are: B. W. Batterman, W. C. Hamilton, W. H. Zachariasen, R. A. Young, T. C. Furnas, Jr., and J. Ladell. Sidney Abrahams is the editor of this issue.

The publication will be distributed free to members of the American Crystallographic Association. Libraries and non-members may obtain copies from Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pennsylvania 15238. The first volume is priced at \$3.50.

Dr. Edward H. Kraus, Honorary President of The Mineralogical Society of America, celebrated his 90th birthday on December 1, 1965. *The American Mineralogist*, on behalf of the Society, extends to him congratulations and best wishes. Coincidentally, but appropriately, this number carries an article on the structure of krausite, a mineral named in his honor.

F. S. Grimaldi and R. E. Stevens of the U. S. Geological Survey received Distinguished Service Awards of the Department of Interior on July 15. Stevens has retired from the

Federal service and is now in charge of organizing a chemical laboratory for the Geological Survey of Iran, Tehran.

Dr. George Washington Morey, of the U. S. Geological Survey and formerly of the Geophysical Laboratory of the Carnegie Institution of Washington, passed away in his sleep on the morning of October 3, 1965. He was born on January 9, 1888.

Prof. Lawrence Rickard Wager died November 20, 1965. He was born February 5, 1904 and was Professor of Geology at Oxford University since 1950.