

COMMISSION ON ORE MICROSCOPY

International Mineralogical Association

MINUTES OF MEETING HELD IN VARNA, BULGARIA
ON 22 SEPTEMBER 1982

COM Representatives present:

Austria, E.F. Stumpf1; Bulgaria, Y. Minceva-Stefanova; Canada, L.J. Cabri; Czechoslovakia, B. Fojt; France, B.D. Cervelle; F.R. Germany, A. Thauer; Japan, A. Sugaki; The Netherlands, A.N. Van der Veen; Portugal, O. Gaspar; Spain, P. Fenoll Hach-Ali; United Kingdom, R. Phillips; USA, J.R. Craig; USSR, T. Shadlun.

Observers:

E.A.J. Burke and W. Uytendogaardt, The Netherlands; N. Bortnikov and N. Mozgova, USSR; B.F. Leonard, USA; T.H. Weiser, F.R.G.; D.J. Vaughan and A.J. Criddle, U.K.; M. Zakrzewski, The Netherlands.

1. OPENING STATEMENT

In the absence of the COM Chairman, the Secretary, E.F. Stumpf1, presided. He welcomed representatives and observers, and extended thanks to Bulgarian colleagues for their hospitality.

2. MINUTES OF MEETING held in Orléans, France, on 4 July, 1980

These have been circulated and were published in *Economic Geology*, volume 76, page 539 (1981). In the absence of amendments or other suggestions, the minutes were accepted.

3. MATTERS ARISINGStatus of Silicon Standard for Reflectance

Data obtained on two-beam instruments using a Silicon Standard will be accepted by the Editor of the COM Quantitative Data File.

4. IMA/COM QUANTITATIVE DATA FILE (QDF): EDITOR AND TREASURER REPORT

The QDF-Second Issue Editor's Report, previously circulated, was presented by Alan Criddle and accepted. Highlights are the publication of the Reports on Symbols and Definitions and on Editorial Policy of the 2nd Issue of the QDF in *The Canadian Mineralogist*, volume 18, pages 549-551 and 553-558. The paucity of response to a request for data for the 2nd Issue of the QDF is not encouraging, and the Editor pleaded for more contributions as well as for revisions of data in the 1st Issue, which could then be incorporated in the 2nd Issue.

Alan Criddle reported that current assets to 31 July 1983 are £2,846.38 and requested a formal letter from IMA in order to comply with U.K. banking regulations for nonprofit organizations. The report was accepted with gratitude for the conscientious work, and it was agreed that formal approval from IMA should be obtained.

5. INTERLABORATORY POLISHING EXPERIMENT ON SILICON

Dr. Pauly has been congratulated on his report, but prior to endorsement by the COM, several technical points should be considered. For that purpose, a working group on polishing experiments under the chairmanship of Dr. Pauly has been established, with Dr. H. Bernhardt (F.R. Germany) and Mr. A. Criddle (U.K.) as members.

6. COMMITTEE ON SULFOSALTS (R. Phillips, Chairman)

Dr. Phillips reported that sulfosalt data are available on line in the U.K. and elsewhere to those with access to NUMAC (Northern Universities Multiple Access Computers). For those requesting more information or without computer access, specific queries will be answered free of charge by writing Dr. R. Phillips, Department of Geological Sciences, South Road, Durham DH13 1L2, U.K. The resignation of the present committee was accepted, and a new committee with Dr. N. Mozgova (USSR), Chairman, and Dr. Y. Moëlo (France), Secretary, was approved.

7. OFFICERS FOR THE 1982-1986 TERM

The new officers are introduced

Chairman: E.F. Stumpf1 (Austria)

Vice-chairman: B.F. Leonard (USA)

Secretary: B.D. Cervelle (France)

A.J. Criddle (U.K.) remains as Editor and Treasurer of the Quantitative Data File.

8. FUTURE ACTIVITIES

The following proposals to organize Summer Schools in Ore Microscopy have been made, and were welcomed by the Commission: 1) South America, 1984 (B.D. Cervelle in co-operation with the Brazilian National Representative, R. Ellert); 2) North America, 1985 (L.J. Cabri). Finally, a COM Symposium will be organized at Stanford (USA) during the 14th I.M.A. Meeting in 1986. All these proposals were accepted and encouraged.

W. Uytendogaardt stressed the need to hold Summer Schools in developing countries, and suggested India as a possible venue.

9. CHANGE OF NAME OF THE C.O.M.

B.D. Cervelle suggested that the name of the Commission be changed to "Commission on Ore Mineralogy", in order to reflect the increasing use of X-ray and microprobe techniques within the context of ore microscopic investigations. It was decided to distribute questionnaires to all National Representatives to obtain their views on this matter.

If a large consensus is obtained, the proposal to change the name, but not the abbreviation, will be sent to the I.M.A. Council for approval at the 14th I.M.A. Meeting in 1986 at Stanford (USA).

L.J. Cabri proposed to link this questionnaire with a draft of a constitution of the C.O.M.

10. These minutes of the Varna C.O.M. Meeting will be published in *Economic Geology* (USA), *Tschermaks Mineralogische und Petrographische Mitteilungen* (Springer, Vienna), and *The Canadian Mineralogist* (Canada).

B.D. Cervelle
Secretary, IMA/COM
December 1982

20th ANNUAL SHORT SUMMER COURSE IN X-RAY POWDER DIFFRACTION

The 20th annual two-week short course in modern X-ray powder diffraction will be offered at the State University of New York at Albany from June 20 to July 1, 1983. The course will be instructional and will develop the basic theory and techniques starting from elementary principles. No previous knowledge or experience is required. The first week will cover basic principles, techniques and practical applications, and the second week will continue with further fundamentals and practical applications. Emphasis in the first week will be on camera and film techniques, X-ray instrumentation, especially the diffractometer and its use, identification of powder patterns, multi-phase identification using several indices and fundamentals of quantitative analysis. The second week will cover more advanced principles and techniques with emphasis on diffractometer alignment, complex quantitative analysis, complex powder identifications, computer automation of diffractometers and computer search-match methods. Equal time will be devoted to lectures and problem-solving laboratory sessions. A suitable amount of time will be set aside for individual problems. Registration may be made for one week, either week, at a registration fee of \$800.00 or for the entire two-week session at a registration fee of \$1500.00 payable in U.S. dollars drawn on a U.S. bank.

For further information and to register, please communicate with:

Professor Henry Chessin
Department of Physics
State University of New York at Albany
1400 Washington Avenue
Albany, New York 12222, U.S.A.
(518) 457-8339

20th ANNUAL SHORT SUMMER COURSE IN X-RAY SPECTROMETRY

The 20th annual short course in modern X-ray spectrometry will be offered at the State University of New York at Albany from June 6 to June 13, 1983. The course will be instructional and will develop the basic theory and techniques starting from elementary principles. No previous knowledge or experience is required. The first week will cover basic principles, techniques and practical applications, and the second week will continue with further fundamentals and practical applications. Both weeks will illustrate and employ equally the wavelength-dispersive and energy-dispersive methods. Emphasis in the second week will be placed on advanced principles and techniques, absorption-enhancement corrections by several procedures including mathematical methods, computer calculations and computer automation of modern X-ray spectrometers. Equal time will be devoted to lectures and problem-solving laboratory sessions. Registration may be made for one week, either week, at a registration fee of \$800.00 or for the entire two-week session at a registration fee of \$1500.00 payable in U.S. dollars drawn on a U.S. bank.

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