

The MINERALOGICAL SOCIETY of AMERICA is sponsoring a
SHORT COURSE on FELDSPAR MINERALOGY

HOTEL UTAH, SALT LAKE CITY OCTOBER 17-19, 1975

immediately preceding the Annual Meeting of the G.S.A.

Short Course lecturers:

R.A. YUND (Brown)

J.V. SMITH (Chicago)

D.B. STEWART (U.S. Geol. Survey)

P.H. RIBBE (V.P.I.&S.U.)

This Short Course is intended for those who desire a fundamental review of feldspar mineralogy. Topics to be included are the crystal chemistry and structures of alkali and plagioclase feldspars; lattice parameter and optical property variations as functions of composition and Al/Si order-disorder; the effects of twinning, exsolution, and other domain textures on optical properties and x-ray and electron diffraction patterns; strained feldspars; chemical features of feldspars; iridescent phenomena; subsolidus phase equilibria of plagioclase and alkali feldspars with particular attention to coherency strain (coherent solvus), exsolution mechanisms (nucleation and spinodal decomposition), kinetics of exsolution, and changes in the microstructure as a function of time and temperature.

There will be three workshops: (1) The use of x-ray powder diffractometry in lattice parameter determination. (2) The use of single crystal x-ray techniques in the study of lattice parameters, twins, and strained or exsolved phases. (3) Transmission electron microscopy applied to the study of feldspars.

Lecture notes will be distributed to participants and subsequently will be made available for sale by the Mineralogical Society of America, suite 1000 lower level, 1909 K Street, N.W., Washington, D.C. 20006.

Applications for this limited enrollment course will be accepted upon receipt of the entire amount of the registration fee which is \$60 for MSA members, \$80 for non-members (students: \$30 and \$36, respectively).

The registration fee includes Short Course notes and two catered lunches. Non-members may designate part of their fee for membership in MSA. The fee is refundable up to September 30, 1975.

APPLICATION FORM -- SHORT COURSE on FELDSPAR MINERALOGY

NAME _____ POSITION _____

AFFILIATION _____

ADDRESS _____

ZIP _____

Member of M.S.A.? Yes [] No [] Student? Yes [] No []

Enclose your check for the entire registration fee and make it payable to "M.S.A. Short Course." Mail this form to

P.H. Ribbe, Convener
M.S.A. Short Course
Department of Geological Sciences
Virginia Polytechnic Institute & State Univ.
Blacksburg, Virginia 24061

1976 M.A.C. Short Course in Electron Microprobe Analysis, Edmonton, May 16th-18th

The course will be oriented towards persons who already have some basic familiarity with the theory and practice of the technique. Experts will provide an up-to-date survey of instrumentation, correction procedures, data handling, energy dispersive analysis, certain aspects of quantitative analysis, and a broad range of applications in the Earth Sciences. Quantitative analysis will be stressed throughout. Participants will receive a set of lecture notes prepared collaboratively by the lecturers giving the course.

There will be an introductory session on the Sunday evening which will be followed by two full days of intensive lectures and discussions, finishing at 8:00 pm on Tuesday May 18th. The registration fee has not yet been fixed but it is likely to be the order of \$100-\$150/person. It will include lecture notes, accommodation in University residences and all meals during the course.



NOTIFICATION OF INTEREST:

I am interested in attending the 1976 Short Course in Electron Microprobe Analysis and should like to be placed on the mailing list for further information as it becomes available.

Title Name

Company or Institution

Address
(Number (Street/Avenue) (City)

.....
(Province) (Country) (Postal Code)

Telephone Number
(Home) (Business)

If interested, please fill in the above information and return to:

Dr. D. G. W. Smith
Department of Geology
The University of Alberta
Edmonton, Canada T6G 2E1