

**PROCEEDINGS OF THE  
THIRTY-NINTH ANNUAL MEETING  
OF THE MINERALOGICAL ASSOCIATION  
OF CANADA**

The 39th annual meeting of the Mineralogical Association of Canada was held in conjunction with the annual meeting of the Geological Association of Canada as the Joint Annual Meeting WATERLOO'94, on May 16-18, at the University of Waterloo, Waterloo, Ontario. The 22nd MAC Short Course on "The Environmental Geochemistry of Sulfide Mine-Wastes" was organized by J.L. Jambor and D.W. Blowes and presented on campus preceding the meeting. The course is published as the Short Course Volume 22, available from the Business Office.

The meeting opened with a well-attended mineral show featuring displays and mineral dealers. The Technical Program included four Symposia, twenty-four Special Sessions and thirteen General Sessions, coordinated with poster presentations and exhibits. Several of the special sessions focused on aspects of Environmental Geology and Engineering, arising from the interest in environmental and groundwater studies at the University of Waterloo. The field trip program included a number of local excursions in and around the Waterloo area that complemented the environmental theme of the Special Sessions, and several extended further afield into the Grenville Province and to the Coldwell Alkaline Complex. Attendance at the meeting was 1059 professional registrants and accompanying guests.

The annual luncheon of the Mineralogical Association of Canada was held on Tuesday May 17, in the banquet rooms of the Village I complex. The Hawley Award for 1994, for the best paper in Volume 31 of *The Canadian Mineralogist*, was presented by Association President Fred J. Wicks, to Frank Hawthorne on behalf of coauthors Luciano Ungaretti, Roberta Oberti, Franca Caucia, and Athos Callegari for their three-paper series entitled "The Crystal Chemistry of Staurolite" (volume 31, part 3, pages 541-615, 1993). This is the second Hawley Medal for Frank Hawthorne, whose 1983 paper on "The crystal chemistry of the amphiboles" (volume 21, part 2, pages 173-480) also was recognized with the award. The Leonard G. Berry Medal, in recognition of distinguished service to the Association, was awarded to Ann Sabina in the year of her retirement as Treasurer of our Association, in recognition of 28 years of service. The Berry medal was presented by Vice President Roger Mitchell, and accepted on Ann's behalf by Fred Wicks. Our Ann Sabina Award for the best amateur collection shown in mineral club competition will continue to honor Ann's contribution to the Association and to public education in mineralogy and collecting. The Ann Sabina Award for 1993 was presented to Ruth Debicki in competition hosted by the Sudbury Mineral club. The 1994 Past Presidents' Medal for excellence in research was awarded to Roger Mitchell for his body of work on alkaline rocks. The award was presented to our current Vice President by Past President Peter Roeder. Citations for these medalists may be found in the pages that follow.

The Annual Business Meeting of the Mineralogical Association of Canada was held on Tuesday May 17, 1994, in the Arts Lecture Hall, room 105. Council and members offered their appreciation for a very successful and well-attended meeting to the Chairman, Alan Morgan, to the Vice Chairman Gwilym Roberts, and to all members of the Organizing Committee of WATERLOO'94. The University of Waterloo support for the Joint Annual Meeting, in spite of concurrent sessions of the summer Co-operative education programs, is appreciated. Minutes of the 1993 annual business meeting, published as proceedings in *The Canadian Mineralogist*, Volume 31, were approved.

The audited financial statement to December 31, 1993, prepared by R. Stuart Haslett, accountant, was presented in the Treasurer's report by Valerie Ansell. R. Stuart Haslett was reappointed, by motion, as auditor for 1994. At year end, member's equity stood at \$395,437, with a recovery of the Treasury Reserve Fund from the previous year's levels. No loss was incurred in publishing the journal in 1993. *The Canadian Mineralogist* fund showed an income of \$68,889 compared to the previous year's loss of \$12,402. The balance includes the second-year instalment of a three-year NSERC grant, but reflects the move toward self-sufficiency expected of the journal through its fee structure.

The Finance Committee presented a budget forecast to allow for increased cost of publishing the journal. The approved fee structure for 1995 is \$75 for Ordinary membership, \$30 for Student and Retired members, \$280 for Corporate membership and Libraries, and \$600 for a Sustaining membership. Starting in 1995, our corporate and Sustaining members will receive the Short-Course Series with their membership. Reorganization of the Canadian Geoscience Council may require consideration of additional costs, which would be indicated separately.

The Editor's Report, presented by Editor Robert Martin, previewed regular issues through December, with the second issue of 1995 as a special issue on Microbeam Techniques arising from the Edmonton meeting. In order to meet the expectation of an increased size of the journal, and to provide even more rapid publication from time of acceptance of manuscripts, *The Canadian Mineralogist* will be published as six issues per year beginning in 1995. A new cover will be designed to mark the new series. The change will be on the Dues Notice for 1995. Publication of the Short-Course volume will be co-ordinated by the new Short Course Editor, John Jambor.

Pierrette Tremblay was appointed chairperson of The Public Awareness of Science committee. The Association will produce a series of decorative posters on mineralogical themes and will develop other public-interest items to promote mineralogy and the Association. The Association continues its Student Conference Grant, which will be co-ordinated by Andy McDonald at Laurentian University. This grant is available to the co-ordinators of University Geology Conferences annually. Nominations are accepted from each Department of Geology for the annual student prize in mineralogy. The Association also continues to sponsor Egypt in the International Mineralogical Association.

Joint Annual Meetings will be held in Winnipeg in 1996, Ottawa in 1997, and Quebec in 1998. The fall meeting of MAC Council was held in Victoria on October 23, 1994; the next annual meeting and Business meeting of the MAC will be held in Victoria on the occasion of VICTORIA'95, May 17-19, 1995.

Minutes of the Annual Business Meeting and the MAC Council meetings may be obtained from the Secretary.

G.M. LeCheminant  
Secretary

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### THE HAWLEY MEDAL FOR 1994 TO FRANK HAWTHORNE, LUCIANO UNGARETTI, ROBERTA OBERTI, FRANCA CAUCIA AND ATHOS CALLEGARI

The Hawley Award is presented for what is judged to be the best paper to appear in *The Canadian Mineralogist* in a given year. The winners for 1994 are Frank C. Hawthorne, occasionally at the University of Manitoba, Luciano Ungaretti, Roberta Oberti, Franca Caucia and Athos Callegari of the CNR Centro di Studio per la Cristallografia e la Cristallografia, in Pavia, Italy.

The Committee felt that many excellent papers had been submitted to the journal, but were unanimous in agreeing that the series of three papers on "The Crystal Chemistry of Staurolite" by Hawthorne, Ungaretti, Oberti, Caucia and Callegari stood out as being of exceptionally high quality with regard to content and lasting value. Although the award is

normally given for a single paper, there is no doubt that this package of three papers should in reality be considered as a single submission, as they deal with the same crystallographic and crystal-chemical problems. This is only the second time the Hawley Medal has been presented for a series of papers.

Members of the committee believe that one of the most fruitful areas of mineralogical research is the detailed study of individual minerals to establish the relationship between composition and structure. The series of three papers cited probably constitute the best example of the information and understanding that can be obtained from such exhaustive studies, and will serve as a bench mark for further studies on this important metamorphic mineral.