

appointed by the President. The Committee shall include two members of the Council.

[Section] 4. Conferences jointly sponsored shall include two members of the Council, or their delegates, on the organizing committee.

[Section] 5. The Society shall disseminate technical information to its members and to the general materials community through a broad range of publication formats. Special issues of existing journals or monographs may be used to report the proceedings of its conferences. The Society [can] (may) establish official journals.

#### **Article VI - Finances**

[Section] 1. The annual dues shall be payable in advance, the amount to be determined by the Council. The dues shall be applied to the costs of the communications and the administration of the Society.

[Section] 2. The organizational committee of a conference shall ensure its financial support by the establishment of suitable registration fees and solicitation of institutional support. Financial obligations shall be approved by the Council.

[Section] 3. The records and an annual financial report of the Treasurer shall be examined each year by the Finance Committee, which shall arrange an annual audit.

[Section] 4. In the event of dissolution, disposal of funds shall be decided by the Council. Such funds are to be used only for the advancement of the purposes of the organization.

#### **Article VII - Amendments**

[Section] 1. Amendments to the Constitution may be proposed by the Council [for ratification by the membership] (and shall be submitted to the members for ratification).

[Section] 2. Amendments may be proposed to the Council by any fifteen (15) members. The council shall indicate whether it approves or disapproves, but in either case the amendments shall be submitted to the members for ratification.

[Section] 3. [The] (An) amendment is accepted if ratified by two-thirds of those members voting on it.

#### **Article VIII - Bylaws**

[Section] 1. The Council shall enact, by a majority vote, regulations or Bylaws to administer the Society.

[Section] 2. Amendments to the Bylaws shall be made by the Council and the membership notified. Any fifteen (15) members may petition the Council for a referendum on any such amendment or other action of the Council; such a referendum shall be submitted to the membership by mail ballot and must be approved by two-thirds of those voting on it.

#### **Article IX - Parliamentary Authority (and/or Procedure)**

[Section] 1. Should questions [or] (of) parliamentary authority (and/or procedure) arise, *Roberts' Rules of*

*Order* shall be followed.

#### **(Article X - Sections)**

(1. A section may be established to provide local forums for the interaction of scientists and engineers in various materials disciplines, and to promote the exchange and dissemination of information from the society. Establishment of a section, with a title depicting the region with which it is associated, will be authorized by the council.)

#### **(Article XI - Student Chapters)**

(1. Student Chapters may be established to foster discussion among students and faculty in the various materials disciplines, to generate student interest in materials science, and to promote the exchange and dissemination of information from the Society. A Chapter, with a title containing the name of the college or university with which it is associated, will be authorized by the Council.)

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## **FOURTH ION-BEAM CONFERENCE**

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The Fourth International Conference on Ion Beam Modification of Materials was held at Cornell July 16-20, and was attended by some 380 participants from the United States, Europe, Asia, and Australia. Topics ranged from ion implantation in metals and semiconductors to reactive ion etching and formation of fine line structures with ion beams. Organizer of the meeting (and recipient of the MRS's Von Hippel Award), Professor J.W. Mayer of Cornell, reports:

#### **Ion Beam Interaction**

"The emphasis of the conference was on physical processes and the materials science aspects of the interaction of ion beams with solids. In addition, there were oral presentations and posters on the applications of implantation to metallurgical problems of wear and corrosion, as well as to semiconductor structures.

"The conference opened with an analysis of New York State wines in the Johnson Art Museum overlooking Cayuga Lake and closed with the banquet address by Millie Dresselhaus on 'Education, Technology, and International Programs.' There were laboratory tours of the National Submicron Facility, the Cornell High Energy Synchrotron Source (CHESS), and the Rutherford Backscattering Facility."

#### **The Conference Series**

The conference series started in 1970 as "Ion Implantation in Semiconductors," chaired by Fred Eisen, and evolved to "Ion Beam Modification of Materials" in 1978, chaired by Jozsef Gyulai, in order to reflect the increased interest in the use of ion beams in the processing of metals, polymers, and ceramics.