

## Armstrong to Give Plenary Address at 1992 MRS Fall Meeting



John A. Armstrong, IBM vice president, science and technology, will address 1992 MRS Fall Meeting attendants in a special plenary session on Monday, November 30. In his talk, "The Changing Role of Research Both in Industry and the University," Armstrong will focus on the end of the Cold War, the related emergence of high technology competition on a global scale, and the subsequent necessity for reappraising the role of research in industry and academia.

In his current position as IBM vice president, science and technology, Armstrong is responsible for assuring the company's technological excellence and leadership in research. A member of IBM's Corporate Management Board, he also has management responsibility for the research division, technical strategy development, technical journals, professional relations, and technical personnel development.

Armstrong joined IBM in 1963. Starting in IBM Research, he subsequently worked at the IBM Research Laboratory in Zurich and served as manager of quantum optics at Yorktown. Later, as director of physical sciences, he assumed responsibility for a major part of the physics, chemistry, and materials science at IBM Research.

Following that, Armstrong was named manager of materials and technology development at the IBM East Fishkill development laboratory, where he worked on advanced bipolar technology and associated packaging. In 1987, Armstrong was elected IBM vice president and director of research. He assumed his current positions in 1989.

Armstrong is the author or co-author of more than 50 papers on the subjects of nuclear resonance, nonlinear optics, the statistical properties of laser light, picosecond pulse measurements, and the multiphoton laser spectroscopy of atoms.

Armstrong received an AB degree in physics from Harvard College, and his PhD from Harvard University for research in nuclear magnetic resonance at high pressures. As a research fellow, he transferred into lasers and nonlinear optics, working with Professor N. Bloembergen. □

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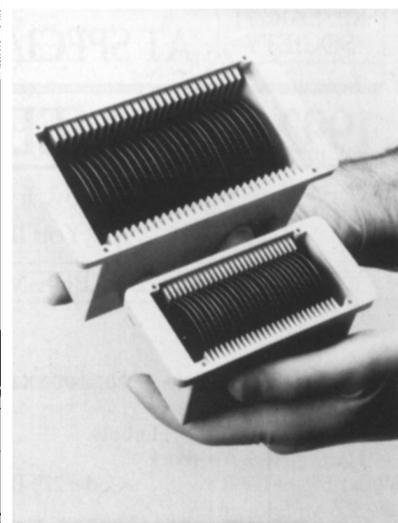
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As part of the 1992 Fall Meeting, a major equipment exhibit and table-top display program will be held to present analytical and processing equipment closely paralleling the nature of the technical symposia. The exhibit will be in the Boston Marriott Hotel and table-top displays in the third and fourth floor lobbies of the Westin Hotel. The technical program has been arranged to allow meeting participants ample opportunity to visit the exhibit.

### Exhibit Hours

Tuesday . . . . . noon - 7:00 p.m.  
Reception . . . . . 5:00 p.m. - 7:00 p.m.  
Wednesday . . . . . 9:30 a.m. - 5:00 p.m.  
Thursday . . . . . 9:30 a.m. - 2:00 p.m.

## Partial List of 1992 Fall Equipment Exhibitors and Table-Top Displays

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### Materials and Society

The first MRS society-wide colloquium—"National Materials Policies in the Era of International Science and Technology," chaired by Rustum Roy, The Pennsylvania State University—will be presented on the opening day of the 1992 MRS Fall Meeting.

**Speakers:** Sir Peter Hirsch, Oxford University, United Kingdom (former Chairman, Atomic Energy Authority, United Kingdom); Gunter Petzow, Max-Planck Institut für Metallforschung, Stuttgart, Germany; and Rustum Roy, The Pennsylvania State University, USA.

This panel of speakers will address the *real* policy issues that will affect materials research personnel worldwide. They will speak from the viewpoint of experienced working scientists who have participated in policymaking at the highest levels. Since these speakers do not currently hold any administrative positions, they are free to express their opinions.

**Monday, November 30**  
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