
H.J. LEAMY IS 1983 MRS PRESIDENT

Bell Laboratories materials scientist is the Society's new leader

The Materials Research Society's chief executive officer for 1983 is Harry J. Leamy, supervisor of the projection display development group at Bell Laboratories in Murray Hill, New Jersey. An executive and a materials scientist of broad experience, Harry has long been active in the leadership of the MRS, for example co-chairing with J.M. Poate the first MRS symposium on laser-solid interactions, which was held in 1979.

Harry Leamy (pronounced LAY-me) received formal training as a metallurgist from the University of Missouri at Rolla (B.S. 63) and Iowa State University (Ph.D. 67). His thesis research into the mechanical behavior of long range ordered alloys was followed by post doctoral research on the same topic at the Max Planck Institut fuer Metallforschung in Stuttgart.

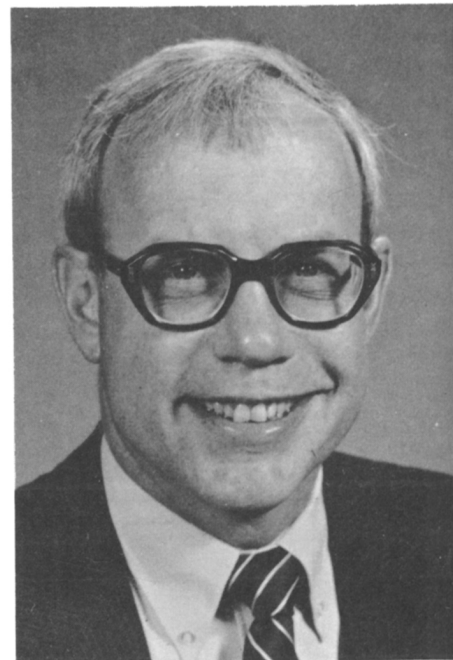
Harry accepted employment at Bell Laboratories as a member of the materials physics research department in 1969. His research activities included transmission and scanning electron microscopy, metallic glasses, thin film microstructures, permanent magnet materials, crystal growth and

amorphous, ferrimagnetic materials.

He spent a sabbatical year at the Philips Research Laboratories in Eindhoven, and upon his return to Bell in 1976 became a member of the electronics materials research department. His research activities for the last five years have focused on silicon. He has studied defects in semiconductor silicon and their effects on device behavior. More recently, he has devoted himself to laser processing of silicon for device applications. He has authored more than a hundred technical articles and has been granted a dozen patents.

Harry has been a member of the MRS since the Society's inception. Having participated in MRS symposia, he was asked in 1979 to co-chair the symposium on laser-solid interactions. Two years later, he and Woody White co-chaired the annual meeting, and Harry also co-chaired, with Carl Seager and Gordon Pike, the symposium on grain boundaries in semiconductors. Subsequently Harry was elected MRS vice president for 1982.

As vice president, Harry was a member of the Publications Committee



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(which he had chaired in 1981), and was active in arranging the publication of MRS symposia as a Proceedings series. He likewise fostered the regularization of publication of this *Bulletin*, and plays a fair game of handball.

MATERIALS

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they use them to plan their experiments.

The changes occurring in materials science will, no doubt, create as well as eliminate some jobs, and a formidable educational task is before us. Training existing materials scientists will require both awareness programs to alert people to the change that is occurring, as well as educational programs to provide them with guidance in the new technology.

The current U.S. schedule is to have a pilot network between materials

science data bases tested in 1983, a demonstration system at the national level (possibly linked to data bases abroad) within three years, and a national gateway system operational within five years. There are many computerized materials data bases extant but as the gateway will serve materials scientists for a long time it is essential that the network be planned carefully to permit users rapid and efficient access to the information they seek. Those who are planning the national system need *your* guidance in selecting the information that:

- Should be included in the initial data

bases in the network;

- Would be helpful but of secondary importance among materials data bases; and

- Should be formatted to be of most value to you (i.e., graphs, tables, etc.).

If you have or know of materials data bases that might be useful in this regard please convey that information to us. The members of the Materials Research Society comprise a broad range of backgrounds. Your views are highly regarded. Please take a few minutes to fill out the questionnaire and return it to us.

WE NEED YOUR HELP!