# PREFACE

The high point of the Fourth International Conference on Magnet Technology was undoubtedly the keynote speech delivered by Henry Kolm. Unfortunately the reader will not find in the printed version of Dr. Kolm's paper, his introductory remarks about penguins. He showed a slide of a gathering of penguins communicating with each other and drew an analogy with magnet experts who talk to each other but to no one else. He proceeded to an analysis of "the prolonged adolescence of superconductivity."

Three panel discussions were held during the Conference. In the hope of encouraging free and informal discussion the Program Committee decided not to record the panel sessions; in retrospect it seems a little sad that some of the interesting comments will not be preserved for posterity. In any case, we mention here the names of those who participated. The first panel was on the main-ring magnet system at the National Accelerator Laboratory in Batavia, Illinois. Speakers who presented the various aspects of the magnet system and its problems were R. Cassel, W. Hanson, H. Hinterberger, E. Malamud, P. Reardon, and R. Yamada, all of NAL. The moderator for this discussion was H. S. Gordon of William M. Brobeck and Associates.

A second panel discussion on magnetic field computations was moderated by L. C. Teng of NAL. Panel members were J. S. Colonias of the Lawrence Berkeley Laboratory, C. F. Iselin of CERN, G. Parzen of Brookhaven, S. C. Snowden of NAL, and C. W. Trowbridge of the Rutherford Laboratory. The conclusion of this panel seemed to be that even the most complex magnet problems can now be solved on computers; construction of magnet models is rapidly becoming an obsolete discipline.

A particularly interesting evening panel discussion was organized by C. H. Rosner, President of the Intermagnetics General Corporation. Its subject was "Directions of Industrial and Government Sponsored Activities in Superconductivity; A Panel Discussion Devoted to Exploring Opportunities for Industry-Government Collaboration." The panel included B. C. Belanger of the United States Atomic Energy Commission, B. W. Birmingham of the National Bureau of Standards (Boulder), G. Bronca of Saclay, D. Haid of Union Carbide, J. Harding of the United States Department of Transportation, J. Levedahl of the Naval Ship Research and Development Center (Annapolis), E. J. Lucas of the Magnetic Corporation of America, W. B. Sampson of Brookhaven, and C. E. Taylor of the Lawrence Livermore Laboratory. In a wide-ranging discussion many problems were defined and some optimism was expressed regarding the future development of the arts and applications of superconductivity.

A final major contribution to the Conference was made by Dennis Puleston, who provided a welcome relief from a saturation dose of magnet technology with his postprandial talk on "Long Island Wildlife." Mr. Puleston is a leading student of the local flora and fauna and his illustrated lecture was delightful and informative.

In conclusion, we would express our appreciation to all of those who helped to make the Conference a success — Brookhaven staff members, the International Organizing Committee, the Program Committee, session chairmen, speakers, and all of the other contributors.

John P. Blewett, Conference Chairman
John J. Grisoli, Conference Secretary

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