

INTRODUCTION

I am pleased to announce the continued publication of our Bulletin of Magnetic Resonance. This very happy event owes much to you, our loyal subscriber, as well as to the enthusiasm and intense dedication of Dr. David Gorenstein who accepted the difficult and time consuming position as the new editor of this Bulletin. I have great admiration for the skilful approach Dr. Gorenstein has taken in getting the Bulletin published, and I am extremely thankful for his sincere effort and time spent on the required editorial work.

I wish to use this opportunity to thank the previous editor, Dr. J. Howard Bradbury and the previous publisher, Dr. William White, Jr., both of whom made every effort to ensure our Bulletin's success. Unfortunately, the Franklin Institute Press decided to discontinue the publication of all of its journals, including our Bulletin of Magnetic Resonance. This led to the short break in our publication.

The Bulletin of Magnetic Resonance fills a pronounced need for communication among members of the International Society of Magnetic Resonance (ISMAR). The main purposes of the Society are to promote scientific interaction and the diffusion of knowledge among researchers in the fields of nuclear magnetic resonance, electron spin resonance, nuclear quadrupole resonance, and related areas and in the application of their studies to physics, chemistry, biology and medicine.

The great breadth of interest represented by the members of the Society, the rapid development of both methodology and applications for our research, and the tremendous impetus given by this work to other fields of inquiry combine to underscore the interdisciplinary character of the

magnetic resonance field and the need to exchange findings among scientists. These factors are especially important in the field of nuclear magnetic resonance (nmr) where the work ranges from development of sophisticated methodology and applications such as image formation techniques, to the most routine uses such as chemical analysis.

Researchers in magnetic resonance face a very great challenge, creating and monitoring a complex and evolving methodology, as well as an increasingly broad range of applications for their work. For example, even a magnetic resonance spectroscopist faces difficulty following methodological developments in nuclear magnetic resonance, with its subfields of high-resolution spectroscopy and wide-line spectroscopy and their further subdivisions into studies of gases, liquids, solutions and solids.

The Society continually strives to foster interaction among scientists in different fields of magnetic resonance and to encourage interdisciplinary exploration. Our main symposia have been open to investigators from different disciplines, and the same spirit underlies this Bulletin. Its purpose is to communicate the most recent developments in the various fields of magnetic resonance, reviewing narrow topics concisely and at a level that makes them accessible to workers in related but different areas. The goal is to provide readers with insights into the work of others, to stimulate new ideas, and where appropriate, to provide opportunity for further cooperative study on topics of mutual concern. As a further service the Bulletin publishes proceedings of international meetings and lectures presented at schools and seminars.

At this point of development for

the Bulletin, I would like to summarize the brief but exciting history of the Society and the meetings that have allowed for stimulating exchanges of ideas and research among members. The first seven meetings of ISMAR were held in Japan, Brazil, Australia, Israel, India, Canada, and The Netherlands. This last meeting was held jointly with the distinguished European Scientific Organization, the Groupment Ampere. A more detailed description of this outstanding meeting is given in this issue of the Bulletin.

At present preparations are being made for the 8th ISMAR meeting to be held in Chicago, Illinois, August 22-26, 1983. I am acting as the Chairman of this meeting and I would like to thank the members of the local organizing committee, Drs. V. Capek and D. Gorenstein, T. Brown and the members of National Advisory Committee for their advice and assistance. Preparations for this meeting are in good progress and we are looking forward to a stimulating scientific meeting.

ISMAR schools are held once every two years in Waterloo, Canada and are organized by Dr. M. M. Pintar. These excellent schools are conducted under the most friendly and informal atmosphere that creates a most suitable learning environment due to a large extent to the warm and friendly personality of Dr. Pintar.

ISMAR held schools, jointly with the Groupment Ampere, in Yugoslavia due to the initiative and leadership of Dr. Robert Blinc. Several of these schools have been oriented towards specific topics and fields of applications and reflected the most recent and advanced developments.

ISMAR held schools and symposia in many other countries, including a recent meeting in Rende, Italy that was focused on the Biological Applications of Nuclear Magnetic Resonance. The school was organized by the ISMAR sponsored scientific organization in Italy, GDRM. The success

of the school was primarily due to the efforts made by national and local organizing committees, chaired by Dr. F. Conti and Dr. G. Chidichimo.

ISMAR sponsors a series of International Symposia in NQR and a series of International Symposia in ESR that are held once every two years.

We are planning to hold ISMAR schools in 1984 in Freeport, Grand Bahamas Island and in 1985 or 1986 in Santa Barbara, California.

Plans are being made to hold the 9th ISMAR meeting in Brazil in 1986 and we are making efforts to extend ISMAR activities to other countries and fields of magnetic resonance and in its applications.

We encourage you to contact Dr. M. M. Pintar, the Chairman of ISMAR's School Committee and Dr. J. Smidt the Chairman of ISMAR's Symposia and Conferences Committee with suggestions and proposals for future conferences, symposia and schools.

It is from the exchange and stimulation fostered by such meetings that the desire for more regular communication emerges and a publication such as this one exists to fill that need.

Through the Bulletin of Magnetic Resonance, many more scientists will become aware of our research and activities, and many more will be able to participate in and contribute to the vital work taking place in this field. I encourage all ISMAR members, other magnetic resonance spectroscopists, and interested scientists to contribute to the Bulletin, and I look forward to a long-lasting partnership among all those who will be involved in this important undertaking.

I would like to wish success to the Editorial Board in their important task.

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