

**REPORT ON THE 10TH CONFERENCE ON
RADIO AND MICROWAVE
SPECTROSCOPY-RAMIS;
TWENTY-YEAR OLD TRADITION OF
APRIL MEETINGS AT POZNAŃ**

In April, 1964 Arkadiusz Piekara, Zdzisław Pająk, and Jan Stankowski organized the *Radiospectroscopy and Quantum Electronics* conference, abbreviated as REK. It was held from the 13th until the 15th of April, 1964 in the House of Technicians, Poznań. The conference was opened by the addresses of Janusz Groszkowski, President of the Polish Academy of Sciences, and Gerard Labuda, Rector of Poznań University. The opening of the conference was greeted with great interest, because of the recent development and application of masers and lasers throughout the world as well as in Poland, where they were being used for the first time. Quantum electronics united the basic research of physicists and chemists with engineers. Chemists participated because of the development of radiospectroscopy in magnetic resonance. The plenary lecture at this first REK by Arkadiusz Piekara was on *Coherence of Light*. Bohdan Paszkowski spoke on the *Technology of Lasers*, K. Antonowicz and J. Stankowski on *Electron Paramagnetic Resonance*, and J. Hennel and Z. Pająk on *Nuclear Magnetic Resonance*. It was a fine beginning.

The second conference of REK was held from the 25th until the 28th of April, 1966. Lectures on radiospectroscopy by K. Antonowicz, K. Leiber, J. Hennel, Z. Pająk, M. Surma, and J. Stankowski were presented at the plenary session of the conference. The presentation of papers was divided into three sections: Quantum Electronics, Nuclear Magnetic Resonance, and Electron Paramagnetic Resonance.

Because of the rapid development of non-linear optics, REK conferences after 1972 were divided into separate meetings: the *Conference on Quantum Electronics and Non-linear Optics (EKON)*, organized by Stanisław Kielich and Franciszek Kaczmarek, and the *Conference on Radio and Microwave Spectroscopy (RAMIS)*,

organized by the author of this report.

The first RAMIS Conference was held from the 22nd until the 24th of April, 1975 in the Institute of Molecular Physics of the Polish Academy of Sciences. Later meetings were organized every two years. The Proceedings of RAMIS-75 have 614 pages and were printed in Polish for the last time. RAMIS-77 was organized with Polish and international participation: R. Blinc (Ljubljana), A. R. Bates (Cardiff), M. Fujimoto (Guelph), I. P. Aleksandrova (Irkuck), A. J. Zviagyn (Kharkov), A. Pfeifer (Leipzig), A. Lösche (Leipzig), C. A. Bates (Nottingham), V. V. Eremienko (Khrarkov), and V. A. Golenishchev-Kutuzov (Kazan).

The next RAMIS conferences included the participation of E. R. Andrew (Nottingham), D. Stehlik (West Berlin), D. Wemmer (Berkeley), F. Milia (Athens), D. E. Demko and L. Giurgiu (Bucuresti), W. S. Moore (Nottingham), K. A. Müller (Zürich), I. Svare (Trondheim), K. P. Dinse (Heidelberg), Semin (Moscow), V. Haeberlen (Heidelberg), F. Noack (Stuttgart), R. R. Ernst (Zürich), H. W. Spiess (Mainz), and others.

We have been trying to present other fields of knowledge besides radiospectroscopy which are concerned with molecular dynamics and phase transitions in solids. Because of this, we have invited spectroscopy specialists B. Jezowska-Trzebiatowska and E. Geissler, neutron scientist J. Janik, and adiabatic calorimetry scientists J. Janik and W. J. Huiskamp.

We are especially satisfied with the last RAMIS conference (RAMIS-83), which enjoyed the participation of 15 international scientists. RAMIS conferences are organized in close cooperation with the AMPERE Group and the ISMAR organizations, which provides a permanent connection with recent developments in radiospectroscopy.

I hope that the next RAMIS-85 conference, to be held from the 23rd until the 25th of April, 1985, will provide a fine continuation of this long tradition, now entering the third decade.

Jan Stankowski
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