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International seminar on excitation energy transfer in condensed matter

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International Seminar on Excitation Energy Transfer in Condensed Matter

From 29th to 31st August 1972 the International Seminar on Excitation Energy Transfer in Condensed Matter sponsored by Czechoslovak Mathematical and Physical Society took place in ancient building of Charles university (Carolinum) in Prague. The seminar was organised by the Department of Chemical Physics of the Faculty of Mathematics and Physics of Charles University and it was the continuation of similar seminar organised by the same institutions in 1967 in Štířín near Prague. The seminar was attended by 30 participants, one third of them coming from abroad (France, GDR, GFR, Yugoslavia).

There were four plenary sessions which were opened with four invited papers: Prof. M. Trlifaj (Institute of Physics, Czechoslovak Academy of Sciences, Prague) — Interaction of Triplet Excitons with Neutral and Charged Excitations in Organic Crystals; Prof. H. Haken, Dr. P. Reinecker (Institut of Theoretical and Applied Physics, Stuttgart) — The Coupled Coherent and Incoherent Exciton Motion and its Influence on Optical Absorption, Electron Spin Resonance and Nuclear Spin Resonance; Prof. S. Nikitine, Dr. R. Levy, Dr. B. Grun (Institute of Physics, University of Strasbourg) — Optical Properties of Highly Excited Crystals; Ass. prof. J. Voigt (Institute of Solid State optics, Humboldt University, Berlin) — Exciton — Phonon Interaction processes in II-VI Compounds. The plenary sessions were presided by prof. A. Bohun, prof. L. Colombo, prof. E. Gutsche, prof. M. Trlifaj and Ass prof. K. Vacek (opening and closing ceremony).

The informal discussions following the lectures and during the coffee breaks confirmed the actuality of the chosen theme. The main problems discussed during the seminar were essentially concentrated on the questions of exciton processes in condensed matter from two points of view — from the theoretical

approach and from the experimental approach to the mentioned processes (especially the luminescence methods).

Although some participants who promised to come could not take part on the seminar (e.g. short time interval from ICOL in Leningrad), the whole seminar in the final discussion was considered successful and very useful not only owing to its scientific content but also due to the possibility of personal contacts among the scientific workers from various countries.

The contents of all invited papers and of contributed papers are presented on the following pages.

K. VACEK
Chairman of the Programme
Committee

J. FIALA
Secretary of the Seminar

Prague, 1st October 1972