

Chronicle

The Seventh School On Optics in GDR

The Seventh Spring School on Optics organized in Kühlungsborn took place on April 18–23 1975. This year the annual meeting was arranged by "Constructive Optics" and "Nonlinear Optics" of the Department of Mathematics and Physics of the Karl Liebknecht Pedagogical University in Potsdam in cooperation with "Fachverband Optik" of the Physical Society of GDR. Over 300 participants from universities and research institutes of the Academy of Sciences as well as from the optical industry of GDR discussed the questions of optical media. The programme included 40 lectures – among them a series devoted to "Integrated Optics" (Frahm, Berlin) – and about 100 short communications. The lectures were held in 3 sections: Constructive Optics, Coherence Optics and Non-linear Optics.

General subjects of the spring school presented in form of review reports were devoted to the influence of structure and properties of materials on coherence sources and the optical detectors, e.g.:

Optical parametric oscillators (FITCHER, Berlin),
Glass and glass damage (VOGEL, RÖTGER, Jena,
SCHÜTTE, Potsdam),

Optical polymers (LORKOWSKI, ZSCHAECK, Berlin),
Liquid crystals (DEMUSE Halle),
Ultra-short time photokinetic (WILHELMI, Jena),
Magneto-optical media (JÄGER, Jena),
Optical inhomogeneous media (MIESEL, Potsdam),
Pyroelectric (GÜTTNER, Jena), and
Super conducting detectors (REICHMANN, Jena).

Technological problems associated with above subjects gave rise to useful and interesting discussions among the representants of the basic researching and applied industry.

The participation of four physicists from the Soviet-Union and from Poland who reported new results of their investigations was a particularly pleasant contribution to the meeting.

A discussion on Integrated Optics and two evening lectures on optical problems completed the programme. Sight-seeing-tours to Rostock and its harbour as well as the excursions to Güstrow, Schwerin and Wismar were intended to give the participants a relax and the opportunity for informal contacts.

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