

Events

'THERMAL ANALYSIS OF SOLID STATES'

5TH MEETING OF THE SPECIALIZED GROUP FOR THERMAL ANALYSIS OF THE CHEMICAL SOCIETY OF THE GDR

The 5th national meeting with international participation, was held at the Friedrich-Schiller-University of Jena from 4th – 6th October 1978, sponsored by the specialized group for thermal analysis of the Chemical Society of the GDR and the methodics-diagnostics centre (MDZ) for 'Methods of Thermal Analysis' at the Department of Chemistry of the Friedrich-Schiller-University.

70 scientists from industry, universities and the Academy of Sciences of the GDR, and 8 guests from abroad (USSR, ČSSR, Poland, Hungary, GFR) took part in this meeting.

In 25 lectures reports were given on the present state and current trends of development of thermal analysis of inorganic and organic solid states and new experimental techniques and apparatus.

The majority of the lectures on inorganic chemistry dealt with problems of the thermal analysis of raw materials, building materials and products of corrosion. Further reports were given about phase analysis of semiconductor materials, the thermal decomposition of aluminium chloride hydrates, borates and the thermo-reactivity of complex photocatalysts.

The thermal investigations of organic solids were mainly carried out on polymers with special consideration to processes of glass transition and crystallization. In this section reports were also presented on fire retardation processes, salts of 2,4-dichlorophenoxyacetic acid and reactions in organic solvents.

At the centre of the lectures on methods of instrumentation were the efficiency and possibilities of application of new apparatus from abroad (Setaram, Rigaku, Netzsch), installed in recent years in research institutes of the GDR.

Two important international meetings (Vth ICTA Conference and NSTA – GEFTA – Symposium) were evaluated, especially from the point of view of the present international state, the trends of thermal analysis and instrumentation.

In a meeting of all members of this specialized group a report was given about events from 1977 and 1978 and the coming events.