

Events

GORDON RESEARCH CONFERENCE

on

ANALYTICAL AND APPLIED PYROLYSIS

Holderness School, Plymouth, New Hampshire, USA,
July 8–12, 1985

The following papers were presented:

Session 1: *Theory of Thermal Analysis*

B. Wunderlich: Basics and Future Developments of Thermal Analysis

T. Székely: Thermal Decomposition: Energy Supply and Reaction

Session 2: *New Methodology*

A. Kettrup: Differential Thermal Analysis/Thermogravimetry and Mass Spectrometry

P. Kistemaker: Laser-Pyrolysis

Session 3: *Fundamentals of Biomass Degradation and Utilization*

M. Antal: Fundamental Chemistry of Biomass Pyrolysis in Supercritical Solvents

B. Reed: Principles of Biomass Thermal Conversion

B. Krieger: Principles of Engineering in the Thermal Conversion of Biomass

Session 4: *Coal Structure*

P. Given: Pyrolysis Studies of the Contribution of Biopolymers in Peats to Coal Structure

N. Vanderborgh: Pyrolysis of Model Polymers and Coal

M. Szabó: Decomposition of Organic Structural Elements of Coals During Pyrolysis

Session 5: *Fundamentals in Polymer Pyrolysis*

G. Montaudo: Thermal Fragmentation Pathways in Condensated Polymers

M. Grayson: Presence and Future in Polymer Pyrolysis

Session 6: *Basics and New Developments in Data Analysis*

W. Windig: Basics and New Developments in Data Analysis

H. MacFie: New Advances in the Analysis of Pyrolysis Data

Session 7: *Environmental Applications of Analytical Pyrolysis*

K. Voorhees: Environmental Applications of Analytical Pyrolysis

W. Kaminsky: Thermal Recycling: Basics and Engineering

I. Luederwald: Catalyzed Thermal Degradation Reactions of Polymers

Session 8: *New Horizons (Tobacco, Archaeology)*

K. Brunnemann: Pyrolysis of Tobacco, Basics and New Analytical Results

H. G. Wiedemann: Thermal Analysis and Archaeology

Session 9: *Advances in Food Sciences*

C. Gutteridge: The Application of Pyrolysis Mass Spectrometry to Microbiological/Biotechnological Processes

Baltes: Pyrolysis Gas-Chromatography in Food Sciences—Smoking, Caramelization and Roasting

Ericsson, Fischer, Levy, Kistemaker, Meuzelaar et al.

ROUNDTABLE DISCUSSION:

Optimization of Instrumentation: Curie Point-, Laser-, Wire-, Filament-, Foil-, Furnace-Pyrolysis

Closing Remarks: B. P. Lattimer