

## Events

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### ROUNDTABLE DISCUSSION ON THERMAL ANALYSIS TECHNIQUES

was held under the sponsorship of the National Institute for Occupational Safety and Health, in Cincinnati, Ohio, U.S.A., June, 1976

The following lectures were presented

*Applications of thermal analysis methods to air pollution studies*

H. G. McADIE

(Environmental Chemistry Department, Ontario Research Foundation, Sheridan Park, Mississauga Ontario, Canada)

*Measurement of very small quantities of asbestos and quartz*

OSCAR MENIS

(Analytical Chemistry Division, National Bureau of Standards, Gaithersburg, Maryland)

*Thermal analysis of particulate quartz and of polymer decompositions*

EDWARD A. BOETTNER

(School of Public Health, The University of Michigan, Ann Arbor, Michigan 48104)

*Experimental techniques in mineralogy*

HOWARD W. DAY

(School of Geology and Geophysics, University of Oklahoma, Norman, Oklahoma 73069)

*Thermal analysis and thermal batteries*

ROBERT P. CLARK

(Sandia Laboratories, Sandia Corporation, Albuquerque, New Mexico 87115)

*Thermal analysis and mass spectrometry*

WAYNE COLLINS

(Mound Research Laboratories, Monsanto Corporation, Miamisburg, Ohio 45342)

*Applications of thermal analysis to cold regions*

KAY F. STERRETT

(Research Division, U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire 03755)

*Overviews of Niosh problems*

JANET C. HAARTZ

(Inorganic Methods Development Section NIOSH, Cincinnati, Ohio 45202)

*Problems in quantitative measurements*

PAUL D. GARN

(Department of Chemistry, The University of Akron, Akron, Ohio 44325)

*The quantitative determination of respirable quartz dust by X-ray diffraction — A preliminary report*

DAVID L. KANTRO, FULVIO TANG

(Basic Research Department, Research and Development Laboratories, Portland Cement Association, Old Orchard Road, Skokie, Illinois 60076)

*Improved quantitative X-ray diffraction determination of respirable free silica*

DAVID W. ANDERSON, RONALD F. GEBHARDT, CHARLES W. TRADER and LYNN A. DOBSON  
(Martin Marietta Cement Technical Center, 1450 South Rolling Road, Baltimore, Maryland 21227)

NATIONAL SEMINAR ON  
"THERMAL ANALYSIS AND REACTION KINETICS"

was held in the Indian Chemical Society, Bombay, on March 25–26, 1977  
with the following programme:

*Reaction kinetics by TG and DTA*

DR. A. K. SUNDARAM  
(BARC, Bombay)

*Applications of thermal methods to the reaction kinetics involving solid-solid reactions and phase transformations*

DR. M. R. UDUPA  
(Indian Institute of Technology, Madras)

*Kinetics of decomposition of sucrose by thermogravimetry*

A. J. DANGRE and V. G. KULKARNI  
(University of Poona, Poona)

*Non-isothermal decomposition studies in Fibrinogen Fibrine and Cytochrome C by Freeman and Carroll method*

N. D. PATHAN, S. B. KHAROSEKAR and R. A. BHOBE  
(Marathwada University, Aurangabad)

*Application of kinetic data obtained by thermal methods to the development of explosives*

DR. S. R. YOGANARASIMHAN  
(Defence Science Laboratory, Poona)

*Thermogravimetric analysis of coprecipitated zinc-copper oxalates in air and in nitrogen*

B. D. DALVI and A. M. CHAVAN  
(Shivaji University, Kolhapur)

*Effect of irradiation on the kinetics of thermal decomposition of solids*

DR. M. N. RAY  
(University of Nagpur)

*Thermal behaviour of tetrakis-ammonium complexes of cobalt(II) and nickel(II) dichloroacetates*

N. KUMAR and A. K. GANDOTRA  
(University of Jammu)

*Kinetics of thermal decomposition of potassium and barium bromates*

H. J. ARNIKAR and S. K. PATNAIK  
(University of Poona)

*Determination of reaction kinetics using simple thermobalance*

S. B. KULKARNI, G. N. NATU and N. H. PAIKE  
(University of Poona)

*(n, y) reaction kinetics of metal complexes*

A. T. M. SHARIFULLA  
(University of Poona)

*Reaction kinetics by differential thermal analysis*

DR. N. G. DAVE  
(Central Building Research Institute, Roorkee)

*Application of DTA in solving some industrial problems*

DR. E. R. SAXENA  
(Regional Research Laboratory, Hyderabad)

*A comparative study of the solid state reaction kinetics by isothermal and non-isothermal techniques employing isothermal and dynamic differential thermal analysis*

S. R. DHARWADKAR, M. S. KUMBHAR, A. B. PHADNIS, V. V. DESHPANDE and M. S. CHANDRASEKHARAI AH  
(Chemistry Division, BARC, Bombay)

*The order parameter for solid state reactions by DTA — The case of crystallization of glass*

K. J. RAO  
(National Aeronautical Laboratory, Bangalore)

*Application of kinetic data obtained by thermal methods to metallurgical processes*

DR. SHAMSUDDIN  
(Banaras Hindu University, Varanasi)

WORKSHOP ON THERMAL ANALYSIS  
UNDER THE AUSPICES OF INDIAN CHEMICAL SOCIETY  
(Bombay Branch)  
March 21–24, 1977

The following lectures were delivered

Introduction to thermal analysis: Dr. M. D. KARKHANAVALA

Thermogravimetry: Dr. S. R. DHARWADKAR

Differential thermal analysis: SHRI P. V. RAVINDRAN

Instrumentation: Dr. M. S. CHANDRASEKHARAI AH

Instrumentation: Dr. S. R. DHARWADKAR

Instrumentation: Dr. R. M. IYER

Differential scanning calorimetry: Dr. U. R. K. RAO

Complementary techniques: Dr. T. P. RADHAKRISHNAN

Applications: Dr. M. D. KARKHANAVALA

Applications: Dr. V. V. DESHPANDE