Events

6TH JAPANESE CALORIMETRY CONFERENCE

The Society of Calorimetry and Thermal Analysis (Japan) has organized the sixth annual Japanese Calorimetry Conference in Shakai Fukushi Kaitau, Yokohama City near Tokyo on November 19 and 20, 1970.

The Society had its annual business meeting during the Conference and new officers (1970/71) were elected as follows:

Chairman:	Prof. Y. Otsubo (Waseda University)
Chairman-Elect:	Prof. R. Fujishiro (Osaka University)
Ex-Chairman:	Prof. S. Seki (Osaka University)
Secretary:	Prof. H. Kambe (University of Tokyo)
Treasurer:	Prof. Y. Takahashi (University of Tokyo)
Editor:	Dr. H. Kanetsuna (Research Institute for Polymers and Textiles)

The Society edited a new volume of "Calorimetry, Thermometry and Thermal Analysis, 1970" reviewed in the Book Review Section.

The following papers were presented at two sessions:

High temperature differential scanning calorimeter.

H. Uchida, M. Momota, T. Sugiyama, N. Miyamoto and A. Hirose (Rigaku Denki Co., Ltd., Thermal Analysis Development Group).

Differential scanning calorimeter for rapid heating and cooling.

Y. Shimura, H. Uchida, S. Sakakura, M. Momota, N. Miyamoto and T. Sugiyama (Rigaku Denki Co., Ltd., Thermal Analysis Development Group).

A micro DTA-TGA apparatus.

Hiroshi Okamoto (Sinku Riko Co., Ltd.).

Effects of net cover of sample pan on thermal analysis and its applications.

H. Uchida, K. Takahashi, Y. Furuya, H. Seki and M. Momota (Rigaku Denki Co., Ltd., Thermal Analysis Development Group).

Rocking DTA for liquid samples.

Satohiro Tanaka (Government Chemical Industrial Research Institute, Tokyo).

A newer method of reaction kinetics from thermogravimetry.

Ryozo Kato, Yukimasa Murakami and Akikazu Maesono (Sinku Riko Co., Ltd.).

Calorimetry for liquid metals.

Akira Yazawa (The Research Institute of Mineral Dressing and Metallurgy, Tohoku University, Sendai, Japan).

Thermal transitions in ferroelectrics.

Shozo Sawada (Department of Physics, College of Science, Tokyo Institute of Technology).

The simultaneous measurement of heat capacity and weight change.

Naoyuki Yoshida, Masakazu Yamakawa and Seizo Nagasaki (AGNE Research Center of Technology).

A simultaneous measurement apparatus of DTA, dilatometry and electric resistance thermal analysis.

Takao Kawai and Nobuyuki Sumi (Sinku Riko Co., Ltd.).

Simultaneous DTA-GC apparatus and its application.

Hiromi Arimoto, Shinichi Ohura and Kiyotsugu Yamada (Scientific & Industrial Instrument Div. Shimazu Seisakusho Ltd.).

A new design of evolved gas analysis apparatus.

Takayuki Okino, Shinichi Ohura and Michio Maruta (Scientific & Industrial Instrument Div. Shimazu Seisakusho Ltd.).

Thermo-mechanical analyzer for high polymer and its application.

H. Uchida, I. Ozim and K. Toshima (Rigaku Denki Co., Ltd., Thermal Analysis Development Group).

Apparatus of thermal expansion and softening point measurements and its application.

Katsuo Ehara (Tokyo Institute of Technology).

The differential thermal analysis peak.

Paul Donald Garn, Ph. D., F.A.I.C. (The University of Akron).

On a new method of thermal compensation in conduction calorimeter.

Kazuo Amaya (Government Chemical & Industrial Research Institute, Tokyo), Seichi Hagiwara and Makoto Suzuki (Applied Electric Laboratory).

Trial manufacture of conduction calorimeter with heat compensation.

Makoto Suzuki, Seichi Hagiwara (Applied Electric Lab., Ltd.) and Kazuo Amaya (Government Chemical Industrial Research Institute, Tokyo).

An apparatus for the measurement of heat of solution.

Tsutomu Koide and Kazuhiro Sawada (The Kyoiku University).

An isothermal displacement calorimeter.

Murakami Sachio, Tanaka Reiji and Fujisiro Ryoichi (Department of Chemistry, Faculty of Science, Osaka City University).

Heats of mixing in the liquid state; Te + Se, Te + S, and Se + S.

Takashi Maekawa, Toshio Yokokawa and Kichizo Niwa (Department of Chemistry, Faculty of Science, Hokkaido University).

Effect of organic cation exchange on heat of immersion of polyphosphates.

Makoto Hattori, Fumiko Shinkai, Satoshi Hirose and Masami Tanaka (Department of Applied Chemistry, University of Osaka Prefecture).

Heats of immersion of various BeO powders.

Takayasu Ikegami, Sinichi Matsuda and Hirosige Suzuki (National Institute for Researches in Inorganic Materials).

Heats of mixing of dilute solutions I. Water + 1,3-butanediol system.

Takagi Sadao, Hishino Hirohisa, Yamamoto Yoshihiro and Takahashi Kohichi (Kinki University, Faculty of Science and Technology, Department of Chemistry).

Heats of mixing of binary solutions IV. Heats of mixing and N.M.R spectra in binary solutions of methanol with pyridine derivatives.

Hidekazu Touhara, Koichiro Nakanishi and Nobuatsu Watanabe (Department of Industrial Chemistry, Faculty of Engineering, Kyoto University).

Thermochemical properties of acetone + cyclohexanol mixture at 25°.

Sachio Murakami (Dept. of Chemistry, Faculty of Science, Osaka City University) and G. C. Beson (Division of Chemistry, National Research Council of Canada).

Heats of mixing of N,N disubstituted amide and nonpolar solvent systems.

Osamu Kakimoto and Ryoichi Fujishiro (Dept. of Chemistry, Faculty of Science, Osaka City University).

Studies on dehydration processes of the hydrated salts by the water vapour controlled DTA apparatus.

Masao Taniguchi, Hiroyuki Moriguchi and Syoji Shimizu (Tokyo Institute of Technology, Gunma Technical College).

Thermochemical properties of several alums.

Ryokichi Tsuchiya (Kanazawa University, Faculty of Science), Hisaya Oki (Fukui University, Faculty of Education) and Yoshitake Yoshimura (Fukui Technical College).

Kinetics of pyrolysis of $HgCr_2X_4$ (X = S or Se) in vacuum by thermogravimetry.

Yasuo Wada and Kohei Ametani (RCA Research Laboratories, Inc., Tokyo).

Differential scanning calorimeter patterns of flue-cured tobacco leaves.

Shigeru Esaki, Motoo Taki and Haruyo Kosuge (The Hatano Tobacco Experiment Station Japan Monopoly Corporation).

Studies on diglycerides by the differential scanning calorimetry. 1. The determination of heat of fusion and polymorphism of 1,2- and 1,3-dipalmitin.

Mitsumasa Takasago, Kazuo Hirokawa and Shinroku Masuyama (The Osaka Municipal Technical Research Institute).

A study on catalytic hydrogenation of aromatic compounds under high pressure by DTA.

Hironori Itoh, Masao Karaushi, Kazuo Makino, Masataka Makabe, Gen Takeya (Faculty of Engineering, Hokkaido University) and Shigeru Ueda (Government Industrial Development Laboratory, Hokkaido).

Thermal analysis of high polymers.

Kan-ichiro Takamizawa (Department of Applied Science, Faculty of Engineering, Kyushu University).

Thermal analysis in polymerization.

Itaru Maeda and Hisaaki Kanetsuna (Research Institute for Polymers and Textiles).

Superheating of extended-chain crystal of polyethylene.

Yohmi Maeda and Hisaaki Kanetsuna (Research Institute of Polymers and Textiles).

Thermal analysis of lamellar thickening during isothermal crystallization.

Toru Kawai, Masahiro Hosoi (Tokyo Institute of Technology) and Kenji Kamide (Textile Research Laboratories, Asahi Chemical Company).

Change in fine structures of polyolefines during isothermal crystallization.

Kanji Kamide, Keiko Kashima (Textile Research Laboratory, Asahi Chemical Industry Co., Ltd.) and Kunio Ohno (Plastics Application Laboratory, Asahi Chemical Industry Co., Ltd.).

DTA of polyoxymethylene obtained by radiation-induced polymerization in solid state.

Yoshiaki Nakase and Isamu Kuriyama (Takasaki Radiation Chemistry Research Establishment JAERI).

DTA of crystalline lysozyme.

Toshiharu Takizawa (Department of Physics, Faculty of General Studies, Gunma University) and Yasuhiro Miyoshi (Department of Botany, Faculty of Science, Tokyo University).

Studies on aromatic polymers and oligomers by DSC and TG.

Itaru Mita, Rikio Yokota and Hirotaro Kambe (Institute of Space and Aeronautical Sciences, University of Tokyo).

Hydrogen bond effects on glassy state of random copolyamide.

Tatsuko Hatakeyama and Hisaaki Kanetsuna (Research Institute of Polymers and Textiles).

Temperature dispersion measurement of dielectric loss of high-polymers by DTA method.

R. Kaneko, Y. Fukumitsu and J. Aoyagi (Tokyo University of Agriculture and Technology).

The phase equilibrium of the cellulose derivative systems by DTA method.

Takashi Okui, Akihiro Kagemoto, Kozo Tada (Department of Chemistry, Osaka Institute of Technology) and Yoshihiro Baba (Osaka City of Hygiene).

Study on the upper critical solution temperature of the polystyrene – methylcyclohexane by DTA method.

Mitsuo Fukuda, Akihiro Kagemoto, Kozo Tada (Department of Chemistry, Osaka Institute of Technology), and Yoshihiro Baba (Osaka City of Hygiene).

Transition in solution of polyvinyl acetate in toluene.

Satoru Mashimo, Yoshio Otsubo and Kenichi Higashi (School of Science and Engineering, Waseda University).

Calorimetric study on the interactions of n-paraffins with xylene isomers and with decalin isomers.

Satoshi Morimoto (Research Institute for Polymers and Textiles).

Calorimetry; heat capacity of PEG-water systems.

Fumio Kawaizumi and Yutaka Miyahara (Department of Chemical Engineering, Faculty of Engineering, Nagoya University).

The heats of dilution of the polyethylene olitomer-alcohol system.

Ichiro Saihara, Yasunori Itoi and Akihiro Kagemoto (Department of Chemistry, Osaka Institute of Technology).

The heat of dissociation of the hemoglobin.

Masaru Takemura, Akihiro Kagemoto (Department of Chemistry, Osaka Institute of Technology) and Yoshihiro Baba (Osaka City of Hygiene).

Enthalpy of vaporization of ethylene glycol derivatives at 25.0° (II) ethylene glycol monoethers.

Kazuhito Kusano (Faculty of Engineering, Miyazaki University) and Ingemar Wadsö (Termokemiska Laboratoriet, Kemicentrum, Lunds Universitet).

The generalized theory of conduction calorimeter.

T. Ozawa and K. Kanari (Electrotechnical Laboratory).

Determination of thermal conductivity of solid materials by means of hot wire method.

Isao Uei and Kunio Hayashi (Department of Chemistry, Kyoto Institute of Technology).

Phase study at high temperature.

Tetsuzo Atoda and Yoshihiku Sasa (The Institute of Physical and Chemical Research).

The analysis of heat leak in the measurement of specific heat at high temperature (II).

Keiji Naito, Naoki Kamegashira and Jun Kitagawa (Department of Nuclear Engineering, Faculty of Engineering, Nagoya University).

An improved adiabatic calorimeter for condensed gases. Thermodynamic properties of nitrous oxide from 2.6 to 186 °K.

Tooru Atake and Hideaki Chihara (Department of Chemistry, Faculty of Science, Osaka University).

Heat capacity of antimony tribromide.

Tetsuzo Atoda and Kuniko Takeyama (The Institute of Physical and Chemical Research).

Measurement of thermal properties of U_4O_9 near the transition point.

Masayuki Kamimoto, Masayuki Murabayashi, Soichi Takahashi and Takash Mukaibo (Department of Nuclear Engineering, Faculty of Engineering, University of Tokyo).

Thermal properties of nickel(II) complexes of Shiff bases: $Ni(3\text{-}CH_3O-SAL.iso\text{-}C_3H_7)_2$ and $Ni(H\text{-}SAL\cdot methyl)_2$.

Naoto Arai, Michio Sorai and Syūzō Seki (Department of Chemistry, Faculty of Science, Osaka University).

Thermal properties of glassy crystals. Heat capacities of cycloheptanol.

Keichiro Adachi, Hiroshi Suga and Syūzō Seki (Department of Chemistry, Faculty of Science, Osaka University).

The heat capacity and phase transition of hexamine nickel halides.

Takasuke Matsuo, Hiroshi Suga and Syūzō Seki (Department of Chemistry, Faculty of Science, Osaka University).

CENTENARY OF THE INSTITUTE FOR MATERIALS TESTING IN THE G.F.R.

In connection with the German industrial Fair of Berlin 1971 a common manifestation of materials testing will take place in Berlin. The reason for this is the celebration of

the centenary of the Institute for Materials Testing,
the 75th anniversary of the German Association for Materials Testing,
the 25th anniversary of the Standard Committee for Materials Testing;

100-Jahrfeier der Bundesanstalt für Materialprüfung (BAM),
75-Jahrfeier des Deutschen Verbandes für Materialprüfung (DVM)
25-Jahrfeier des Fachnormenausschusses Materialprüfung (FNM).

The real celebration of the jubilee will take place on the 10th November 1971 in the Berlin Philharmonie. Different lectures will treat the subjects of a special exhibition: raw materials – investigated, tested and worked up.