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Japan Teruzo Asahara Chemical Society of Japan and JOCS Hold Annual Meetings

The 24th Annual Meeting of the Chemical Society of Japan was held from April 1-5 in Osaka, with 7013 registrants. During this meeting, 2364 papers and 42 guest speeches were presented.

The Japan Oil Chemists' Society (JOCS) held its 17th Annual Meeting on April 1. Dr. Saburo Komori, professor at the University of Osaka, was named new president for the coming two year term.

Privett Addresses JOCS Fall Meeting

The 10th Fall Meeting of the JOCS was held at the University of Nagoya during October 16-18, with approximately 400 attending and over 100 papers presented. Highlighting the speeches was "Isolation and Properties of Polyunsaturated Fatty Acids," by invited guest speaker Orville S. Privett, professor at The Hormel Institute, University of Minnesota. Privett was invited to Japan under the sponsorship of the U.S.-Japan Cooperative Science Program, and gave other speeches in Tokyo, Sendai and Sapporo.

Program Planning for Los Angeles Among Other JOCS Activities

Special Committee for the AOCS/JOCS Joint Meeting in Los Angeles, April 1972, has lined up symposia under the headings of: (1) Nutrition, (2) Detergents, (3) Analysis and (4) Fats and Oils. Details were discussed with R.T. Conner, Technical Program Chairman for the meeting, when he came to Tokyo in early October.

Japan joined the CID in May, and the JOCS, the Chemical Society of Japan, and five related trade associations formed the Japan National Committee on Surface Active Agents on February 20. The President of JOCS serves concurrently as the President of the National Committee, and routine work is to be handled by JOCS.

JOCS conducted a summer seminar on "Basic Principles and Technology of Surface Chemistry." In October a "Symposium on Detergency" was held, and a lecture course on "Modern Analysis of Fats and Oils and Their Derivatives" was presented in December.

France J. P. Helme

The following information was received from M. Naudet.

The four lectures presented during "Quelques aspects analytiques des problèmes d'autoxydation" in Marseille, April 8, 1971, and the 18 reports given during the Information Days on "Les corps gras dans l'alimentation

Production of Soaps and Detergents in Japan for the Calendar Year of 1969 and 1970, Metric Tons

Commodity	1969	1970	Ratio, %
Soaps	152,633	151,040	99
Detergents	634,775	697,832	110
Total	787,408	848,872	108

humaine et animale" in Paris, May 11-13, 1971, have been collected in two recently published special editions of the French Fat Magazine.

H.J. Thomasson and M. Naudet were awarded the Chevreul Medal last May 12, during Information Days organized by the Institute of Fats. Dr. Feron, president of the French Association of Fat Technicians, presented the medals.

Germany H. K. Mangold DGF Meets in Munich

The 1971 meeting of the German Society for Fat Research (DGF) was held in Munich, October 11-15. The occasion was attended by about 800 people, roughly 150 of whom came from abroad. Among the foreign guests were several winners of the Norman Medal: H. Dam, Denmark; W.O. Lundberg, U.S.; and J. Martinez-Moreno, Spain. At the meeting, a Norman Medal was awarded posthumously to L. Brandt, who was instrumental in forming the Federal Center for Fat Research at Münster.

The DGF meeting opened with a plenary lecture, "Trends in the Fats and Oils Market," by M. Weisglas of The Netherlands. Symposium speakers included G.H. de Haas of The Netherlands, E. Haahti of Finland, A. Holasek of Austria and A. Rutkowski of Poland.

Breusch Receives Norman Medal

Also at the Munich meeting of the DGF, the Norman Medal was awarded to F.L. Breusch of the University of Istanbul, Turkey. Breusch has devoted most of his efforts to studies in lipid chemistry; his valuable contributions to this field are known throughout the world. Breusch's acceptance address on "Retro-Fats" will be published in a forthcoming issue of the journal, *Fette, Seifen, Anstrichmittel*.

German Society for Nutrition Sponsors Symposium

A symposium, "Lipoproteins in Blood," organized by the German Society for Nutrition, was conducted at Ulm, October 14-15, 1971. Among the lecturers were Y. Stein of Israel, and M. Heimberg, S. Heyden, R.O. Seow, B. Shore and H. Wilcox, all of the U.S. Proceedings of the symposium are to be published in the near future.

India K. S. Krishnan

OTAI Convention Set for February

The 27th Annual Convention of the Oil Technologists' Association of India (OTAI) will be held at the H.B. Technological Institute in Kanpur, February 1-2, 1972. The annual symposium to be held at that time will cover the techno-economic aspects of oil-based industries in the

Supply Plan of Fats and Oils in Fiscal Year of 1971,
Thousand Metric Tons

Type	Edible	Industrial	Export	Total
Import	885	359	43	1,287
Domestic production	206	70	21	297
Total	1,091	429	64	1,584

seventies, under the following technical sessions: (1) growth in oil resources; (2) processing; (3) refining and hydrogenation; (4) soaps, detergents and surface coatings. D.R. Dhingra will convene the symposium with the assistance of T.R. Sharma. Both the convention and the symposium are being organized by the OTAI Central Zone, president of which is Shri. Hriday Narain.

OTAI Southern Zone Conducts Seminar on Castor

A seminar on castor seed, oil and cake was held October 9-10, 1971 with about 175 participants from government agricultural departments, research laboratories, universities and industries. After a welcome address by G.S. Sidhu and introductory remarks by M.A. Sivasamban, the seminar was inaugurated by S.S. Rajan of the Indian Agricultural Research Institute, Delhi, who highlighted the current trends and prospects in the breeding of new varieties of castor in India.

L.G. Kuklarni dealt with the development of a new semi-dwarf, short duration, high yielding castor grown in Andhra Pradesh, which is designated "Aruna." He suggested that farmers be given incentive to grow castor.

Another session, presided over by K.V. Mariwala, treated the utilization and export of castor oil. It was pointed out that castor oil is utilized more in the paint industry in countries such as England and the U.S., whereas in India it is used more in the soap industry except for small quantities for the manufacture of DCO, turkey red oil, hydraulic brake fluid and lubricants.

R.K. Bhatnagar presided over another session dealing with industrial utilization of castor oil products during which hydrogenation and dehydration of castor oil and manufacture of plasticizers and surfactants from castor oil were discussed.

The final session, under the chairmanship of J.G. Kane, dealt with the utilization and upgrading of castor cake. It was observed that the high protein content of the castor cake may be used as cattle feed if the present attempts to detoxify castor cake prove successful.

K.T. Achaya of the Protein Food Association delivered a popular lecture on the use of castor products.

J.G. Kane summarized the proceedings and read the recommendations of the seminar for: (1) incentives to farmers in Gujarat, Tamilnadu and Andhra Pradesh to produce the new short duration, high yielding varieties of castor; (2) the establishment of an organization similar to the Food Corporation of India to prevent constant price fluctuation of oilseeds, especially groundnut and castor; (3) reconsideration of the proposed ban on utilization of castor oil for soap manufacture; (4) future research on new outlets in the form of speciality products; (5) feeding trials on castor cake to reexamine the toxicity.

Lecture Commemorates Death of K.S. Murti

On September 2, 1971, a memorial lecture to commemorate the death, one year ago, of K.S. Murti was presented at the Regional Research Laboratory, Hyderabad. After some initial remarks by G.S. Sidhu and J.G. Kane, a brief outline of Murti's life and his association with OTAI was given by M.A. Sivasamban. M.M. Paulose reviewed Murti's contribution to science.

The occasion was marked by the presentation of the manuscript of a monograph on "Cottonseed, Chemistry and Technology" written by Murti and presented by his son, K.V. Mohan. On behalf of the publishers of the monograph, the Council of Scientific and Industrial Research, K.T. Achaya accepted the manuscript.

The memorial lecture on "Chemical Reactions Involved in Deep Fat Frying of Foods" was delivered by B.R. Reddy, Director of the Oil Technological Research Institute in Anantapur, an institution developed by Murti who was its first director during 1951-1962.

Refresher Course Scheduled for February

A refresher course on surface coatings will be held at the Regional Research Laboratory in Hyderabad, February 14-24, 1972. The following areas, with special emphasis

on new developments, will be covered by lectures: (1) chemistry and technology of raw materials; (2) manufacture and processing of coating materials; (3) physico-chemical properties of surface coatings; and (4) modern techniques of analysis and testing. Lectures will be followed by demonstrations of selected modern analytical and testing techniques such as: (1) physical tests on the free film of coatings; (2) electrochemical tests on the prevention of metallic corrosion by paints; (3) particle size analysis and electro-deposition of water-based media and paints; (4) adsorption and pigment volume concentration; (5) chromatographic techniques, particularly thin layer and gas liquid chromatography; and (6) spectroscopic techniques like UV, IR and nuclear magnetic resonance. M. Yaseen of the Regional Research Laboratory will convene the short course.

OTAI Western Zone Conducts Fats and Oils Seminar

A seminar on fats and oils, organized by the OTAI Western Zone was held April 17-18, 1971, in Bombay. It was opened by P.L. Tandon, and was divided into three sessions: (1) agriculture presided over by M.S. Swaminathan; (2) technology, presided over by T. Thomas; and (3) economics and marketing, directed by M.A. Wadud Khan. In addition to the many papers presented under the above categories, two popular lectures were delivered, by R.K. Hazari, Deputy Governor of the Reserve Bank of India, and by F.A. Mehta, Director of M/S Tata Industries Pvt. Ltd.

President of India Opens Research Institute

V.V. Giri, President of India, officially opened the new Pilot Solvent Extraction Plant of the Oil Technological Research Institute (OTRI) at Anantapur, July 8, 1971. The plant has a capacity for handling three tons of oil cakes per day. It was designed by M/S Servotech Engineers Pvt. Ltd., and set up at the OTRI under the Special Development Programs of Rayalseema for the investigation of problems of the solvent extraction industry.



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Seminar on Pine Resin Held in New Delhi

A seminar on the "Role of Pine Resin in the Economic and Industrial Development of India" was held in New Delhi, April 13-14, 1971. Sessions on forests, rosin and turpentine were conducted. Numerous papers were presented under the following groups: (1) history, development and future of pine resin in India; (2) rosin, development of rosin derivatives and utilization by their consuming industries; and (3) utilization of turpentine, development of terpene derivatives from constituents of Indian turpentine oil for industrial use.

The seminar was sponsored and conducted by the producers and processors of rosin and turpentine in India. Details are available from P.A. Thakore, Sympine Committee, c/o Camphor & Allied Products Ltd., Jehangir Building, 133 Mahatma Gandhi Road, Bombay 1.

Spain Eduardo Vioque

Instituto de la Grasa y sus Derivados Holds May Meeting

The VIIth Plenary Meeting of the Assembly of Members of the Instituto de la Grasa y sus Derivados was held May 12-14, 1971, in Sevilla. Session chairmen were: J.M. Pinar, president of the Technical and Administrative Council of the Instituto de la Grasa; J.M. Martinez-Moreno, director of the Instituto; R. Lengaran, from the General Commissary of Food Supplies and Transports; and Mr. Carbonell, Munoz Rojas y Ribosa.

The first day sessions were devoted to study of the report on "Analysis and Normalization in the Field of Oils," with J. Gracian as chairman. The paper, "Contribution to the Normalization of the Gas Liquid Chromatographic Analysis of Fatty Acids of Edible Oils" by F. Jimenez, was presented and discussed.

On the following day members studied the second report on "Profit of Extractable Olive Press Cake Residue (Orujillo) and Other By-Products," under the direction of Chairman J. Garrido, director of the Industrial Fermentations Institute. Papers presented in answer to this report were: "Orujo of Olives as a Feed" by Professor Perez-Cueto of Cordoba; and "The Studies of the Instituto de la Grasa Concerning the Profit of the Orujo" by Drs. Fombuena, Ramos and Huesa.

On the third and final day of the Plenary Session, a summary of the activities of the Instituto de la Grasa in connection with the industry was presented.

For the VIIIth Plenary Assembly of Members in 1972, the following subjects were suggested: nonmanual harvesting of olives, mechanical and physical-chemical methods; process control in the olive oil industry; and packing and storage of oils.

Spanish Committee on Detergency Gets New Name

The ordinary and extraordinary general assemblies of the Spanish Committee on Detergency were conducted by Dr. Miro, March 5 in Barcelona.

It was decided by the extraordinary Assembly that in the future the Committee shall be referred to as the "Spanish Committee on Detergency, Surface Active Agents and Related Products (CED)," in an attempt to clarify the Committee's main objectives.

In the ordinary assembly Dr. Miro reported on the activities of the "Comite International des Derives Tensioactifs" (CID and CED) during 1970. He also announced the organization of the VIth International Congress on Detergency to be held in Zurich, September 1972. Spanish representatives to the Congress will be Drs. Costa, Lascaray, Martinez-Moreno and Miro. Dr. Miro emphasized the improvement in relations between the Tensioactive Group of the National Syndicate of Chemical Industries and the CED, as well as the advancements in the information service to members of the CED, particularly the reports on foreign patents and the key words in the bibliographic summaries.

During the Assembly Dr. Miro presented news of the

Third Meeting of the CED, to be held in Barcelona in February or March of 1972, and he announced several Short Courses devoted to the training of personnel—laboratory technicians, factory employees and instrumentation specialists.

Finally, the Presidents of the Commissions on Terminology, Analysis and Testing Methods reported on work carried out during 1970. Two new members of the CED were appointed: F. Comelles, Superquimica; and J.J. Garcia Dominguez, research fellow from the Textile and Tanning Institute, as Secretary.

Oil Technologists Meet in Torremolinos

The Third International Conference of Oil Technologists, under the sponsorship of the "Federation Internationale d'Oleiculture," met June 14-19, 1971, in Torremolinos, Malaga. Various sections of the Conference were: Agronomy 1 (basic research), Chairman Scaramuzzi; Agronomy 2 (culture improvements), Chairman Morettini; Olive Oil Technology, Chairman Guessous; Table Olive Technology, Chairman Cariotakis; Oil Chemistry, Chairman Martinez-Moreno; and Economy and Commerce, Chairman Mahboui.

Numerous papers were presented to the first section, on the physiology of olive oil nutrition, parasites and diseases, improvement of culture, fertilization, pruning, parasite eradication, watering mechanization, herbicides, etc. A frequent topic was the mechanical harvesting of olives, for which a satisfactory method is yet to be found.

Related to olive oil technology, the main topics were the keeping of mill olives and the problems of the old method of oil extraction by pressure. Two papers were presented concerning the conservation of oils in several types of bottles.

Papers in the section on table olives were concerned with the picking of green olives, huge mass fermentations, and microorganisms; some papers dealt with the subject of black olives.

The most outstanding topics in the oil chemistry section regarded the characteristics of olive oils from the different countries, and the economical and commercial section studied the socio-economic role of the olive tree and the future of the olive industry.

At the end of the Conference, those attending made a trip to Sevilla where they visited the laboratories, the experimental mill and the pilot plants of the Instituto de la Grasa, and a typical factory for picking olives in Dos Hermanas, Sevilla.

Congress of Microbiology Convenes in Barcelona

The Third National Congress of Microbiology met in Barcelona, June 3-5, 1971. Presenting the inaugural lecture was R. Sohier of the Faculty of Medicine and Pharmacy in Lyon. Two symposia were conducted: on "The Teaching of Microbiology," Professors Rodriguez, Matilla, Vilas, Rey and Ramos; and on "Bacterial Genetics," Drs. Prevosti and Pares. J. Ingraham, University of Davis, California, lectured on "Sensitive Mutants to Cool and Minimum Temperature of Bacteria Growing," and Dr. Gonzalez of the Instituto de la Grasa, presented a paper on "Fermentation of Pepper Used to Stuff Green Olives."

Scandinavia Reinhard Marcuse

LIPIDFORUM Seminar Meets in Göteborg

During November 12-13 a seminar on the metabolism of human adipose tissue was organized by the Scandinavian Forum for Lipid Research and Technology in collaboration with Per Björntorp at the Sahlgrenska Hospital in Göteborg. It was attended by about 65 persons from Denmark, Finland, Norway and Sweden, and 15 papers were presented by lecturers from these countries. The following main aspects were treated: glucose metabolism and influence of insulin, particularly in relation to fat cell size; lipoprotein lipase; and lipolysis. The lectures

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• Four Corners . . .

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were followed by extensive discussions. The seminar was supported by the Society for Nutritional Research of the Swedish Margarine Industry, and a similar one is planned for next spring.

XIth World Congress on Lipids Planned for June of '72

The first preliminary announcement of the next World Congress on Lipids, which will take place in June 18-22, 1972, in Göteborg, has met with an unexpectedly large interest. More than 400 applications for attendance and more than 100 announcements of papers have been obtained. Participants from at least 25 countries are expected.

The program will include the following sections: (1) Lipid biosynthesis, composition and analysis (program chairmen: L-Å Appelqvist and O. Renkonen); (2) Lipid metabolism in relation to clinical problems (chairman: P. Björntorp); (3) Lipids in foods (O. Braekkan); (4) Surface chemistry (S. Friberg); (5) Oil processing (P. Möller); (6) Industrial fatty acids (R. Ohlson). Symposia planned are: (1) Flavours and lipids (chairman: S.S. Chang, USA; cochairman: E. von Sydow, Sweden); (2) Lipid biophysics (chairman: D. Chapman, England; cochairman: S. Abrahamsson, Sweden); (3) Lipid oxidation analysis (chairman: A. Seher, Germany; cochairman: R. Marcuse, Sweden); (4) Lipase and lipoxygenase (chairman: J. Boldingh, Netherlands; cochairman: C. Ericsson, Sweden); (5) Marine oils (chairman: E. Stansby, USA; cochairman: O. Notevarp, Norway).

Three courses will be arranged before and after the congress. One will treat "Mass Spectrometry of Lipids" and will be directed by Sixten Abrahamsson and Einar Stenhagen. Another—on "Surface Chemistry Methods"—is being prepared by Stig Friberg. Finally, Artur Seher, Münster, will arrange a course on "Application of Chromatography for the Analysis of Lipids."

There will be appropriate localities for exhibitions by Scandinavian firms as well as companies from abroad. Technical visits will be arranged in Helsingborg, Sweden, Aarhus, Denmark and Fredrikstad, Norway, and a number of social activities are being prepared. The second circular with the preliminary program will be distributed during December. For information please contact the Congress Office, ISF 1972 Congress, Fack, S-400 32 Göteborg 31, Sweden.

Lipids Symposium Held at Grenå

During June 22-25, 1971, the VIth Scandinavian Symposium on Lipids was organized at Grenå, Denmark, as part of the activities of the Scandinavian LIPIDFORUM. These Scandinavian symposia, which take place every second year, alternating in the various Scandinavian countries, are met with increasing interest. At Grenå there were about 160 participants and about 30 papers were presented. The program has earlier been announced in Four Corners (JAOCs 48:145A, 1971). One afternoon was devoted to the discussion of 15 items of actual interest in small groups, an idea which was found very useful.

The meeting took place in a modern, most appropriate school, nicely situated at the seaside, and was very well organized by Ole Tolboe, Århus. The

papers, in Scandinavian languages, are now in press provided with abstracts in English. The price of the publication will be between 30 and 50 Dan.crs., and can be ordered through LIPIDFORUM, % SIK, S-400 21 Göteborg 16, Sweden.

Oliefabrik Celebrates 100th Anniversary

On September 14, Aarhus Oliefabrik A/S, one of the largest oil refineries in Scandinavia, celebrated its 100th anniversary. It was originally founded under the name of Aarhus Palmekaerfabrik. Ownership and structure changed through the years until factory was registered in 1918 as an independent, purely Danish-owned company. Today's total annual capacity is about 300,000 tons, and a world-wide sales organization has been established for the marketing of the products, which include oils and fats and their derivatives as well as foodstuffs. A 20 page brochure on the history and development of the Company has been published, in Danish, as a special issue of the journal *Oliepressen*.

Hans Schulze Retires

AOCS Member Hans J. Schulze '63—Sr. Partner, New Jersey Feed Lab., Trenton, N.J., has retired and is now living in Germany.

• Fats and Oils Report . . .

(Continued from page 476A)

have demonstrated that they can effectively use the futures market trading techniques when it is properly in tune with the cash market situation. They have also demonstrated that they will not use it extensively when it is unsound economics to do so.

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