

900 expected at World Conference



Processing of Palm, Palm Kernel & Coconut Oils

Approximately 900 persons are expected to participate in the AOCs/PORIM World Conference on Processing of Palm, Palm Kernel and Coconut Oils to be held Nov. 11-16, 1984, in the Hilton Hotel in Kuala Lumpur.

In addition to processing, the conference will focus on production, economics and uses of the three internationally important tree oils. An international committee has developed the program and selected speakers for the five-day meeting. The committee is headed by the director-general of the Palm Oil Research Institute of Malaysia, Tan Sri Datuk Dr. Anuwar Bin Mahmud. Conference program co-chairmen are David C. Tandy, vice president of EMI Corporation of Des Plaines, Illinois, and Kurt G. Berger, special advisor to the PORIM director-general in Kuala Lumpur,

Malaysia.

Malaysian government officials will participate in the opening ceremonies at 8:30 a.m. Monday, Nov. 12. The technical sessions will begin with a general overview of world trade, effects of biotechnology on the industry and a review of the palm oil processing industry. A session on the chemical and physical properties of the oils will be held Monday afternoon. The Tuesday morning session will concern processing to obtain oil from oil palm and coconut, and disposition of by-products and wastes. Tuesday's afternoon session will concern oil refining, including quality control and energy conservation. The non-edible uses of the oils will be the focus for the sessions Wednesday morning and afternoon. On Thursday, speakers will discuss how

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oils can be modified for specific uses, including such processes as fractionation, hydrogenation, interesterification and enzymatic processing. On Friday there will be presentations on edible uses for the oils as well as talks on quality control. The conference will conclude Friday afternoon with a closing ceremony.

In addition to the daily formal lecture sessions, there will be informal discussion groups each day. An accompanying exposition will give registrants a chance to see the latest equipment and services offered by suppliers to the industry.

Optional industrial site visits will be offered Thursday afternoon. There will be a post-conference industrial tour on Saturday, Nov. 17, as well.

Production of all three oils is expected to increase through the end of the century, with palm oil and palm kernel oil supplies increasing more rapidly than coconut oil supplies. Palm oil is expected to increase its share of the international fats and oils trade significantly by the end of the century.

Participating organizations in the conference include: Deutsche Gesellschaft für Fettwissenschaft, West Germany; Food and Agriculture Organization of the United Nations, Italy; The Hong Kong Chemical Society, Hong Kong; International Association of Seed Crushers, United Kingdom; Institute of Food Research and Products, Thailand; Italian Oil Chemists' Society, Italy; Japan Oil Chemists' Society, Japan; Malaysian Institute of Food Technology, Malaysia; Malaysian Oil Palm Growers Council, Malaysia; National Institute of Oilseed Products, United States; Nigerian Institute of Oil Palm Research, Nigeria; Tropical Products Institute, United Kingdom, and the United Coconut Association of The Philippines.

Program at a Glance

Saturday, November 10

1400 - 1700 Registration—Kuala Lumpur Hilton Hotel, Lower Level

Sunday, November 11

1200 - 1730 Registration
1800 - 1930 Reception—Exhibit Hall, Lower Level

Monday, November 12

0700 Registration
0800 - 1000 Opening Ceremonies
1030 - 1245 Session I—General Overview
1245 - 1320 Discussion
1320 - 1450 Lunch
1450 - 1615 Session II—Properties of Oils
1615 - 1700 Discussion

Tuesday, November 13

0830 - 1135 Session III—Processing of Fruit
1135 - 1320 Session IV—Oil Processing
1320 - 1450 Lunch
1450 - 1620 Discussion

Wednesday, November 14

0830 - 1115 Session V—Industrial Uses of Palm, Palm Kernel and Coconut Oils—I
1115 - 1255 Session VI—Industrial Uses of Palm, Palm Kernel and Coconut Oils—II
1255 - 1425 Lunch
1430 - 1600 Discussion

Thursday, November 15

0830 - 1130 Session VII—Modification Processes
1130 - 1300 Discussion
Afternoon Free for Technical Visits
2000 - 2400 Malaysian Night Party

Friday, November 16

0830 - 1115 Session VIII—Edible Products of Palm, Palm Kernel and Coconut Oils
1115 - 1320 Session IX—Maintenance of Quality for Palm and Lauric Oil Products
1325 - 1500 Lunch
1500 - 1620 Discussion
1620 - 1650 Summary of Technical Papers
1650 - 1720 Closing Ceremonies
1730 - 1830 Closing Reception



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Social events

There will be three all-conference social events for technical registrants and spouses' program registrants.

The first will be a welcoming reception at 6 p.m. Sunday, Nov. 11, in the conference exposition area on the lower level of the Hilton Hotel. The reception will mark the formal opening of the exposition.

The second will be a Malaysian festival event opening at 8 p.m. Thursday, Nov. 15, in the ballroom on the lower level of the Hilton Hotel. Traditional crafts will be demonstrated. Food will be served from market stalls. Music, beverages and entertainment also will be provided.

The third event will be a closing reception immediately following the closing ceremonies on Friday afternoon, Nov. 16.

Spouses' Program

There will be four days of visits to historic and scenic Malaysian sights as part of the spouses' program.

All spouses' program registrants may participate in the all-conference social events as well as the tours listed below. The all-conference events include the welcoming reception in the exposition area Sunday, Nov. 11; the Malaysian Festival Thursday evening, Nov. 15, and the closing reception Friday afternoon, Nov. 16.

Tours for the spouses' program are:

Monday, Nov. 12: A city tour of Kuala Lumpur will begin at 9 a.m. The tour will visit the Lake Gardens, Parliament House, National Museum, National Mosque, Tun Razah Memorial, National Memorial and National Art Gallery. Lunch and a style show at the Yazmin restaurant are included in the tour. Participants will return at approximately 4 p.m.

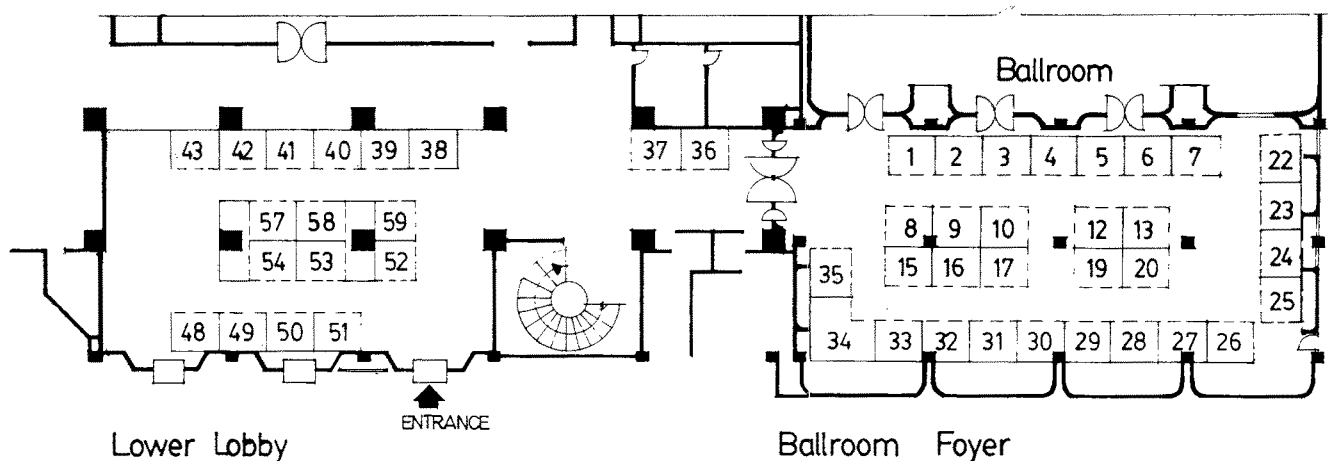
Tuesday, Nov. 13: Participants will visit the historic city of Malacca, south of Kuala Lumpur on Malaysia's west coast, overlooking the strategically important Straits of Malacca. The tour will include many points of interest, including the Portuguese settlement. The tour leaves at 9 a.m. and will return about 4 p.m. Lunch is included.

Wednesday, Nov. 14: A tour of the surrounding countryside will begin about 9 a.m. and return about 3 p.m. The tour will include a batik handicraft factory, silver craft center, Batu Caves and tin mines. Lunch also is included.

Thursday, Nov. 15: Participants will select one of two tours. Each begins at 9 a.m. One tour will be of the resort areas in the Genting Highlands near Kuala Lumpur. This tour will return about 4 p.m. The second tour will be an educational tour to the headquarters of the Palm Oil Research Institute of Malaysia (PORIM), visiting the administration and technical facilities. This tour should return about 1 p.m.

No tours are scheduled for Friday, Nov. 16, but spouses' program registrants may attend the closing reception Friday afternoon.

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Exhibitors

The following firms are participating in the exposition accompanying the AOCS/PORIM World Conference on Processing of Palm, Palm Kernel and Coconut Oils. Persons attending the conference may seek more detailed information at the exhibit booth listed; persons not attending the conference who want more detailed information should write to the firm at the address given.

Alfa Laval (Malaysia) Sdn. Bhd. (Booths 22 & 23). The firm will display models of machines and plants, posters, slides and sales literature. Address: PO Box 83, Shah Alam, Selangor, Malaysia.

Amandus Kahl Nachf. (Booth 4). With 65 years of experience of pelleting, particularly in the oil industry, Amandus Kahl Nachf. will entertain inquiries regarding the pelleting of extraction meals and oil cakes. Information on energy savings and improved pellet quality will be available. The exhibit will include schematics and photographic materials of existing installations and samples of products. Address: Kahl Nachf. (GmbH & Co.), Dieselstrasse 5-9, Reinbek b., Hamburg 2057, West Germany.

Artek Engineering Sdn. Bhd. (Booth 25). Information will be available on selfpriming, non-selfpriming and vacuum-pumps from Sihi and Halberg, West Germany. Address: 30 Jalan Medan Midah, Taman Midah, Cheras, Kuala Lumpur, Malaysia.

ATT Verfahrenstechnik GmbH (Booth 24). Address: Ludgeriestrasse 9, D-4400 Münster, West Germany

Avery Malaysia Sdn. Bhd. (Booth 42). Address: No. 8A Jalan 213, Petaling Jaya, Selangor, Malaysia.

Behn Meyer & Co. (M) Sdn. Bhd. (Booths 38 & 39). The firm will have information on quality activated clay from Filtrol and others for edible oil, sodium lauryl sulphate and food emulsifiers from KAO Corporation, Kenite Filter Aid

from Witco Corporation, various oil antioxidants, vitamins, fragrances and beta carotene from BASF, high purity chemicals from J. T. Baker, glassware from Walter Graf and other additives. Address: 468-7 Jalan Ipoh, Kuala Lumpur, Malaysia.

Carl Aug. Picard GmbH & Co. KG (Booth 35). The firm will exhibit spare parts which they manufacture for screw presses. Address: 9, Hasteraue, 5630 Remscheid 1, West Germany.

C.M. Bernardini S.p.A. (Booths 12 & 13). The firm will exhibit models of plants for fractionation of palm oil and other oils, refining including continuous bleaching, filtering, deodorizing and physical refining, winterizing and others. Photographs will show the Bernardini factory; literature will be available. Address: 2, Via dei Castelli Romani, 00040 Rome, Italy.

Dammen Croes (Booth 49). Photographic displays and product literature will describe a wide range of machinery for oil mills: preparation, grinding, flaking, cooking and expelling. Included are details on grinders up to 550 tons a day, flakers up to 840 tons a day, pre-presses up to 200 tons a day, final presses up to 50 tons a day, and complete oil mills up to 3000 tons a day. Address: Dammen Croes N.V. S.A., 8800 Roeselare, Spanjestaat 55, Belgium.

The Duriron Company (Booth 10). The exhibit will feature a model of a press filter and a centrifugal pump, a full-sized membrane filter plate and filter leaf screen and a 1" plug valve. Address: Honma Building, Second Floor, 507 Shibuya, 2-Chome, Shibuya-Ku, Tokyo 150, Japan.

Extraction De Smet S.A. (Booth 15). Scale models of fractionation and refining units and a video display of De Smet plant in operation will be displayed. Address: B-2520 Edegem, Antwerpen, Belgium.

Extraktionstechnik GmbH (Booth 37). Information will be available on the firm's services as a turnkey contractor for

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complete vegetable oil extraction plants, refining, fractionation, hydrogenation and down stream process. Address: Posfach 76 03 69, D-2000 Hamburg, West Germany.

Fratelli Gianazza S.p.A. (Booth 53). The firm will feature photographic panels showing plants for edible oils, fats and glycerine treatment. Address: 78-84 Viale Cadorna, Milano, 20025 Legnano, Italy.

George Kent (M) Berhad (Booth 50). George Kent is long established in trading, contracting, engineering, manufacturing and after-sales services throughout Malaysia and Singapore. Main exhibits will include Enraf-Nonius automatic tank level and temperature gauging equipment, Packard gas chromatographs, Fosslet oil and free fatty acid analyzers and Kent instrumentation and process controls. Address: 2, Lorong 19/1A, Petaling Jaya, Selangor, Malaysia.

Haldor Topsøe A/S (Booth 5). The firm will exhibit hydrogen production plants based on methanol decomposition and show a model of a plant with a capacity of 200 NM³/hr. Further, the firm's fatty alcohol technology via the methyl ester route will be presented. Address: Nymollevvej 55, DK-2800 Lyngby, Denmark.

Harshaw Chemie B.V. (Booths 52 & 59). Information will be available on Harshaw catalysts for specific hydrogenations of diverse oil feedstocks, Filtrol bleaching earth and a full range of products for all bleaching applications. Address: 67 Strijkviertel, De Meern, The Netherlands.

Henkel Oleochemicals (M) Sdn. Bhd. (Booth 7). This is a joint venture company between Henkel KGaA Germany, Jomalina Sdn. Bhd. and Socoil Corporation Bhd., Malaysia, producing oleochemicals from palm oil products. The firm will exhibit its range of methyl esters, fatty acids and glycerine, which are used in the soaps, detergents, toiletries, cosmetics, surface coatings and lubricant industries. Address: Lot 4 Jalan Satu, Telok Panglima Garang, Batu 9 Jalan Banting, Klang, Selangor, Malaysia.

Eberhard Hoesch & Sohne GmbH & Co. (Booth 41). Information will be available on membrane filter presses to separate stearin from olein with an increased yield of olein, agitators for crystallizers, engineering and station construction for the plant, section filtration and separation. Address: Huttenstrasse, 5160 Duren, West Germany.

Industrial Boilers & Allied Equipment Sdn. Bhd. (Booth 27). They will display the IBAE-Fraser, maxitherm watertube and firetube boilers for palm waste firing, Saacke burners, water softeners, anti-pollution equipment and industrial autoclaves. Address: Jalan Utas, Kawasan Perusahaan, Peringkat II, Shaha Alam, Selangor, Malaysia.

Krupp Industrietechnik (Booth 29). Pictures and information concerning the pressing of oil-bearing fruits and seeds and the extraction and refining of vegetable oils will be on display. Address: Werk Harburg, Seevestrasse/Bahnhofinsel, 2100 Hamburg 90, West Germany.

Laporte Industries Limited (Booths 33 & 34). The exhibit will feature Fulmont bleaching earths and the recently introduced "Fulanox" range of blended antioxidants. Address: Moorfield Road, Widnes, Cheshire, England.

LFC Lochem B.V. (Booth 40). Information will be available on pressure leaf filtering equipment for the filtration of edible/vegetable oils in the following applications: bleaching clay removal, winterization, nickel catalyst removal, crude oil filtration and all polishing applications. LFC Lochem also will show the supply of new, replacement and spare filtering elements for pressure filters. Address: Havenstraat 5, P.O. Box 35, 7240 AA Lochem, The Netherlands.

Lindeteves Jacoberg (M) Sdn. Bhd. (Booth 54). Information will be available on Amafilter filtration equipment, including Niagara pressure leaf filters for crude oil, bleaching earth and nickel catalyst filtration, vacuum drum filters for winterized oil filtration, trap, cartridge and bag filters for polishing filtration of bleached and deodorized oil. Address: Lot 6 Jalan 223, Petaling Jaya, Selangor, Malaysia.

Lion Corporation (Booth 28). Lion's exhibit will feature the continuous esterification process (ES Process) and sulfonation process for obtaining high quality toilet soap, alpha sulfo methylester and related derivatives. Address: 3-7, Honjo 1-Chome, Sumida-ku, Tokyo, Japan.

Lurgi (Booth 51). Lurgi will give a survey of its work: research and development, engineering, supply, construction and commissioning of plants to process palm, palm kernel and coconut oils. Lurgi's range of processes for the production and processing of oils and fats covers production of crude oil by solvent extraction and refining of this oil by chemical and/or physical methods, splitting of oil under pressure, recovery of pure fatty acids and glycerine and production of fatty alcohols by hydrogenation of fatty acids. Address: P.O. Box 11 12 31, D-6000 Frankfurt am Main 11, West Germany.

Maschinenfabrik Reinartz GmbH & Co. KG (Booth 6). Detailed documentation will be available on the firm's oil expellers and related equipment (capacity range from 70 kg/hr to 150 t/24hr) for the mechanical processing of palm kernels, copra, sesame and other oilseeds. Address: Industriestrasse 14, D-4040 Neuss 1, West Germany.

G. Mazzoni S.p.A. (Booths 57 & 58). General literature, photographic panels and small scale model plants for vegetable oil will be displayed. Address: P.O. Box 421, 21052 Busto Arsizio, Italy.

Mecomb Malaysia Sdn. Bhd. (Booth 16). The firm will exhibit the Hitachi model 638-50 HPLS, model 663-30 gas chromatograph and model 270-50 IR spectrophotometer. Address: P.O. Box 24, Petaling Jaya, Selangor, Malaysia.

Schmidt Malaysia (Booth 32). As agent for Metrohm (Switzerland) and Brabender (West Germany) Schmidt will display Metrohm's Ranciment for edible oils and fats oxidation stability, Karl Fischer titrators and general purpose titrators, Brabender's Viscotron universal rotational viscometer for the laboratory and production control. Address: Schmidt Scientific Sdn. Bhd., Wisma Mirama, 12 Floor, Jalan Wisma Putra, P.O. Box 10592, Kuala Lumpur 08-05, Malaysia.

Simon-Rosedowns Limited (Booths 1 & 2). The display will
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detail the company's experience in supplying complete extraction and refining plants for palm, palm kernel and coconut oils. The "Mark 5" screw press and "Econoflow" deodorizer will be featured. Address: Cannon Street, Hull, N. Humberside HU2 OAD, England.

Süd Chemie A.G. (Booths 19 & 20). Information will be available on Tonsil highly active bleaching earths for the adsorptive deodorization and purification of oils, fats and waxes, advanced nickel catalysts of uniform individuality, NF 20 exceptional activity and selectivity for the more difficult hardening applications such as fish oil, rapeseed oil and canola oil, FS 40 optimized for fatty acid hydrogenation. Address: Postfach 20 22 40, 8000 Munchen 2, West Germany.

Tintometer GmbH (Booth 30). The firm will display Lovibond color measuring and color grading instruments, Lovibond Automatic Tintometer for color according to Lovibond and AOCS specifications, including chlorophyll and carotene. Address: Westfalendamm 73, D-4600 Dortmund 1, West Germany.

S.A. Fractionnement Tirtiaux (Booth 8). The display will feature photographs, samples, mobile displays and a film about the Tirtiaux processes of fractionation and physical refining. Address: 601 Chaussee de Charleroi, 6220 Fleurus, Belgium.

United Engineers Malaysia/EMI Corp. (Booth 17). Slides and literature will illustrate United Engineers Malaysia's capability in construction and supply of complete processing plants and EMI fats and oils processes for oilseed extraction, edible protein, lecithin, chemical and physical refining, vacuum bleaching, dewaxing, hydrogenation, fractionation and winterizing. EMI and United Engineers catalogs will be available. Address: P.O. Box 115, Kuala Lumpur, Malaysia.

Usine de Wecker S.a.r.l. (Booth 36). Information will be available on services as a turnkey contractor for complete palm oil mills and as a supplier of equipment. Address: Wecker, Luxembourg.

Westfalia Separator (Booth 31). On display will be centrifugal separators and decanters as single machines or in completely equipped process lines for palm oil recovery, press oil clarification, degumming, caustic refining, winterization, fractionation, acid oil recovery and soap manufacturing, specialized systems for process automation, control and loss monitoring including detailed process know-how and servicing. Address: 7M, Jalan SS 21/37, Damansara Utama, Petaling Jaya, Malaysia.

Wurster & Sanger, Inc. (Booth 26). Catalogs, technical literature, plant photographs and process flowsheets reflecting the complete capabilities of Wurster & Sanger as process engineers for the fats and oils industry will be featured. W&S custom builds plants for oilseeds, fats and oils, fatty acids, glycerine and by-products. Samples of products from W&S processes will be displayed. Address: 222 W. Adams St., Suite 1500, Chicago, IL 60606 USA.

Zone Devices (Booth 9). Address: Tulameen, British Columbia VOX 1G0, Canada.

Buss Hardening Plant for Brake Fat Refinery in Germany

In July 1982, Brake Fat Refinery at Brake in Germany, a Unilever Group company, ordered a Buss Loop Reactor for the hydrogenation of oils and fats from Buss AG, Basel, Switzerland. The specification called for a batch size of 20 tons and a maximum iodine number reduction of 100 units.

Buss's contract covered the engineering, supply of plant components, and erection supervision.

In December 1983, after an 18-month construction period, both mechanical commissioning and trials with oil were carried out successfully. Brake Fat Refinery accepted the plant unconditionally and confirmed that Buss had met its commitments.

Which means that one more major food producer has joined the ranks of satisfied operators of Buss Loop Reactors.

Ask for detailed information:
Buss AG, Basel
CH-4133 Pratteln · Switzerland
Telex 968080

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Herzog-Hart Corporation
Boston/Mass. 02116
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