

Exhibit highlights

World conference exhibitors displayed a number of new or expanded products and services available in the industry. Among these were the following:

New applications

- ATT-Verfahrenstechnik GmbH's falling film principle for deacidification and deodorization of oil during physical refining. Two facilities using this principle are slated to go on line in 1986—a 1,000-metric tons (MT) per day facility in Malaysia and a 150-MT per day facility in Paris, France. According to ATT representatives, this is a new application for this principle, already used in the evaporation process at fatty acid fractionation facilities. Oil & Fat Consulting, which shared a booth with Damman-Croes, also was marketing its falling film process; this company said the first industrial application of its process was incorporated in a 350-MT per day palm oil physical refining facility in Malaysia which went on line in September.
- UOP Inc.'s Sorbex Process to separate products not readily separated by other techniques—such as mono and diglycerides—using absorbents. UOP representatives said use of this process in the edible industry is a new application; the process has been used in the petrochemical industry for years. UOP said it can be applied in continuous column chromatography which uses rotary valve technology.
- Norsk Hydro Electrolysers' electrolyzer units for food applications. The company, which originally designed electrolyzers for use in its own fertilizer plants in 1927, is now marketing them to the food industry.

Behind the scenes

As the first registrants checked in at the registration desk Sunday afternoon, arrangements chairman Aldo Uzzan headed away from the conference center. The reason? To take "a dip" in the Mediterranean. Temperatures, while not hot, were warm enough to tempt Uzzan and a few other conference participants to go swimming before the sessions began.

Jean-Paul Helme, program cochairman along with Tim Mounts, set up a display of his watercolors and oils downstairs in the conference center among the exhibits. This "gallery" added an extra splash of color and culture to the exhibit area. Asked about his paintings, Helme said he had painted his first watercolor at age 14. "I'm a chemist, but painting is very important to me," he explained.

"Take our photos. We've traveled the farthest," exhorted several participants from South Africa at the Monday evening reception hosted by the city of Cannes. A look at the registration list shows participants attended from Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, Columbia, Denmark, East Germany, Egypt, England, Finland, France, Greece, Haiti, India, Indonesia, Iran, Iraq, Israel, Italy, the Ivory Coast, Japan, Kenya, Malaysia, Mexico, Morocco, Mozambique, The Netherlands, New Zealand, Nigeria, Norway, Pakistan, Poland, Portugal, Scotland, Singapore, South Africa, Spain, Sudan, Surinam, Sweden, Switzerland, Taiwan, Turkey, the United States, Venezuela, West Germany, Yugoslavia and Zimbabwe. Probably the ones traveling the farthest came from Australia and New Zealand.

AOCS president Joyce Beare-Rogers and a number of AOCS past presidents were among those participating in several of the spouses' program trips. Beare-Rogers said not only were the food and sights enjoyable, but she had the opportunity to practice and polish her French with others taking part in the trip. Beare-Rogers was among those coaching Timothy Mounts Sunday night to master a greeting in French to use at the opening ceremonies for the conference. Beare-Rogers is required by her Canadian government post to be officially bilingual.

Seven technical people representing seven facilities in Yugoslavia attended the world conference. They then went on to Zurich to attend the short course on processing. At an informal cocktail hour and dinner hosted by Buhler Brothers after a tour of the Buhler facility, one of the members of the Yugoslavian group commented, "I'm not used to living this lavishly." On the bus trip back to Zurich, they joined in to sing folk songs.

At its booth in the exhibit area, the American Soybean Association (ASA) promoted use of soybean oil in pesticides and as a grain dust suppressant. "People are very interested in soybeans, so they seem to be interested in anything and everything related to them," Rita Batens of the ASA Brussels, Belgium, staff said, explaining that she was rapidly running out of literature about these uses.

New processes, products

- Schumacher Consulting Engineers' two-stage countercurrent bleaching process, a seed

treatment process for physical refining of soybean oil, and a process for toasted full-fat meal with high content of water-soluble protein.



Representatives of such companies as Extraktionstechnik GmbH of West Germany (above), the East German firm SKET Export-Import (shown at left) and Laporte Inorganics of England (below) were kept busy answering questions about their products and services displayed in the exhibit hall.



- Tecmachine S.A.'s new process for obtaining higher protein meal, featuring a new dehuller and sorting process for large operations to handle rapeseed or sunflowerseed.
- Alfa-Laval's latest refining centrifuge, Model SRPX714, providing 500-MT-a-day oil capacity. Company spokesmen said the unit is computerized. Also, the company was promoting its new energy recovery system for deodorization. The company said one unit is now in operation in Chile, while three others are scheduled to go on-stream in the United Kingdom in early 1986.
- Extraktionstechnik GmbH's circuit loop-type hydrogenation system and technology for wastewater-free extraction plants.
- Simon Rosedowns' computer control system for screw press extraction operation. The company said a prototype of the system has been installed in a Holland facility. The system is designed to eliminate manual operation error.
- Laporte Inorganics' Fulmont Super A, a bleaching earth primarily for physical refining and for difficult oils in chemical refining (i.e., grapeseed or poorer quality oils).
- Tecator's portable moisture meter for whole oilseeds, designed for use in plant, field or laboratory.
- Amafilter's filtration system to clean miscella after extraction as well as a filtration method to remove and refresh nickel catalyst during hydrogenation.
- Bailey & Caldwell Ltd.'s production of cohume oil. Company spokesmen said they had developed a method to separate cohume kernels from the thick-shelled nuts. The company has begun commercial plantings of this tree, native to British Honduras, and projects it will produce 1,000 tons a week of oil from the existing wild stands starting in 1986.
- Centrico and its parent company, Westfalia, exhibited model RSA 150, a machine for degumming and refining vegetable oils, with capacities ranging from 5,000 to 40,000 pounds per hour.
- SKET Export-Import of East Germany discussed its electric separator designed to remove shells from oilseeds. Also, it promoted its method for processing protein isolates from soybeans. Company representatives said the first facility using this process started up in June 1985 in the Soviet Union, with a 5-MT per day capacity.
- G. Mazzoni S.p.A.'s continuous bleaching process with oil recovery from the cake and semi-continuous hydrogenation with heat recovery.
- L.F.C. Lochem B.V.'s catalyst filtration process designed to reuse the catalyst in a closed system. The company also offered newly designed filter screens with smaller mesh sizes.
- Delsi Instruments' latest integrator/calculator/recorder to be used with gas chromatography or with its flame ionization system. It also demonstrated its flame thermal ionization detector.
- De Smet's MTD system to eliminate pollution sources during refining, mainly during deodorization. Also offered was an improved hydrogenation plant with energy recovery and automatically controlled hydrogenation reaction; a third product was a semicontinuous deodorizing system to treat products simultaneously at different deodorizing temperatures and processing times.
- CMB Bernardini exhibited a model of its new "Satellite" extractor, a horizontal tubular unit with several cells rotating around a fixed horizontal axis. As the cells rotate, they submerge oil-bearing material in the solvent in the lower half of the tube; then the material rotates up out of the miscella, providing immersion and percolation, a CMB representative said. Material moves horizontally through the tube as it is being alternately submerged and

Meetings

drained. Commercial units are expected to go on-stream in 1986.

- Fratelli Gianazza was discussing a new one-column fat-splitting column designed to provide concentrated sweet-water and to reduce energy usage. The column utilizes falling film technology.
- Tintometer's addition of an alpha-numerical display to its Lovibond tintometer which now can be connected to a computer.

New services

- Ifincorp Anteby Systems Ltd.'s bulk storage cleaning service. Ifincorp has developed a method designed to clean out materials such as soybean meal that clog silos and recover them in good condition. The recovery system uses air pressure and is done remotely.

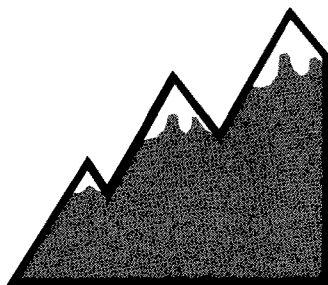
New business relationships

Meanwhile, a number of exhibitors were publicizing new relationships with other firms.

These included:

- Laporte Inorganics of Widnes, United Kingdom, manufacturer of the Fulmont range of activated bleaching earths, has amalgamated with Minas de Gador of Madrid, Spain.
- Damman-Croes and Oil & Fat Consulting, both in Belgium, are licensed to sell and manufacture Dravo's Rotocel extractor.
- S.A. Fractionnement Tirtiaux of Belgium is collaborating with Kirchfeld of West Germany to market fractionation systems using horizontal distillation units.
- De Smet has a licensing agreement with Unilever for superdegumming of vegetable oils in physical refining.
- The French Oil Mill Machinery Co. of Piqua, Ohio, promoted its licensing arrangement with Speichim, Paris, to manufacture and sell French Oil Mill equipment in Europe.

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