

• New Products

The Dairy and Special Products Division of the DREW CHEMICAL CORPORATION, Boonton, N.J., has announced the development of Co-freeze 100, a polyunsaturated fat source for dairy product substitutes. Co-freeze 100 contains a carefully selected and specially processed blend of coconut oil with a distinctive domestic oil. The identity of nutritionally essential fatty acids present, often destroyed by routine vegetable fat processing, remains intact in Co-freeze 100. It can be used as the fat source in a wide variety of dairy product substitutes, including beverage products, frozen desserts and cultured products. Co-freeze 100 is pre-emulsified, making it unnecessary to supplement it with additional ingredients in order to achieve a basic emulsion ability. Similarly, the presence of beta-carotene eliminates the need to develop a coloring system for products in which it is used. Co-freeze 100 is available in 50 lb. fiber containers with polyethylene liners.

CAMAG INC., Milwaukee, Wis., has announced the availability of an exclusive new developing system for determining optimum conditions for thin layer chromatograms with a minimum of trial and error. The Camag Vario-KS-Chamber allows the simultaneous development of several samples on a single plate under varying conditions. The chamber speeds the determination of optimum chromatographic conditions for a given mixture of compounds and helps to obtain resolution effects otherwise unattainable.

BECKMAN INSTRUMENTS, INC., has introduced a new, high performance circular dichroism (CD) spectrophotometer that performs over a wavelength range of 180 to 650 nm and attains CD sensitivities to 5×10^{-13} differential absorbance (ΔA). Circular dichroism is a measurement of the differential absorption of right and left circularly polarized light produced by the electronic transitions in optically-active chromophores. It is a direct measure of the asymmetry of the molecule at a particular wavelength, and an indirect measure of the surrounding structure contributing to the asymmetry of the chromophore being analyzed. For more information write Beckman Instruments, Inc., 2500 Harbor Blvd., Fullerton, Calif. 92634.

The new Stone JP 202S furnace platform provides a unique opportunity for the study of sample behavior in a steam environment. The new unit is operable with any LB 202 series recorder controller and also accepts the full range of standard sample holders. The JP 202S incorporates a boiler system plus controls for regulating pressure and flow of steam round the sample. With a dynamic steam atmosphere vital information regarding water involved reactions of minerals is revealed. In addition, simulated plant operating conditions with superheated steam can help solve major problems associated with the determination of catalytic activity. For further details contact: TRACOR, INC., Analytical Instruments, 6500 Tracor Lane, Austin, Texas 78721.

The Chromatofile, from APPLIED SCIENCE LABORATORIES, INC., State College, Pa., is designed to hold up to 2000 single page chromatograms in a space only 11 x 20 in. Filing and removal of the chromatograms is made easy by a unique friction binder. In addition to chromatograms, the Chromatofile will accommodate IR, UV, NMR and mass spectroscopy traces. Three models are available: Wall-mounted Pivot File, Wall-mounted Drop File and Roll Stand.

The widely used Hamilton Microliter Model 701 is now available in a new, replaceable needle configuration that permits damaged needles to be changed easily, quickly and inexpensively in the laboratory. The new Model 701RN has the same accuracy and low dead-volume as the earlier model, along with the cost and time saving features. It has a ten microliter capacity and is available with all common sizes of replacement needles. Contact the HAMILTON COMPANY, Whittier, Calif. 90608.

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Standard Physico-Chemical Nomenclature Proposed by C.I.T.

The International Commission of Terminology (C.I.T.) met in Madrid April 24-25, 1969. During this meeting it was explained that 13 definitions of general chemical terms will be presented to the International Organization for Standardization (I.S.O.) for study by its members and for adoption on an international level. The study of a new series of physico-chemical terms will be undertaken next year. The C.I.T. has preferred to wait and learn of the decisions taken by the International Union of Pure and Applied Chemistry in this domain. This committee has invited the C.I.T. to participate in its next research so that the work of the two committees may remain in harmony.

C.I.T. has received many suggestions for the definition of terms concerning the manufacture of soaps and it has asked the advice of the International Association of Soaps and Detergents in this matter. C.I.T. has also decided to establish a list of key words in the field of surfactants.

During the last International Congress of Detergency, C.I.T. distributed the brochure "A Vocabulary of Surface-Active Agents," which was published in three languages, German, French and English. Since then, the brochure has been translated in Russian, Serbo-Croatian and Spanish, and has been distributed throughout much of the world. Upon the advice of several specialists, a few modifications will be made and a new edition will be published shortly.

AOAC Annual Meeting

The 83rd Annual Meeting of the Association of Official Analytical Chemists will be held October 13-16, 1969, at the Marriott Motor Hotel, Twin Bridges, Washington, D.C. The latest developments in analytical methodology for many commodities and materials important to agriculture and public health areas will be presented and discussed.

About 1,500 chemists, microbiologists, physicists and their administrators are expected to attend, representing Federal, State, Provincial and local government agencies, universities and industries throughout North America. Over 230 papers will be given on new techniques, methods and instrumentation for analysis of drugs, feeds, fertilizers, foods, food additives, pesticides, flavors, beverages, contamination of foods, aflatoxins and related subjects.

A special feature of the meeting will be a symposium on methods for determining drug residues in animal tissues to be held Thursday, October 16.