Classified Advertising

POSITION WANTED

B.S. Chemical Engineer, with 15-years experience in food and vegetable oil processing, seeks employment in the Chicago area in engineering project management, process engineering and design. Experience has been in engineering research and development, process engineering, and process design in oilseed expelling, solvent extraction, and oil refining. Write Box 34, American Oil Chemists' Society, 35 East Wacker Drive, Chicago, Illinois 60601.

LIPID-PROTEIN RESEARCH CHEMIST

Ph.D. or equivalent experience interested in research on lipid-protein problems in foods at new Research Center in suburban Dallas, Texas.
Send resume and salary requirements to Dr. R. R. Allen, Box 63, Richardson, Texas 75080.

• *New Literature*

A new data sheet from VARIAN, Palo Alto, Calif., describes the wide range of plug-in accessories now available for use with the System T-60 NMR Spectrometer. Use of these accessories allows the versatile and inexpensive T-60 to perform investigations into many complex areas of research.

Bulletin ST 107 now available from TRACOR, INC., Austin, Texas, describes the high pressure section of the Stone total environment DTA system. The basic laws concerning chemical equilibrium indicate that pressure will always have significant effects on transitions which include gaseous decomposition or volume changes. Bulletin ST 107 illustrates the use of high pressure DTA with regard to dehydrations, oxidation, and explosive reactions.

"Harshaw Products For Science and Industry," a recently revised 60 page catalog from The HARSHAW CHEMICAL Co., Cleveland, Ohio, is a complete guide to the wide variety of products produced by Harshaw for myriad applications in both science and industry. It is divided into two sections, products listed by user industries, and products listed by Harshaw manufacturing departments. The use of subject tabs in each section, makes the catalog an excellent ready-reference guide for customers. The section covering industries served by Harshaw products is arranged alphabetically by industry, listing under each industry the products produced by Harshaw and typical application of each. This listing enables a member of any industry to quickly determine Harshaw's range of capabilities in specific areas.

The Water Services Division of UNIVERSAL OIL PRODUCTS Co., Burbank, Calif., has announced the availability of a new brochure describing its water treatment chemicals and Chemicator-brand automatic feeder. Chemicator, inexpensive and simple in design, provides automatic protection against scale, corrosion and slime in the recirculating waters of cooling towers and evaporative condensors. The eight-page brochure diagrams the unit, discusses applications, and charts the average usage of Chemicator refill tubes on various size systems. Also explained is the line of UOP Water Services chemical treatments for cooling systems, boilers, closed and potable systems, algae control, and other special applications.

• *Industry Items*

A new service, available without charge to present or potential users of the ultrasonic method of cleaning many types of laboratory equipment, glassware, porcelain, metals, instruments, utensils, has been announced by APEC-Acoustica, Culver City, Calif., world leader in ultrasonic cleaning equipment and methods. The firm has established the Ultrasonic Cleaning Chemicals and Processes Laboratory, which will assist both present and potential users of the ultrasonic method in solving their difficult cleaning problems. The service will be available to all without charge, regardless of the make or type of ultrasonic cleaning equipment they may have, or the type or make of cleaning compounds they may use. To obtain assistance from the Laboratory, all that is necessary is to complete a questionnaire, describing (a) the product that is being cleaned, (b) the equipment that is being used, (c) the cleaning compounds employed, (d) the cleaning process: time, temperature, ultrasonic power and frequency, etc., and (e) any restrictions that may exist: temperature extremes, if used, cleaning compounds known to attack the product, etc. After studying the questionnaire, the Laboratory will make its initial recommendations through an APEC-Acoustica Field Engineer, who will follow the suggested procedure in the customer's plant. If the task requires additional study and experimentation, he may send samples of the product to the Laboratory for further analysis. Thereafter, a recommended cleaning procedure will be copies of the questionnaire, may be obtained from Stan Abramson, American Process Equipment Corporation, 10826 Venice Blvd., Culver City, California.

NUCLEAR-CHICAGO, Chicago, Ill., a subsidiary of G. D. Searle & Co., announced that it has purchased a line of chromatography instruments from Barber-Colman of Rockford, Ill. On February 1, Nuclear-Chicago assumed responsibility for manufacturing, marketing and servicing these instruments, which are used extensively in laboratories to identify chemical compounds. The purchase represents Nuclear-Chicago's first diversification into nonnuclear analytical equipment.

A new anhydrous hydrofluoric acid plant will be constructed in Cleveland, Ohio by THE HARSHAW CHEMICAL Co., Cleveland, Ohio, a division of Kewanee Oil Company. The plant, using fluorspar and sulfuric acid as raw materials, and employing the Buss (Switzerland) HF process, will have a capacity of 50 metric tons/day. With initial phases already under way, the plant is scheduled to start up by the middle of 1971. It will help provide the significantly increased production capacity required to meet industry needs resulting from growth and a wide variety of new applications for fluorides. These include the use of HF acid in the production and/or treatment of metal prepared for the customer. Additional information, and alloys, glass, plastics and electronics (low arsenic HF). Fluoborates of sodium, potassium and ammonium have found uses in plastics, one being flame-proofing. The use of fluorocarbons in air conditioning and textile treatments is widening and a number of companies are developing new products employing fluorocarbons in their manufacture. Boron Trifluoride Complexes are catching on in the curing of thermosetting resins, and the use of HF as a catalyst in alkylation is on the upswing.

Harold Zale, former vice-president of Eastern Can Co., has formed ZALE CONTAINER CORP., Long Island, N.Y., specializing in cans, cartons and other metal and fiber containers for automative, chemical, oil, insecticide and other diversified chemical packagers. With more than 25 years of experience as a supplier of containers for the chemical field, Mr. Zale makes the following observation: "Over the years the demand for short packaging runs has been a constant problem in supplying chemical packagers. Therefore, we have established an inventory control system that will enable us to process small orders as quickly as large shipments." The company has its headquarters at 24-16 Bridge Plaza Square, Long Island City, N.Y.