• *New Products*

QUANTUM INDUSTRIES announced the availability of its new Quanta/Gram Series PQ precoated plates for preparative TLC. The new series is available in any of three standard adsorbents, with or without fluorescent indicator. Available types are: PQ1, Silica Gel; PQ1-F, Silica Gel with fluorescent indicator; PQ2, Microcrystalline cellulose; PQ2-F, Microcrystalline cellulose with fluorescent indicator; PQ3, Alumina (aluminum oxide); and PQ3-F, Alumina with fluorescent indicator. The adsorbent is deposited upon the glass substrate by an electronically controlled process unique to all Quanta/Gram TLC plates. This results in a layer uniformity quite unattainable through less sophisticated spreading methods.

A new Model 1501 pH Controller has been developed by UNIVERSAL INTERLOC, INC. The 1501 is designed for pH measurement of recirculating applications involving cooling towers, or waste water treatment. Even under severe sampling conditions, such as contaminated streams, the 1501 pH Controller maintains exceptional, long term stability (±0.1 pH per year, including electrodes). The 1501 pH Controller uses transmitter electrodes which preamplify the pH signal at its source allowing the electrodes to be located up to one mile from the control instrument without a special pH cable. This long distance can be maintained without loss of response time or accuracy. No desiccation is necessary for very high humidity operation. The all silicon solid-state Model 1501 has a display range of 0–14 pH, and a failsafe alarm which locks out chemical feed and activates an emergency alarm or valve.

The Coulson electrolytic conductivity detector (CCD) offered by TRACOR, INC., can now measure subnanogram quantities of nitrogen even in up to 40,000 times excesses of other compounds. The volatile derivatives of amino acids in biological fluids are prepared by new standard procedures and separated by gas chromatography. Each is measured selectively without sample clean-up even in the presence of column bleed due to temperature programming. Quantitative response is directly proportional to nitrogen present. The new technique is based on the MT 220 gas chromatograph equipped with the CCD system. Since sample clean-up procedures are no longer necessary, a complete analysis takes only 32 minutes compared to the several hours common with existing analysers. In addition to the CCD, the same MT 220 gas chromatograph may be equipped with up to three other detectors including the unique flame photometric system for the specific measurement of sulfur or phosphorus containing compounds such as phospholipids, sulfur-lipids, as well as methionine in the amino acid series.

A new top loading balance for rapid, accurate weighing of samples as small as 0.01 mg for research, quality assurance and production control laboratories in the chemical industry is being introduced by the Cahn Division VENTRON INSTRUMENTS CORPORATION. Designated the Millibalance, this new instrument incorporates the proven Cahn electromagnetic weighing principle, built-in protective devices and simplified sample handling and weight readout. The top loading feature plus tare (zero) control and digital readout makes it possible to weigh 15 to 20 samples per minute with the Millibalance. The electromagnetic weighing technique results in a balance that can withstand rough treatment, vibration, temperature variations, humidity, magnetic and electrostatic radiation and other environmental hazards which can affect reliability of conventional balances. The Millibalance has a normal capacity of 10 grams and can take a 300 gram overload without damage. The smallest weight difference that can be measured and observed is 0.01 milligram. Ultimate precision or reproducibility is 0.02 milligram.

The new Teflon rim Pyrex brand beakers from CORNING'S LABORATORY PRODUCTS DEPARTMENT feature drip free, controlled pouring of most aqueous solutions. The bonded

(Continued on page 114A)

Meetings

AOCS National Meetings

April 26-30, 1970—New Orleans, Jung Hotel.
Sept. 27-Oct. 1, 1970—Chicago, Conrad Hilton Hotel.
May 2-6, 1971—Houston, Shamrock Hotel.
Oct. 2-6, 1971—Atlantic City, Chalfonte-Haddon Hall Hotel.

AOCS Section Meetings

* North Central Section—May 20, 1970, Ladies' Night Old Spinning Wheel, Hinsdale, Ill.
Northeast Section—April 14, 1970, Military Park Hotel, Newark, New Jersey.
* Southwest Section—May 21, 1970, Ladies' Night, Michael's Los Feliz Restaurant, Los Angeles, Calif.

Other Organizations

March 10-13, 1970—12th International Symposium (Biochemical Series, No. 1), "Waste Waters of the Agricultural and Nutrition Industries," Budapest, Hungary.
April 15-17, 1970—15th Annual Southeastern ISA Conference and Exhibit With the 11th International Pulp and Paper Symposium, Greenville, South Carolina.
May 25-27, 1970—16th National ISA Analysis Instrumentation Symposium, Chatham Center, Pittsburgh, Penn.
June 3-5, 1970—2nd Central Regional Meeting of the American Chemical Society, Columbus, Ohio.
June 9-12, 1970—14th International Conference on the Biochemistry of Lipids, Lund, Sweden.
June 23-25, 1970—Fourth International Sunflower Conference, Sheraton-Peabody Hotel, Memphis, Tenn.
June 22-27, 1970—14th International Congress of Esthetics and Cosmetology, Amsterdam, The Netherlands.
July 7-9, 1970—International Association of Seed Crushers, the Royal Garden Hotel, London, England.
July 26-August 1, 1970—5th International Water Pollution Research Conference, San Francisco, California.
August 9-14, 1970—Third International Congress of Food Science and Technology, Washington, D.C.
Sept. 20-23, 1970—International Conference on the Science, Technology and Marketing of Rapeseed and Rapeseed Products, Chantecler Hotel, St. Adele, Quebec.
Oct. 11-14, 1970—Ninth Annual Meeting, ASTM Committee E-19 on Chromatography, Brown Palace Hotel Denver, Colorado.
Oct. 12-15, 1970—84th Annual Meeting of the Association of Official Analytical Chemists, Marriott Motor Hotel, Twin Bridges, Washington, D.C.
* Oct. 26-29, 1970—ISA 25th Annual Conference and Exhibit on Instrumentation, Systems and Automatic Control, Civic Center, Philadelphia, Pa.

*Additions to previous calendar

• *New Products . . .*

(Continued from page 111A)

Teflon rim coating, as inert as the glass itself, has no effect on the beaker's contents and will not wear off in normal laboratory use. The Teflon coating strengthens the rim, where most breakage occurs, and at least triples the beaker's life.

The Watson "Hilux 70" distributed by HACKER INSTRUMENTS, INC., West Caldwell, N.J., is a new, modern, biological camera microscope designed for easy, vibration-free photomicrography and projection and all microscopic investigations in transmitted light, including bright and darkfield, phase contrast, polarized light, and blue light fluorescence microscopy. The "Hilux 70" gives perfect photos automatically. It features interchangeable 35mm and Polaroid cameras for manual, semi-automatic and fully automatic operation. The fully automatic 35mm camera operates the shutter, computes exposure and advances the film. The beam splitter gives a choice to direct 100% of the light to camera or observation tubes, or 50% to camera and 50% to observation tubes. The "Hilux 70" also provides for instant conversion into an efficient microprojector. A wide range of parachromatic, plane, fluorite and apochromatic objectives is available. This camera microscope is completely immune to vibration, stage drift and backlash and affords the user maximum working comfort and operating simplicity.

ZEROLIT, LTD., London, England announces the introduction on the U.S. market of a new, low cost, portable deionizer to be distributed by Gallard-Schlesinger Chemical Mfg. Corp., Carle Place, N.Y. Known as the Mark 17, the unit is battery operated and needs no electrical outlets. It can be hung on the wall or placed on the laboratory bench. It will provide a continuous supply of deionized water ranging from ultra pure to distilled quality at a rate of up to 30 gal/hr. The unit should be of interest in all areas where purified water is required for either production or in the laboratory. The fields of application entering into consideration are: chemical and chemical process industries, including petrochemical, oils, paint, plastics, resins and rubber; air conditioning, refrigeration, automotive and aviation; electrical and electronics as well as appliance and instrument manufacture; drugs, pharmaceuticals, cosmetics and hospitals; food processing; photography; air and water pollution control; and textiles.

A new digital pH meter for laboratory and scientific applications has been introduced by RADIOMETER. THE LONDON CO., Cleveland, Ohio. Designated as the PHM52, it provides pH measurements readable to 0.001 pH throughout the entire range from 0.000 to 14.000. It also includes extended millivolt ranges of 0 to ±1400.0 mV, with 0.1 mV readability and 0 to ±7000 mV, with 1.0 mV readability. These ranges are particularly useful for a variety of titration and selective ion applications. The 5 digit Nixie type display is brightly lit and easily read without interpolation problems. Versatility is increased by the Holding Circuit which locks in readings when desired. This valuable time and work saver can often eliminate rerunning of tests. The display rate is continually adjustable; fast for calibrating (3 measuring cycles/sec), or slower for measuring (as long as 1 measuring cycle/10 sec). The Radiometer PHM52 also features a calibrated Electrode Sensitivity Control, and an adjustable Electrical Zero (ISO pH) for easy two buffer adjustment. These controls are in addition to the standard Temperature Compensation and Buffer Controls. Outputs allow for direct connection of external recorders. A special Binary Coded Decimal (BCD) output for a computer or printer makes it possible to feed the measurements to data processing equipment without errors. For more information contact The London Company, 811 Sharon Drive, Cleveland, Ohio 44145.