

• *H. S. Olcott Receives Bailey Award . . .*

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Left to Right: L. L. Lachat, H. S. Olcott and G. E. Barker.

Baldwin; 1965, T. P. Hilditch; 1966, D. Swern; 1967, W. O. Lundberg; and 1968, H. J. Dutton.

Sponsoring Companies

This year's sponsors of the A. E. Bailey Award include the following: Anderson Clayton and Co., Ashland Chemical Co., Cargill, Inc., Central Soya Co., Corn Products Co., DeLaval Separator Co., Durkee Famous Foods, General Foods, Inc., The Johnson's Wax Fund, Mead Johnson Research Center, National Dairy Products Corp., Oscar Mayer and Co., and Sargent-Welch Scientific Co.

The Medalist

Professor Olcott has over 160 publications including 14 patents. His work covers the gamut from highly theoretical investigations on lipid antioxidants to very practical research on the effect of cooking cottonseed meats on oil yield. Lipid antioxidants have been a major research interest of Professor Olcott. In his early work, much of it done in conjunction with Professor H. A. Mattill, he demonstrated that tocopherols were the antioxidants in most vegetable oils, that cephalin was an active antioxidant and that sesame oil contained unusual and potent antioxidants. More recently he has found that free fatty acids affect the potency of antioxidants, shown that seleno-



Left to Right: B. Szuhaj, F. A. Norris, A. A. Rodeghier, Mr. & Mrs. H. S. Olcott, R. H. Maas, K. W. Klein and R. A. Reiners.

methionine is a potent antioxidant, examined the role of individual phospholipids as antioxidants and synergists, done fundamental work on the generation of thiobarbituric acid-reactive substances during autoxidation, examined the relative antioxidant activity of tocopherols and demonstrated a mechanism by which amines act as antioxidants. This by no means sums up Professor Olcott's research interests. He and his students have examined the lipid in fish, tocopherols in human adipose tissue, insecticides in Pacific sea birds, residual lipids in fish protein concentrate, alfalfa lipids, tocopherols in fish nutrition and many others. Professor Olcott is also recognized as an outstanding protein chemist especially for his work on fish and wheat proteins.

Section Business

Following a social hour and a delicious roast beef dinner, the North Central Section President F. A. Norris called the meeting to order and officers for the coming year were elected. The new officers are: President, George C. Rimnac; Vice-president, George R. Jackson; Secretary, Joseph G. Endres; Treasurer, David R. Erickson.

Members-at-large to serve two-year terms are L. D. Williams and De Witte Nelson.

R. A. Reiners, Chairman of the Bailey Award Committee then introduced President F. A. Norris who discussed Dr. Olcott's research and contributions to the industry and presented him with the medal and a check. Dr. Olcott proceeded to give an excellent lecture on "The Antioxidant Story, Past and Present." An interesting question and answer period followed the lecture.

• *New Products*

The H/I-300 is a new maintenance-free laboratory microscope from West Germany. It features positive backlash proof focusing and an object stage that is completely immune to stage drift. A double lens protection system prevents damage to objectives and specimen. The light source is built into the microscope base. The H/I-300 is available with inclined interchangeable monocular or binocular, fully rotatable, observation tubes. The Wetzlar-made optics assure optimum resolution and image clarity. At user's option, the H/I-300 may be equipped with components for phase contrast microscopy, polarized light and microphotography. The rugged construction makes the H/I-300 ideal for heavy duty laboratory. For more information write to: WILLIAM J. HACKER & Co., INC., P.O. Box 646, West Caldwell, N.J. 07006.

SHANDON SCIENTIFIC COMPANY, Sewickley, Pa., has introduced a new fraction cutter for column chromatography which can be used either as a drop counter or as a timer. It may be used with any fraction collector operated by the making or breaking of electrical contacts. The Shandon-MBI Fraction Cutter permits collecting of column effluent optically as equal drops with reproducible

samples collected from 1 to 9999 drops. A flip of the switch and the function is changed to timing, with time-cut samples from 1 to 9999 min. The detector head of the Shandon-MBI Fraction Cutter is resistant to alkalis and acids, contains no moving parts that might be affected by condensation. The unit may be used in any environment, including cold rooms.

The first quantitative, non-specific detector for gas chromatography, the CRC-1 Reaction Coulometer, has been introduced by MELABS SCIENTIFIC INSTRUMENTS, Palo Alto, California. Coulometer completely eliminates calibration procedures and allows the operator to vary temperature and flow rate without affecting peak area. A versatile instrument, the Reaction Coulometer allows analysis of a wide range of compounds—virtually any compound combustible at 1,000 C over the platinum catalyst in the Coulometer's reactor. For detection of highly oxygenated compounds, the Reaction Coulometer offers higher sensitivity than flame ionization detectors. Key specifications include absolute accuracy better than 0.5%; sensitivity, 10–20 ng; dynamic range, 1:10,000; recorder ranges, 0–1 ma to 0–1024 ma = 0–1 mv; integrator range, 0–1 Amp = 0–1 volt.

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• *New Products . . .*

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SUPELCO, INC., Bellefonte, Pa., announces the availability of the Supelco Micro-Ozonizer. The position of double bonds can be determined by ozonization followed by reduction of the ozonides and subsequent gas chromatographic analysis of the ozonolysis fragments. The Supelco Micro-Ozonizer requires only a few minutes and approximately 5 µg of sample predetermination. Ozone is produced by passing oxygen through a glass tube over two electrodes at high voltage. The ozone leaves the tube through hypodermic tubing and passes into a reaction tube containing the sample. Upon completion of the reaction an aliquot can be injected directly into the chromatograph.

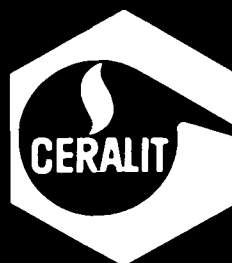
CAMAG INC. has announced the new compact HVE-61-000 High-Voltage Electrophoresis system for high speed analytical separations of many low molecular weight ions, including amino acids, peptides, amines, sugars, pharmaceuticals, steroids, inorganic ions and proteins. The unit features a unique, highly efficient cooling system which uses common tap water as the coolant, eliminating the need for a refrigeration unit. The HVE-61-000 is well suited to the separation of new compounds from mixtures as well as routine clinical separations. The complete CAMAG HVE-61-000 system includes the HVE cell, safety case, and a 5000 volt power supply which requires no warm-up and has protective safety features. For complete information, write to: CAMAG Inc., 11830 West Ripley Avenue, Milwaukee, Wis. 53226.

Designed for ease of use, the digital reading Lab-Line Lab-Chron Timer, with easy viewing slanted face, convenient reset thumbwheel and illuminated timing switch, times laboratory experiments, routine tests and production processes. Lab-Chrons are available in seconds and minutes models. The seconds model has a timing range from 0.1 to 999.9 seconds; the minutes model from 0.1 to 999.99 minutes. A push-button timing switch eliminates fumbling that results in timing inaccuracies. An optional foot switch is also available. The synchronous motor drive is unaffected by laboratory voltage fluctuations and timing is as accurate as the electrical frequency used. For complete information, write for Bulletin 638.5, LAB-LINE INSTRUMENTS, INC., 15th & Bloomingdale, Melrose Park, Illinois 60160.

A continuous action, inverted bowl centrifuge for the separation of substances with different densities has been added to the line of chemical centrifuges of BOCK LAUNDRY MACHINE COMPANY, Toledo, Ohio. The inverted bowl centrifuge has many applications as a practical means of removing suspended solids contaminates from fluids used in industrial processes. Special features include solids removal with the machine operating at speed, positive fluid acceleration from entry to bowl surface to reduce foaming, a large volume for solids collection and a gravity assist in their discharge, nonexposure of drive elements to the fluids being cleaned and ease of access to the bowl interior. The bowl volume is 1,560 cu in and it operates at 1,340 rpm. Construction is of carbon steel, with stainless steel available by special order. Normal operating temperatures range to 250 F, with temperatures up to 425 F possible with special attachments.

LAB-LINE FRIGID TEMP-BLOKS, thermoelectrically cooled, offer solid state, fully controllable cooling from +10 C down to 0 C right on the laboratory bench top without use of messy water baths or ice buckets. The 450 ml capacity, 3 7/8 × 3 × 3 7/8 in. D water tight, cooling well can be used as a cold bath for beakers, flasks, or other containers. When fitted with a Module-Blok, the Frigid Temp-Blok can be used to cool the contents of test tubes ranging from 6 mm to 1 in. in diameter. For complete information, write for Bulletins 22.7 and 22.9. LAB-LINE INSTRUMENTS, INC., 15th & Bloomingdale, Melrose Park, Illinois 60160.

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• *New Literature*

Worthington's new catalog lists more than 230 high-purity enzymes and related biochemicals for life science researchers. It provides essential information on enzyme source, activity, purity, assay and packaging. Also listed is the Worthington Determatube group of enzymatic reagents for clinical diagnosis. Copies of the comprehensive, 28 page catalog are available from WORTHINGTON BIOCHEMICAL CORPORATION, Freehold, New Jersey 07728.

A 32 page bulletin entitled, "Supplies and Sampling Accessories For Infrared Spectrophotometers," by BECKMAN INSTRUMENTS, INC., describes a wide variety of liquid sampling supplies, variable temperature accessories, gas-sampling supplies, solid-sampling supplies, ATR accessories and beam condensers with related equipment. For a copy of Bulletin 83-A, write Beckman Instruments, Inc., 2500 Harbor Blvd., Fullerton, California 92634.

Literature describing Sihi compressors is now available upon request from W. E. Zimmie, Inc., Sihi Pumps Division, Cleveland. Sihi liquid ring compressors deliver completely oil free air. They are widely used in chemical and food industries, gas producing plants, breweries, distilleries, sugar refineries and textile plants. Simple in design, Sihi compressors are solidly built, but possess no valves, pistons or sliding vanes. The only moving part is a free rotating impeller mounted on a stainless steel shaft. Available in bronze and stainless steel design, Sihi compressors can be obtained in capacities up to 2500 cfm at pressures up to 120 psig, with choice of shaft sealing arrangements. Some designs are available with casings suitable for design pressures up to 1470 psi. Copies of the two-color literature are available upon request by writing W. E. Zimmie, Inc., Sihi Pumps Division, 810 Sharon Drive, Westlake, Ohio 44145, or Sihi Pumps, Guelph, Ontario, Canada.