



North Central Section Hosts Joint Symposium with Cereal Chemists

Second Venture — Success

ON NOV. 16, 1966, the North Central Section of the American Oil Chemists' Society sponsored the first local joint meeting of the American Oil Chemists' Society, the American Association of Cereal Chemists, and the Chicago Bakery Production Club. Since this meeting was so successful, it was decided to repeat a similar program this year with the Midwest Section of the American Association of Cereal Chemists. What could be more timely since the two national organizations are meeting together in Washington, D.C. the first week in April of this year.

Our local symposium was entitled, "RHEOLOGY of EMULSIFICATION and STABILIZATION," and was held at the Illinois Institute of Technology Research Institute in Chicago on Wednesday, February 14.

The program got under way at 3:00 PM with a welcoming address by R. A. Reiners, President of the North Central Section of the American Oil Chemists' Society. Bob then turned the meeting over to his Program Chairman, Lars Wiedermann, who introduced the first two speakers.

The first speaker was Thomas Aylward, Food Specialist for Atlas Chemical Company who discussed "Basic Concepts of Emulsification, The H.L.B. Principle." The second speaker was David N. Holcomb, Physical Chemist with the Research and Development Division of National Dairy



R. A. Reiners



Lars Wiedermann

Products Corporation. Dr. Holcomb's paper was entitled, "Rheology of Non-Newtonian Substances."

Following a brief coffee break, Charles Stone, Program Chairman of the Midwest Section of the American Association of Cereal Chemists welcomed everyone on behalf of the Cereal Chemists and introduced the next two speakers. W. G. Hunt, Group Leader with the corn products research division of Anheuser-Busch discussed, "Chemistry of Corn Starch Derivatives." The last speaker of the afternoon was David P. Bone, Manager of Semi-Moist Pet Foods for Quaker Oats Co. Mr. Bone's topic was "Water Activity, Chemistry and Application."

This concluded the afternoon work session and everyone moved into the lower level for a social hour and a delicious steak dinner.

After dinner, following a few words by Paul Task, President of the Midwest Section of the American Association of Cereal Chemists, we saw an interesting movie entitled, "Deep Frontier." Our after dinner speaker was T. R. Andrew, Technical Representative for the Kelco Company, who spoke to us on "The Application of Hydrocolloids to Food Use."

The earlier symposium, in November, 1966, was entitled "Lipids in Baking," and drew a record an overwhelming

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Time out for relaxation between sessions. Above, left: H. McGee, B. Mowlenhauer, and T. Takashima. Below, left: N. Przenk, D. Holcomb, J. Oles, R. Hauck, D. Blidy and G. Golosinec. Below, center (left to right): E. Frank, J. A. Frick, and W. P. King. Above, right: A. J. Schlager, P. Janvi, and R. Requette. Below, right: B. Bonner, J. Nobotyn, C. Harword and P. Cammelot.



NBS Standard Reference Available for Cholesterol

At the request of the College of American Pathologists and the American Association of Clinical Chemists, the Office of Standard Reference Materials of the National Bureau of Standards is now issuing cholesterol of certified purity ($99.4 \pm 0.3\%$) as an NBS Standard Reference Material for use in standardizing clinical determinations of cholesterol.

The purity of this cholesterol, estimated with 95% confidence, has been determined by a combination of GLC, TLC, and mass spectrometry. The requirements of the Cholesterol Certification Program of the College of American Pathologists were utilized in certifying this cholesterol.

The new standard, designated NBS Standard Reference Material No. 911, Cholesterol, may be ordered in units of 0.5 g. NBS No. 911 is packaged in an amber-glass bottle under nitrogen, and costs \$25 per unit. (These standards may be purchased for the price indicated from the Office of Standard Reference Materials, National Bureau of Standards, Washington, D. C. 20234.)

• Industry Items

BOOZ, ALLEN & HAMILTON INC., an international management consulting firm, has announced that its chemical and biological research and development activity, FOSTER D. SNELL, INC., will become a subsidiary of Booz, Allen & Hamilton Inc.

Foster D. Snell, Inc. has its headquarters at 29 West 15th Street, New York City. The firm's chemical laboratories are located in New York City, and its Biological Science Laboratory will be occupying new quarters in Elizabeth, New Jersey, in early Spring.

The subsidiary provides research, development, and consulting in chemistry, biology and chemical engineering. The work involves consumer and industrial product development, as well as applied research required for the development of new processes and for the biological evaluation of products.

AOCS-AACC Section Symposium . . .

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response. Speakers at the earlier meeting included members of both AOCS and AACC Sections, as well as representatives of the Chicago Bakery Products Club.

Our thanks to all who worked so hard to make this such a successful meeting. We will look forward to more of these joint meetings in the future.



Our symposium speakers. From left to right: W. G. Hunt, T. Aylward, D. P. Bone, T. R. Andrew, D. Holcomb.

• New Literature

HEWLETT-PACKARD has prepared Spectroscopy Instrumentation Note 841-1, "Using the Signal Calibrator." The HP Signal Calibrator, when used with an HP 8400B Microwave Spectrometer, provides the necessary instrumentation for measuring the amplitude of the absorption signal. (1501 Page Mill Road, Palo Alto, Calif.; Route des Acacias, Geneva, Switzerland.)

BECKMAN INSTRUMENTS, INC. has prepared Bulletin 86-s/1967-68 with a complete listing of supplies for pH meters, as well as a special section on how to select pH supplies. Also available from Beckman are supply bulletins on Aquameters and Titrators, Supplies for Atomic Absorption Spectrophotometers, Supplies for Gas Chromatographs, Supplies for Infrared Spectrophotometers, Supplies for Nuclear Instrumentation, Supplies for Solution Metering Pumps and Tube Fittings, and Supplies for Ultraviolet Spectrophotometers. (Beckman Instruments Inc., Scientific Instruments Division, 2500 Harbor Blvd., Fullerton, Calif. 92634.)

Seven new stereoscopic microscopes from HACKER INSTRUMENTS, designed for the many demands of scientific and industrial application, are described and illustrated in a 12-page brochure. These instruments provide true-3-dimensional unreversed upright images at magnifications from $10\times$ to $200\times$ and free working distance range to 100mm. The inclined observation tubes are rotatable and are parallel to prevent eye fatigue. (William J. Hacker & Co., Inc., P. O. Box 646, West Caldwell, N. J. 07006.)

The complete line of liquid scintillation systems from BECKMAN INSTRUMENTS, INC., is described in a new technical bulletin from the company's Scientific Instrument Division. Bulletin 7128 details the features of the five soft-beta particle counters in the Beckman line, and outlines performance specifications. (Technical Information Section, Scientific Instruments Division, Beckman Instruments, Inc., 2500 Harbor Blvd., Fullerton, Calif. 92634.)

A new 4-page data sheet from LEEDS & NORTHRUP describes and illustrates the new 8845 Low-Temperature Rayotube Detector for non-contact, continuous measurement over the range of 100 to 700 F . . . points out that, since the detector responds rapidly to radiated heat energy, it can measure the temperature of stationary or moving surfaces, or can sight into a closed-end target tube to measure temperature of a furnace atmosphere or other medium. (Data Sheet D1.3114, Leeds & Northrup Company, Sunneytown Pike, North Wales, Pa. 19454.)

Bulletin 1168, released by SIGMA INSTRUMENTS, INC., describes three types of resistance temperature detectors for sensing minute temperature changes over a range from -200 to $+750$ degrees C. The temperature to be measured and the accuracy of the desired reading determines selection of ceramic or glass detectors with platinum coils, or glass detectors with nickel coils. The Sigma RTD's provide temperature data for Sigma Indicating Controllers, Scanners, and Programmers, and are compatible also with any resistance-measuring instrument. The bulletin provides specification data on single- and dual-coil types, and resistance-versus-temperature data and tolerances. (170 Pearl St., Braintree, Mass. 02185.)

A new 4-page brochure providing complete specifications on the CARLE BASIC GAS CHROMATOGRAPH has been issued by CARLE INSTRUMENTS, INC. Used in colleges and universities, the low-cost instrument enables chemistry students to achieve an in-depth understanding of the principles and practice of chromatography through "live" experiments. (1141 East Ash Avenue, Fullerton, Calif. 92631.)

The first issue of *Current Electrophoresis*, published by the GELMAN INSTRUMENT COMPANY to present latest procedures and products in the field, features a review of techniques used for the electrophoresis of Vanilmandelic Acid. All separations reported in the issue were performed on Gelman Sepraphore III, cellulose polyacetate support medium. (Subscriptions free. Write Information Department, Gelman Instrument Company, P.O. Box 1448, Ann Arbor, Michigan 48106.)