

ports, functional groups, and commercially available solid phase RIA kits.

The concluding chapter, "Solid-Phase Sequencing" by Richard A. Laursen, concerns an important improvement in the Edman degradation by which the primary structures of proteins can be ascertained through cleaving amino acids stepwise from the N-terminus of the peptide or protein. In the improved method, of which the author was a major developer, the peptide to be analyzed is anchored to an insoluble support by bonding at or near the C-terminus before the sequential degradations are performed. This chapter is similar to Chapter 1 with regard to the richness of experimental detail presented; there is some small overlap of chemical subject matter as well. Chapter 10 not only covers the chemistry of protein degradation and attachment to a variety of supports, but also treats such important matters as sources of reagents and their required purity, thin layer chromatography of the phenylthiohydantoin derivatives of amino acids produced by cleavage, construction of columns and equipment and the like. Examples are also given of the results obtained with several proteins.

Overall, this volume should prove of value to workers concerned with the technology of enzyme applications and enzymatic analysis as well as those concerned with the immunochemistry and primary structure of proteins. Because of the richness of detail presented, including the number of references, this collection of reviews will serve as a convenient reference book for active researchers in these fields.

ROBERT W. COUGHLIN
Department of Chemical Engineering
Lehigh University
Bethlehem, PA 18015

BACK COPIES NEEDED

AOCS needs the following back copies of the *Journal of the American Oil Chemists' Society*: Volume 51(1974), July and Volume 52(1975), January. The Society will pay \$1.50 for each copy received in reusable condition. Send to AOCS, 508 South Sixth Street, Champaign, Illinois 61820.



Ways and Means Committee

The Ways and Means Committee is an Administrative Committee with responsibilities to develop feasible operating procedures for the implementation of specific projects assigned to, or developed by, this committee. Projects can include (a) ways to implement motions adopted by the Governing Board; (b) functions developed by the Society Improvement Committee; and (c) specific assignments from the President, the Executive Committee,

the Governing Board, Society officers, and other Society committees.

The present chairman is Robert J. Hlavacek and members are R.J. Bell, J.G. Endres, H.G. Salomon, and R.J. Sims.

RETIRING THE MORTGAGE

Background

Part of the original concept of the AOCS Foundation was to generate funds to retire the mortgage. In 1974, the Executive Committee assigned this responsibility to the Ways and Means Committee, with the specific charge to develop an appropriate plan. Subsequently, the Ways and Means Committee recommended seeking professional fund raising guidance, which was approved by the Governing Board.

In December 1974, two Ways and Means Committee members met with professional counsel, who made several important recommendations. These recommendations were not acted upon by the Executive Committee, and the Ways and Means Committee was once again charged to develop a plan.

Current Status

Its October 1975 report to the Governing Board was the entire Ways and Means Committee's first opportunity, since the January report, to convene and review the prospects of a "burn the mortgage" campaign. It was the unanimous recommendation of the committee that such a fund raising campaign be abandoned for the following reasons, many of which were reported in January 1975:

1. There is no demonstrated financial need.
2. It is impossible to generate any appealing, industry-wide cause based on the availability of an additional \$20,000 per year which might then be available.
3. The total amount of the mortgage, \$60,000-\$70,000, is not a large enough sum to really excite the zeal of potential contributors.
4. A building fund many years after the purchase of a new facility will gain little membership enthusiasm, particularly with our present financial situation. Such a campaign should have been undertaken before or concurrently with a commitment to new facilities.

If there was a need to generate additional resources, the Ways and Means Committee recommended that the Governing Board consider small increases in dues, the need for which was well publicized to the membership. In its October report, the committee suggested that the entire country is now reconciled to inflation as a way of life; small dues increases of perhaps \$2.00 would probably result in less attrition than a single, much larger increase after several years.

ACTIVITIES OF THE WAYS AND MEANS COMMITTEE

It is the general consensus of the committee that it should be responsive to assignments from the Executive Committee or the Governing Board. The Ways and Means Committee should probably not generate its own program but rather attempt to outline the ways and means to establish specific Society goals. The committee has had only one assignment in recent months, and the members feel that their responsibilities in this area have been fulfilled.

To maintain a viable committee, the members feel that other assignments should be forthcoming from either of the previously mentioned groups. As an alternative, the Ways and Means Committee might write to each active committee, offering its services in the solution of major problems with which they are faced.

(Continued on page 273A)

Corporate Members Provide Unique Support for AOCS

Not only do the corporate members of the American Oil Chemists' Society provide dues payments which are used to support the various professional programs of the Society, they do so in spades by paying the larger corporate fees of \$200 per year. In addition to this, these supportive firms also give invaluable support by paying the individual AOCS dues of some employees, by sending their staff members to AOCS meetings and conferences, and by providing time for their staff to work on AOCS programs and committees.

The Society is obviously very appreciative of their support and takes this opportunity to thank all of the current corporate members for these efforts. Others are, of course, encouraged to follow the example of the firms listed below by adding their support to AOCS efforts.

Aceite Casa S.A., Fracc Industrial Vallejo, Mexico, 16 D.F., Mexico; M.J. De La Garma, rep.
Aceitera Itauqua, S.A., Asuncion, Paraguay; A. Brittar, rep.
Anderson Ibec, Strongville, Ohio; H.R. Strop, rep.
Atlas Refinery Incorporated, Newark, New Jersey.
Bombay Soap Factory, Bombay, India; A.A. Madni, rep.
The Buckeye Cellulose Corporation, Memphis, Tennessee; L.M. Reid, rep.
Canadian Vegetable Oil Processors Ltd., Hamilton, Ontario, Canada; G.S. Boulter, rep.
Carolina By-Products Company, Inc., Greensboro, North Carolina.
Central Soya Company, Inc., Gibson City, Illinois; R.L. Hoover, rep.
Chematron Corporation, Votator Division, Louisville, Kentucky; V.L. Zehnder, rep.
CPC International Incorporated, Best Foods Division, Englewood Cliffs, New Jersey; C.J. Ziel, rep.
Crosby Chemicals Inc., New Orleans, Louisiana; T.L. Crosby, rep.
Diamond Shamrock Chemical Co., Nopco Chemical Division, Morristown, New Jersey; J.J. Miskel, Jr., rep.
Doane Laboratories Inc., Joplin, Missouri; G. Staat, Jr., rep.
Edible Products Ltd., Jurong Town, Singapore; K.H. Kwok, rep.
Edible Oil Products (Malaysia) Berhad, Kulia Johore, West Malaysia; B.A. Desai, rep.
The Electrolyser Corporation, Ltd., Etobicoke, Toronto, Canada; A.K. Stuart, rep.
Etko Factories Company, Tehran, Iran.
Extraction de Smet S.A., Edegem-Antwerp, Belgium; P. Groetaers, rep.
Girdler Chemical Incorporated, Catalysts Division, Louisville, Kentucky.
Gordon Young Ltd., Toronto, Ontario, Canada.
Grinsted Products Incorporated, N. Kansas City, Missouri; E.K. Iverson, rep.
Harshaw Chemical Company, Cleveland, Ohio; O.R. Gunnerfeldt, rep.
Hilton-Davis Chemical Company Division, Cincinnati, Ohio; R.T. Wolfe, rep.
ICI United States Inc., Wilmington, Delaware.
Intoco Incorporated, Basking Ridge, New Jersey; J. Termarsch, rep.
Kentucky Chemical Industry Inc., Cincinnati, Ohio; A.J. MacGregor, rep.
L.A. Salomon and Brothers Inc., Port Washington, New

SODIUM METHYLATE

SODIUM METHOXIDE FORMULA NaOCH₃

Free flowing white powder packaged in airtight steel drums of 10, 25, 50 and 200 pounds net. Or 25% solution in methanol in 100 and 425 pound drums. Liquid bulk shipments in tank trucks and tank cars. Write today for our free booklet.

Harshaw also manufactures:

SODIUM ETHYLATE, 21% solution and
SODIUM n-BUTYLATE, 19% solution.

Ask us.

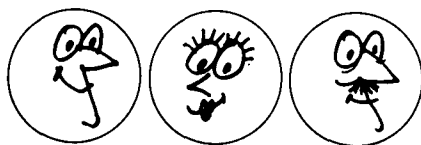


HARSHAW

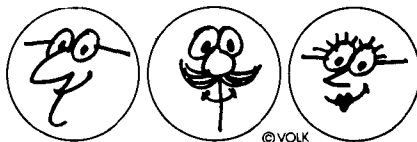
THE HARSHAW CHEMICAL COMPANY
1945 E. 97th Street/Cleveland, Ohio 44106

A **kewanee** INDUSTRY

York; A.M. Rossetto, Jr., rep.
Lever Brothers Company, Research and Development, Edgewater, New Jersey; A. Cahn, rep.
Liberty Vegetable Oil Co., Santa Fe Springs, California; I.S. Field, rep.
Lonza Incorporated, Fair Lawn, New Jersey; R.D. Ditoro, rep.
Marine Oil Refiners of Africa Ltd., Simonstown, South Africa.
Mars Ltd., Slough Bucks, England; N.A. Lund, rep.
Masiero Industrial S.A., Sao Paulo, Brazil; J.I. Maziero, rep.
McCreath and Son, Norfolk, Virginia; J.P. Gatling, Jr., rep.
Michigan Shortening Company, Detroit, Michigan; W.J. Poplack, rep.
Nippon Yuryo Kentei Kyokai, Japan Oilstuff Inspectors, Kobe, Japan.
Overseas Merchandise Insp. Co., Portland, Oregon.
Palmco Oil Mill, Prai, Penang, Malaysia; K.T. Teoh, rep.
Procter & Gamble Co., Technical Information Service, Cincinnati, Ohio.
Saybolt Lab-Van Duyn BV, Rotterdam, The Netherlands; F. Plumiers, rep.
Institute of Shortening and Edible Oils Inc., Washington, DC; W.W. Goodrich, rep.
Socfin Company, Ltd., Kuala Lumpur, Malaya.
A.E. Staley Manufacturing Co., Decatur, Illinois; R.R. Hahn, rep.
Swift & Co., Research and Development Center, Oakbrook, Illinois; M.H. Bornfleth, rep.
Division of Textron Inc., Buffalo, New York.
The Theobald Industries, Harrison, New Jersey; H. Theobald, rep.
Union Camp Corporation, Wayne, New Jersey 07470.
G.A. Wintzer & Son Co., Wapakoneta, Ohio; F.S. Wintzer, rep. ■



PEOPLE and PLACES



© VOLK

PEOPLE

Walter Henderson has been appointed as commercial representative in charge of Akzo Chemie products in North America. . . . At Armour Pharmaceutical Co.: **Frank S. Lakey** named executive vice president, marketing; **James L. Smart**, v.p., is appointed director of business planning; **Donald R. Daoust** is named director, quality assurance and regulatory compliance; **Edward R. Gehrke** is appointed v.p., director of personnel and industrial relations; **Andrew M. Rubino** is named director, research and development, chemicals. . . . Procter & Gamble directors elected **Powell McHenry** to the position of v.p.-general counsel. . . **Charles A. Ferguson** appointed manager—toilet goods division of Procter & Gamble. . . FMC Corp. has named **Henry J. Suerth** as product manager of dry bleach chemicals for the Specialty Chemicals Group. . . . Dow Chemical Co. has announced the following changes: **Clifford F. Thompson** appointed director of R&D for the Health and Consumer Products Division; **Wilson A. Gay** was elected treasurer of the company; **Melvin Calvin** will retire from the board of directors. . . **Alex J. Pieroni** was promoted to director of corporate purchasing of BASF Wyandotte's Chemical Intermediates. . . . Pennwalt Corp. has announced the following: **Charles J. Bunczk** named manager of the Textile Mills Specialties Department of the company's Chemical Specialties Division; **Martin M. Schwartzberg** has been named managing director of European Chemical Specialties; **Jean A. Crockett** was elected to the board of directors. . . **Kent Beckman** has been promoted to technical marketing manager for agricultural chemicals in Upjohn's International Division. . . **William E. Leistner**, vice chairman and a director of Witco Chemical and its subsidiaries, has resigned his position. . . **Cornelius Baarda** has been elected secretary of Emery Industries Ltd. . . **Alfred A. Schlepplik**, a senior research specialist at Monsanto Flavor/Essence, has been named a science fellow in the parent company's program to recognize excellence on the part of its technical staff. . . Hercules Inc. has announced the appointment of **Chester E. Schmalz** as a project manager in the company's Food and Fragrance Development Department. . . **Herman Rotenberg** has been named market manager for the Tanning Chemicals Department of Diamond Shamrock, Process Chemicals Division. . . **Daniel C. Gillespie** has been elected president and a member of the board of directors of Dorr-Oliver Inc. . . General Mills Chemicals has named **John R. Nazi** industry manager, petroleum products, water soluble polymers, and **F. William Tuominen**, technical director, water soluble polymers research.



Kent Beckman



Charles J. Bunczk



Daniel C. Gillespie



Alex J. Pieroni



Herman Rotenberg



Alfred A. Schlepplik

PLACES

Nebraska's sugar ester process licensee in Brazil, **Quimica Milen, S.A.**, has announced plans to build a new plant in Recife to produce sugar ester based detergents. . . **Hercules Inc.** announced that construction has begun on a new nitroglycerin facility at its Bessemer, Alabama, dynamite plant to be completed in early 1977. . . **Witco Chemical Corp.** announced it will build a second plant to manufacture Kenite diatomite products. The plant will be completed early in 1978. . . **Esmark, Inc.** will acquire the McKee Petroleum Corp. ■

The newly elected 1976-77 AOCS officers were announced and installed at the 67th Annual Spring Meeting in New Orleans, LA, April 21-24, 1976.

Election results were tabulated March 23, 1976, at the AOCS National Headquarters in Champaign, IL. Of the 1,103 ballots received, 1,096 were validated and counted.

Other Board members (the four most recent AOCS past presidents) are R.R. Allen ('50), Director of Exploratory Research, Anderson Clayton Foods, Richardson, TX; F.A. Norris ('42), Associate Manager, Edible Oil Products, R&D Division, Kraftco Corporation, Glenview, IL; R.T. Holman ('46), Executive Director and Professor of Biochemistry, Hormel Institute, University of Minnesota, Austin, MN; and W.E. Link ('54), Manager, Analytical Chemistry, R&D Division, Ashland Chemical Co., Ashland Oil Inc., Columbus, OH. Ex Officio members are A.R. Baldwin, E.M. Sallee, E.R. Hahn, and J. Lyon.

New Officers Installed at Spring Meeting in New Orleans

White Heads AOCS in 1976



F.B. WHITE (1948): Manager of International Operations and Coordinating Manager, Process Plants Division, Foster Wheeler Energy Corp., Livingston, NJ. B.S. and Masters, Chemical Engineering, Princeton University; Professional Engineer License, University of State of New York; New Jersey State Board Professional Engineer License. Formerly employed by Sylvania Industrial Co. AOCS: Vice-President, 1975-76; Treasurer, 1974-75; Chairman, Finance Committee, 1971-; Chairman, Public Relations Committee, 1970-; Member, Environmental Control Committee, 1970-; Member, International Relations Committee, 1968-; Member, Communications Committee, 1968-70; Member, Hotel Selection Committee, 1950-51, 1956, 1970; General Chairman, Fall Meeting, 1968; Member, National Meeting Planning Committee, 1966; Special Far East Representative, 1963-66; Hotel Chairman, New York Convention, 1960; Member, Membership Committee, 1953; Member, Advertising Committee, 1952; Lecturer, Short Courses, 1952, 1956, 1970; Northeast Section President, Symposium Chairman, 1972. Fellow, American Institute of Chemical Engineers.

Applewhite Wins Vice Presidency

T.H. APPLEWHITE (1959): Manager, Edible Oil Products Laboratory, Kraftco Corp., Research and Development, Glenview, IL. B.S., 1953, Ph.D., 1957, California Institute of Technology. Research Chemist, Dow Chemical Corp.; Research Chemist and Investigation Head, Western Regional Laboratory, USDA, 1959-67; Research Director, Pacific Vegetable Oil Corp., 1967-69. Author of over 35 publications and patents. AOCS: Chairman, World Conference on Oilseed and Vegetable Oil Processing Technology, 1976; Member-at-Large, Governing Board, 1975; Associate Editor, 1967-; Member, Publications Committee, 1967-71, 1973-; Member, Society Improvement Committee, 1971-73; Member, Program and Planning Committee, 1969-71; General Chairman, Spring Meeting, 1969; Member, Drying Oils Committee, 1967-69; Member, Safflower Seed Analysis Committee, 1967-69; Member, Membership Committee, 1964-65; Northern California Section Officer, 1962-65, Chairman, 1964.



Jacobson Elected Secretary

G.A. JACOBSON (1953): Division Head, Basic Research Department, Campbell Institute for Food Research, Camden, NJ. B.S., 1948, M.S., Chemistry, 1949, Kansas State University; Ph.D., Food Science and Biochemistry, University of Illinois, 1953 (F.A. Kummerow, Major Professor). Research Chemist, Swift and Co., 1953-56. Research publications in chemical measurements of fat flavor, chemical and biological changes in frying fats, and physical and chemical changes in fats and oils during interesterification. Patents on crystal modification of fats and natural antioxidants. AOCS: Member-at-Large, Governing Board, 1974-75; Chairman, Fall Meeting Publicity Committee, 1974; Executive Chairman, Membership Committee, 1973-; Member, Program Planning Committee, 1973-; Member, Nominating Committee, 1973; Member, Flavor Standards Subcommittee, 1968-; Member, Finance Committee, 1970-73; Technical Program Chairman, Fall Meeting, 1971; Chairman, Fall Meeting Finance Committee, 1966; Northeast Section Governing Board, 1973-75.



Firestone Reelected Treasurer



D. FIRESTONE (1955): Research Chemist, Division of Chemistry and Physics, Bureau of Foods, Food and Drug Administration, Washington, DC. B.S., chemistry, City University of New York, 1948; M.S., chemistry, Polytechnic Institute of Brooklyn, 1951; Ph.D., organic chemistry, George Washington University, 1969. AOCS: Treasurer, 1975-; Member-at-Large, Governing Board, 1974; Member, Uniform Methods Committee, 1974-; Member, Instrumental Techniques Committee, 1960-; Member, National Program and Planning Committee, 1966-70, 1972-; Member, Award in Lipid Chemistry Canvassing Committee, 1972-73; Member, Program Committee, AOCS-AACC Joint Meeting, 1968; Lecturer, Short Courses, 1966 and 1967. Member: American Chemical Society, Association of Official Analytical Chemists.

Babayan, Alfin-Slater, and Dutton Chosen Members-at-Large

V.K. BABAYAN (1948): Vice-president, Research and Development and Quality Control, Stokely-Van Camp, Inc., Indianapolis, IN. B.A., Chemistry, 1938, and postgraduate work, 1938-43, New York University. Director, Laboratories, Drew Chemical Corp., 1962-65; Director, Research and Development, E.F. Drew and Co., 1949-62; Chief Chemist, Theobald Industries, 1948-49; Director, Research and Development, Ridbo Laboratories, 1941-48. Author of numerous articles and patents concerning various aspects of nutrition, fats and oils, and fatty derivatives. AOCS: Member, AOCS Foundation Board of Directors; Member, Membership Committee, 1970-; Member, Methods Committee; Chairman, various seminars and symposia; Member, Honored Student Award Subcommittee, 1973-. Member: American Chemical Society, Institute of Food Technology, American Association of Cereal Chemists, National Canners Association, American Frozen Food Institute, Institute of Shortening and Edible Oils, R&D Associates, New York Academy of Science, American Association for the Advancement of Science, Association of Research Directors, Chemists' Club.



R.B. ALFIN-SLATER (1954): Professor of Biological Chemistry, School of Medicine, University of California, Los Angeles, CA. A.B., chemistry, Brooklyn College, 1936; A.M., chemistry, Columbia University, 1942; Ph.D., biochemistry, Columbia University, 1946. Author of more than 150 publications in scientific books and journals. Major areas of research interest: Biochemical and nutritional aspects of lipid metabolism, with special emphasis on the relationships between cholesterol and essential fatty acid metabolism; nutritional evaluation of saturated vs. unsaturated fats; carbohydrate-lipid interrelationships; cholesterol absorption; essential fatty acid-vitamin E interrelationships; experimental atherosclerosis; nutritional, biochemical, and pathological effects of aflatoxin administration. Winner, 1970 Osborne-Medal Award from the American Institute of Nutrition for "excellence in basic research" and Fall 1973 Bond Award. AOCS: Area Chairman, National Program Committee, 1971-; Member, Awards Canvassing Committee, 1968; Member, National Planning Committee, 1961-64; Member, Editorial Board, *JAOCS*, 1958-60; Associate Editor, *Lipids*, 1972-; Southwest Chapter Program Chairman, National Convention, 1959; Southwest Chapter President, 1959, Secretary, 1956, 1957, 1958. Member: American Association for the Advancement of Science (Fellow), American Heart Association Council on Arteriosclerosis (Fellow), American Institute of Nutrition, American Public Health Association (Fellow), American Society of Biological Chemists, Delta Omega, Greater Los Angeles Nutrition Council, International Platform Association, International Society of Cardiology, Iota Sigma Pi (Honorary Chemistry Society for Women), New York Academy of Sciences, Pacific Slope Conference, Phi Sigma (Honorary Biological Sciences Fraternity), Sigma Xi, Society for Experimental Biology and Medicine, Society for Nutrition Education (Charter Member, 1970).



H.J. DUTTON (1945): Chief, Oilseed Crops Laboratory, Northern Regional Research Center, ARS, USDA, Peoria, IL. B.A., 1936, M.A., 1938, Ph.D., 1940, University of Wisconsin. Chemist, Oscar Mayer and Co., 1936-1941; Research Chemist, Western Regional Research Laboratory, 1941-1945; Head, Chemical and Physical Properties Investigations, Northern Regional Research Center, 1945-1974. Author of over 200 publications and patents. Glycerine Research Award, 1956; Superior Service Awards, 1952, 1956; AOCS Awards 1954, 1962; L.B. Johnson Presidential Special Merit Award, 1966; Alton E. Bailey Award, 1968; Award in Lipid Chemistry, 1969; 3rd Hilditch Memorial Lecturer, 1971. AOCS: Member, *Lipids* Editorial Board.

• **Committee Spotlights . . .** (Continued from page 264A)

Meetings Planning Committee

The Meetings Planning Committee is an Administrative Committee with responsibilities to review proposed new policies, consider changes in policies, and clarify present policy as related to national meetings of the Society. This covers policy on meeting location, exhibits, financial arrangements, number and kinds of sessions, and writing a meeting policy or procedures manual. The organization and substance of the technical program is not included in the scope of this committee.

The present chairman is Frank P. Khym and the committee members are R.R. Allen, M.W. Formo, D.S. Fritz, J.D. Henry, P. Kalustian, N.B. Knoepfler, R.G. Krishnamurthy, F.A. Kummerow, F. Naughton, W.J. Quick, R.A. Reinert, H.G. Salomon, F.G. Shea, R.C. Stillman, and A.N. Wrigley.

The scheduled national meetings of the AOCS are shown below:

Year	Location	Hotel	Chairmen		Dates	Exhibit
			General	Technical		
1976	New Orleans	New Orleans Marriott	Knoepfler	Ory	April 21-24	No
	Chicago	Regency Hyatt Chicago	Wiedermann	Krishnamurthy	Sept. 26-29	Yes
1977	New York	Americana	Naughton	Berner	May 8-11	Yes
1978	St. Louis	Chase-Park Plaza	Burton		May 14-18	Yes
1979	West Coast			Joint meeting with Japan Oil Chemists' Society	Mid April or May	Yes
1980	Canada or Eastern Seaboard			Joint meeting with International Society for Fat Research		Yes