

From Washington

Carcinogenesis Studies of Isophorone in F344/W Rats and B6C3F₁ Mice (Gavage Studies)" are available from NTP Public Information Office, MD B2-04, PO Box 12233, Research Triangle Park, NC 27709.

Nutrition for the 1990s

A Federation of American Societies for Experimental Biology (FASEB) panel has drawn up "A Report of the Scientific Community's View on Progress in Attaining the Public

Health Service Objectives for Improved Nutrition in 1990."

In the report, the panel advocated distributing the "Dietary Guidelines for Americans" to all families in the nation, either directly or indirectly through educational efforts and mass media exposure, and urged that efforts be undertaken to help consumers understand nutrient labeling.

In addition, the panel said, "By 1990, food service operations should provide food choices that make it possible to follow the 'Dietary Guidelines for Americans.'"

The panel suggested that serious consideration be given to including objectives on diet and cancer and

osteoporosis in the 1990 objectives for improved nutrition. "By 1990, public and private sector support for biomedical research on interrelationships of dietary factors, dietary patterns, specific nutrients and related nutritional factors with cancer should be increased over that designated in 1985," the panel wrote. It also suggested that efforts be started on planning objectives for the 1990-2000 decade, including such topics as nutrition and dental health, dietary claims and health fraud, hypervitaminosis, anorexia and bulimia, nutrition in pregnancy, and nutrition in the elderly.

Details: *Food Chemical News*, May 5, 1986, pp. 54-58.

Inside AOCS

President's Club and Honor Roll

The AOCS members listed here have qualified for the 1985-86 AOCS President's Club or Honor Roll. Members who recruit at least one new member qualify for the President's Club; those recruiting three or more qualify for the Honor Roll. President's Club and Honor Roll members receive recognition at AOCS annual meetings. Forms for use in recruiting new members are available from AOCS Headquarters, 508 S. Sixth St., Champaign, IL 61820 USA.

Eleven

A.P. Menasian

Ten

D. Meiners

Nine

M.A. Gorman

Seven

R.C. Hastert

F.C. Naughton

Five

A.C. Peng

Four

J.L. Beare-Rogers

W.N. Elder Jr.

F.J. Flider

C-T Ho

R.G. Krishnamurthy

J.B.M. Rattray

Three

R.K. Arundale III

T.A. Foglia

E.N. Frankel

G. Maerker

E.G. Perkins

F.W. Sosulski

D.K. Strayer

Two

A. Cantafora

N.M. DiMarco

D.R. Erickson

H.P. Gormley Jr.

A.B. Herrick

D.M. Holcomb

J.J. Kabara

H.A. Martin

L.J. Monty

T.L. Mounts

R.T. Penning

N.J. Smallwood

K.T. Zilch

One

R.G. Ackman

C.B. Amos

C.W. Bailey III

H. Baker

W. Baturusa

W.J. Baumann

J. Bazzano

K. Berger

M.L. Besemer

J.L. Braun

A. Cahn

J.R. Carroll

G.C. Cavanagh

J.E. Covey

R.V. Crawford

C.K. Dartey

J.K. Daun

R.W. Delashmit

F.D. Doca

M. Eijadi

W.E. Farr

G.K. Feldhaus

D. Firestone

F. Friedrich

E. Fritz

J.P. Galloway

J.K. Gilpin

S.E. Gloyer

J.M. Gonzalez

L.S. Gray Jr.

L. Hall

T.A. Hamme

T.T. Hansen

J.M. Hasman

D. Hausman

K.C. Hayes

J.E. Heilman

M.J. Hein

R.T. Holman

B.J. Holub

E.F. Hoover

N.Y. Hsu

A.W. Johnson

L.A. Johnson

L.A. Jones

C.W. Jordan Jr.

F.P. Khym

D.R. King

F.X. Kicken

D. Kochavi

K.Y. Lai

G. Leipa

R.C. Lindsay

E.C. Louis

E.R. Lowrey

F.E. Luddy

E. Lusas

M. Maclellan

J. Mai

R. Maxwell

A.C. McConnell

S.L. Melton

D.B. Min

D.T. Munsey

C.R. O'Bryan

F.E.L. Oh

D.A. Okiy

F.T. Orthofer

P.M. Parker

A.J. Perla

M.D. Pickard

D. Plummer

R. Price

R.H. Purdy

R.R. Regutti

W.F. Reinking

J.S. Rhee

K.C. Rhee

M.J. Richard

C.L. Riggs

N. Rockwell

L. Rogovin

C.D. Roth

E.F. Sanders

H.F. Schleutker

D.W. Schmadeke

D.N. Schmidt

K.F. Schoene

G.E. Severson

F.C. Shook

W.B. Sizer

M.H. Sopora

B. Sova

H.T. Spanuth

P.J. Stern

R.O. Stevens

H.R. Strop

J. Stroszel

H. Stupel

J.F. Suriano

B.F. Szuhaj

T. Takagi

D.C. Tandy

I. Tauscky

D.R. Taylor

D.D. Terry

B.E. Thompson

A. Traska

P.D. Vail

P.J. White

N.R. Widlak

R.F. Wilson

D.R. Worley

The AOCS members listed below have qualified for the 1986-87 AOCS President's Club or Honor Roll.

One

R.C. Hastert

B.L. Major

G.R. Mirmira

D.V. Okonek

J.G. Turcotte Jr.

New members

The following persons had applied for membership in the American Oil Chemists' Society through mid-May 1986. If an applicant was invited to join AOCS by a current member, that member's name appears in parentheses at the end of the listing. The new members' listing is published bimonthly.

Marquita N. Adams, Shenandoah Products Inc., Bridgewater, VA (Louis)
 Ahmed A. Ahmed, Alfateh University, Tripoli, Libya
 Anup K. Banerjee, University of Sagar, Sagar, India
 David R. Bell, Chem-Trend Inc., Howell, MI
 Carolyn Best, Nash Johnson & Sons Farms, Rose Hill, NC
 Prakash R. Bhirud, University of Saskatchewan, Saskatoon, Canada (Sosulski)
 Rajnish D. Bhutani, Vulcan-Laval Ltd., Pune, India
 Ron G. Bowrey, Meadow Lea Margarine Co., Sydney, Australia
 Luiz A.L. Brito, Sanbra S.A., Sao Paulo, Brazil
 Marty J. Brownstein, Felton International, Inglewood, CA
 Victor M. Casella, Clorox Co.,

Pleasanton, CA
 Rick M. Chastain, Central Soya Co. Inc., Remington, IN
 Suchart Chaven, Snack-Master, Albany, GA (Hausman)
 Chun un Choi, Ottogi Foods Co. Ltd., Anyang, Korea
 Shiraz R. Chunara, Agroprocessors & Atmospheric Gases Ltd., Karachi, Pakistan
 Vinod K. Daga, Betul Oils & Flours Ltd., Betul, India
 Michael Day, Hoffmann La Roche, Nutley, NJ (Gormley)
 Dilip Desai, Stepan Company, Northfield, IL (Mirmira)
 Susann Marie Duperret, University of Arizona, Tucson, AZ (Price)
 Karen K. Ewing, Kahn's and Co., Cincinnati, OH
 Diana Fenton, Abels Ltd., Auckland, New Zealand
 Murray J. Friar, Chemical Service Laboratories (1985) Ltd., Wellington, New Zealand
 Jose S. Elizondo Cruz, Gamesa, Monterrey, Mexico (Erickson)
 Jeffery E. Grahn, Stepan Co., Northfield, IL (Rockwell)
 Edward F. Group Jr., Exxon Chemical Co., Baton Rouge, LA
 John R. Grzeczka, Ed Miniati Inc., Chicago, IL (Spannuth)
 Kane Ikeda, Helena Curtis Industries Inc., Chicago, IL
 Tom S. Janca, Janca's Jojoba Oil & Seed Co., Mesa, AZ (Flider)
 Carol Karahadian, University of Wisconsin, Madison, WI (Lindsay)
 Kevin M.W. Keough, Memorial University of Newfoundland, St. John's, Newfoundland, Canada (Ackman)
 Mustafa S. Kocaman, Komili Yag Sabun Gliserin San Ve Tic AS, Ayvalik-Balikesir, Turkey
 Thing Low, Southern Edible Oil Ind. Sdn. Bhd., Kapar, Malaysia
 Laramee A. May, Felton International, Inglewood, CA
 Kenneth P. Marince, Mallinckrodt, St. Louis, MO
 Paul McLean, Aim-Zytron Inc., Weston, Ontario, Canada
 Christian Melin, Cernep Syntheslabo, Meudon La Foret, France
 Richard A. Meyer, Charles V. Bacon Inc., Lemont, IL
 Frank Morgan, Procter & Gamble, Cincinnati, OH (Rogovin)
 Son T.P. Nguyen, Colgate-Palmolive, Kansas City, KS (Doca)

Robert J. Petrowski, Novo Laboratories Inc., Wilton, CT (Kochavi)
 Gustavo F. Pauker, Lloreda Grasas S.A., Cali, Colombia (Feldhaus)
 Axel Pinkpank, Lucas Meyer Inc., Decatur, IL
 Raymond A. Porter, Sverdrup Corp., St. Louis, MO (Strop)
 Don L. Puppione, Long Marine Laboratory, University of California, Santa Cruz, CA
 Hanumantha R. Ravinuthala, Woodson-Tenent Laboratories Inc., Memphis, TN
 Michael S. Robertson, Rohm & Haas Co., Philadelphia, PA
 Eduardo Rosas, Fagrade S.A., Barranquilla, Columbia (Reinking)
 Diane K. Rothfuss, Central Soya Co. Inc., Fort Wayne, IN (Strayer)
 John R. Sabine, University of Adelaide, Glen Osmond, Australia
 Ronald A. Shepard, Shepard Bros., La Habra, CA
 Mervat Soliman, National Research Centre, Giza, Egypt
 Andrew Szalay, Grow Co. Inc., Hackensack, NJ
 Edward A. Tavss, Colgate Palmolive Co., Piscataway, NJ
 Benjamin D. Travis, University of Illinois, Urbana, IL
 Sudhir V. Udeshi, Jayant Industrial & Scientific Research Centre, Bombay, India
 Gaston E. Vargas, Chemical Consultant, Miami Beach, FL
 Horace S. Villars, Food Ingredients Inc., Elk Grove Village, IL
 John R. West, Union Carbide Corp., Long Beach, CA (Shook)
 Alan F. Wiese, Harshaw/Filtrol Partnership, Beachwood, OH (Hastert/Okonek)
 Mary Jo Wojtusik, University of Rhode Island, Kingston, RI (Turcotte)
 Raymond S.C. Wong, Allelix Inc., Mississauga, Ontario, Canada (Daun)
 Suryo Wongsodihardjo, P.T. Jayabaya Raya, Surabaya, Indonesia
 Alexander S.L. Woo, Mary & Majestic Inc., Taipei, Taiwan
 Terrell F. Zabransky, Entenmann's Bakeries, Northlake, IL
 Juan F. Zamorano, Oleaginosas Espanolas S.A., Madrid, Spain
 Mike Zarkanes, Felton International, Inglewood, CA

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 Champaign, IL 61820

Call for nominations:

Supelco AOCS Research Award

In April 1964, the Governing Board of the American Oil Chemists' Society established an Award in Lipid Chemistry. In 1982, sponsorship of the award was assumed by Supelco Inc. of Bellefonte, Pennsylvania, and the award was renamed the Supelco AOCS Research Award.

This award has been presented to: Erich Baer, 1964; Ernest Klenk, 1965; H.E. Carter, 1966; Sune Bergström, 1967; Daniel Swern, 1968; H.J. Dutton, 1969; E.P. Kennedy, 1970; E.S. Lutton, 1971; A.T. James, 1972; F.D. Gunstone, 1973; P.K. Stumpf, 1974; W.O. Lundberg, 1975; George Popjak, 1977; Ralph Holman, 1978; Stephen S. Chang, 1979; James F. Mead, 1980; Laurens van Deenen, 1981; R.M.C. Dawson, 1982; David van Dorp, 1983; Morris Kates, 1984; Bengt Samuelsson, 1985; and R.R. Allen, 1986.

The award consists of \$4,000 plus a travel and expense allowance accompanied by an appropriate certificate. The 23rd award will be presented during the AOCS annual meeting in New Orleans May 17-21, 1987.

Canvassing Committee Appointees

Policies and procedures governing the selection of award winners have been set by the AOCS Governing Board. An Award Nomination Canvassing Committee is appointed. The function of this committee is to solicit nominations for the award. Selection of the winner will be made by the Award Committee, whose membership will remain anonymous.

Rules

A nominee must have been responsible for the accomplishment of outstanding original research on fats, oils, lipid chemistry and biochemistry, and must have presented the results through the

publication of technical papers of high quality. Preference shall be given to individuals who are actively associated with research, and who have made discoveries that have influenced their fields of endeavor. The award shall be made without regard for national origin, race, color, creed or sex.

Nominations should consist of a letter of nomination, supporting letters from at least three other scientists and biographical information concerning the nominee. The biographical information must include a summary of the nominee's research accomplishments, a list of publications, degrees held with the names of the granting institutions, and positions held during the nominee's professional career. Letters of nomination and supporting documents shall be submitted in octuplicate before Nov. 1, 1986, to Earl Hammond, Iowa State University, Department of Food Technology, Ames, IA 50010.

Award of Merit

The AOCS Award of Merit is presented annually to the person or persons selected for productive service to AOCS. Leadership in technical, administrative or special committees and activities, outstanding service that has advanced the Society's prestige, standing or interests, and service not otherwise specifically recognized are considered. The award is presented at the AOCS annual meeting.

Nominations should be submitted before Oct. 31, 1986, to R.G. Krishnamurthy, Kraft Inc., Research & Development, 801 Waukegan Rd., Glenview, IL 60025.

Honored Students

Nominations are being sought for the 1987 Honored Student Awards. Graduate students at any North American institution of higher learning, in any area of science dealing with fats and lipids, who are

doing research toward an advanced degree and who are interested in the areas of science and technology fostered by AOCS are eligible.

To receive the award, a candidate must remain a registered graduate student and must not have received his or her degree or begun career employment prior to the 1987 AOCS meeting. Selection of award-ees is based on educational qualifications and performance.

The awards provide funds equal to travel costs, complimentary registration and hotel accommodation, plus an additional stipend to permit attendance at the AOCS annual meeting to be held in New Orleans May 17-21, 1987.

Nomination forms may be obtained from AOCS Headquarters, 508 S. Sixth St., Champaign, IL 61820. Completed nominations should be returned before Oct. 31, 1986, to Sharon Melton, University of Tennessee, Food Technology & Science, PO Box 1071, Knoxville, TN 37801.

Potts Award

The Potts Memorial Fellowship is presented annually to a graduate student working in the chemistry of fats and oils and their derivatives. The type of research that qualifies for the award involves fatty acids and their derivatives, such as long chain alcohols, amines and other nitrogen compounds.

The award, presented at the AOCS annual meeting, consists of a \$1,000 honorarium and a plaque. The award is sponsored by Akzo Chemie America to recognize the late Ralph H. Potts, a pioneer in industrial research and technology of fatty acids. For information, contact Lincoln Metcalfe, director of research, Akzo Chemie America, 8401 W. 47th St., McCook, IL 60525.

Completed nominations should be submitted before Oct. 31, 1986, to AOCS Headquarters, 508 S. Sixth St., Champaign, 61820.

Bailey Award

The North Central Section of AOCS is requesting written nominations from AOCS members for the 1987 Alton E. Bailey Award. The purpose of the Bailey Award is to recognize research and/or service in the field of oils, fats and waxes.

Past Bailey Award recipients have included: V.C. Mehlenbacher, 1959; R.H. Potts, 1960; J.C. Cowan,

1961; A.R. Baldwin, 1963; T.P. Hilditch, 1965; D. Swern, 1966; W.O. Lundberg, 1967; H.J. Dutton, 1968; H.S. Olcott, 1969; H.E. Carter, 1970; J.F. Mead, 1971; R.T. Holman, 1972; C.M. Gooding, 1973; S.S. Chang, 1974; W.M. Cochran, 1975; Raymond Reiser, 1976; L.A. Goldblatt, 1977; O.S. Privett, 1978; R.O. Feuge, 1979; Frank Norris, 1980; Hans Kaunitz, 1981; Thomas Applegate, 1982; R.R. Allen, 1983; Cecil Smith, 1984; E.N. Frankel,

1985; E.G. Perkins, 1986.

Please send nominations to:

David C. Tandy
EMI Corp.
3166 Des Plaines Ave.
Des Plaines, IL 60018

The deadline for nominations is Nov. 1, 1986, and notification of the selection will appear in this journal. Presentation of the 1987 Bailey Award is scheduled for February 1987.

Publications

Book reviews

Glycolipids, New Comprehensive Biochemistry, Vol. 10, edited by H. Wiegandt, (Elsevier Science Publishing Co., 52 Vanderbilt Ave., New York, NY 10017, 1985, 314 pp., \$59.00).

This book contains four chapters: "Glycosphingolipids," by Makita and Taniguchi; "Glycoglycerolipids," by Ishizuka and Yamakawa; "Gangliosides," by Wiegandt; and "Glycophosphopolyrenols," by Hemming. One of the problems in reading and reviewing a book on glycolipids is the effort necessary for a traditional lipid chemist to cope with the nomenclature of the long, complex carbohydrate chains.

Makita and Taniguchi handle the relatively simple neutral and sulfated glycolipids of mammalian origin very nicely by proceeding stepwise through the various families. Each glycolipid is covered in 1-2 paragraphs describing initial isolation, characterization, and either distribution or species or disease states characterized by elevated levels. These authors also tabulate 36 fucolipids of increasing complexity and then venture into the area of glycolipids in invertebrates. Sections are provided on general isolation and characterization of glycolipids, biosynthesis, catabolism, blood group lipids and tumor lipids.

Glycoglycerolipids are reviewed in a somewhat different style, perhaps related to the diversity of structures of this type found in

bacteria, plants and animals. Ishizuka and Yamakawa do an admirable job of bringing together this information. Their tables tend to focus on occurrence and, in some cases, fatty acid distribution for the same or similar lipids in different species. Wiegandt, meanwhile, packs an amazing amount of information into the chapter on gangliosides. The average of nine references per page of text for the total volume arises in part from Wiegandt's inclusion of an average of 15 references per page in his chapter. Hemming reviews the role of the polyrenol phosphates in glycosylation reactions.

As the title suggests, this is a comprehensive textbook suitable for a specialized portion of an advanced graduate level course or as an encyclopedic reference source. The chapters are readable and, despite the number of literature citations, are not unduly heavy-going. Structures are largely numbered and restricted to listings in rather long tables rather than being routinely repeated throughout the text. Citations appear largely to end in early 1982. This is a well-organized, well-written and well-edited text which can be strongly recommended to that vanishingly small minority of lipid chemists and biochemists interested in glycolipids.

Lloyd A. Witting

Lipids, Chemistry, Biochemistry, and Nutrition, by James F. Mead, Roslyn B. Alfin-Slater, David R. Howton and George Popjak (Plenum Press, 233 Spring St., New

York, NY 10013, 1986, 486 pp., \$69.50).

About 10-15 years ago, there was a surplus of good, up-to-date texts on lipids. Those by Florkin and Stotz (1970), Wakil (1970), Kates (1972), Masoro (1968) and Gurr and James (1971, 1980) come immediately to mind. In the interim there have been a number of specialized volumes and review volumes, but the time has come again for a new, general text.

The authors of this book should be well known to all lipid chemists: Mead for his early work on essential fatty acids and radiolabeled fatty acids, and Popjak for his extensive studies on fatty acid and cholesterol biosynthesis. Alfin-Slater might be considered a second-generation lipid textbook author as a protégé of Deuel, who wrote a massive three-volume text (about 3,000 pages and 25,000 references) a generation ago. Mead and Alfin-Slater were among the colleagues of Deuel who, after his death, assisted in the completion of the third volume of that text. An interesting note is that both the third volume of Deuel (1956) and the current text (1986) acknowledge the assistance of Lilla Aftergood.

Of necessity, the traditional group of chapters is included, although not necessarily in traditional sequence or in uniform depth. One finds an eclectic group of chapters based on the diverse interests of four separate authors. This results in novel and refreshing approaches. We have all undoubtedly encountered that traditional