

# F.D. Gunstone accepts '73 Award in Lipid Chemistry

F.D. Gunstone, professor in the Department of Chemistry, University of St. Andrews, St. Andrews, Scotland, has been named the 1973 recipient of the American Oil Chemists' Society Award in Lipid Chemistry. The foremost British scientist engaged in the investigation of the chemistry of fatty acids and their derivatives, Gunstone has made vital contributions to the knowledge of the chemistry of naturally occurring and synthetic oxygenated fatty acids. In 1946, having completed his Ph.D. at the University of Liverpool under noted chemist T.P. Hilditch, Gunstone assumed the position of lecturer in chemistry, University of Glasgow. He remained in that post until 1954, when he began his work at St. Andrews where he has served as lecturer, 1954-59; senior lecturer, 1959-65; reader, 1965-70; and professor, 1971-. Gunstone's activities extend from research and teaching to participation in university administration, as adviser of studies, admissions officer, prodean of the faculty of science, and member of the university senate and senate/court committees including the Finance Executive Committee. Extrauniversity appointments have included: member of Consultative Committee on Oils and Oilseeds, Tropical Products Institute, Ministry of Overseas Development, 1962-68; member of International Committee on Lipid Nomenclature, 1963-67; vice-chairman, 1967-69, and chairman, 1969-71, of the Oils and Fats Group, Society of Chemical Industry, London; external examiner—University of Glasgow (medical students), 1964-67; Ordinary and Higher National Certificates (Scotland), 1964-70; Liverpool College and Technology (applied chemistry of fats and oils), 1965-69; and numerous Ph.D.

and D.Sc. theses.

Sponsored by Applied Science Laboratories, the AOC S Award in Lipid Chemistry consists of a plaque and a \$2500 honorarium, and was established in 1964 to recognize the accomplishments of outstanding original research in lipid chemistry, the results of which have been presented through publication of technical papers of high quality. Preference is given to those actively associated with research in lipid chemistry, who have made fundamental discoveries that affect large segments of the lipids field. Gunstone, who has authored or coauthored over 150 articles and books, is recognized for his contributions to research in the following areas of lipid chemistry: the composition of animal and vegetable fats, new acids, and glyceride composition; the synthesis and the physical, chemical and biological properties of long chain unsaturated acids and related compounds; the chemical properties of long chain unsaturated acids, including current exploration of the preparation and properties of long chain mercapto acids, the preparation of 2,4,6-trienoic and 2,4,6,8-tetraenoic acids as reagents for quantitative detection of 'SH groups, applications of hydroboration to the reaction of unsaturated acids, preparation and properties of long chain hydroperoxides, and extension of the oxymercuration-demercuration reaction as an analytical and isolating procedure.

The achievements of his students, many of whom have become research leaders in lipid chemistry, attest to Gunstone's prowess as a teacher. His influence has spread far beyond the St. Andrews campus, through lecture tours in India and Argentina and through his textbooks, which include an authoritative work on fat chemistry, first

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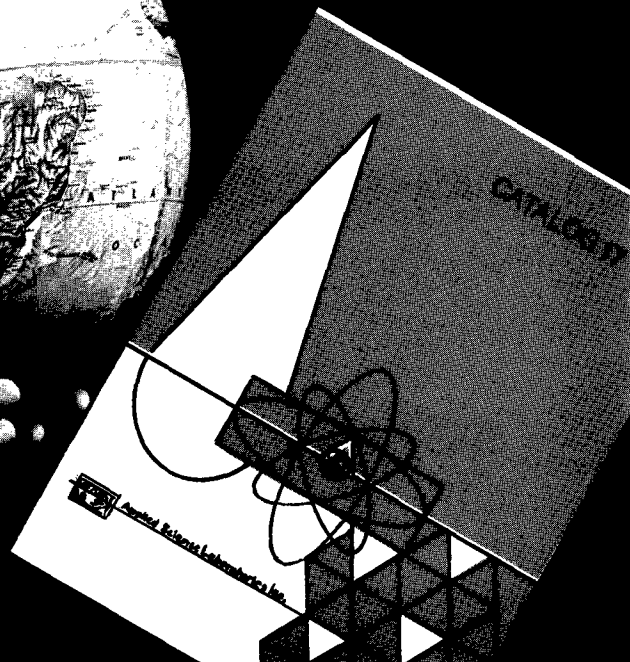
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# Henry Vix concludes 30 years of USDA service

Henry L.E. Vix, research chemical engineer and chief of the Engineering and Development Laboratory at the USDA's Southern Regional Research Center (SRRC) in New Orleans has retired after more than 30 years of service.

A native of New Orleans, Vix received his B.E. degree in

## ● Gunstone. . .

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published in 1958 and completely revised in 1967, and a recently completed series of three volumes, *Topics in Lipid Chemistry*.

The Award in Lipid Chemistry, presented to Gunstone at the AOCS 47th Annual Meeting, September 16-19 in Chicago, joins a long list of previous honors, including the Sykes Gold Medal from St. Andrews University, 1961; election as an associate of the Royal Institute of Chemistry, 1945, and as a fellow of that same body, 1964; the Medal of the University of Liverpool Chemical Society, 1964; the receipt of grants from the Sciences Research Council, the Carnegie Trust, the Ministry of Overseas Development, Procter & Gamble Ltd., Unilever Ltd., Albright and Wilson Ltd., and the Indian Lac Exporters Association.

Gunstone has been an AOCS member since 1967. ■

chemical engineering from Tulane University. He joined SRRC in 1942 as a chemical engineer and became supervisory engineer in 1949. From 1958 he served as head of the cotton products group until his promotion to laboratory chief in 1963.

In 1956, Vix received, as a member of a group, the USDA Superior Service Award for the filtration-extraction process to remove oil from cottonseed and other oilseeds. He more recently supervised the development of the liquid cyclone process for the production of high protein cottonseed flour, and the installation of the pilot plant facilities at SRRC for the production of protein isolates from oilseed flours. He has authored or coauthored 86 publications and 11 patents.

Vix, who joined AOCS in 1946, is a member of the American Chemical Society, the American Institute of Chemical Engineers, the Society of Tulane Engineers, the American Association of Textile Chemists and Colorists, Alpha Sigma Epsilon, Alpha Chi Sigma, Tau Beta Pi and the Scientific Research Society of America. ■

## ● Exhibits. . .

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automatic amino acid analyzer, micro syringes, gas-liquid syringes, repeating reagent dispensers, tissue homogenizers, UV and VIS flow monitors. Representatives: James A. Ramin, Kenneth R. Stephens, Frank Meluso, John Kawa.

HOFFMANN-LA ROCHE INC., Nutley, N.J. (BOOTH 16). Featuring Vitamin A, Beta Carotene, Apo Carotenol, Roxanthin Red 10, and BHA. Representatives: H.P. Gormley, Ben Borenstein, J.C. Lamping, Mary L. Engsborg. See ad on p. 381A.

INDUSTRIAL FILTER & PUMP MFG. CO., Cicero, Ill. (BOOTH 22). Featuring illustration of filtration systems for the vegetable oil industry, a model filter, and literature on entire equipment line. Representatives: Richard W. Crain, Frank Passalacqua, James F. Zievers, Edward H. King.

LAKELAND ENGR. EQUIPMENT CO., Minneapolis, Minn. (BOOTH 4). Featuring display of electrical controls.

NORTH AMERICAN FILTRATION, Upper Saddle River, N.J. (BOOTH 6). Featuring literature and discussion of filtration, bleaching and hydrogenation systems. Representatives: Woody Daly, Ned Brinkmeyer.

NU CHEK PREP, Elysian, Minn. (BOOTH 19). Featuring GLC and TLC standards and high purified lipid organics. Representatives: John Nadenick, Lowell Nutter, Brad Atherton.

PER CORP., Metuchen, N.J. (BOOTH 25). Featuring a display of filtration system equipment. Representatives: Roger Vannelli.

L.A. SALOMON & BRO., INC., Port Washington, N.Y. (BOOTH 26). Exhibited will be TONSIL activated clay and NORIT activated carbon adsorbents with latest literature available. Of special interest to those concerned with environmental control will be ACCOFLOC bentonite coagulant and flocculant aids and SALINE SEAL for sealing industrial waste lagoons. Representatives: A.M. Rossetto, Jr., Henry G. Salomon, and Dr. Ernst Goebel.

TEKMAR CO., Cincinnati, Ohio (BOOTH 9). Showing small mechanical high-frequency homogenizers, analytical mills and automatic dispenser-diluters. Representatives: Lothar Witt, Paul Hengst, James Grote.

WURSTER & SANGER, Chicago, Ill. (BOOTH 3). Featuring a self-contained picture and literature display case. Representatives: A.V. Graci, W.J. McPherson, W.S. Gallagher, F.R. Adams. See ad on p. 384A. ■

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