

• *New Members*

Active

Bruce M. Bare, Consultant, Arthur D. Little, Inc., Cambridge, Massachusetts
James T. Collins, Project Leader, Quaker Oats Co. Res. Lab., Barrington, Illinois
Joseph James Creely, Res. Chemist, U.S. Dept. of Agriculture, New Orleans, Louisiana
Robert G. H. Fern, Sr. Sales Manager; Imperial Oil Ltd., Toronto, Ont. Canada
Walter P. Gible, Res. Chemist, Hunt Foods and Industries, Fullerton, California
Herbert Alfred Haessler, Senior Staff Member; Scientific Engineering Institute, Waltham, Massachusetts
Jerry W. Harlan, Head Chem. for Food Ind., Swift and Co., Chicago, Illinois
Donald Fred Heinichen, Chemist, Witeco Chem. Co., Chicago, Illinois
Dakshinamurty Hejeebu, Res. Chemist, Northern Utilization & Dev. Div., Peoria, Illinois
Frithjof Wilhelm Hougen, Res. Chemist, Univ. of Manitoba, Winnipeg, Manitoba, Canada
Dr. William E. Klopfenstein, Asst. Prof., Kansas State University Dept. of Biochemistry, Manhattan, Kansas
Prof. Zbigniew Kwapniewski, The Head of Dept. of Org. Chem., Normal School, Szkolna 9, Katowice, Poland
James M. Lacono, Assistant Professor, University of Cincinnati, Cincinnati, Ohio
Marjorie H. Lamb, Chemist, Purex Corp., Ltd., Wilmington, California
Peter John Langley, Chemist, Best Foods Division, Corn Products, San Francisco, California
George White Lowry, Manager, Technical Service, General Aniline & Film Corp., Easton, Pennsylvania
Cecil Thomas Manson, Works Director, Premier Oil and Cake Mills, Ltd., Hull, England
Jose Dolores Martino, Sud Director Laboratorio-Director Tecnico, Minist. Industria y Com—Aceitera Iaugua S.A. Asuncion, Paraguay
Michael Joseph Mastrangelo, Captain MC, Molecular Biological Br., Edgewood Arsenal, Maryland
Dr. Alan Mellors, Postdoctoral Scholar, University of California, Department of Food Science, Davis, California 95616
Robert E. Mersfelder, Group Leader in Food Products Dev., Proctor & Gamble Co., Cincinnati, Ohio
Bert Baruch Migicovsky, Assistant Director General, Canadian Department of Agriculture, Ottawa, Ontario, Canada
David Henry Mitchell, Chemist, Durkee Famous Foods, Chicago, Illinois
Ralph O. Mumma, Assistant Professor, Pennsylvania State University, University Park, Pennsylvania
Benjamin N. Neustadt, President, Permastay Products Corp., Lewiston, New York
Lawrence W. Newton, Technical Manager, Union Carbide Chemicals Co., New York, New York
Dr. Claude Piantadosi, Professor, University of North Carolina, School of Pharmacy, Chapel Hill, North Carolina
Wilbur E. Robinson, Project Leader, Laramie Petroleum Res. Center (U.S.B.M.) Laramie, Wyoming
Hans Erich Rost, Section Manager, Unilever Forschungs Laboratorium Hamburg, 2 Hamburg, Germany
George Edward Sadek, Production Supervisor, Oil Refinery, Corn Products Co., Argo, Illinois
Frank Joseph Sasevich, Chemist, Durkee Famous Foods, Chicago, Illinois
Henry J. Scherr, Chem. Eng. Techn., U. S. Department of Agriculture, Eastern Utilization, Philadelphia, Pennsylvania
Arthur Albert Schmitz, Analytical Chemist, Armour Industrial Chemical Co., McCook, Illinois
Earl K. Schultz, Jr., Manager, Quality Control Department, Armour Grocery Products Co., Chicago, Illinois
Ian Stuart Shepherd, Scientist, Unilever Ltd., Welwyn, England

John Davis Sink, Assistant Professor, The Pennsylvania State University, University Park, Pennsylvania
Nolly Sirkis, Assistant Chief of Res. & Dev. Lab., Molinos Rio de la Plata S. A., Buenos Aires, Argentina
Vida Slawson, Laboratory Technician, University of California, Dept. Bio. Chem., Los Angeles, California
Jozef Sliwiok, Sr. Assistant, The Head of Department of Organic Chemistry, Normal School, Katowice, Poland
Frank E. Spink, Res. Chemist, Westreco, Inc., Fulton, New York
Robert Suffis, Group Leader, General Formulations, Menhert Co., Morristown, New Jersey
Hobart Batrand Sullivan, Jr., Laboratory Manager, Robinette Res. Laboratories, Inc., Berwyn, Pennsylvania
Harold D. Taylor, Sr., Res. Chemist, Bristol Laboratories, Syracuse, New York
Robert Hamilton Turnbull, Assistant Oil Supervisor, Canada Packers, Ltd., Montreal, Canada
Gerda Emilie Urbach, Experimental Officer, CSIRO, Division of Dairy Res., Melbourne, Australia
Peter Kurt Vogel, Section Manager, Unilever Research Laboratories, Hamburg, Germany
Wayne Otto Wiese, Chemist, Durkee Famous Foods, Chicago, Illinois
Clyde Thomas Young, Assistant Chemist, Georgia Experiment Station, Experiment, Georgia

Individual Associate

Sheriar Schrab Mistry, Director, Ahura Chem. Products Private Ltd., Bombay, India
Ellis Phillip Robinson, Resident Chemist, Food and Drug Administration, Washington, D. C.
Harold Douglas Wise, Assistant Manager, Decofil S. A. Monterrey, Mexico

Corporation Associate

Quaker Chemical Corp., (Rep: Theodore Snyderman) Conshohocken, Pennsylvania

Active Junior (1st year free)

David Henry Attaway, Resident Assistant, University of Oklahoma, Norman, Oklahoma
Zoltan Handi, Resident Assistant, Hormel Institute, Austin, Minnesota
Alice S. Bennett, Graduate Assistant Resident, Purdue University, Lafayette, Indiana
Peter Erich Braun, Graduate Student, University of California, Berkeley, California
Michael John Brennan, Graduate Student, Rutgers, The State University, New Brunswick, New Jersey
Stephen Paul Burger, Graduate Student second year, University of Washington, Seattle, Washington
Wan-Chang Chiang, Graduate Student, Florida State University, Tallahassee, Florida
Kian Sai Chio, Student, University of California, Davis, California
Richard Joseph Cost, Laboratory Technician, Emery Industries, Inc., Cincinnati, Ohio
Alfred Antrony Eopechino, Graduate Student, Rutgers, The State University, New Brunswick, New Jersey
Karl O. Herz, Resident Fellow, Rutgers, The State University, New Brunswick, New Jersey
Ramana Rao Govindacharya, Resident Assistant, Rutgers, The State University, New Brunswick, New Jersey
Bobby Joe Gormus, Graduate Student, Duke University, Durham, North Carolina
Mary Ethel Granade, Graduate Student, University of Washington, Seattle, Washington
Helaine Sue Gubin, Graduate Student, University of California, Berkeley, California
Yoshio Hirano, Graduate Student, University of Florida, Tallahassee, Florida
Bobbie Killingworth Hutchins, $\frac{3}{4}$ time graduate, Assistant, Florida State University, Tallahassee, Florida
Carol Ann Inkpen, Graduate Student, Purdue University, Lafayette, Indiana
Ranjit Kadan, Resident Assistant, Rutgers, The State University, New Brunswick, New Jersey

Howard Kaplan, Graduate Student, Rutgers, The State University, New Brunswick, New Jersey
 Endel Karmas, Resident Assistant Rutgers, The State University, New Brunswick, New Jersey
 Yoshiyuki Kawase, Rutgers, The State University, New Brunswick, New Jersey
 James Robert Kirk, Graduate Resident Assistant, Michigan State University, East Lansing, Michigan
 Hemant Vithal Kulkarni, Resident Student, University of Bombay, Bombay, India
 Sherman Shin-Nan Lin, Resident Assistant, Rutgers, The State University, New Brunswick, New Jersey
 Ali A. Mohammadzadeh-K, Student, University of California, Davis, California
 Michael Victor Rathmill, Graduate Student, Michigan State University, East Lansing, Michigan
 Amiram Raz, Fellow and Assistant in Food Science, University of Illinois, Urbana, Ill.
 Jaswant Singh, Graduate Resident Assistant, Michigan State University, East Lansing, Michigan
 William C. H. Yen, Graduate Student, Rutgers, The State University, New Brunswick, New Jersey

14th Annual Conference on Mass Spectrometry and Allied Topics

The 14th Annual Conference on Mass Spectrometry and Allied Topics will be at the Sheraton-Dallas Hotel in Dallas, Texas. The Conference will be under the auspices of Committee E-14 on Mass Spectrometry of the American Society for Testing and Materials.

Four Symposia Planned

In addition to contributed papers and to technical meetings of Committee E-14 and its subcommittees, the Con-

ference will include four one-half day symposia in which invited speakers will discuss particular subjects related to mass spectrometry. These symposia, together with those individuals responsible for their arrangements, are as follows: *Ionic Collision Processes*, arranged by C. F. Giese, University of Minnesota; *Solids Studies*, arranged by W. A. Chupka, Argonne National Laboratory; *Advances in Analytical Mass Spectrometry*, arranged by A. G. Sharkey, Jr., US Bureau of Mines; *Instrumentation Developments*, arranged by L. F. Herzog, Nuclide Corporation.

Papers on research and development topics pertinent to mass spectrometry and ionization phenomena are solicited. The deadline for submitting abstracts will be Feb. 15, 1966. Contributed papers and correspondence should be sent to: Dr. H. M. Rosenstock, National Bureau of Standards, Washington, D. C. 20234.

Bound volumes of preprints will be available to conference attendees.

• Industry Items

NOPCO CHEMICAL COMPANY, Newark, N. J., has purchased the property and equipment of the Marcus Ruth Jerome Company, Pittsburgh. The installation was designed to produce fatty oils, esters, and amines for chemical processing. Nopeco chemical will produce industrial grade lard oil here for use in the manufacture of metals and pharmaceuticals, plus esters and amines for use in a wide variety of chemical specialty products.

The G. BARR COMPANY celebrated its 30th anniversary on Nov. 3, 1965, and the first anniversary of its Niles, Ill., manufacturing plant. In three decades the company has grown from a three-man operation to a packaging supplier capable of a weekly capacity of four million aerosol units and eight million packages. Non-aerosol packaging includes drink mixes, detergents and special items for sample mailings packaged in pouches, cartons, tubes and jars.

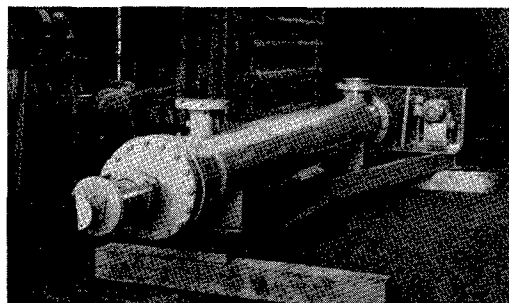
ARMSTRONG SCRAPED SHELL CRYSTALLIZERS

PILOT CRYSTALLIZER RENTAL UNITS

Typical Fluids: Animal Oils, Vegetable Oils, Tall Oil, Fish Oils, Paraxylene, Paradi-chlorobenzene, Dewaxing Lube Oils, Many Organic Intermediates

APPLICATIONS

Low Temperature Crystallizing
 Crystallizing Organics or
 Viscous Fluids
 Cooling Fluids up to 80,000 cp.
 Materials with High Boiling Point Rise



12" Inner Pipe Pilot Crystallizer, 10' Scraped Length. 316SS Inner Pipe, C/S Refrigerant Jacket. 3/4 HP Explosion Proof Motor.

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