

eration of the local vegetable oil producers have undertaken the development of experimental farms for studying the possibilities of growing different types of oilseeds to determine which finds the most favorable conditions in our climate. The findings of this study should be available in the near future.

## • *New Members*

### Active

Lilla Aftergood, Postgraduate Researcher, University of California, Los Angeles, Calif.  
 Robert Louis Anderson, Research Biochemist, Procter and Gamble, Cincinnati, Ohio.  
 Rolf Ragnar Bergkvist, Technical Director, Margarinbolaget A/B Bromma, Sweden.  
 Richard C. Bozian, Associate Professor, Medicine, University of Cincinnati, Cincinnati, Ohio.  
 Merrida Powell Coxwell, Sr., President, Southern Technical Services, Inc., Jackson, Miss.  
 William Hugh Estill, Head, Quality Assurance Dept., Swift and Company, Fort Worth, Texas.  
 Richard Miller Harrison, Research Scientist, Mead Johnson Res. Center, Evansville, Ind.  
 Albert I. Holtz, Research Investigator, University of Pennsylvania, Philadelphia, Pa.  
 Mark Keeney, Professor, University of Maryland, College Park, Md.  
 Edgar Lederer, Professor of Biochemistry, Paris University, Orsay, France.  
 Robert Stromer Lucas, Research Chemist, Purex Corp., Wilmington, Calif.  
 Edward William McAleer, Executive Vice President, in charge of manufacturing, Formax Mfg. Co., Detroit, Mich.  
 Basil T. Papahronis, Project Leader Research and Development, Hunt Foods Industries, Fullerton, Calif.  
 Glenn Wayne Patterson, Assistant Professor, University of Maryland, College Park, Md.  
 Jairo Enrique Pena, Section Manager, Research Department, Cargill, Inc., Minneapolis, Minn.  
 Berry O'Kelly Powell, Chief Chemist, Formax Manufacturing Co., Detroit, Mich.  
 Robert Scheig, Assistant Professor of Medicine, Yale University, New Haven, Conn.  
 Yasuo Shiina, Researcher, Kao Soap Co., Tokyo, Japan.  
 Henry A. Walens, Research Chemist, EURDD-USDA, Philadelphia, Pa.

### Individual Associate

Clifford R. Glowacki, Chemist, Archer Daniels Midland Co., Bloomington, Minn.  
 George John Hausmann, Vice President, Production and Research, Bullen Chemical Co., Foleroft, Pa.  
 Murrell Morice Pittman, Laboratory Technician, Pattison's Laboratories, Inc., Harlingen, Texas.  
 Larry Don Ray, Chemist, Kingsburg Cotton Oil, Kingsburg, Calif.

### Active Junior (1st year free)

Robert Wayne Boggs, Research Graduate Student, University of California, Davis, Calif.

## Market Research— Undeveloped Opportunity

(Reprinted with permission from the Gallagher Report, Feb. 8, 1966.)

This item is particularly for industrial manufacturers. For every \$1 million spent by major industrial companies in basic developmental research less than \$100 is invested in market research. Electrical equipment and communications industry will invest \$1.2 billion in research & development this year. Chemical and allied companies have budgeted similar amount. Primary and fabricated metal manufacturers set aside \$401 million for 1966 R&D. Yet most industrial companies have no market research budget.

# TENOX<sup>®</sup> TIPS

Antioxidant

## 1 year plus 2 months plus 3 weeks plus 3 days plus...

After 451 days we made another peroxide determination, and when we saw that the treated lards (continuously held at 105°F.) had not yet reached a 20 meq. value, we figured it was time to stop the test. That accounts for that last "plus."

The test was run to determine how lard might fare in the molten state in trans-Atlantic tankers. Lard which had not previously been treated with antioxidants of any type was used in the Eastman Food Technology Laboratories to prepare samples containing the maximum allowable concentration of various Tenox antioxidants. Along with the 105° test, AOM tests were run. These are the results:

Lard Sample	AOM stability*	105°F. stability**
control	3	71
with Tenox 2 antioxidant	70	>451
with Tenox 4 antioxidant	44	>451
with Tenox 6 antioxidant	74	>451
with Tenox 7 antioxidant	80	>451
with Tenox S-1 antioxidant	78	>451

\* hours to reach 20 meq. peroxide value  
 \*\* days to reach 20 meq. peroxide value

The results show that unless you're chartering a very, very slow ship, Eastman is the one to see for your antioxidant requirements in stabilizing molten lard for trans-Atlantic shipment... or even trans-Pacific shipment.

The expert advice of Eastman's Food Laboratory personnel is available to all users of Tenox antioxidants. Highly trained, with a broad knowledge of antioxidants plus invaluable practical experience, these technologists are well equipped to help solve your oxidation and rancidity problems.

**SALES OFFICES:** Eastman Chemical Products, Inc., Kingsport, Tennessee; Atlanta; Boston; Chicago; Cincinnati; Cleveland; Dallas; Detroit; Greensboro, North Carolina; Houston; Memphis; New York City; Philadelphia; St. Louis. **Western Sales Representative:** Wilson & Geo. Meyer & Company, San Francisco; Los Angeles; Seattle; Salt Lake City.