## Clayton Provides New Service for U. S. Industry

A new, over-the-road, completely self-contained boiler room that can provide up to 30,000 lb steam per hour virtually anywhere in the United States, within hours, has been made available to industry by the Clayton Mfg. Co., El Monte, Calif.

According to William Clayton, founder and president of the company, this new mobile steam plant is designed primarily to provide steam for seasonal food packing plants and for seasonal overloads in any industry. In addition, the unit eliminates costly downtime during emergency breakdowns, plant remodeling and maintenance shut-downs for periods ranging from a few days to many months.

"Our surveys show, for example, that it is far less expensive for a seasonal canning operation to lease steam for a specific period than to invest in boilers, buildings, maintenance, operating personnel, and insurance on a year around basis," Mr. Clayton pointed out.

The first of a fleet of such units is headquartered at the Clayton plant in Cincinnati, Ohio. Completely automated, the plant is housed in a 40 ft van type trailer and can be operated in any location where water, fuel and electricity are available. After connecting to the plant steam line, full operating pressure, at a minimum of 80% efficiency, is reached in a period of minutes.

Major equipment within the van includes five ROG-175 oil or gas-fired Clayton Steam Generators for a total of 900 BHP output at discharge pressures ranging from 50 to 250 psi; a fuel oil transfer pump, capable of a 10 ft suction lift; completely automatic water softening equipment; a feedwater heater type condensate receiver; and a chemical proportioning pump with a 35 gal stainless steel storage tank.



## 1968 Glycerine Research Award Winners Named

## Three AOCS Members Honored By Glycerine Producers

The 1968 Glycerine Research Award winners were announced by The Glycerine Producers Association, a division of The Soap and Detergent Association. The first award, $1000, was won by a team of three workers at the University of Michigan at Ann Arbor, W. E. M. Lands, E. E. Hill and Sister Paul Michael Slakey, Ph.D. The award-winning work was a series of studies on the structure of combinations of glycerine and fatty materials which determine the characteristics of fats and related compounds (triglycerides and phospholipids) in living tissue, and the metabolic processes which form these derivatives.

The second award was won by Gerhard Freund, Assistant Professor of Medicine, at the University of Florida. The subject of Dr. Freund's award-winning work was "The Metabolic Effects of Glycerol Administered to Diabetic Patients." In this study glycerine was fed to diabetic patients without insulin to determine if it could be metabolized as a carbohydrate without requiring insulin. It was found that glycerine given in place of isocaloric amounts of dextrose reduced ketone bodies in the blood of ketosis-prone diabetic patients to within normal limits.

The first place award was presented to Dr. Lands and his co-workers at a luncheon in New York on January 24th during the Annual Convention of The Soap and Detergent Association. Dr. Lands is Professor of Biological Chemistry at the University of Michigan and Dr. Hill, an instructor in the same department. Sister Paul, who is Assistant Professor and Acting Chairman, Chemistry Department of St. Dominic College, St. Charles, Illinois, carried out the work in the course of her graduate study for Ph.D. at Ann Arbor, and Dr. Hill's part of the work was as a post doctoral research associate.