

concentrate industry feasible; five-to-one concentrate with full flavor and practically no water. Milk, grape juice, and other natural beverages can also be concentrated by this process.

### New Unit Makes Brea Biggest Dry Ice Producer in West

Brea Chemicals has begun shipments of dry ice from its recently completed carbon dioxide recovery unit established as an adjunct to Brea's ammonia plant. Production from the new unit in Brea, Calif. combined with that of a similar in-

stallation in Santa Maria, makes Brea the biggest dry ice producer in the West. Combined production of the two plants is 150 tons of carbon dioxide per day.

### Monsanto Constructing 400-Ton-Per-Day Contact Sulfuric Unit

Construction work has been started on a 400-ton-per-day 100% sulfuric acid unit at Monsanto Chemical's William G. Krummrich plant at Monsanto, Ill.

The new unit, which is expected to be in production Jan. 1, 1955, will supplement existing facilities. The unit is

known as a Leonard-Monsanto contact sulfuric acid plant. It is typical of plants which have been put up under contract in various parts of the country by the engineering sales department of the company's research and engineering division. What is believed to be the largest unit in the world of this type, a 550-ton-per-day unit, was recently completed at Bartow, Fla., for Davison.

### Kodak's DPI Division Expands Production of Monoglycerides

Distillation Products Industries division of Eastman Kodak Co. has increased its production facilities for Myverol distilled monoglycerides. Raymond W. Albright, DPI general manager, said the expansion was necessary to meet customer demand.

The current expansion of facilities in this Mt. Read plant is expected to provide even greater efficiency and improved quality control of product, the DPI executive said.

In a program of continuing development work, DPI is currently investigating new methods of blending shortening and is setting up a pilot plant in this field. The division is also carrying on research into various other commercial and industrial applications of the materials.

### FMC Purchases USI Plant, Sets Up Pesticide Division

Food Machinery and Chemical Corp. has completed negotiations for the purchase of National Distiller's USI Division plant, in Fairfield, Md. Food Machinery plans to operate the Fairfield plant as a separate division of the corporation for the production of pesticides.

The Fairfield Chemical Division of FMC will concentrate on production of piperonyl butoxide, pyrethrins, allethrin, and grain protectants. FMC is already considering plans to expand the operations of the newly created division in the area of pesticide chemicals.

### People

**Peter C. Crolius** has joined the staff of The National Fertilizer Association as editorial assistant. Mr. Crolius was graduated this year from Cornell University's department of extension teaching and information in the college of agriculture.



He will assist **Peter C. Crolius** **Delbert L. Rucker**, director of information, in conducting the information and public relations programs of the NFA.



*moly*

*makes*

*the*

*clover*

*grow*

Sodium molybdate at one ounce per acre increased the yield of red clover in this field six times. Top, sodium molybdate; bottom, no treatment.

**C**lover and other legumes need traces of **MOLYBDENUM** to fix nitrogen. When "moly" is lacking in the soil, crops are stunted and pale yellowish green. Treatment of deficient soils with a few ounces of a moly chemical per acre has increased yields up to six times.

Make a summer spray trial on your poor clover stands. Write for our bulletin "Testing for Molybdenum Deficiency."

CLIMAX MOLYBDENUM COMPANY, 500 FIFTH AVE., NEW YORK 36, N. Y.

**W. K. McCready** has been appointed Director of manufacturing by Velsicol Corp.

McCready who joined Velsicol in 1950 now assumes direction of all manufacturing in the Velsicol plants located in Memphis, Tenn. and Marshall, Ill. He will have his headquarters in Memphis.

**Richard R. Schwankl** has been appointed assistant director of manufacturing under McCready, with headquarters at the Velsicol general offices and laboratories at Chicago. Schwankl started with the firm 7 years ago, in the accounting department.

**V. H. Boden** and **D. B. Mullin** have been appointed assistant sales managers of the industrial chemicals sales department of Carbide & Carbon Chemicals Co. Mr. Boden will continue to supervise the operations of the eastern division from his offices in Philadelphia. Mr. Mullin will be responsible for all the staff operations of the industrial chemicals sales department.

**Laszlo Reiner** has been appointed staff consultant to Food Research Laboratories in the fields of pharmacology, toxicology, and medicinal chemistry. Dr. Reiner was formerly director of research of the laboratories of Burroughs-Wellcome & Co. Dr. Reiner's services as consultant will be available to clients of Food Research Laboratories on problems dealing with the development, improvement, and evaluation of food, drug, and cosmetic products.

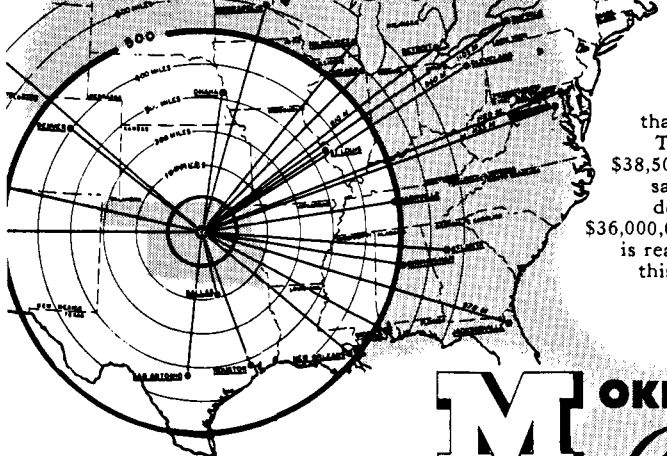
**James A. Kime** has been appointed assistant to the chief, USDA Southern Utilization Research Branch. He has been on the staff of the southern laboratory since 1940.

**Ralph M. Persell** has been promoted to the position of technical assistant to the chief, Southern Utilization Research Branch. Mr. Persell joined the laboratory staff in 1946.

**Augustus B. Kinzel** has been appointed director of research for Union Carbide & Carbon Corp. In this position he will be responsible for administration and coordination of all research activities in all Union Carbide divisions.

**Julian A. Space, Jr.**, and **J. C. Berry** have been elected directors of Chemical Enterprises, Inc. Mr. Space is executive vice president of an investment banking firm in Savannah, Ga., and president of the Herald Publishing Co., Augusta, Ga. Mr. Berry is president of Louisiana Liquid Fertilizer Co. and is serving as president and general manager of a number of Chemical Enterprises' affiliates in Louisiana, Texas, and the Pacific Northwest.

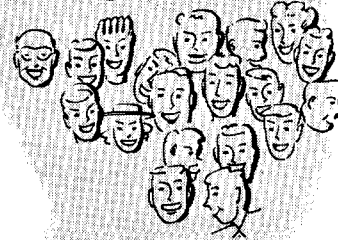
# OKLAHOMA Markets



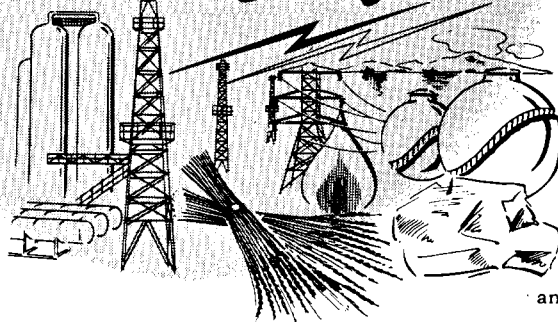
Oklahoma serves the Southwest, the nation's fastest growing market area. Within a 500 mile radius of Central Oklahoma there reside 37,822,000 people who receive annual income payments of more than \$53,000,000,000. These people spend \$38,500,000,000 in retail sales and have bank deposits in excess of \$36,000,000,000. Oklahoma is ready to serve you in this fabulous market.

# OKLAHOMA Men

Oklahoma labor has proven to be productive and easily trained in many diversified skills in developing industry that recently located in our State. Pride and stability in the individual worker is reflected in the negligible amount of man-days lost through work stoppage or labor disputes, thus a reduction in cost of operation and increase of marketable output.



# OKLAHOMA Materials



Oklahoma's natural resources and raw materials are viewed by industry in terms of new plants and plant expansion. Economical natural gas, refinery gases, liquefied petroleum gas, fuel oil, limestone, coal, water and agricultural products are all available in large quantities to meet present and future needs of industry.

Many other facets of Oklahoma's industrial picture bear investigation. Economical power in large quantities throughout the State, an extensive network of air, rail, truck and motor bus transportation; a tax structure beneficial and profitable to industry and numerous industrial sites serviced by utilities, highways and railroads to complete your industrial picture. Look into Oklahoma and then decide that your future is in Oklahoma.

We know that your business has its individual requisites and demands. Therefore, to answer specific questions as they pertain to your industry, write in confidence outlining your needs and requirements. A factual report will be submitted for your consideration.

