

and specialties, under processes recently reacquired from Du Pont. Louis Appel, for many years a perfumer for Du Pont, is now head perfumer at the Paterson plant.

Glidden to Increase Output Of Nopol for Making Flavors

Glidden Co. has announced completion of expansion at its Naval stores plants in Jacksonville, Fla., and Valdosta, Ga., and plans for further expansion in the future. Among the plans for future expansion are additional facilities for producing a bicyclic alcohol derived from turpentine—Nopol. Esters of Nopol have been found useful in the manufacture of odorants and flavors. Dow Chemical has an exclusive license under Glidden patents to develop and exploit the esters in those fields.

Total cost of the completed expansion and future additions is close to \$500,000. Glidden said.

New Engineering Firm Offers Service to Fertilizer Industry

Engineering Service to the fertilizer industry is offered by a newly formed company, the D. M. Weatherly Co. of 51 Wiltshire Drive, Avondale Estates, Ga., near Atlanta.

Formation of the firm was announced by D. M. Weatherly, who has had experience in designing and building fertilizer production facilities.

Mr. Weatherly said that his company will be available for consulting engineering work, including assistance to manufacturers in operating problems and preparation of reports, estimates, and economic evaluations on plant expansions and improvements.

Brea to Make Nitric Acid, Ammonium Nitrate

An engineering contract for planning a new nitric acid and ammonium nitrate plant has been awarded to C. F. Braun & Co., by Brea Chemicals, Inc., subsidiary of Union Oil Co. of California.

The proposed plant would cost about \$2.5 million and be located adjacent to the \$13 million ammonia plant now under construction at Brea for the Amoniaco Corp. The ammonia plant, which is leased and will be operated by Brea Chemicals, Inc., is scheduled for completion early in April. Most of the initial output of ammonia will be marketed as aqua ammonia fertilizer solution in the principal farm areas of the West, Hawaii, and Mexico.

Hekathorn Affiliate Changes Name to United Fertilizer

United Fertilizer Co. is the new name for the Agricultural Chemicals Service Co.

The change was made to be more descriptive of its function—distribution of commercial fertilizers. It also ties in with advertising of the United Chemical Co., which supplies commercial insecticides, fungicides, and kindred products to farmers in the five Pacific States.

Personnel and officers remain the same as for the other two companies, Heckathorn & Co. and United Chemical Co., 641 South Fourth St., Richmond, Calif. E. S. Heckathorn is president, I. R. Burden, vice-president, and L. R. Moretti, secretary-treasurer.

Heckathorn & Co. is the manufacturing unit for the two United companies, and also does packaging, blending, and compounding for many firms throughout the nation.

Dorr to Design Fertilizer Plants in Japan, Norway

Two new chemical fertilizer plants, half a world apart, are now in the process of design by the Dorr Co. Shin Nippon Chisso Hiryo K.K. plans to construct both a phosphoric acid and ammonium phosphate plant at Minimata, Japan, while Det Norske Zinkkompani A/S will erect a phosphoric acid plant at Odda, Norway.

Shin Nippon will produce granular ammonium phosphate using the Dorrco fines recirculation system. Intermediate phosphoric acid containing

28% P₂O₅ will be made from various commercial phosphate rocks. Through the use of a Dorr process, it is said, no evaporation of the phosphoric acid will be required despite the use of low grade 70% H₂SO₄ as a starting material. Twenty-five years ago a similar plant was designed and erected in Korea for the same company, but this installation was completely destroyed in the course of the recent conflict. The project was initiated by Sanki Engineering Co., Ltd., of Tokyo, and equipment will be supplied from the United States and Japan.

The plant at Norske Zink using Moroccan phosphate rock as raw material will also utilize the Dorrco strong phosphoric acid process and evaporation system to produce concentrated phosphoric acid for the manufacture of triple superphosphate. Sulfur dioxide from zinc roasters will be the starting material for the production of H₂SO₄ used in the process. At the present time superphosphate is the only fertilizer product of this zinc smelter. The equipment for the installation will be manufactured in various European countries.

Anhydrous NH₃ Distribution Station in Oregon

Charles H. Lilly Co. has announced establishment of a distribution station for anhydrous ammonia at Hubbard, Ore. This is another indication that the Pacific Northwest is a rapidly developing market for anhydrous (Newsletter, Jan. 20, page 51). The distribution station will have 10 pick-up tanks of 1000-gallon capacity mounted on trailers for farm delivery and will also have applicator rigs available.

GOVERNMENT

Personnel Shift for Reorganized Agricultural Research Service

THE reorganization of the USDA Agricultural Research Service is proceeding according to the previously announced plans (See Ag and Food Oct. 28, 1953, page 975-78). The following appointments were made effective in the ARS January 8, by Byron T. Shaw.

Crops

Director of Crops Research—A. H. Moseman
 Assistant Director of Crops Research—Karl S. Quisenberry
 Assistant Director of Crops Research—Herbert L. Haller
 Chief, Field Crops Research Branch—Martin G. Weiss
 Chief, Horticultural Crops Research Branch—F. P. Cullinan

Chief, Entomology Research Branch—Edward F. Knipling

Livestock

Director of Livestock Research—O.E. Reed
 Assistant Director of Livestock Research—Hugh C. McPhee
 Chief, Animal Disease and Parasite Research Branch—B. T. Simms
 Chief, Dairy Husbandry Research Branch—Ralph E. Hodgson
 Chief, Animal and Poultry Husbandry Research Branch—T. C. Byerly

Farm and Land Management

Director of Farm and Land Management—Sherman E. Johnson
 Chief, Soil and Water Conservation Research Branch—Robert M. Salter