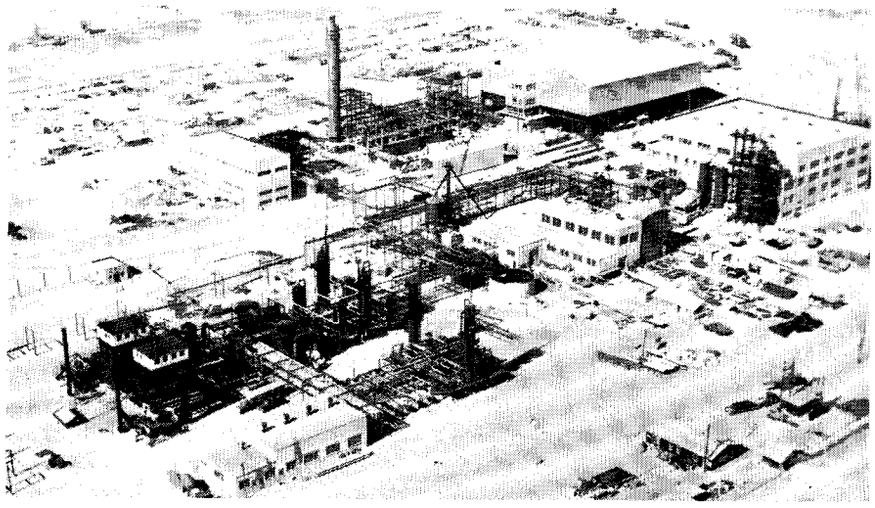

Aerial view of the new ammonia and urea plant of the Nitrogen Division, Allied Chemical & Dye. Gas reforming and carbon dioxide removal areas in the center, with ammonia production facilities beyond that. Installation at upper right is the urea synthesis section

it as only the beginning." Officials of Catalytic Construction Co. and the Girdler Corp., principal construction contractors at the plant, also attended the celebration.

Productive capacity of the plant is 61,700 tons of nitrogen annually, produced as 110,000 tons of urea and approximately 7500 tons of anhydrous ammonia. Some of the latter will be mixed with urea as urea-ammonia solution for use in making mixed fertilizers.

Location of the plant in Omaha is expected to supply midwestern growers with nitrogen fertilizer at much lower costs, including freight, than plant locations in Mississippi, Arkansas, Texas, and Louisiana.

I&MC Opens Fertilizer Mixing Plant at Clarksville, Tenn.

International Minerals & Chemical Corp. has opened its new fertilizer formulating plant in Clarksville, Tenn. The plant has a capacity for formulating 20,000 tons of dry mix fertilizer a year. Phosphate, potash, and nitrogen carriers are brought in from the outside. J. H. Whiteside has been transferred from Tupelo to Clarksville as plant superintendent. James H. Sibley will serve as sales manager for the plant.

Monsanto Opens Radioactive Tracer Lab for Animal Feed Work

Monsanto has installed a radioactive tracer laboratory in the research department of the organic chemicals division to study utilization of feeds by animals. The effect of feed supplements on growth and nutrition will be particularly concerned. The laboratory is also to be used in determining how organic insecticides and herbicides kill insects and weeds. Chemical reactions involved in manufacturing Monsanto products will also be studied.

The new laboratory is part of the company's recently relocated animal nutrition laboratories.

Philipp Bros. to Handle Export of Udet Surfactants, Ag Chemicals

Universal Detergents, Inc. has appointed Philipp Bros. Chemicals, Inc. to handle export sales of its Udet F surfactants and agricultural chemicals. Philipp Bros. already handles sales and distribution of those products in the eastern U. S.

Research

NRC Issues Recommended Dietary Allowances

The 1953 revision of the Recommended Dietary Allowances has been issued by the National Research Council. The allowances are prepared by the Food and Nutrition Board of the NRC, and are generally accepted as dietary standards for the U. S.

The Food and Nutrition Board first accepted the responsibility for these standards in 1940. The first standards were published in 1941, with revisions appearing in 1945 and again in 1948.

The NRC emphasizes that the values presented are the recommended allowances and not to be considered as absolute standards. The allowances are intended to serve as guides for good nutrition of healthy persons in the U. S. The NRC standards differ in several respects from the dietary standards proposed by the Committee on Nutrition of the British Medical Association, and those of the Canadian Council on Nutrition. The Canadian standards approach minimal requirements, the British standards are based on maintenance of good nutrition in the average person, while the NRC standards are those which should provide good nutrition for substantially all persons.

Copies of the 1953 revision of Recommended Dietary Allowances are available from the National Research Council, Washington, D.C., for 50 cents.

People

USDA Honors Employees

The Department of Agriculture has singled out nine of its employees for distinguished service awards, and 84 employees and 13 work units for superior service awards. The presentation was made by Secretary Benson at ceremonies in Washington on May 18, for which Vice President Nixon was the speaker. Among those receiving distinguished service awards were:

Esther L. Batchelder, assistant chief, human nutrition branch, Agricultural Research Service, for developing methods for improving and using dehydrated and home canned foods during World

Esther L. Batchelder (left) of ARS receives distinguished service award from Secretary of Agriculture Benson for her work in foods and nutrition

War II and for her work in Germany and Japan after the war.

Richard T. Cotton, entomologist, biological services branch, Agricultural Marketing Service, for "outstanding world leadership" in the control of insects attacking stored grains and cereal products.

George M. Darrow, horticultural crops research branch, ARS, for leadership and research contributions to breeding and improving small fruits.

Louis C. Williams, director for the extension service, Kansas State College, for leadership in strengthening state and national extension programs, policies, and laws.

Among those receiving superior service awards were:

Gordon Alderton, of the ARS, Albany, Calif., for conducting original research resulting in the discovery and determination of structure of a new sulfur-containing amino acid in the polypeptide antibiotic subtilin.

Samuel I. Aronovsky, ARS, Peoria, Ill., for research leading to the production of paper from agricultural residues.

Harris T. Baldwin, Office of Information, for presenting to the public scientific facts developed in the department in the form of easily absorbed educational exhibits.

George H. Coons, ARS, for leadership and research contributions to the growing of sugar beets through development of disease-resistant varieties.

Samson R. Dutky, ARS, for isolating, describing, and working out the life history of the milk disease of Japanese beetle larvae and perfecting the technique for commercial propagation of spore dust used in its biological control.

Verz R. Goddard, ARS, for work in planning, negotiating, and monitoring research contracts in foods and nutrition.

Harold Gunderson, ARS, for effective instruction in insect and rodent pest control.

Roland W. Haines, ARS, for devising and adapting photographic methods and techniques to obtain accurate detailed pictures used in scientific studies.

Aubrey M. Lee, ARS, for coordinating an important and difficult research project resulting in solving the problem of hyperkeratosis of cattle.

Fred W. Poos, for research resulting in practical control measures for many destructive field crop insects, especially those on legumes and grasses grown for seed and forage.

Wilson A. Reeves, ARS, New Orleans, for discovering a new class of phosphorus-containing polymers and inventing a process for flameproofing cotton.

Among the work units honored were: The liquefied-gas aerosol project, ARS, for research resulting in the development of highly efficient liquefied gas aerosol formulations and equipment for controlling insects harmful to agriculture and public health.

Pear cannery waste project, ARS, Albany, Calif., for developing and demonstrating a successful commercial process and new processing equipment for utilizing pear cannery waste through conversion to molasses and pomace products.

William P. Drake has been named president of the industrial chemical division of Pennsalt. He will be responsible for both manufacture and sale of industrial chemicals.

Christian de Guigne has been elected chairman of the board of Stauffer Chemical Co. Succeeding Mr. de Guigne as president of the company is **Hans Stauffer,** former executive vice president and general manager. **John Stauffer,** vice president and secretary, has taken on the responsibilities of chairman of the executive committee. **James W. Kettle,** formerly associated with U. S. Steel, becomes controller.

Henry T. Cole, Jr., formerly with Du Pont, and **James J. Gallery, Jr.,** have joined the process study group of Hooker Electrochemical. Mr. Gallery was with Allied Chemical before joining the Marine Corps two years ago.

William C. Ashby, research fellow in biology at Caltech, has been awarded a Fulbright grant to conduct research in Australia at the University of Sydney on the physiology and ecology of plants that grow in saline soil. The following year he will become assistant professor of botany at the University of Chicago.

Robert J. Polacek has been named technical assistant to the manager of new products-organic chemicals department in the Michigan Alkali Division of Wyandotte Chemicals Corp.

Frank E. Maple has been appointed general manager of the industrial chemicals department of Commercial Solvents Corp. He was formerly general sales manager for industrial chemicals.

Richard Laster has been promoted from assistant laboratory director at General Foods' central laboratories in Hoboken, N. J., to research manager for the company's Walter Baker division, manufacturers of chocolate and cocoa products. His headquarters will be in Dorchester, Mass.

Three Receive Nutrition Awards

At the recent meeting of the Federation of American Societies for Experimental Biology, Arthur Smith of Yale (left) and Agnes Fay Morgan of the University of California were presented Borden Awards in Nutrition. L. A. Maynard of Cornell was the recipient of the Osborne-Mendel Award in Nutrition