

ions). With the new capacity and access to four synthetic ammonia plants, the company believes it can offer more prompt delivery at lower transportation rates.

According to the company's announcement, plans also call for building office and warehouse space on the island site, transfer of its oil testing laboratory from Woodstock, Tenn., to the new site, the establishment of additional distributorships, and the offering of application equipment to small farmers on a rental basis. The company now offers free soil test reports and fertilizer recommendations to its farmer customers.

Since the company was organized in 1947, it has distributed 65,000 to 75,000 tons of anhydrous in Tennessee, Mississippi, Arkansas, Missouri, Kentucky, and Alabama.

### Brea to Build 2nd Plant for Ammonium Phosphate Solution

Brea Chemicals has announced that it is building a 210,000-gallon unit for producing and distributing ammonium phosphate fertilizer solution at Fresno, Calif. The new unit will complement the company's 2,310,000-gallon aqua ammonia distribution terminal at Fresno and is the second of its kind for Brea. The company has another phosphate solution unit, completed last September, at its ammonia plant at Brea, Calif.

### Pennsalt Opens Chemical Specialties Plants

Pennsylvania Salt Mfg. Co. announces the opening of a new plant at Delaware, Ohio, Jan. 18. This plant is a component of the company's Chemical Specialties Division. A similar installation nearing completion at Chicago Heights, Ill., will be dedicated Feb. 10.

These plants will serve as blending, packaging, and warehousing centers and are the first of a number of projected units designed exclusively for this purpose.

Included among products produced in the new plants are cleaners and sanitizing agents for dairies and milk plants and the Knox-Out line of insecticides.

### Pratt Moves Plant and Office to Paterson, N. J.

B. G. Pratt Co., 50-year-old manufacturer of insecticides, has moved its offices and plant from New York and Hackensack, N. J., to quarters in Paterson, N. J.

According to the company, the new plant affords the company more space for manufacturing, packaging, and warehousing operations, in addition to office space.

## **BUSINESS & FINANCE**

### Glidden Reports \$7 Million Net Profit

Net profit of Glidden Co. for the fiscal year ended Oct. 31, 1954, amounted to \$7,093,043 after taxes and all charges, the company reports.

This was equal to \$3.09 per share and compares with a net profit of \$7,109,272, or \$3.10 per share, for the 1953 fiscal year.

In 1954 net sales of the company were \$209,083,579, third highest total in Glidden history and 1.3% below the total of \$211,758,522 achieved in 1953.

Dwight P. Joyce, president, predicted continued expansion during 1955. "Glidden management expects accelerated growth by acquisition of profitable

going enterprises or products, the creation of manufacturing facilities to expand present major activities, and by bringing into production new items created by Glidden or outside research laboratories."

He said that in the last three years Glidden's basic decision to eliminate activities or products which are divergent to its operations or unlikely to produce adequate profits has freed in excess of \$6 million for more profitable investment. More than half this amount was made available in 1954, he added. Glidden's major new facilities completed or under construction at Baltimore, Chicago, Montreal, Toronto, and other plant locations will have a total value of more than \$16 million.

"Research and development expenditures this year were the largest in Glidden history and we plan to emphasize and expand our research work still further," Mr. Joyce said.

### Monsanto Reports Slightly Higher Sales in '54

Unaudited sales of Monsanto Chemical Co. and its subsidiaries for 1954 amounted to \$341,822,557, an increase of 0.7% over sales for the year 1953, the company reports.

Unaudited net income for the year 1954 was \$23,700,510, which, after provision for preference dividends, is equivalent to \$4.39 a common share. Earnings for the year 1953 were equal to \$4.88 a common share.

## **ASSOCIATIONS**

### NAC Moves Offices

The National Agricultural Chemicals Association has announced that its offices will be moved, effective Feb. 1, to the Associations Building, 1145 19th St., N.W., Washington 6, D. C. NAC's offices have been located at 910 17th St., N.W., in Washington.

### Midwest Soil Improvement Schedules 2-Day Meet in Chicago

Round table discussions of more efficient, cost-cutting methods of producing corn, small grains, and legume grass crops, and reports on the latest results of fertilizer research are on the program of the forthcoming annual joint meeting of Midwestern agronomists and fertilizer industry representatives at the Palmer House in Chicago.

The two-day meeting will open on Thursday afternoon, Feb. 17, and run through noon Friday, Feb. 18. Nearly 500 are expected to attend. The meeting is sponsored by the Middle West Soil Improvement Committee. F. W. Smith, Kansas State College, will be chairman of the meeting.

## **CALENDAR**

**Symposium on the Nutrition of Plants, Animals, and Man.** University of Michigan, East Lansing, Mich. Feb. 14-16.

**National Canners Association.** Conrad Hilton Hotel, Chicago, Ill. Feb. 19-23.

**Indiana Conference on Use of Aerial Equipment in Agriculture.** Purdue University, Lafayette, Ind. Feb. 23-25.

**National Agricultural Chemicals Association.** The Chase and Park-Plaza Hotels, St. Louis, Mo. March 7-9.

**National Farm Chemurgic Council.** Deshler-Hilton Hotel, Columbus, Ohio. March 22-24.

**American Chemical Society,** 127th National Meeting. Cincinnati, Ohio. Division of Agricultural and Food Chemistry. March 30-April 2.

**American Oil Chemists' Society.** Roosevelt Hotel, New Orleans, La. April 17-20.

**American Society of Brewing Chemists.** Hotel Bellevue-Stratford, Philadelphia, Pa. May 1-5.

**American Association of Cereal Chemists.** Chase Hotel, St. Louis, Mo. May 15-19.

**National Fertilizer Association and American Plant Food Council** (joint meeting). Greenbrier Hotel, White Sulphur Springs, W. Va. June 13-15.

**Pacific Northwest Plant Food Association.** Regional Fertilizer Conference. Boise Hotel, Boise, Idaho. June 28-30.

**International Seaweed Symposium.** Trondheim, Norway. July 1-16.

**American Society of Agronomy.** Davis, Calif. Aug. 15-19.

Among subjects to be discussed are: Fall vs. spring application of nitrogen fertilizer, effect of fertilizers on the establishment and maintenance of legume-grass mixtures, and fertilizer economics in a period of surpluses.

### Cottonseed Processing Clinic in New Orleans Feb. 7-8

The fourth annual Cottonseed Processing Clinic will be held at the Southern Regional Research Laboratory, New Orleans, La., Feb. 7 and 8, under the joint sponsorship of the USDA Southern Utilization Research Branch and the Valley Oilseed Processors Association.

On the first day members of the staff of the Southern Laboratory will present the reports on research related to cottonseed. The second day's program, presented by the Valley Association, will continue the discussion of cleaning cottonseed.

### Potato Irradiation Costs—Correction

There were a number of unfortunate errors in the text discussing the costs of the potato irradiation facility, *AG AND FOOD*, page 1265, Dec. 8, 1954.

The plant would be capable of processing 250 bushels of potatoes an hour for a cost of 7 cents per bushel, not 0.7 cent as previously reported. Capital investment for the plant and radiation source is estimated at \$50,000, not \$500,000.

Operating for 26 weeks a year, the annual operating cost of the installation is estimated at about \$40,000 per year. This would include: wages for three operators, overhead, taxes, insurance, and depreciation. Since the installation would only be used six months of the year depreciation costs are carried over a 10-year period. The radiation source is not included in the construction costs because it would be rented from the AEC. The radiation costs are, therefore, included in the estimated costs for annual operation. A nominal charge of \$500 per month is assumed for the rental of the fuel elements from AEC. Operation costs for handling, shipping, and rental of fuel elements is estimated at about \$10,000 per year. This is included in the \$40,000 figure for total operation cost of the installation.

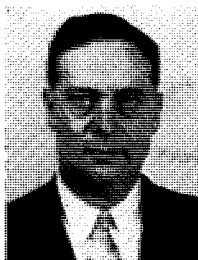
Using two shifts per day and a six-day week the plant would be capable of irradiating about 600,000 bushels of potatoes in a six-month period. Cost per ton for the irradiation would be about \$3.78. Approximate cost of chemical treatment to prevent potato sprouting is \$2.50 using the methyl ester of naphthalacetic acid. Maleic hydrazide has also been used to inhibit sprouting of

stored potatoes. The maleic hydrazide is applied to the potato field as a dust or spray. Here approximate cost of chemical treatment is about \$1.50 per ton.

The potato irradiation plant is discussed in a report from the Engineering Research Institute, University of Michigan, November 1954, by L. E. Brownell, J. V. Nehemias, and J. J. Bulmer. The design work is sponsored by the Atomic Energy Commission.

### PEOPLE

**H. H. Tucker**, former president of the Coke Oven Ammonia Research Bureau, has joined Standard Oil (Ohio) as director of agricultural service in the company's newly organized petrochemical department. Also joining the department, as sales manager, is **Henry J. Coleman**, who has held various positions



H. H. Tucker



H. J. Coleman

with Sohio since 1946. Headquarters of the department are at Lima, Ohio, where Sohio is building a \$17 million ammonia, urea, and nitric acid plant.

**Joseph J. Burbage**, former director of the Mound Laboratory, has been appointed assistant director of the research department of Monsanto's inorganic chemicals division. On March 1, he will assume administrative responsibility of the division's research activities, making his headquarters at Everett, Mass.

**Roland S. Shumard** has been appointed director of development and technical service for Huron Million Co. He was formerly manager of fine chemicals development for Monsanto.

**Sidney Mittler**, Armour Research Foundation, has been presented an award of scientific merit by the foundation's chemistry and chemical engineering department for his work in studying trace elements in nutrition.

**Harold Ferguson**, former vice president of Naco Fertilizer, has been appointed senior assistant to R. E. Neidig, vice president in charge of the fertilizer and chemical department of Balfour, Guthrie & Co., Ltd.

**Mark C. Craft** of Midwest Fertilizer Co., Springfield, Ill., was elected president of the Agricultural Ammonia Institute at the recent meeting in New

Orleans. In the Dec. 22 issue, *AG AND FOOD* incorrectly named **Ralph H. Wooten** of Mid-South Chemical Co. as president.

**Michael Kubovciak** and **Wendell F. Phillips** have been promoted to head of the bacteriology laboratory and head of the food chemistry laboratory, respectively, for Beech-Nut Packing Co.'s food laboratory at Canajoharie, N. Y.



**L. A. Underkoffler** assumed the position of director of research for Takamine Laboratory, Inc., Clifton, N. J., on Jan. 1. He was formerly professor of chemistry at Iowa State College and is a

member of the *AG AND FOOD* Advisory Board.

**Sanford R. Bell** has been promoted to the position of plant engineer at International Minerals & Chemical Corp.'s Bonnie chemical plant. Mr. Bell, who joined IM&C last April as project engineer, replaces **Robert V. Safford**, who was recently moved up to assistant manager in charge of engineering at the Bonnie plant.

**E. F. Kohman**, research consultant with Campbell Soup, has resigned. His address is Kings Highway East, Merchantville 9, N. J.

**Val E. Weyl** has resigned from the staff of the National Agricultural Chemicals Association. For the past four years, he has been performing duties in public relations for NAC and has been editor of its publication, *NAC News and Pesticide Review*. His headquarters are 6611 Willston Place, Falls Church, Va.

**George H. Serviss**, agronomist for GLF Soil Building Service, Ithaca, N. Y., has been elected chairman of the Division of Fertilizer and Soil Chemistry of the AMERICAN CHEMICAL SOCIETY for 1955. **G. L. Bridger**, head of the department of chemical engineering at Iowa State, is vice chairman, and **Stacie B. Randall**, New Jersey state chemist, is secretary-treasurer.

**George C. Patton** has left Quaker Maid Co. to become section head in product and process development for General Foods Laboratories in Hoboken, N. J. **Eric Engel**, formerly with National Dairy Research Laboratories, has joined the staff as associate technologist in organic chemistry. Also joining the staff is **Barbara Hall**, formerly with Anheuser Busch.

**R. L. Bateman** has been appointed to the newly created position of director of product development for Carbide & Carbon. Succeeding him as manager of the fine chemicals division is **W. A. Woodcock**. **R. H. Wellman** has been