him. It will be mounted in the lobby of the center directly across from a plaque listing the winners of the Charles F. Spencer Award in Agricultural Chemistry.

Spencer's laboratories were formerly located at the Jayhawk Works near Pittsburg, Kans.

Monsanto Ships Ammonia By Barge from El Dorado

Monsanto Chemical's El Dorado plant achieved a "first" recently by shipping anhydrous ammonia by barge on the Ouachita River. Ammonia was transported by Wheeling Pipeline Co. in high-pressure tank trucks from the El Dorado chemical plant to the company's dock at Champagnolle. A total of about 60 truck loads was required for the shipment. The barge, which is leased by Monsanto, has capacity for 840 tons of ammonia in its six high-pressure tanks. Loading was accomplished in about 42 hours.

The shipment was consigned to The Chemstrand Corp. at Pensacola, Fla. Entering the Mississippi River above Baton Rouge, the barge traveled along the Intercoastal Waterway from New Orleans to Pensacola.

Barge shipment of ammonia from the El Dorado plant is to continue although no exact schedule has been established.

Stauffer Files Patent Infringement Suit

Stauffer Chemical has filed suit against Chemical Insecticide Corp., for alleged infringement of Stauffer's Vapam soil fumigant patent.

The complaint was filed in the Federal District Court for New Jersey, and asks for an injunction against further manufacture and sale of Chemical Insecticide's "Chem-Vape" soil fumigant, as well as treble damages for willful infringement.

Stauffer's patent, U. S. No. 2,766,554, covers the use of sodium methyl dithiocarbamate for soil fumigation purposes.

Independent Pest Control Operators Organize (SanCoa)

A group of 18 independent pest control operators has formed Sanitary Consultant Associates (SanCoa) to promote the theme that "sanitation and pest control go hand in hand." Founders of SanCoa believe their organization can service a number of units of hotel and restaurant chains in the fields of pest control and sanitation. They anticipate that they will be able to contract with such industries at top levels rather than with individual managers as is now the custom.

SanCoa is not a trade association, since a prerequisite is membership in the National Pest Control Association. Training programs are to be inaugurated.

SanCoa Associates are: G. L. Hockenyos, Sentinel Insect Control Laboratory, Springfield, Ill.; E. J. O'Donnell, I&R Exterminating Service, Quincy, Ill.; C. W. Ferguson, Sentinel Pest Control, Decatur, Ill.; Norman Dodd and S. A. Nielsen, Rose Exterminator Co., Chicago; W. K. Delaplane, Jr., Illinois Pest Control & Service, Champaign; C. O. Partlow, Reliable Exterminating Co., Lafayette, Ind.; R. O. Williams, Aord-Vark Pest Control, Evansville, Ind.; K. H. Draper, Draper Exterminating Co., Indianapolis; Harvey Sturgeon, Sturgeon Pest Control Co., Louisville; Harlan Schuyler, Termite Exterminating Co., Kansas City; R. E. Schendel, Schendel Pest Control, Topeka; H. B. Ives, Rose Exterminator Co., Detroit, Mich.; I. B. Carncross, Syracuse Chemical Co., Syracuse, N. Y.; H. K. Steckel, Tornado Mfg. Co., Columbus, Ohio; B. J. Berger, Abel Pest Control Co., Springfield, Ohio; R. C. Yaeger, Rose Exterminator Co., Cincinnati, Ohio; J. J. Mooney, Columbus Pest Control, Columbus, Ohio; and H. H. Klein, Klein Exterminating Co., Milwaukee, Wis.

Dr. Steckel is chairman of the board. Also on the board are: Messrs. Hockenyos, Berger, Yaeger, and Mooney. Executive secretary is Eugene L. Davidson, Reisch Bldg., Springfield, Ill.

Rohm & Haas Gets Injunction in Dithane Patent Infringement

A Federal District Court in West Virginia has enjoined Roberts Chemicals, Inc., from continued infringement of the patent under which Rohm & Haas sells its Dithane brand fungicide. The order enjoins Roberts from making, using, or selling any fungicide composition having as an active ingredient nabam, zineb, or any other salt of an alkylene bisdithiocarbamic acid.

USDA Approves ET-57 for Control of Cattle Grubs

Dow Chemical's ET-57, a systemic insecticide for control of cattle grubs, has been given approval by USDA for limited use in certain areas of several midwestern states. FDA concurred in the action.

Chemically, ET-57 is *O,O*-dimethyl-*O*-2,4,5-trichlorophenyl phosphorothiate. It is to be available in certain areas of Iowa, Nebraska, South Dakota, and Wyoming under the trade names of several companies, although it is manufactured by Dow.

Short supply of the chemical is the reason for its limited availability. Concentrating the short supplies into certain regions will make it possible to study the chemical's impact on those regions, it is hoped.

Cattle grubs, the larvae of heel flies, cause annual losses often exceeding $100 million in damaged meat and perforated hides. ET-57, administered as a pill or as a liquid, circulates with the body fluids of treated animals and destroys the grubs that have burrowed into the flesh. It has shown 85 to 100% control. Residues of the insecticide are not detectable in the flesh of treated animals after 60 days.

USDA has advised cattlemen not to slaughter animals until 60 days after treatment and not to treat lactating cows in order to avoid residues in milk. It says treatments, in all except the southern states, should be made from September through December.

TVA Produced 266,000 Tons Of Fertilizer in Fiscal '57

TVA reports it produced 266,000 tons of fertilizer in the 1957 fiscal year —a little more than 1% of the fertilizer consumed in the U. S. during 1955–56. TVA-produced fertilizer was used by some 3000 test-demonstration farmers for experimental application, or was sold to farmer cooperatives and fertilizer dealers for use in educational programs. The fertilizers TVA produced were sold with the stipulation that they be used in ways that will conserve and keep soils productive, and were made available to farmers only in areas where use of the materials is agriculturally and economically feasible, and where agricultural colleges have helped define a program for their use, TVA said.

TVA said it spent a net of $2,642,656 on fertilizer and munitions development work in 1957, compared with $1,127,746 during the 1956 fiscal year.

EDUCATION

Plant Pathology, Entomology In One Department at U. of Mass.

A new department of entomology and plant pathology is to be established at the University of Massachusetts college of agriculture. The new department is expected to bring similar functions together with a goal of improved operations, programs, and

services. Involved in the reorganization, which is expected to take place around the first of the year, are the present department of entomology, the shade tree laboratory, the seed laboratory, arboriculture, plant pathology, and all members of the experiment station and extension staffs having primary responsibility as plant pathologists or botanists. A head for the department has not yet been selected, but detailed plans call for various sections with a leader.

ASSOCIATIONS

Weed Society Sets Dates To Stress Basic Research

Fundamental research in weed control is to be the theme of the second meeting of the Weed Society of America. The meeting will take place Jan. 13 through 15, 1958, at the Hotel Peabody in Memphis, Tenn. The Southern Weed Conference, host to the Weed Society, will meet on Jan. 16 at the same place.

MWSIC Merges with NPFI; Beers to Be Midwest Director

A plan under which the activities of the Middle West Soil Improvement Committee of Chicago will be merged into the program of the National Plant Food Institute was approved by the Institute's Board of Directors, meeting at Atlanta, Ga., on Nov. 1.

John A. Miller, president of NPFI, said that the Middle West Soil Improvement Committee, of which Zenas H. Beers is executive secretary, will serve as the Midwest regional office of NPFI with headquarters in Chicago, effective Jan. 1, 1958.

Members of the Middle West Soil Improvement Committee voted in favor of the plan at a meeting in Chicago on Oct. 31.

The Midwest regional office will be one of four regional offices established under the NPFI's expanded program in the field of research and education. The Midwest regional office will cover Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

"It is the intention of the Institute to carry on the good work previously conducted by the Middle West Soil Improvement Committee and, in addition, the Institute expects to expand the Midwestern program through greater financial support," Mr. Miller said. "Among the many activities that will be conducted will be the annual meeting with Midwestern agronomists," he promised.

Award Founded for Scientific Aids to Vegetable Growing

An award has been founded to stimulate major scientific contributions to the growing of vegetable crops for processing. Campbell Soup Co. is donor of the award, which will be administered by the American Association for the Advancement of Science. It is to be given for the first time this year and annually thereafter. The recipient of the award will receive $1500 in cash and a bronze medal.

Eligible studies must be related to the production of vegetables, including mushrooms, and be in the fields of horticulture, genetics, soil science, plant physiology, entomology, plant pathology, or other similar scientific areas. The research work must pertain to production of raw vegetables for processing purposes rather than to the processing of these crops. Scientific contributions will be considered, provided they have been published, or accepted for publication, in a recognized scientific journal not more than two years prior to the granting of the award. Candidates must be residents of the U. S. or Canada.

Nominations for the award are to be made directly to a member of the award committee. Members are: Louis P. Reitz, chairman, G. J. Haeussler, Sterling B. Hendricks, Iver J. Johnson, F. C. Stark, Jr., G. Ledyard Stebbins, Jr., and E. E. Wilson.

NPFI Sponsors Study of Method to Predict Fertilizer Use

A research project to develop methods for estimating regional and national demand for plant food, one and two years in the future, has been established by the National Plant Food Institute and will be conducted by the North Carolina Agricultural Experiment Station under a grant from NPFI.

R. A. King will be project leader for the study, and Wilson Riggan will be his research assistant.

"The project has been prompted by the need of the fertilizer industry for some reliable basis for projecting demand to be used in planning production and sales programs," Dr. Russell Coleman, NPFI executive vice president, points out.

"There is reason to believe," Dr Coleman said, "that the factors influencing the demand for fertilizer today are much more complex than in the recent past. For instance, prior to World War II, fertilizer consumption tended to follow very closely the trend in farm income. In recent years, however, farm income as such seems to have had less influence although it undoubtedly is still a factor."

Dr. King hopes to be able to evaluate all of the various factors which influence trends in fertilizer consumption, and to develop a formula which will make possible at least short-term projections of demand. The study will consist of a thorough examination of previous work in this field, an exhaustive evaluation of available data, and an attempt to construct appropriate models on the basis of this information for estimating future fertilizer consumption trends.

Chemical, Biological Control Of Pests on AAAS Program

Control of plant and animal pests by chemicals and genes is to be reviewed and discussed at the annual meeting of the American Association for the Advancement of Science. The symposium on biological and chemical control of plant and animal pests will take place on Dec. 28 through 30 at the Washington Hotel in Indianapolis, Ind. It will be divided into four parts —recent advances in chemical control measures, recent advances in biological control measures, inherent resistance to pests, and problems related to and consequences of biological and chemical control measures. Over 20 nationally prominent scientists will appear on the program.

PEOPLE

NPFI Appoints Regional Directors for Expanded Program

Richard B. Bahme, R. L. Beacher, and **Samuel L. Tisdale** have been appointed to open regional offices for the National Plant Food Institute's expanded program of research and education. Dr. Bahme, formerly manager of technical development for Pacific Guano at Berkeley, Calif., will have headquarters in San Francisco. Dr. Beacher, former agronomy professor at the University of Arkansas, will direct the Southwestern regional program from his present headquarters at Fayetteville, Ark. Dr. Tisdale, formerly director, soil testing division, North Carolina Department of Agriculture, will direct the Southeastern regional program. His headquarters will be at Atlanta, Ga. The Midwest