

The relation of potassium to the formation of diastase in wheat seedlings: A. R. DAVIS and J. L. DOUGHTY.

The growth of plants under controlled environments.

I—Electric light as a source of illumination: A. R. DAVIS.

The significance of the temporary depletion of certain essential mineral constituents in the soil on plant growth:

W. F. GERICKE.

Fertility experiments in Oregon: W. L. POWERS.

The moisture equivalent as influenced by the amount of soil in this determination: F. J. VEIHMEYER, O. W. ISRAELSEN and J. P. CONRAD.

Capillary potential measurements for the Greenville soil: CHESTER A. CHAMBERS and WILLARD GARDNER.

Routine testing of alkali soils in the laboratory (demonstration): P. L. HIBBARD.

The soil profile as a basis for soil classification: C. F. SHAW.

Some chemical effects of sulphuric acid on alkali soils: C. D. SAMUELS.

The officers for the ensuing year are: D. R. Hoagland, University of California, Berkeley, *president*; H. P. Magnuson, University of Idaho, Moscow, *vice-president*; M. D. Thomas, Utah Experiment Station, Logan, *secretary-treasurer*.

THE WESTERN BRANCH OF THE AMERICAN SOCIETY OF AGRONOMY

THE Western Branch of the American Society of Agronomy held its eighth annual meeting at the University of Wyoming at Laramie, Wyoming, on July 21, 22 and 23. About fifty agronomists were present, coming from twelve states and the U. S. Department of Agriculture.

The program was as follows:

"Address of Welcome." A. G. Crane, president of the University of Wyoming.

"Response." F. J. Sievers, president of the Western Branch of the Washington Experiment Station.

"Roll-call." Each man gave his name, position and a brief statement of his work.

Crop standardization and registration of seeds: A. G. OGAARD, extension agronomist, Montana State College.

Ladino clover seed production and its value as a pasture crop: R. L. SPANGLER, assistant agronomist, University of Idaho.

Some extension methods of field crops work: WALDO KIDDER, extension agronomist, Colorado Agricultural College.

Investigation of livestock losses on sweet clover pasture: CLYDE MCKEE, agronomist, Montana State College.

Problems in agronomy as they are related to the production of range and dairy livestock: O. S. FISHER, extension agronomist, U. S. Department of Agriculture.

The plan for the development of a regional program of extension work in farm crops: E. MERRITT, field agent, Extension Service, U. S. Department of Agriculture.

A comparative study of hardness of wheats: JOHN H. MARTIN, agronomist, Western Wheat Investigations, U. S. Department of Agriculture.

Drill calibration and its relation to stand and yield of small grain: H. W. HULBERT, agronomist, University of Idaho.

Critical periods for irrigation of wheats: D. W. Robertson, assistant agronomist, Colorado Agricultural College.

The prevention of insect attack on stored grain by carbonate dust: W. W. MACKIE, assistant agronomist, University of California.

Predicting wheat yields: O. R. MATHEWS, assistant in dry land agriculture, U. S. Department of Agriculture, Newell, South Dakota.

Natural crossing of oats: F. A. COFFMAN, agronomist, Cereal Investigations, U. S. Department of Agriculture.

Relation of temperature and rainfall to date and rate of seeding: A. F. SWANSON, Hayes Experiment Station, Kansas.

Improving the quality of American-grown durum wheats: J. A. CLARK, agronomist, Western Wheat Investigation, U. S. Department of Agriculture.

The nitrogen problem from the Kansas point of view: P. L. GAINES, soil bacteriologist, Kansas State Agricultural College.

The soil nitrate problem in Colorado: ALVIN KEZER, agronomist, Colorado Agricultural College.

The deleterious effect of sorghum in the soil on succeeding crops: R. S. HAWKINS, agronomist, University of Arizona.

The tillering of grain as related to the yield and rainfall: RALPH W. SMITH, assistant agronomist, Dickinson Substation, North Dakota.

Range losses on poisonous plants and their control: O. A. BEATH, chemist, University of Wyoming.

Outstanding weaknesses in agronomic investigational work: F. J. SIEVERS, agronomist, Washington State College.

At the business meeting Wednesday morning it was decided to hold the next meeting at Fort Collins, Colorado, either just before or just after the meeting of the Western Branch of the American Association for the Advancement of Science, at Boulder. Clyde McKee, of Montana, was elected president for the ensuing year and D. W. Pittman, of Utah, secretary, Alvin Kezer, of Colorado, being automatically the other member of the executive committee.

There was an inspection of the Wyoming State Experiment Station farm and its work on July 22, and on Wednesday afternoon the visitors were taken in cars on a trip to the Medicine Bow Mountains, after which a trout supper was enjoyed at Centennial. After the supper, remarks were made by Dr. H. L. Westover, Professor F. J. Sievers and President A. G. Crane.