

hookworm, malaria. Climate in its relation to human efficiency.

G. *Physics*: Isostasy, arc of meridian in Australia, longitude by wireless, weather cycles and weather forecasting.

INTERNATIONAL CONFERENCE OF PHYTOPATHOLOGY AND ECONOMIC ENTOMOLOGY

ANNOUNCEMENTS have recently been received in this country inviting plant pathologists and entomologists to attend an International Conference of Phytopathology and Economic Entomology in Holland during June, 1923. Arrangements for this conference are in charge of a committee composed of Professor Dr. H. M. Quanjer, Professor Dr. Johanna Westerdijk, N. van Poeteren, T. A. C. Schoevers, J. Hudig, Dr. E. van Slogteren, G. Kruseman, J. C. Dorst, J. G. Hazeloop, E. H. Krelage and J. H. van Straaten van Nes.

The committee invites those who wish to read papers or bring up for discussion urgent questions on plant diseases or insect pests. The titles and short abstracts of the papers or questions for discussion should be sent in advance to the secretary, Mr. T. A. C. Schoevers, Villapark 8, Wageningen. The official language of the conference will be English, but papers can be read and discussion held in either English, French or German.

The conference will be held from June 25 to June 30, 1923, and participants are invited to arrive at Wageningen on Sunday, June 24. The following program has been arranged:

Monday, June 25: Presidential address of welcome and lecture on plant diseases as seen from the standpoint of general pathology. Demonstration of experiments, especially on potato diseases. In the afternoon and evening addresses, papers and discussions.

Tuesday, June 26: Address by Mr. van Poeteren on organization and methods of the Dutch Phytopathological Service. Discussion on international laws and requirements. In the afternoon demonstrations of some methods of control of pests and diseases as practiced in Holland, *e. g.*, the furrowing-wheel to destroy leather-jackets, control of American gooseberry mildew, of smut and stripe in grain crops, etc. Evening meeting: Addresses, papers and discussions.

Wednesday, June 27, and Thursday, June 28: Trips through the country. To prevent congestion of the program, participants are requested

to subdivide into those interested in agriculture and those interested in horticulture. On Wednesday morning the first group will travel by rail to Friesland, where farms and selection-fields of potatoes are to be visited; next day Groningen Agricultural Experiment Station, address of Mr. Hudig on diseases of crops on alkaline and sour soils, and visit to Mr. Hudig's experiments. Visit to the Experimental Farm of the Groningen Seed Growers' Association.

The second group will visit first the nurseries of Boskoop and Aalsmeer, situated in a typical Dutch country region below sea level; thereafter visit to the bulb-growing districts near Haarlem. Dr. v. Slogteren will address the company and give a demonstration on modern methods of combatting some bulb diseases, *e. g.*, eelworm. This trip will end with a visit to the early potato districts of North Holland, where selection is practiced.

It would be possible to form a third group for visiting other centers of culture, such as the Westland, the most important district growing vegetables and fruit under glass; afterwards the orchards in North Holland and the early potato fields in the same district might be visited.

Friday, June 29: Meeting of Baarn; address of Professor Westerdijk on the cultivation of parasitic fungi and demonstration of research work. Afternoon devoted to discussions and inspection of the international collection of fungicures. This meeting will be continued during the evening for addresses, papers and discussions, and to Saturday morning, if desired.

Saturday, June 30: In the afternoon of that day the conference will leave for the Hague, for an informal meeting at the office of the minister of agriculture. Thereafter the committee will entertain all participants at dinner in the bathing resort Scheveningen.

All scientific men planning to attend the conference should notify Secretary Schoevers in order that proper arrangements may be made for transportation and entertainment.

APPALACHIAN FIELD TRIP

MEMBERS of the Department of Geology in the Mississippi Agricultural and Mechanical College in the late summer of 1922 completed an Appalachian field trip in two automobile trucks, touring parts of eight states and covering more than 2,000 miles in direct travel.

From the college to Tuscaloosa, the whole of the Cretaceous was crossed. At various places from Birmingham, through Anniston, Gadsden,