

his body to develop resistance to the pollen proteins very much as vaccines or serums provoke resistance to specific disease germs.

There are several well-known manufacturing laboratories that produce these extracts for the use of physicians. They maintain not only the regular working staff members for the manufacture of the extracts, but also support research specialists in immunology and botany, who are constantly at work to increase knowledge of the plants that produce the pollens and human reactions to their poisonous effects. In a relatively short period, as the development of medicine goes, they have contributed much to make life easier for the hapless victims of hayfever.

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Science News Letter, August 7, 1937

SEISMOLOGY

Earthquake Is Located In Gulf of Mexico

A SEVERE earthquake was centered in the Gulf of Mexico about 30 miles northeast of Vera Cruz on Sunday, July 25. Reports to Science Service from leading seismological observatories allowed U. S. Coast and Geodetic Survey experts to determine the quake's location.

Reports were received from Georgetown University, Weston College, Dominion Meteorological Observatory at Victoria, B. C., University of California, Fordham University, Seismological Observatory at Pasadena, Coast and Geodetic Survey at Ukiah, Calif., and Tucson, Ariz., Dominion Observatory at Ottawa. (Epicenter at 19.5 N 96 W. Time: 10:47.2 p. m. EST, Sunday, July 25.)

Science News Letter, August 7, 1937

For success in transplanting ornamental trees, a scientist recommends that as much soil as practicable should be taken undisturbed with the roots.

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SEASICKNESS



HUNTING ICE AGE MAN

With scientific precision WPA workers hunt hopefully for Ice Age man on Abbott Farm, New Jersey. Thousands of later Indian relics have come to light, as shown in foreground, where an earth block has been isolated because it contains a clay jar. Workers record depth of the jar in earth and will dig it out with trowels and fine implements. See page 86 for story.

MEDICINE

Earhart Plane Loss Stays Collection of Micro-Organisms

AMONG the scientific experiments under way on the world-girdling flight of Amelia Earhart and Capt. Fred Noonan was one involving the collection of micro-organisms from the air, as has been revealed by Fred C. Meier, chairman of the National Research Council's Committee on Aerial Dissemination of Pathogens and Allergens. The objective of this committee is the charting and recording of the manner in which harmful organisms and material which produce allergy are transmitted. The equipment carried on the Earhart plane was of the type developed by Col. Charles A. Lindbergh and used by him in 1933 on the North Atlantic and Greenland flight with Mrs. Lindbergh.

"Miss Earhart, in this phase of her research program, was utilizing the airplane to advance knowledge in a field opened by Louis Pasteur in classical experiments which he reported in 1860 and which were followed up by medical men and botanists of many countries during the 19th and 20th centuries," said

Mr. Meier. "Results of such studies of the upper air bring to light fundamental principles of the spread of microscopic organisms by winds. Better knowledge of these principles leads to many practical applications, perhaps the most important of which are improved measures for control of diseases of plants and animals," he continued.

Since the Lindbergh flight of 1933, the "sky hook" has been standard equipment for these investigations. It was carried on the 1934 Alaskan expedition of the Army bombers, and by Mr. Meier on flights over practically all sections of the United States. With the aid of Pan American Airways, the instrument was used to bring together valuable information concerning content of the air over the Caribbean Sea. Major Albert W. Stevens carried specially designed equipment for making similar collections on his record breaking flight in the National Geographic-Army Air Corps stratosphere balloon, Explorer II.

From Java, in a telephone conversa-