

QUAKE PROBABILITY LESS IN EAST U. S.

OLDER GEOGRAPHICALLY

Scientist in Talk Explains How Earth Tremors Are Caused as Far as Known; Hard to Predict

The so-called Great Lakes region and the district east of it extending to the Atlantic ocean are far older geologically speaking than the western part of the United States and there is less chance of severe earthquakes visiting them, according to Prof. U. S. Grant, head of the geological department of Northwestern university. Prof. Grant states that the quake of Saturday night Feb. 28, is interesting but not especially significant. He does not agree with an Italian authority that it presages severe shocks in the Japanese region or in other parts of the world where either because of volcanic structure or of well-known earth fissures, such as exist along the Pacific slope, quakes may occur at any time.

Difficult to Predict
 "There is hardly any satisfactory scientific way of predicting earthquakes save by studying the statistics of quakes in a given region over a long period of years and reaching an arithmetical average, of course, this would be somewhat hazardous from the standpoint of prognostication," said Dr. Grant. "In the Mississippi valley district there have been few serious quakes in the last century. That at New Madrid, Missouri, the winter of 1811-12 was severe and constituted a series of shakes occurring at intervals throughout the winter. Part of the town of New Madrid was shaken into the Mississippi river. The next severe shake was in the neighborhood of Charleston, So. Carolina, August 31, 1886, which was felt as far away as Chicago, 800 miles. At Charleston many buildings were wrecked and there was some loss of life.

Minor Quakes
 "There have been minor quakes since then. Not so long ago while I was lecturing in my class-room at Northwestern I felt a slight quake and noticed that the pictures on the wall shook slightly. The quakes on the Pacific slope are apt to be more severe than here, as the earth formations there are not so old and settled as in the Mississippi valley. There, it is known, a fissure extends many miles almost north and south running through the Los Angeles and San Francisco region, the line of which passes directly through the present site of the University of California. This was the district which was so severely shaken April 18, 1906. There also was a bad shake in southern Alaska in 1899."

Varied Opinions
 "The existence of a fissure line in the earth means that there may be at any time a fault or movement of underlying rocks. Some scientists claim that the rocky formation in the far west is stretched and that the quakes recently have been caused by these rocks returning to place instead of being pushed away from place. Others believe that the pressure on a certain subterranean area becomes so great that rocks begin to slip and with their slipping there is a related extensive movement corresponding to the wave or ripple in water when a stone is dropped into it. But whether one or the other cause was behind Saturday's slight quake in the Great Lakes states, it would not appear to be of much importance. I for one am not worrying about early repetitions of the Saturday quake here or at other points on the continent."

PLAN DICTIONARY OF AMERICAN LANGUAGE

A comprehensive study of the English language in America, the result to be the first "Dictionary of American English," will be undertaken by the University of Chicago. The proposed undertaking will include a study of American dialects and their sources and the effects of immigration upon the language. The work will involve vast research by a large staff and will require at least 10 years for completion.

NATURE EXHIBIT AT DAVIS STORE CHICAGO

Annual Display Begins Monday, March 16. Mrs. Theron Colton is Chairman

There will be much of interest to students of nature and lovers of the great out of doors at the All Out O' Doors Annual Nature exhibit, which will open in the Davis store, State and Van Buren streets, Chicago, next Monday, March 16.

Every day during the exhibit, which will continue for one week, closing on Saturday, there will be lectures by well known authorities on nature subjects, illustrated by stereopticon views. There will be collections of wild flowers, birds, butterflies, fish, shells, stones, etc., and the setting for their display by the various societies participating in the exhibit will be a representation of a dense forest of huge trees.

The purpose of the exhibit is to interest the public in nature study and conservation. Mrs. Theron Colton is general chairman of the committee arranging it. Among the organizations sponsoring it are the Illinois Wild Flower Preservation society, the Prairie club, the Kenilworth Garden club, the Isaac Walton league, the Aquarium society, Boy and Girl Scouts, Garden clubs of America and the Outdoor Art league.

Mrs. Paul Wright, of Highland Park, is one of the active workers for its success.

LAKE BLUFF THEFT WARRANTS ISSUED

Two North Chicago Men are Charged With Burglarizing Homes in That Place

The theft of a high priced radio set from the home of William J. Vanderkloot, former mayor of Lake Bluff, proved a clue which led to the issuance of warrants for two North Chicago men.

The home of Mr. Vanderkloot, together with those of Mrs. L. H. Noel and Mrs. Wm. McComb, were burglarized during the past few weeks while the occupants were spending the winter out of the village. At the home of Mrs. Noel several expensive rugs were taken.

NURSERY SCHOOL PART OF SYSTEM

Experiment is Success at Highland Park, Mich.; Children Cared For

A nursery school is operated in connection with the public-school system of Highland Park, Mich. It accommodates 15 children from 2½ to 4½ years old. A full-time housekeeper is employed, a school nurse makes daily visits, and the work is under the supervision of a trained household arts instructor. Upper-grade high school girls in relays assist in the care of the children, and 120 each week will receive the benefits of the nursery as a laboratory.

Food for the children is prepared in the school kitchen. Copies of the menus, with special food suggestions, are sent to the mothers. A normal life is led in the nursery, the children being allowed to work, play, or sleep as they desire, and in a surprisingly short time they become self-reliant and thoughtful of others. While the nursery is of real value to the children and the mothers, its main purpose is to give practical training in child care to high school girls of the upper grades.

SCHROEDER ACTIVE IN FLORIDA CITY

Speaks at Meeting of Heads of State Societies, of Which He is Member

In the Miami, Fla., Herald of Mar. 5, an extensive account of a meeting of presidents of various state societies, held there, mentions Paul Schroeder, president of the Illinois society, who was one of the speakers. He appears also in a group picture of these presidents in the same paper, which, in another place, states that Mr. Schroeder has arranged for another party of Illinoisans to make a trip to Nassau, Bahama Islands. On March 4, a party of Illinois people left Miami on a trip to Key West and Cuba.

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MODE HOUSES TO BE SHOW FEATURE

OWN HOME EXHIBITION

Annual Affairs in Several of Cities of U. S. to Display Ideal Homes Under Way, Report

In an effort to raise the standard of American homes built in the future and cut down some of the enormous annual waste in home building, by teaching the public good construction practices and the proper uses of certain materials and equipment, houses in the process of construction will be featured at the National "Own Your Home" Expositions to be held this spring in Chicago, New York City, Philadelphia and Buffalo.

My Ideal House
 "Come and see How a House Should Be Built" will be broadcast by more than twenty divisions of the building industry represented at the expositions according to C. Herrick Hammond, First Vice President of the Illinois Chapter of the American Institute of Architects, and visitors will be shown how a foundation should be laid, walls built, and plumbing installed. Partly constructed walls, cross section displays, exposed plumbing fixture connections, various types of insulating material exposed in side walls and other educational exhibits will provide visitors with a comprehensive picture of correct construction practices, educate them in the uses of standard and new approved materials and equipment, convince them that the properly built house will have considerably less upkeep than the one that is poorly built, and finally teach them to look for places where unscrupulous contractors would be likely to substitute inferior and short lived materials for those that can give good normal service.

Causes of Depreciation
 A house that is generally well built but has only poor plumbing connections or perhaps poor floor construction or a poor heating plant is to be considered a poor house according to the Expositions, even though all the other items in the house are good. If the house is well planned and soundly built the repairs for the first ten years will be practically negligible and limited to the replacement of minor parts. The depreciation will also be very small. "The average man says 'Depreciation is a bookkeepers' item and I don't have to make any provision for it. It is not something in dollars and cents that I have to pay out every year.' If, because of a change in his work, sickness or death in his family, change in the character neighborhood or a dozen other reasons, he has to move and wishes to sell his house, he will find that this item of depreciation is very decidedly a dollars and cents matter; that a house that is run down at the heels with a leaking roof, bath tub and wash basins stained with rust from the iron plumbing, cracked ceilings, sagged floors, creaky stairs, etc., will not bring him within \$500 to \$1,000 of what he hopes to get out of the house."

The Chicago Fifth Annual "Own Your Home" exposition will be held in the Coliseum March 21st to 28th under the auspices of The Chicago Real Estate Board.

SCHOOL AND CHURCH ARE CO-OPERATING

Religious instruction given under stated conditions to the children of Anna, Ill., is considered a part of their public school work, and is regularly included in the monthly reports made by teachers to parents, according to C. W. Conrad, superintendent in School Life, a publication of the Interior Department, Bureau of Education.

Public schools are dismissed every Wednesday at 2:45 and the children go under supervision to the churches chosen by their parents. They are instructed for 45 minutes by religious workers. All churches of the city are co-operating, Protestant, Catholic, and international Bible students.

While each church has at present its own course of study, the board of education and superintendent wish to prepare a course in religion which can be given with substantial uniformity in all the schools.

HIGHEST TELEPHONE SYSTEM IN BOLIVIA

What is said to be the highest telephone system in the world is located at Corata, Bolivia, in South America. This installation is for the use of a mining company and connects the various parts of the mines and the town of Jani. The total length of line is just over ten miles, and the whole of the installation stands at no less a height than 15,500 feet, or nearly three miles above sea level.

OPEN AIR SCHOOLS

Benefits of the four open-air schools for the physically defective, operated by the London City Council, have been extended to an increasing number of children, and some experiments are in progress to determine how far sunlight treatment can be utilized beneficially.



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