

—Dietz on Science—  
**MOON DISTORTS EARTH'S SHAPE, SAVANT CLAIMS**

Bulge Recorded on Surface as Lunar Body Crosses Sky.

BY DAVID DIETZ  
 Scripps-Howard Science Editor

WASHINGTON, May 4.—Astronomical observations from both Japan and Russia support his theory that the moon distorts the shape of the earth as it travels across the sky, Dr. Harlan T. Stetson, well-known astronomer, told the American Geophysical Union in a recent session here.

According to Dr. Stetson, the moon not only raises tides upon the oceans, but also distorts the whole earth, rising a great bulge in its surface. This bulge is not stationary, but travels around the earth so as to be always under the moon.

The great elasticity of the earth's rocks is difficult to explain on the basis of present-day theories of the earth's structure and indicates the need for many new investigations.

**Basis of Time Signals**

Time signals are based on observation of the stars, and these, in turn, depend upon the longitude of the observer. By assuming that the moon distorted the earth's surface so as to change the longitudes of Washington and Greenwich, the variations could be explained.

This led to the astounding conclusion that at times Washington and Greenwich were closer together by sixty feet than at others.

Dr. Sexton also said further comparisons of the radio time signals from Bordeaux, France, with Washington, and of Bordeaux with Greenwich signals with the Washington ones.

**Ocean Drifts Studied**

New methods for determining the drift of oceanic waters from a study of their temperatures was reported to the union today by Dr. T. W. Vaughan, director of the Scripps Institute for Oceanography.

For several years scientists at the Scripps Institute in La Jolla, Calif., have been working on the correlation of oceanic conditions with weather conditions, in the hope that it might lead to a method of long-range weather forecasting.

Dr. Vaughan points out that there is an interaction between ocean currents and atmospheric currents. Both in the final analysis are due primarily to the sun's radiation and the rotation of the earth.

"We believe that the effects of solar radiation on the ocean currents might turn out to be an index of what is to follow in the atmosphere," Dr. Vaughan told the writer.

At a night session, the scientists, who had assembled in Washington from all parts of the United States for the various scientific meetings of the past week, heard a symphony concert from Philadelphia.

The Philadelphia Symphony orchestra played in Philadelphia, their music coming over telephone wires to Constitution hall in Washington.

Dr. Leopold Stokowski, conductor of the orchestra, was in Washington in control of the "mixing panel" which connected the wires from Philadelphia with the loud-speakers in Constitution hall.

As a result, the audience heard the music just as Dr. Stokowski wished it to sound.

**BIRD'S FLIGHT TRACED**

Banded Warbler Flies 10,000 Miles From Kansas to Africa.

By United Press  
 KINGMAN, Kan., May 4.—Last year Charles Ruff, high school teacher, banded a warbler and let it loose. The bird recently was found in South Africa, nearly 10,000 miles from its release.

**Gone, but Not Forgotten**

Automobiles reported to police as stolen belong to:  
 John Edwards, 2307 Greenbriar lane, Ford road, from that address.  
 Fred Hurd, 127 West 11th street, Chevrolet sedan, 24-284, from 1800 Shely street.

B. Smith Auto Company, 697 West Washington street, Ford coach, M-1632, front car of Ned Belmont, avenue, Indiana Avenue, Concourse, 112 Columbus Pennsylvania street, DeSoto sedan, 20-292, front car, in front of 19 North Meridian street.

A. Z. Grindle, 909 Guilford avenue, Crystal sedan, 17-340, from 3521 Guilford avenue.

**BACK HOME AGAIN**

Stolen automobiles recovered by police belong to:  
 Jack E. Klemetz, 625 East Twenty-fourth street, Ford sedan, found in front of Cornell avenue.

George Parry, 612 North Delaware street, Plymouth coupe, found in front of 353 West Sixteenth street.

Winton Auto Service, 21 West North street, Hinsdale, coupe, found in front of North West street.

John Mumford, 301 North Talbot street, Ford coupe, found in front of 1945 North Pennsylvania street, stripped of four tires.

**CONTRACT BRIDGE**

BY WM. E. MCKENNEY  
 Secretary American Bridge League

ONE of the biggest mistakes made by many players in the play of the hand is trying for a finesse that may lose. Very often it is the better play to assume that the finesse will lose, and play the hand accordingly.

A good example of this play is given in the following hand, which was played by Mr. E. M. Goddard of Deal, N. J., one young player of whom I predict we will hear a great deal in future tournaments.

♦K-Q  
 ♦A-K-4  
 ♦A-Q-7-5-4  
 ♦Q-5-4

▲10-4-3 NORTH EAST  
 ♦J-9-7- 7-2  
 5-3-2 ♦Q-10  
 ♦6-3 ♦K-10  
 ♦3-2 Dealer ♦K-10-  
 8-7

♦8-6-5  
 ♦8-6  
 ♦J-9-8-2  
 ♦A-J-9-6

South, the dealer, passed. West passed, and Mr. Goddard, in the North, made a third hand opening of one diamond. East over-called with one spade—negative double should possibly not have been bid since, although the hand has spades, it is a little short in hearts.

South bid two diamonds. Remember that this overcalling of one spade with two diamonds is a constructive bid.

Personally, I believe that South's hand is possibly a little too light to make a two diamond overcall. However, after South's bid, Mr. Goddard in the North jumped to five diamonds.

AST's opening lead was the ace of spades, followed by a small spade, which Mr. Goddard won with the king.

We now find that Mr. Goddard could finesse a club and try for the diamond finesse, but if he does that his contract will fail. Mr. Goddard decided to take it for granted that the diamond finesse would fail, and played the four of diamonds.

He then led a small club, finessing the jack. The eight of spades was returned and trumped by Mr. Goddard with the four of diamonds.

He now led the ace and king of hearts, and then the four of hearts. East discarded a spade, and Mr. Goddard trumped in the dummy with the eight of diamonds.

He then led the nine of diamonds, throwing East in the lead with the king, and East was helpless.

If he led a club, Mr. Goddard would let it ride to the queen, while if he led a spade it would be trumped in dummy and the losing club discarded.

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Three eyelet perforated open tie. White calf. Cuban heel. \$1.39



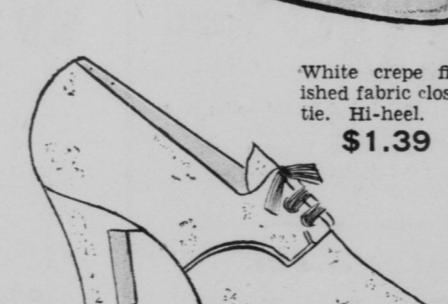
Black kid one-strap with Cuban heel. \$1.39



Black kid regent pump with high heel. \$1.39



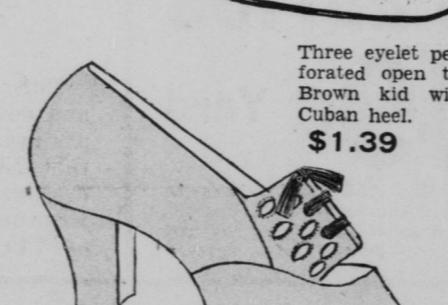
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