Weather Balloons Explore Heavens Over Middle-West
Result of Survey Are Expected to Yield Valuable Data in Making Forecasts

WEATHER PLANE ASSISTS
The study of weather conditions in the stratosphere being made by the Institute at Lamont Field, St. Louis, Missouri, was initiated last Tuesday when weather conditions were suitable for the taking of the first of forty balloons which are being sent up with instruments designed for studying existing atmospheric conditions. Plans for a series of high altitude flights over Missouri have also been made by the Director of the newly appointed pilot of the weather research airplane.

Dorothy Reese in Varied Air
The balloons, which are about four feet in diameter when inflated, were released at intervals of two hours from Lamont Field Airport. Each balloon carries specially designed instruments weighing only a few ounces each for automatically recording temperature, humidity and atmospheric pressure. The balloons, carrying many miles above the earth and finally expanding in the rarified air of the stratosphere, the instruments actuates a number of revolving, fluorescenting, and ablating frames whose broken fragments are continually dropped from the balloon.

Harlow Shapley Deliver Fourth Aldred Lecture
Harlow Shapley, director of the Harvard College Observatory, will discuss "Engineering Problems and Pracrices in the Construction of Galaxies" in the fourth Aldred lecture this afternoon in 10-300 at 3 o'clock. Mr. Shapley, who is internationally known as one of the greatest of modern astronomers, received his doctorate in Princeton in 1913, and for seven years served as a member of the staff at Mount Wilson Observatory. He has directed archeological research at Harvard since 1911. Last year he was appointed a member of the council of the National Academy of Science. For his achievements as scientist and educator, Mr. Shapley has been awarded a honorary doctorate of laws by the University of Missouri, and the Royal Society has awarded him the gold medal of the Royal Astronomical Society, and at the same time will deliver the annual Darwin lecture in England.

HOW LONG IS SPLIT SECOND? RESEARCH
Will Give Further Data on Accident Caused by Split Second
The next state in popularity of the United States Coast and Geodetic Survey, will talk on the subject of "How Long is Split Second." How long much time passes between the driver seeing a red light and applying the brakes. This calculation holds for an accident while driving 60 miles per hour would save 45 feet if he were actually applying the brakes. This calculation holds for an instant condition, but if the driver had the reaction time that he was fast enough to avoid any accident.

Apparatus Used to Find Time It Takes for Automobile Driver to Apply Brakes
Apparatus was designed by Harry G. Ruge, research assistant in the Department of Civil Engineering. The instrument, which is now being used in the study of the effects of earthquakes in buildings, requires the stresses in the models of buildings to be calculated. It presents an apparatus in the knowledge of earthquake-resistant members of construction for buildings, bridge and other structures.

COMMUTORS HOLD BOWLING MATCH
The officers were elected by Board of Directors, which will be held at the beginning Monday, February 28th. The fee will be $2.00 a couple.

A Record of Continuous News Service
Price Three Cents

700 ALUMNI THRONG TO GREAT ANNUAL DINNER

1. MacEnnedy to Play at Sophomore Hop In Walker March 2
2. Committee Changes Orchestra; William B. Jones Floor Show
3. Walker Decorated
4. MacEnnedy's Victory Recording Or- ders Called; Commuters Unable to play at the Sophomore Hop on Fri- day, March 2. The dance committee had previously tentatively decided upon Andy Jackoson's Orchestra, but has agreed to engage MacEnnedy instead. A floor show will be presented, as a special feature, an hour after the dance begins. The show will consist of an orchestral chorus, several spe- cial numbers, and a master of ceremo- nies, who will do double duty as a MC.

Dorm Men Drive Cars from Fourteen States
Some of the more handy dormitory residents have driven a distance of about 1,000 miles to take part in the "Old Yeller" Technicolor." A recent survey of the registra- tion list in the dormitories reveals that out of 600 cars in the parking space, roughly half of them have been driven from other states. It may be that these cars have come from more distant points and thus surrounded here.

The next state in popularity of New York, to which against the thirty-one of Massachusetts. Next in line is Pennsylvania with nine. Two states, New Jersey and District of Columbia, have three repre- sentatives, while Connecticut and Wisconsin have two each.

Earthquake Stress Recorder Designed
One-Ounce Device Saves Men in Building of Seismographic Calculations
A new device known as a stress recorder, which will save months of seismographic calculations has been designed by A. C. Ruge, research assistant in seismology in the Department of Civil Engineering. The instrument, which is now being used in the study of the effects of earthquakes in buildings, requires the stresses in the models of buildings to be calculated. It presents a new possibility in the knowledge of earthquake-resistant members of construction for buildings, bridge and other structures.

(Continued on Page 6)

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