

PILOTS BRAVING STRATOSPHERE PAWNS OF FATE

Destination of Balloonists
Merely a Guess: Hope to Land in Iowa.

(Copyright, 1934, by Science Service)
RAPID CITY, S. D., July 5.—When Captain A. W. Stevens and Major W. E. Kepner take off from here in their flight to the upper atmosphere, their landing place will be in the hands of aerial fates. One man's guess is as good as another's in picking their ultimate destination. They hope, however, if all goes in ideal fashion, to land at or near Keokuk, Ia., near the boundary corner of Iowa, Illinois and Missouri.

In order to aim for this landing site they will wait for winds which will carry them in a southeasterly direction from Rapid City.

A balloon can not be steered like an airplane; the direction in which it travels depends upon the winds, and no man can control either their direction or their velocity. Not that these matters are left entirely to chance. The pilot does have some choice in the matter, for he can wait to make his ascent until the air currents are in the direction toward which he prefers to travel.

Altitude Is Sole Aim

When balloons are taking part in a race and attempting to reach a particular destination in the shortest possible time, the pilot must leave at a prearranged time, but he watches the winds very carefully. Usually the direction and speed of the wind differs greatly at different altitudes, so that by selecting carefully the altitude at which he travels he can have some control over both direction and speed.

In case the winds for a time are unfavorable at all practical altitudes, he would select that layer having the lowest wind velocity, so that at least he would not be losing ground too fast.

In the stratosphere ascent, however, the problem is quite different from that faced by the racer. The time of ascent is not fixed. The destination and speed are unimportant. The only purpose is to go up as far as man can go.

Low Velocity Is Needed

All sorts of winds may be encountered before the "ceiling" is reached, and Captain Stevens and Major Kepner will have no desire to linger at any level, no matter how unfavorable the currents above may be. They will therefore delay their start, if necessary, until the wind currents all the way up are mainly of low velocity and generally in a favorable direction.

The stratospherists are keeping posted from hour to hour on the condition of the currents over this section of the country. The United States weather bureau has detailed V. E. Jakl, meteorologist in charge of the Weather Bureau Airport station at Kansas City, Mo., to Rapid City to receive and interpret weather reports for the balloonists. He will receive complete weather reports for the whole United States twice daily, at 8 a. m. and 8 p. m. At intervals all day long, he will receive reports on the weather from stations in the vicinity of Rapid City.

The weather bureau is making a constant check of air currents in the upper air over various stations scattered over the country. This is done by means of small pilot balloons which are released from the ground. They are followed visually with the aid of instruments, and the speed and direction of their travels gives the observers an accurate knowledge of the winds at various altitudes up to 22,000 feet.

Weather Bureau Helps

Among the stations making these observations are those at Omaha, Neb.; North Platte, Neb.; Kansas

LET'S GO FISHING

by
GEORGE
H. DENNY

I haven't seen it, but I guess it's true. All eastern Indiana is talking about it and my informant claims the weight and measurements are on record in a Richmond sporting goods store.

It's an eleven-pound fourteen-ounce large mouth bass taken from Green's Fork creek near Hagerstown a few days after the season opened. The bait was a soft craw and I haven't discovered the lucky man's name.

This catch raises a question in my mind. Is it or is it not the largest large mouth ever caught in the state? I can't remember a larger one, but my fishing years and memory are limited and I may be wrong.

Anyhow, let's fight about it. I say it's the biggest and it's up to you to prove I'm a liar. Some of you old-timers should be able to remember a monster or so caught back in the days when it wasn't safe to wade in White river because the fish were so large and hungry.

Two nice bass were registered in the Hoffman Sporting Goods Company contest this week.

C. J. Corbin's five-pound fourteen-ounce large-mouth leads this division. It was taken last Sunday in a gravel pit near Rushville on an Al Foss lure. Mr. Corbin lives in Sheridan.

A four-pound twelve-ounce small-mouth caught by Jack Shannon in

City, Mo.; Chicago, Moline, Ill., and St. Louis Mo.

Captain Stevens and Major Kepner are waiting, not alone for favorable winds, but also for the best possible weather. It is necessary to guard against the possibility of storms with strong vertical downward currents which might carry the balloon to destruction. Since the giant bag of the balloon is filled with hydrogen, lightning must also be avoided. The balloon must also wait until there is no rain to freeze on the gondola and thus add weight to the craft. It is this condensation of moisture on the surface of the gondola that probably brought death to the gallant Soviet fliers on the "Sirius."

The present flight will not be

made when the air at the lower altitudes is not clear. The moisture in the very high cirrus clouds near the stratosphere, those wispy "mare's tails" which are seen on clear days, is already frozen, however, into hard ice particles, and will bounce off the surface of the ship's sphere, leaving it free.

"I Suffered 10 Years With Itching Eczema"

... and after spending hundreds of dollars to clear it up, I tried Zemo and got relief," writes C. C. G. of Texas. Soothing and cooling, Zemo relieves itching in five seconds because of its rare ingredients not used in other remedies. Also wonderful for clearing Rash, Pimples, Ringworm and other irritations. Zemo is worth the price because you get relief. All druggists, 35c, 98c, \$1—Advertisement.

CONTROL BOARD ON WATCH FOR STOCK 'KILLING'

Commission Takes Up Duties as Watch Dog for Wall Street.

BY THOMAS L. STOKES
Times Special Writer

WASHINGTON, July 5.—The new securities and exchange commission constituted itself today a sort of watch-dog of Wall Street to prevent any manipulative operations during the last three months of grace before provisions of the act banning such practices become effective.

Any speculators who may have anticipated a final "killing" before Oct. 1, when pool operations and other trick devices become illegal, are doomed to disappointment, officials said today. The commission, though without actual power, will step in promptly and exert its potential influence.

No attempt to reap a final harvest of overnight profits have appeared on the horizon. The market has been comparatively calm since President Roosevelt signed the bill in expectation of the new regime of federal regulation.

But commission officials are de-

termined there shall be no pool activities such as featured the speculative flurry of last summer, a false boom which carried stocks upward and then dropped them with a thud that reacted against the recovery program.

Pecora Bares Practices

Ferdinand Pecora, now a member of the stock market commission, revealed those pool operations in February as investigator of the senate banking committee, when the market collapsed last summer after it brief dizzy rise.

Mr. Pecora called this false boom to the attention of Richard Whitney, president of the New York Stock Exchange, though he did not know until his experts had investigated what part the pool operations had played. At the same time he forecast the new regulatory agency in an interview suggesting a federal board to supervise the stock exchanges.

The commission this summer will keep a weather eye on the market just as Mr. Pecora did last summer.

Joseph P. Kennedy, chairman of the commission, already has sounded the death-knell of manipulation and stock market gambling. He is insistent upon enforcement of provisions which outlaw such practices.

Organization Work Starts

The commission today began its complicated task of organizing for its job. Commissioner James M. Landis, formerly on the federal trade commission, will carry the burden of this work. He now has before him about ten different plans

for dividing up the work of the commission, which not only will regulate the stock markets, but also issuance of securities.

This job will take some time. The commission first must set up its various divisions before it can begin to draft regulations covering various stock market activities which congress left to it. Drafting of these regulations will be assigned to the particular division in the first in-

stance, subject to final approval by the commission.

Personnel of the new commission is most important. The various subsidiary officials will be picked carefully, since they will have much responsibility.

The corridors of the federal trade commission, where the stock market commission has its headquarters temporarily, are busy with people looking for jobs with the new agency.

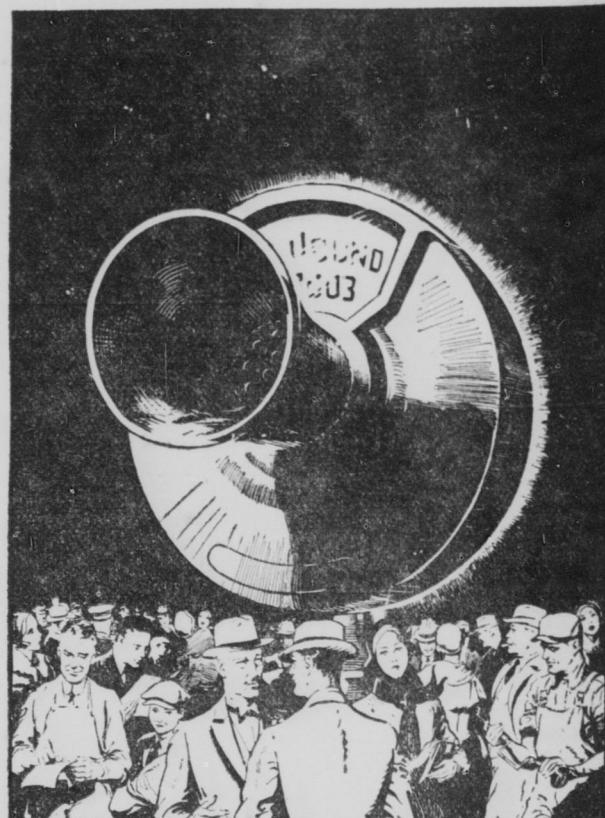
The trade commission and the stock market commission will be

housed permanently in the old interstate commerce commission building.

THE ITCH

Prevalent in Indianapolis
Go to Hook's or any good drug store and get a bottle of Gates Sanative Wash. Guaranteed to stop the embarrassment and discomfort of itch. 60c large bottle.—Advertisement.

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LAST YEAR Indiana Bell customers made use of the telephone 363 million times. ¶ In that huge total were emergency messages—hurried calls for the doctor, police, fire department. ¶ Business deals were closed. ¶ Voice visits paid to friends and loved ones. ¶ Errands run and social engagements made. ¶ The value of those 363 million calls was inestimable—their actual cost was small compared with the protection and convenience of the service. ¶ Can You Afford to be Without a Telephone?

INDIANA BELL TELEPHONE COMPANY

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