

SYNTHETIC AIR MAY AID DIVE FOR SEA GOLD

Kansas Chemistry Professor Will Help Recover Eight Million in Sunken Liner Egypt.



NEW YORK—(AP) The idea of a Kansas chemistry professor has crossed the Atlantic to help recover \$8,000,000 in gold in the sunken liner Egypt.

The professor, Dr. J. Willard Hershey of McPherson college, has been making synthetic air for his classes.

Now it is proposed to use one of his artificial atmospheres for divers off Cape Finis Terre, France, working 400 feet under the surface of the Atlantic, salvaging the rich cargo of the Peninsula and Oriental liner Egypt.

The beginnings of this story go back to a midwestern high school. There a few years ago Hershey, short in stature, quiet spoken, ready smiling but without funds, wished to interest his pupils in chemistry.

Diamonds too Small

So he tried making synthetic diamonds by the method proposed years ago by the Frenchman Moissan. Hershey obtained glittering bits, but of microscopic smallness. He went to McPherson college and continued his experiments.

He took the shining particles to a meeting of the American Chemical society and delivered a scientific report that they were real diamonds. His fellow chemists smiled, for even if diamonds, they were uselessly small.

Hershey, pursuing his teaching principles, turned to synthetic atmospheres. He substituted other gases in place of nitrogen, which constitutes about 80 percent of normal air and found helium and oxygen better for white mice than real air.

Foundations Results

Thus he reported to the American Association for the Advancement of Science at Des Moines last winter. There were not so many smiles this time. In fact home-bound scientists from Des Moines discussed getting money to assist Hershey.

Commander Sloan Danenhower, who will navigate Wilkes' submarine under the north pole next summer, heard of the synthetic air. He wrote Hershey inquiring about its use for divers, who get the "bends" from the nitrogen in ordinary air.

Hershey's reply was so favorable that Danenhower went to Paris with a proposal for the Egypt salvagers to take divers down in the American submarine Defender and send them into the wreck—breathing synthetic air.

BLUE FOXES NET COOS PAIR PROFIT

MARSHFIELD, Ore., Jan. 3.—(AP)—In 1924 Mr. and Mrs. E. N. Huntley, Coos county residents, secured two pair of Alaskan Blue fox from Alaska. Today the Huntley's have 73 pair.

Many of the animals are shipped to Europe, Huntley says, for breeding purposes, bringing about \$100 a pair upward. Of a recent shipment of 36 shipped to Europe, together with 15 pair sent to other markets, more than \$6000 was cleared, they report. The fur bearers do well along the coast of Oregon, the growers state, the fur being heavy due to the mild moisture in the air, along with a mild climate.

COQUILLE CHURCH GIVES HOT SOUP

COQUILLE, Ore., Jan. 3.—(AP)—The chamber of commerce at Coquille is acting as a registration depot for unemployed who are seeking work on state highways under the emergency plan adopted by the state highway commission. More than fifty have filed their application. The wages will be 24 a day.

The foursquare church here is adding in relief for the poor by establishing a soup kitchen, and is employing help daily to those out of work. Business concerns and farmers are donating to the church campaign and members of the organization are doing the work.

Pinkert Draws The Boys

NEW YORK (AP)—Erny Pinkert, Southern California's All-American halfback, is of Franco-German descent. He is an excellent cartoonist but is studying architecture and has one more year for study and college football.

Imports and Exports of Los Angeles Harbor for the First Nine Months of 1930 Showed Gains

Imports and exports of Los Angeles harbor for the first nine months of 1930 showed gains. Exports were valued at \$111,495,492 and imports at \$77,889,247.

Many Improvements in New Models



These views show the new 1931 Chevrolet six-cylinder coach model and the driving compartment of the sedan. The front seats are adjustable, and the new dash has been refined and improved. Chevrolet factories throughout the country have been working to capacity to build Chevrolets enough to supply the ever-increasing demand.

Secrets of Air Photography

WASHINGTON, D. C.—The world's record distance photograph, first pictures from the air of a waterpark, and an aerial panorama of the skyways to South America were brought back recently by a National Geographic Society expedition which explored the air routes from Washington, D. C. to Buenos Aires.

Captain A. W. Stevens, noted aerial photographer, took more than 1,500 aerial photographs, while Jacob Gayer took ground photographs and Frederick Simplic made observations along the 1,200-mile route which included many side trips to little visited areas of the interior, especially around the mouths of the Orinoco and Amazon rivers and the jungles of Brazil.

"Life History" of Waterspout

The waterspout, a mighty, wriggling, serpentine column of water, was sighted near Havana, where the airplane circled it and photographs were taken from its start to its dissipation—giving the complete "life history" of this dread phenomenon.

One clear and frosty morning in September, Argentina's mid-winter, while flying toward Villa Mercedes, the expedition's airplane climbed to an altitude of 21,000 feet. Poking his heavy camera over the side, Captain Stevens snapped a long-distance portrait of Mount Aconcagua, 23,000 miles away. Upon developing this film the white mountain peak as far away as Albany is from Washington, D. C., showed plainly, supported by the massive Andean range.

Two Miles Higher Than Everest!

Two years ago from an especially built Army airplane with Captain St. Clair Sterrett as pilot, Captain Stevens took another world's record photograph—Rushville, Indiana, from 29,150 feet—an altitude almost two miles higher than Mt. Everest!

"Air photographs represent a new instrument of science. In addition to their value to aviators and their pictorial beauty," explains a bulletin from the National Geographic Society, "Mappers utilize aerial pictures in preparing maps quickly and cheaply. Geologists discover in them new features and peculiar formations on the earth's surface which are not ordinarily visible from the ground. Archaeologists use them to record new theories and facts about the habits of ancient man. Whenever earth is dug or turned over, the surface soil is mixed with that beneath. If the latter be chalk or in parts of England and Kansas the stirred up soil never becomes merged again in color. Therefore, where man has dug a hole or ditch, this fact is noticeable by distinct bluishness on the aerial landscape. Roman encampments and roads, burial mounds, and amazing trenches of the World War are clearly discernible."

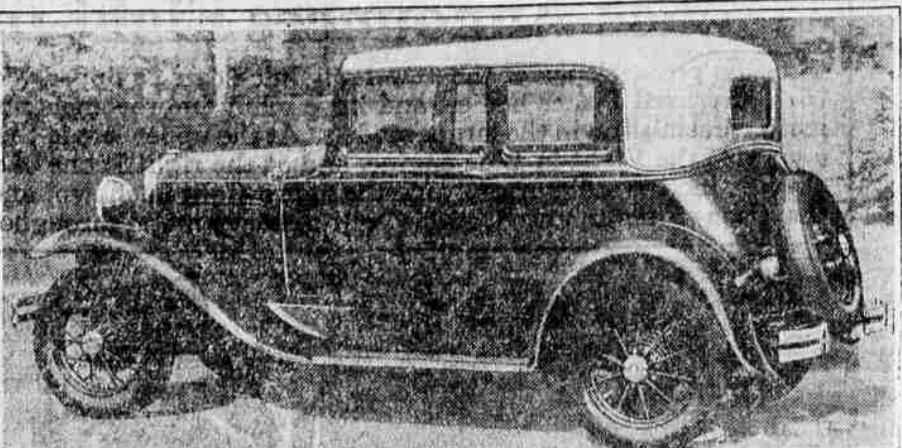
"Aerial camera men speak as eldritch 'verticals' and 'obliques' as studio photographers refer to bust portraits and 'full lengths.' When the camera is pointed straight down, the resulting picture is a vertical and when it is held at an angle to the earth an oblique. The latter are the types usually seen in newspapers and magazines. The verticals have a more practical use, however, as it is from them that aerial 'maps' must be made.

Must Keep Firm Stance

To take aerial photographs properly, the camera man must literally hang on by his toes. A swift dive or the airplane into an air pocket might toss him out. His camera is extremely heavy and to keep it from vibrating in the wind a firm stance is important.

"Success with aerial pictures depends upon the ability of pilot and photographer to cooperate. The tail or wings have a habit of sticking themselves into the picture at just the wrong time. Captain Stevens has developed a buzzer system which he uses when operating from a big plane. Two buzzes mean turn right, three—left, and four—keep straight.

Ford Announces De Luxe Victoria



The Victoria, just announced by the Ford Motor Company. The interior of the Ford Victoria (at right) offers a new note of luxuriousness in a small car.

ADDITION of a Victoria to the line of de luxe model Ford cars was announced by the Ford Motor Company today.

The Victoria is built along entirely new lines which give it a very distinctive appearance. The rear of the body curves gracefully out and down from the belt line while the windshield, the only one of its kind among the Ford closed cars, slants at a pleasing angle. Following a style which has attained great popularity in Europe the top and rear quarter down to the belt line are covered in a light tan pyroxylin-coated material which affords a striking contrast to any of the colors in which the body is available. A spare wheel mounted on an angle on the rear and covered lamps further enhance the exterior appearance.

The interior offers a new note of luxuriousness in a small car. The two front seats, both of which are adjustable, fold compactly forward. The rear seat, with an arm rest at either end, is low and comfortable, while the floor of the rear compartment is depressed to provide ample leg room.

Upholstery may be had in either a deep, soft mohair or a beautiful, durable Bedford cord.

There are curtains on the rear and quarter windows, hardware is of satin finish, and window garnish mouldings are of mahogany finish. Adjustable inside sun visor is provided.

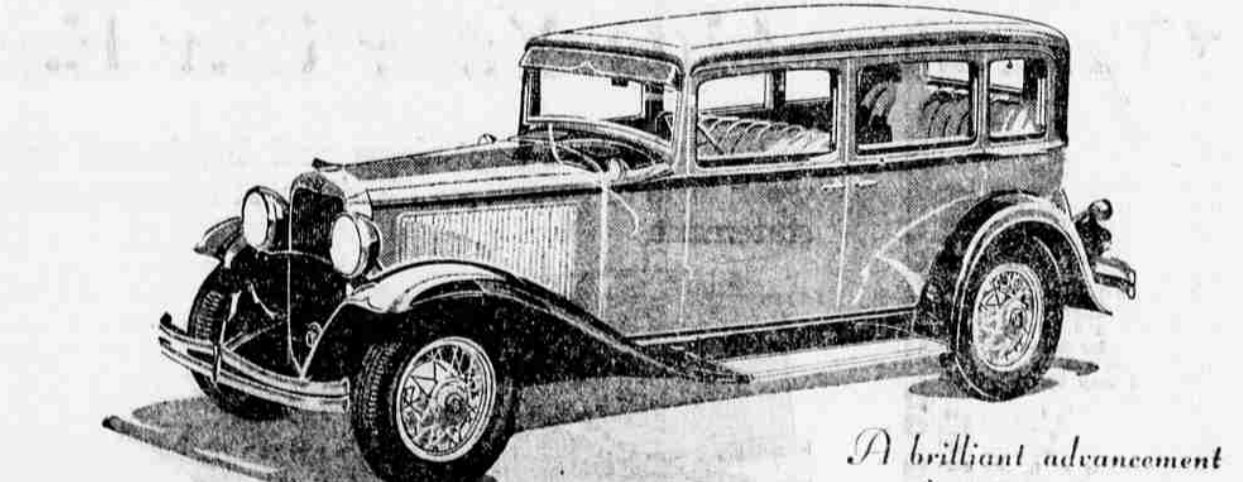
The Victoria is mounted on the standard Model A chassis.

liquid oxygen must be provided for the crew and the camera is often electrically heated.

238-Pound Tackle Agile

PULLMAN, Wash. (AP)—Glenn Edwards, Washington State college's "Terrible Turk" named tackle in the All-American consensus of the Associated Press, plays all over the field although he weighs 238 pounds. In the Oregon State game he intercepted a pass and ran for a touchdown.

New Beauty now graces DODGE DEPENDABILITY



Dodge Brothers present a new Dodge Six and a new Dodge Eight—the most beautiful, comfortable and able cars in Dodge history. It continues to be Dodge Brothers conviction that the most important thing about a motor car is that it be a good motor car—so designed and so built of sound materials that it may last long and operate dependably.

The new Dodge Six and Eight demonstrate that it is possible to incorporate in cars of Dodge quality at Dodge Brothers traditional price-levels a measure of beauty, size and performance, far beyond anything that moderate price has previously commanded. The value represented in such cars will be instantly apparent to every motor car buyer.

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