

## RADIO MESSAGES WILL BE CHEAPER

Marconi Predicts Less Costly Rate for Conversations Through Air

LONDON, July 19.—Another great step in the development of wireless telegraphic transmission has been realized, says Senator Marconi, who has returned to London after a two months' experimental cruise in his yacht "Eletra." A system has been evolved by the Italian inventor whereby wireless messages are transmitted with a minimum of electrical power, and at very low cost.

"We have transmitted messages up to a distance of 2,250 miles, not only with a very much smaller amount of power and energy, but faster and more cheaply than with the ordinary system of long-distance wireless," said Senator Marconi. "When the new system is adopted it will mean that a power station for long-distance work can be erected at much less cost than at present. I have telegraphed on this system from Cape Verde Islands, off the African coast, to London. To send messages clearly and more rapidly over those 2,500 miles took less power than a message from London to Paris by the ordinary methods."

Senator Marconi explained that these advantages were gained by the utilization of waves that have not before been used. Given the necessary mechanical element, he said, messages could be sent clearly seven times faster than the present rate, and that the public and the newspapers would ultimately have the benefit of much cheaper commercial charges. His opinion is that wireless is only in its infancy, and that the future has in store greater marvels than have been revealed in the past.

Commenting on recent experiments conducted by American inventors looking to privacy in wireless telephonic conversation, Senator Marconi said he was afraid such an achievement was still far off. "I do not say that wireless telegraphy will ever be an absolutely private means of communication, but I will say that in future it will be possible to make it much more difficult for anyone to get messages not intended for them."

Senator Marconi proposes to go on another experimental trip in a few weeks' time, and later to try the new system of long-distance wireless from the coast of the United States to Europe.

When a European government "falls" where does it go?

BRYN MAWR PRIZE WINNER.



This unusually attractive girl, with a face alight with eagerness and enthusiasm and ever alert, big, brown eyes, which can be both serious and merry on occasion, is Miss Mary Zella Pease of New York city, winner of the \$500 alumnae regional scholarship of Bryn Mawr, and will enter college there in the autumn. Miss Pease admits a college degree is not indispensable to the successful girl, although she believes the girl who has not gone to college has undergone a handicap from which it is hard to escape in missing certain senses of the spirit which college alone can bring.

### War Device Now Used To Rescue Buried Miners

NEW YORK, July 21.—An instrument called the geophone, invented by the French to detect underground noises during the World War, is now being used to rescue entombed miners, locate mine fire areas and reduce accidents through blasting, the Engineering Foundation announces.

The geophone has been improved by the U. S. Army Engineers and Bureau of Standards until its sensitivity is so great that in recent tests sledge pounding was heard 3,000 feet through rock, 2,000 feet through coal, 500 feet through mine "cover" and 300 feet through clay.

The geophone, despite its unusual functions, is not a complicated machine. It consists of an iron ring over which are two metal disks. In the space within the

ring, suspended between the thin disks, is a lead weight. An opening in one of the disks leads to an earpiece. When the instrument is laid upon the ground, it "picks up" sound vibrations that may be coming through. The disk vibrates, causing a disturbance in the air within the instrument which, taking the form of sound, is transmitted to the ear of the listener.

### ON THE SIDE LINES

During his visit abroad Hiram Johnson attended a few sessions of the World Court at The Hague, but is convinced that as a peace agency it is not to be compared to the San Francisco police court. At any rate, we are not to expect any endorsement or approbation from his lips. — Los Angeles Times.

## MASONIC EMBLEM TRAVELS AFAR

Members of Marmon Commandery Will Go From Ohio to California

MARION, O., July 21.—As the crusaders of old members of Marmon Commandery No. 38, Knights Templar, will undertake a pilgrimage. They will leave here July 22 and their travel will end in Hollywood, California, August 3, when Sir Knight Warren G. Harding, a member of the commandery, will present to Hollywood Commandery No. 56 an emblem which has crossed the continent.

This is the Traveling Beauseant, dedicated by the Grand Priory of Canada, which is to be taken around the world by means of one commandery delivering it to another. It is to go to only one branch of the high Masonic Order in a grand jurisdiction. The commandery which holds the Beauseant selects the one which gets it next.

Cyrene Preceptory No. 29, K. T. of Toronto, was the first recipient of the emblem. Then it was delivered to Hugh De Paynes Commandery No. 30, stationed at Buffalo, then to St. John's Commandery No. 4, K. T., at Philadelphia, which delivered it to Columbia Commandery No. 2, K. T., of Washington, D. C., whence it was sent to Marion.

It has been estimated that 50 years will be consumed in sending the Beauseant around the world.

The Marion representatives will display the Beauseant before commanderies in Chicago, Omaha, Colorado Springs and Salt Lake City, where stops will be made.

Ceremonies at Hollywood will be held in the Hollywood Bowl, which accommodates 50,000 persons.

### Ireland Trying to Find Work for Unemployed

DUBLIN, July 20.—There are more than 62,000 persons without work in the Irish Free State for whom the government is struggling to find employment. The unemployment difficulty, and the liberation of 12,000 political prisoners still interned, constitute Ireland's most formidable problem.

It is estimated that the Free State army now consists of 49,000 men, and before the end of the year the Minister of Defense hopes to bring this figure down

to 29,000. The government is puzzled to know what to do with the 20,000 soldiers when they are demobilized. The problem is common to all Europe where, through a disturbance of markets, there are more men than can be absorbed in industry. Fortunately, the Irish Free State is in a better position to absorb these men than most other countries would be. It starts off with the important fact that it is a creditor nation exporting in each year a great deal more than it imports.

## NEW ERA SEEN FOR AVIATION

Motor Gliders Indicate More Wonderful Achievements in Air Traffic

LONDON, July 21.—A new era in air flying, that of cheap, safe, popular airplaning, is foreshadowed by the remarkable success attained by tiny British airplanes called motor gliders. One of these, a small monoplane fitted with a three horsepower engine, recently reached a speed of 53 miles an hour during tests near London. It climbed to 2,350 feet and although in the air for an hour and 20 minutes, consumed less than a gallon of petrol.

French aviation experts also are perfecting similar "pocket-planes" intended for use by amateur aviators and sporting enthusiasts. At a contest soon to be held near Paris 30 of these diminutive planes will take part. In England a small "car with wings," capable of carrying its owner through the air at the speed of an express train with no more power than is required by a motorcycle, has reached such a practical stage that orders are being booked for it by the public.

Rising out of small fields and being wonderfully controllable in the air, these cheaply-run winged cars are to be made to alight so slowly that the risk of a crash on landing, even under adverse cir-

CANCER WHO ASKS HER FREEDOM.



For the second time Bessie Clayton Mitchell, famous dancer, has brought an action for divorce from Julian Mitchell, who is almost as well known in theatrical circles as a stage director. Mrs. Mitchell alleges that Mitchell deserted her in 1910, sixteen years after they were married. Mrs. Mitchell first sued in 1911, but her plea was denied.

circumstances, will be practically eliminated. Furthermore, such machines will be so handy on the ground, and their wings will fold so neatly, that it will be possible to house them in ordinary motor garages.

It is expected that the owner of one of these machines will be able to make trips from London to Paris and back, sweeping high cars are to be made to alight so slowly that the risk of a crash on landing, even under adverse cir-

transport, for about \$5. A movement is now on foot to get motor-garage proprietors to set aside smooth-surfaced fields, marked clearly so they can be seen from above. In this way the drivers of little "air cars," when on week end aerial rambles, will have points all over the country where they can descend and replenish their gasoline tanks, or make any necessary repairs or adjustments.

## Duke of York Too Busy For Memorial Unveillings

LONDON, July 18.—Members of the British royal family have announced that they will be obliged to decline future invitations to unveil war memorials.

This announcement was made when a reply of the Duke of York to an invitation to unveil a war memorial was made public. The Duke said that he, in common with other members of the royal family, found it impossible to travel over the country, especially for these ceremonies, when he has so many other pressing and important demands on his time.

Members of the royal family have already unveiled more than 30 war memorials which include many national memorials, to which local ones are but supplementary.

## BOYS

Now is the time to buy a used

Bicycle

We still have a few fine rebuilt wheels from

\$15.00

to

\$22.50

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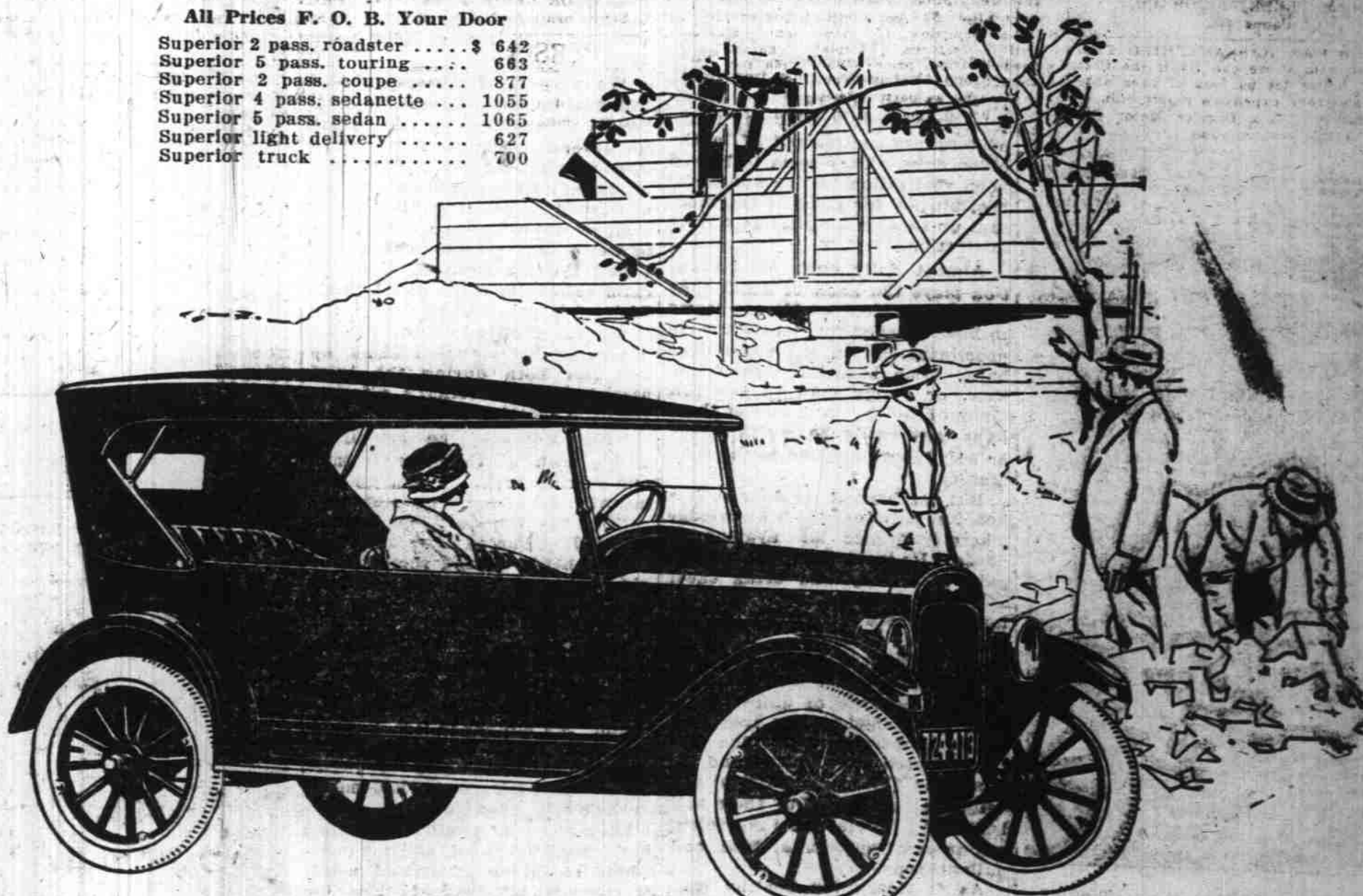
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Superior light delivery	627
Superior truck	700



Newton-Chevrolet Company  
227 NORTH HIGH ST. SALEM, OREGON

## The Cock and the Gem

A COCK came down from his roost at dawn and scratched the ground in search of food. By and by, he turned up a fine gem. He gave it a kick and muttered softly to himself, "Huh, you're a fine thing, no doubt, but to my mind one good grain of wheat is worth all the gems in the world."

It's all in the way you look at it. The wealth of the universe wouldn't be worth much to you if it couldn't buy you something to eat. Inversely, the more you can buy for your money, the more your money is worth.

The advertisements are intimate lessons in buying efficiency. They teach you how to get the most in value and enjoyment for the least money. They give you knowledge that pays.

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Millions of thrifty folk find that it pays them well to be guided by the advertisements.

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The advertisements will show you how to get the most for your money