

# FORD PLANS TO PUT END TO ALL WAR

(By Associated Press)

DETROIT, Jan. 20.—Henry Ford's industrial expansion program is world-wide, not national, in scope, and has been undertaken with the underlying motive of educating the people of the world to such a degree and of making their so prosperous that wars will be ended forever.

"This was declared today in the nine-page address which the manufacturer made to extend his operations into every part of the world.

Mr. Ford believes that a busy, prosperous people do not stop work to make war; they go to war only when it is necessary to protect their homes or their ideals when these are menaced by some more idle nation.

"When the time comes that every one everywhere has a job, and lasting prosperity has been created as a result, the people of any nation will be too busy and too happy to even think about war," the manufacturer says. Therefore, it is pointed out by those in close touch with him, he is convinced that world industrial expansion, bringing with it prosperity for all people in all lands, automatically will make war obsolete.

The manufacturer is known to believe that the automobile is the agent that will usher in the millennium of world peace.

"When the people of any country get to understand automobiles and use them daily, they will know considerably more about machinery," he declares. "Then, in the course of a few years agricultural machinery will appear in that country. Hundreds of bushels of grain will be produced where only a few were grown before. In many foreign countries the farmers know nothing of machinery. Probably they will get to know it until they have learned to use automobiles.

"Machinery will help to make any country prosperous.

"There is another reason why world wide use of motor cars will help to end war. That is in the increase of travel on the part of the persons of any country.

"In Mexico, villages fight one another. If we could give every man in those villages an automobile, let him travel from his own home town to the other towns, and permit him to find out that his neighbors, at heart, were his friends, rather than his enemies, Mexico would be pacified for all time.

"Russia could be saved by the advent of the automobile. It would educate the peasants by instruction in machinery. Other machinery would be brought in to till the fertile acres if the peasants once were taught to use it. There would be no more hunger anywhere in that country.

"The same is true, to a greater or less degree, of every country under the sun.

Mr. Ford, according to those close to him, has come to look upon automobiles, of merely the products of his factories or the plants of other motor companies, but as a means of civilizing and pacifying every part of the world.

# Weather Warnings Radioed Over Land, Sea, and Air

The marvellous advance in radiotelephony which makes it possible for any one to receive messages in spoken words, without having to decipher a telegraph code, has economically increased the broadcasting of weather information, during the past year, not only to farmers all over the interior of the United States, but to aviators and ships at sea, both on the oceans, the Gulf of Mexico, and the Great Lakes.

**Radio Reaches Farm Homes Directly**

To receive radiotelephone messages requires only a limited equipment, simple and inexpensive. Thousands of farmers have installed receiving apparatus recently, with the result that the isolated rural home is brought instantly in touch with the many kinds of information, instruction and information that are being broadcasted continually.

Weather information thus reaches the farmer as promptly and effectively as any crisis business man. Farm operations are absolutely dependent for success upon a knowledge of weather conditions, and the protection of crops from disaster due to frost, drought, storms and other weather phenomena is only possible if adequate warnings are received in time. Heretofore a large number of the farmers of the country were so located that they could not be supplied by newspapers or telegraphs with the daily forecasts and warnings of the weather bureau of the United States department of agriculture in time to be of service to them. Radiotelephony has changed all this. Also the number of broadcasting stations has increased to meet the needs of those equipped to receive the messages.

A year ago daily state forecasts were being broadcast from 12 radio stations in only 7 states, and chiefly by radiotelegraphy, which few were able to take advantage of. Last July there were 98 stations, in 25 states, broadcasting daily weather forecasts and warnings by radiotelephony. Weekly reports on the effect of weather on crops and highways, and other information issued by the weather bureau are also disseminated by these stations.

**Weather Bureau Owns No Wireless Equipment**

The weather bureau does not own or operate any wireless equipment. The radio distribution work is accomplished through plants operated by other government agencies, by corporations and by private individuals, and without expense to the weather bureau. An exclusive wave length of 485 meters has been assigned by the bureau of navigation, department of commerce, for the broadcasting of weather forecasts and market reports. No station can use this wave length unless specifically licensed to do so. To avoid unnecessary crowding of the air and interference with schedules, only 2 stations are licensed to broadcast in any city or community. This limits the number that would otherwise gladly cooperate in the work. There are at present about 400 licensed broadcasting stations in the United States.

Forecasts Broadcast Twice Daily

An important accomplishment in radio work during the past year was the arrangement in June, 1922, for broadcasting twice daily, including Sundays and holidays, the cold wave, frost and other warnings and information of the states in the Washington and Chicago forecast districts. These disseminations are made from the naval stations at Arlington, Va., and Great Lakes, Ill. Radiotelegraphs and high wave lengths are utilized for these long range transmissions. Local radiotelephone broadcasting stations in these districts take up the messages and broadcast them by radiophone.

This program is an immediate adaptation by the weather bureau of plans approved by the interdepartmental radio committee, which contemplated the use of a few high-powered government radio stations for broadcasting official information by radiotelegraphy for the entire country. The states in the San Francisco forecast district were included in a similar service about September 1, and it is hoped that the remaining districts will have one within a few months.

**Radio Service for Ships and Aviators**

Material extensions were made last year in the radio bulletin service for the special benefit of marine and aviation interests. A major bulletin was broadcast, beginning March 15, 1922, from Good Island, near San Francisco and localized bulletins were sent from Tatonah Island, Wash., North Head, Wash., Eureka, Calif., San Pedro, Calif., and Dutch Harbor, Alaska. In April, service of the same character was inaugurated for the Great Lakes regions, the localized bulletins being sent from Alpena, Mich., Buffalo, N. Y., Chicago, Ill., Cleveland, Ohio, and Duluth, Minn., replacing a limited broadcasting service previously conducted at these points. This new broadcasting work is on the same basis as that on the Atlantic and Gulf coasts. In all of this work the weather bureau is indebted to the director of the office of communications of the navy department for cordial and efficient cooperation.

To aid aviators special upper-air forecasts are broadcast from all radio stations in 14 zones, except two. Army, navy and postoffice officials and flying fields receive daily telegraphic forecasts. Special and more detailed forecasts are issued twice daily at the request of the air service of the army for the three air routes from Washington to Norfolk, Va., Long Island N. Y., and Dayton, Ohio. Every effort is made to cooperate with the army and navy to

make weather information of the greatest possible benefit to flyers.

In connection with hurricane warnings wireless communication is of incalculable value. One of the worst storms of last year was traced for five days over water areas and its center, direction of movement, intensity and rate of progress determined by wireless reports from vessels. Advises and warnings were radioed four times daily to vessels in the South Atlantic, the Gulf of Mexico, and the Caribbean Sea, enabling them to turn back or change their route to avoid the hurricane. Only one ship was lost and property amounting to hundreds of thousands of dollars was saved as a result of the timeliness and accuracy of the warnings.

A commercial company which does a large trade business in Central and South American countries, operates several radio plants in those countries and has arranged with the weather bureau to broadcast special weather bulletins twice daily for the benefit of Caribbean shipping.

A daily radiogram is sent to the French meteorological service, containing observations taken at about 40 stations in the United States and a similar message will be sent soon to the Philippines and Japan. The reports sent to France are broadcast over Europe from the Eiffel Tower. The United States weather bureau receives radio reports from the European countries in exchange.

It is the plan of the Amundsen polar expedition which started from Seattle, June 1, 1922, for a three-year trip, to maintain radio communications with the United States signal corps, at Nome, Alaska, for nearly two years. Twice daily weather observations will be taken during the expedition and transmitted to the weather bureau.

The future usefulness of radiotelegraphy and telephony in disseminating weather information can not be estimated. When funds are available for telegraphing or telephoning forecasts, warnings and information to radio stations which can not at present be included in the system, and for additional employees which would be required, the service can be made even more far-reaching and valuable.

Lumber shipments from St. Helena last week reached a total of \$3,000,000, seven vessels are now in port which will take out this week close to 3,000,000 feet.

William Henry Welch, for 28 years a resident of Salem and for 18 years in charge of the mailing room of a local newspaper, died in that city Sunday night.

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**LEBANON FAVORS S. P.**

(By Associated Press)

LEBANON, Jan. 20.—The Lebanon citizens are showing interest in the Southern Pacific-Pacific Union merger, in that they seem to generally favor the Southern Pacific, with the hope that the road will soon complete the Natron cut-off to Klamath Falls and thus put Lebanon on the shortest line from Portland to San Francisco. With the Natron road completed the people here believe that some of the through trains from the north to the south would route over this coast-side line, which is not only the shortest line from Portland to San Francisco, but also the shortest from Portland to Springfield and Klamath Falls.

At the close of business December 31, receipts at the Portland postoffice had gone over the \$20,000 mark from the \$16,000 mark reported the year before.

## FOR SALE

New six-room modern bungalow in excellent condition, three bed rooms, breakfast room with built-in tables and chairs, full basement with inside and outside entrances, furnace, wash trays, fruit room. This place is beautifully furnished and everything goes with the exception of dishes and bedding. The price and terms are attractive.

If you are planning to build next spring and would like a garden in case of some size and still have all the advantages of a close-in home, investigate this. Lot 53.5 feet by 140 feet, 55.5 feet frontage on a hard surfaced street, located among some of the best homes in the city, sewer, cement sidewalk. Price \$1800.00 terms if desired.

Beautiful four-room modern bungalow, excellent location in the best part of the city. Well furnished, 2200 sq. ft. lawn, well graded with many flowers, shrubs and apple trees. If you want a fine home at a right price look into this.

Modern four-room home, well located across the tracks. Price \$2500.00, terms, \$500.00 down and balance like rent.

Modern six-room home, cement sidewalk, lawn, trees, shrubbery, new fireplace, basement, built-in kitchen, wash trays. Price \$4500.00.

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