

Oakland Performs Service

Aviators Aided in Making Preparations for Honolulu Flight

Among all so-called "firsts," and exclusive privileges, here, indeed, was an enviable "first and only," credited to a smart Oakland two-door sedan, the only privileged character in the form of an automobile in attendance to their majesties, the conquerors of 2100 miles of air space between the Pacific shores and Honolulu, T. H.

Darting here, there, everywhere, this motor car served quickly and in good stead the wishes of its owner, Master Sergeant Alfred Barnhart, U. S. A. in charge of all aerial repairs of denizens of the air at the Presidio's Crissy field, whose task on the day of the immortal Oakland, Honolulu flight was by no means the least important.

The Oakland sedan is Sergeant Barnhart's own car, and he finds it useful in many ways besides his own personal transportation to and from air service headquarters at Crissy Field.

On the day Lieutenants Lester Maitland and Albert Hegenberger took off on their Pacific Ocean hop, the Oakland services were practically indispensable, and this was the only automobile of thousands parked around Bay Farm Island Flying field that was allowed "inside the lines." A photographer at the field, scoring a "news beat" for Oakland, took several photographs of the car stopped close to the giant tri-motored Fokker plane while fueling and other last minute preparations were being made.

Sergeant Barnhart's Oakland sedan is the latest model, and a mechanism in which he takes as much pride as he does in the winged craft with which he has become so familiar.

Motor Assn. Completes Log Tour of Oregon

The Oregon State Motor association has completed an extensive log tour of the highways in Oregon. The tourist travel in the state will reach its peak in two weeks and will continue at that peak until the first of September, in the opinion of A. E. Shearer, Manager of the touring department of the Oregon State Motor association.

The vacationist setting out on his summer outing will find the finest Oregon roads in the history of the motor association officials who have just completed an extensive logging tour of the state. The delayed summer, which held up traffic on many mountain roads, has repaid for its tardiness by placing practically all of the state roads in excellent condition.

The only roads of importance now blocked by snow are believed to be the Crater Lake rim road and the short cut from Crater Lake to Diamond Lake, both of which will probably be blocked for several weeks. One of the drifts on the Crater Lake-Diamond cut-off is believed to be about 52 feet deep. This does not materially hamper travel to Diamond Lake, as access may be gained from the Pacific highway on the east side of the mountains. Crater lake is accessible both from Klamath Falls and Medford. About 150 cars at a

Crater lake last Monday. Little Wet Oil Road Motorists will have little trouble with oil splashing their cars, as had been the case during the past weeks on several of the highways. The Mount Hood loop road is now practically free from wet oil. An excellent detour takes the motorist around a stretch of wet oil near Klamath. Only three wet stretches of oil remain in the state at the present time, between Seaside, and Hamlet, Hebo and Neskowin and Hebo and Beaver.

Use Oversize Tires For More Mileage

"The use of oversize tires will enable many motorists to get much greater satisfaction and longer mileage than with regular tires," according to Roy Clark, manager of the Vernonia Service Station, Firestone dealers in Vernonia.

"Motor cars are equipped with tires that are ample for any ordinary use, provided they are inflated to the correct pressure. However, most motorists abuse their tires by overloading them and through failure to keep them 'pumped up.'

Oversizing allows a much greater margin of safety, and in the long run justifies the extra expense. There are many advantages to using oversize tires, including more comfortable riding, better breaking with less tendency to skid, and less tire trouble. The larger tire is not so easily cut or bruised and the tread wears much longer.

"Last but not least, the oversize tire will average far greater mileage, which in terms of cost per mile, means economy. In tires as in every thing else, it pays to buy dependable, quality merchandise and Firestones have a long established reputation for being the leader in that field."

The principal food of termites or white ants is cellulose. With the clearing of land and the consequent destruction of their natural breeding places in dead trees, decaying stumps, and logs, termites become increasingly destructive to the woodwork and contents of buildings, telephone poles, fences, or any timber in contact with the ground, as well as to living vegetation, including not only fruit and shade trees, shrubs, and flowers, but also truck and field crops. Information as to control measures for termites or white ants may be obtained from the United States department of agriculture, Washington, D. C.

Studies of milk production records made by the Bureau of Dairy Industry have shown that dairy cows reach their maximum producing ability at approximately 5 1-2 years of age and the decline in production starts at about 10 1/2 years.

A German scientist, says the forest service of the U. S. department of agriculture found that in open areas 84 per cent of the water precipitated in annual rainfall filtered into the earth, while forest land having similar soil and topography soaked up 74 per cent of it. Thus woodlands on land not needed for cultivation help prevent floods.

St. Helens—Three new buildings will be erected for county fair. Central Oregon wheat promises a record yield this year.

Safety Campaign Waged For Pedestrians, Drivers

Each individual must do his share if 1927 is to mark the most successful campaign ever conducted in the cause of safety. National agencies are preparing to launch vigorous attacks on the careless pedestrian and the careless motorist and their main objective will be to gain cooperation of individuals in both classes.

This prospect is linked up with the season of "good associations" who declares that "citizens can do no more in the interest of safety than making and keeping a resolution to contribute their share by driving and walking in obedience to the law."

"Like all other problems involving the mass, safety narrows down to the individual," says Mr. Brancenburg. "We can have sound regulations governing traffic and still have the same number of accidents if individuals persist in taking reckless chances. At present, the main issue too often is lost to sight in the maze of argument that is offered by both sides to prove the other to blame for the rising tide of highway mishaps.

"We are certain to see in 1927 the most intensive campaign in the interest of safety. The American Automobile association, with which this club is affiliated, and other national organizations are laying the groundwork for a nation wide educational campaign looking toward individual cooperation in the movement.

"No thinking person will question the need for action. The situation would be appalling were it not for the hopes raised by the tremendous amount of thought given to the subject.

"It is up to each individual, old or young, motorist or pedestrian, man, woman or child to thing safety and govern his every move on the street or highway accordingly. No better New Year resolution than this could be made.

How Photographs of Lindbergh Were Sent Over Atlantic Cables

While New York still thrilled with the first news that Col. Chas. A. Lindbergh and the "Spirit of St. Louis" had reached Paris, a motorcycle messenger sped from the Western Union cable office at 40 Broad street, New York city, to the office of the Pacific and Atlantic Photos, Inc., with a small package.

The package contained a roll of paper tape, some 350 feet long, five-eighths of an inch wide, and perforated crosswise with a multitude of tiny holes.

Less than an hour later, newspapers were on the streets with the actual photographs of Lindbergh and his plane landing in Le Bourget aviation field outside Paris.

During the days that followed other cable photographs were published—pictures of Lindbergh receiving the plaudits of enthusiastic thousands in Paris, Brussels and London, and still later there were views of Chamberlin and Levine in Berlin. Similarly, pictures of the Lindbergh receptions in Washington and New York appeared in European newspapers only a few hours after the pictures were taken. These pictures were actual photographs transmitted over the Atlantic cables by the Bartlane method, developed by H. G. Bartholomew of the London Daily Mirror, and Col. M. D. McFarlane, affiliated with the Pacific & Atlantic Photos of New York.

The process is intricate, but intensely interesting. It consists essentially of the conversion of an ordinary photograph into a five-minute telegraph tape, and the reproduction of the photograph from the tape after the tape signals have been transmitted telegraphically.

First, the photograph is printed on metal sheets in such a manner as to give tone differentiation. This is obtained by making five prints of varying density from the same negative. These prints consist of conducting and insulating portions according to the lights and shades of the original photograph.

The metal prints are next placed on a series of rotating cylinders, each of which has a needle in electrical contact, much as the needle in friction contact with the record of a cylinder type phonograph. The needles are connected electrically with a tape perforator such as is used in automatic telegraphy, and the perforations made in this tape, as the cylinders rotate constitute a record of the picture.

The tape is then delivered to the Western Union, and is transmitted exactly as if it were an ordinary cable message, over the highspeed Permalloy type cables recently laid in the Atlantic. The signals are received at the distant end of the cable in the form of a perforated tape identical with the original sending tape.

The received tape is taken to the Bartlane machine and run through the reproduction apparatus. A high-powered light is projected through the holes of the moving tape so that it registers upon a photographic film, and the picture is built up on the film in accordance with the record of the tape. The time required to transmit a photograph is about 35 minutes, and the cost is in the neighborhood of \$100.

The Bartlane system is susceptible of use on land lines as well as Permalloy cables, and is actually in operation between New York, Chicago, Washington and other large cities.

"Inside" Information

A breakfast menu when you have over-night guests, cantaloupe, waffles and butter and bacon, maple sirup, strawberry preserves or blackberry jam, milk or coffee.

To shorten a pattern for a small person, fold a tuck in it half way between the armseye and the waist line, and another tuck halfway between the waist line and the bottom. In cutting straighten the seam lines as necessary. If a shorter sleeve is required than that of the pattern take tucks half-way between the elbow and armseye and halfway between the elbow and wrist, so that the elbow always remains in the correct position. Such alternations must be carefully fitted to the person before the material is cut.

Shoes that are too large are a misfit. The foot is not snugly supported. Blisters are often formed, especially on the heels, and stockings are needlessly worn into holes. Shoes should be correctly and carefully fitted.

Play Ground Contest On

(Continued from page 1) according to Dr. Ella Wight, chairman, and let it be the slogan of all Vernonia. The park board commenced active work this week on the play grounds and have to date had the stumps blown and piled to burn, trees trimmed and the grading started.

"Let everyone get the spirit and we'll soon have a play ground," continued Dr. Wight, "that all Vernonia will be proud of. The park board asks all lodges who have offered to place apparatus and money for certain purposes to re-part same to the board and a location in the park will be given them. The grand flag pole by the American Legion is the beginning; shal.

Let others follow; a drinking fountain, a bake oven, benches and a table are needed to complete the picnic grounds." The park board especially asks the boys and girls who go swimming in the park not to dig holes in the new grading or start fires. The board has been busy the past few days taking pictures of improvements and these will be sent to the foundation to compete for the prizes.

Notice

All persons who start fires or dig holes or in anyway destroy anything within the playgrounds will be arrested and prosecuted by the park board and city marshal.

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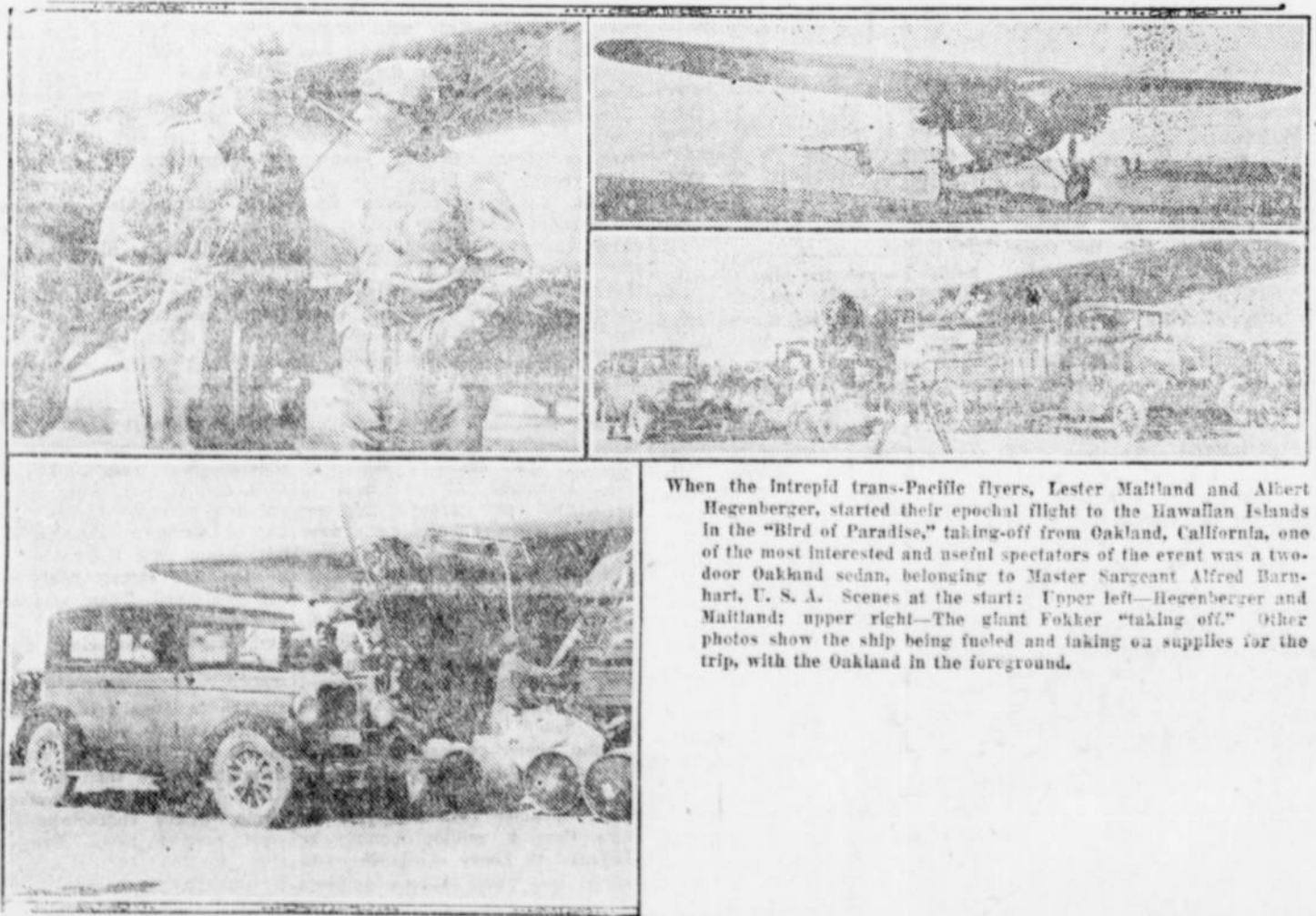
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When the intrepid trans-Pacific flyers, Lester Maitland and Albert Hegenberger, started their epochal flight to the Hawaiian Islands in the "Bird of Paradise," taking-off from Oakland, California, one of the most interested and useful spectators of the event was a two-door Oakland sedan, belonging to Master Sergeant Alfred Barnhart, U. S. A. Scenes at the start: Upper left—Hegenberger and Maitland; upper right—The giant Fokker "taking off." Other photos show the ship being fueled and taking on supplies for the trip, with the Oakland in the foreground.