FLIGHT TO GOTHAM IN 30 HOURS IS AIM

Airmen Start Tomorrow on Trans-continental Trip.

LIBERTY MOTOR TEST ON

Army to Try Out Engine Made by American Machinists for Use in War.

SAN DIEGO, Cal., Oct. 3.—Confidence that their powerful liberty motor will not fail them in their proposed non-stop flight from San Diego to New York, starting at daybreak Thursday, was expressed today by Lieutenants Oakley G. Kelly and John Macready, army aviators. The big monoplane has been tuned up especially for the flight, and unless word is received of a heavy storm in the path of the aviators they will try to leave at the time set.

Both aviators today made statements to the Associated Press. Lieutenant Kelly said:

"We have every reason to believe from our experience with the liberty motor that the motor will function properly throughout the entire flight. We are using a 400 horsepower liberty engine, which has been thoroughly overhauled and prepared especially for this flight by the engineering department of the army aeronautical experimental station at McCook field, Dayton, O.

Test Flights Promising.

"Particular care has been taken in the bearings to prevent oil leaks. In the test flights at Rockwell field we have encountered no trouble and we have every reason to believe that the flight will be a success. Should we land safely at New York it will have demonstrated that the liberty motor, a product of American ingenuity, has been placed at the top of the list of the world's aeronautical motors, where this motor unquestionably properly belongs.

"We expect to make the trip within 30 hours. Our first hard task is to leave the field. After this comes the problem of safely traversing the mountains. The weather bureau at Washington is co-operating with us and thus far has predicted favorable flight conditions. We expect to land in New York early Friday afternoon.

Longer Trips Expected.

"There is no question in my mind that this flight across the continent without a stop is but the forerunner of flights of extremely long distances. When one considers that but 14 years ago the longest non-stop flight was but five-eighths of a mile, one can visualize the marvelous progress made in aviation development in that comparatively short period. It graphically illustrates the fact that the money expended on aeronautical experimental work has not been wasted, something of which the American people should be proud."

Lieutenant John Macready said:

"Kelly and myself are both optimists. I firmly believe the flight will be a success.

"One of the most serious things we have to contend with is taking off with a heavy load, then flying with this great weight over a rough, barren, ragged country. The high elevations of New Mexico and the flying at night across the Ozark mountains west of St. Louis also offer a difficult problem. With this must be coupled the fatigue of spending a great number of hours in the air without rest and the anxiety over the motor and of encountering severe storms. If we have a 50-50 break we will be able to say on landing in New York: 'We had breakfast yesterday in San Diego.' Nobody has said this yet, but Kelly and I hope to.

Army Behind Aviators.

"This flight was inaugurated by the United States army air service. The work on the plane and motor was done by the engineering division at McCook field. The flight is being made primarily to show the improvements made in the liberty motor during the last few years, to demonstrate the feasibility of a non-stop flight from San Diego to New York; to determine the general all-around efficiency of both motor and monoplane, and finally to bring out the endurance of the pilots. We hope and firmly believe the flight will be a complete success."

POWERFUL SET BOUGHT

(Continued From First Page.)

ber and ordinary telephone receiver will attain perfect service. Hood River, the beaches and scores of receiving stations within a 100-mile radius, and farther—that have been known as "dead spots" and have received intermittent and unsatisfactory service from sets now in local operation—will be enabled to receive continuous broadcasting service.

The company guarantees that the difficulties experienced by certain localities will be overcome and that all radio enthusiasts within 100 miles, whose sets are equipped with simple tube receivers, will hear clearly, day or night, the programmes from the broadcasting station in The Oregonian tower. Owners of the simplest of crystal sets should be able to receive the programmes at any point within a radius of at least 25 miles.

Another marked advantage of the new station is that it will operate under the special federal license of class B, on 400 meters, whereas all local sets now broadcasting are operated on 360 meters. This will afford The Oregonian station the privilege of utilizing any hour, and will enable any receiver to tune in at any time, as the broadcasting at 400 meters will not interfere with existing sets.

In the new 500-watt set of this type, of which there are but 20 in America, all previous difficulties of using telephone lines for the extension of service have been eliminated by thorough research and correction, inasmuch as the constructing company builds both the radio set and the telephone instruments. The Oregonian has accordingly arranged with the Pacific Telephone and Telegraph company for the privilege to lease wires as needed for extensions into theaters, churches and public buildings, making possible the receiving and relaying of outside programmes and addresses—something that has never before been locally feasible.

The operating room, with the radio transmitter, will occupy the very top of The Oregonian tower, above the clock. The studio will be on the floor beneath, where the present equipment is installed, while the reception room will be one floor lower.

The set supplies 500 watts of high-frequency power to the antenna, and consists of four 250-watt vacuum tubes, two used as oscillators and two used as modulators. To convert music and speech to electrical current a specially designed high-quality microphone—a marvel of ingenuity—catches the sound and feeds it to a three-stage speech amplifier, which increases the voice energy approximately 4,000,000 times. From the speech amplifier the voice currents are fed to the radio transmitter, and there placed on the carrier waves by the modulators, and broadcasted from the antenna.

To supply the voltage as used by the radio transmitter a three-unit motor generator set is used. One generator supplies the 15 volts used to light the filaments of the vacuum tubes, and another furnishes 1600 volts for use in the plate circuit. The studio itself will be specially designed to eliminate all echoes and voice reverberations, while the sensitive microphone transmitter picks up even the faintest sounds.

In order to make certain that the set will be installed and operated in the best possible manner, that listeners may be furnished with the most perfect telephone broadcasting service obtainable at the present time, Mr. Evans was sent to Portland by the Western Electric company to make the preliminary survey, upon which he is now engaged.

While the 500-watt set will be far more powerful than any now operating in the Pacific northwest, its excellence does not consist in power alone. The sets now in use are assembled of manufactured parts. The Oregonian set is built as a unit with every part perfectly adapted to every other part. The result is perfect reproduction. It is guaranteed by the makers that there will be no distortion and no rasping and grating, provided the receiving set is properly tuned in. The improvements are of sufficient importance to mark a new era in broadcasting.

It is hoped to have The Oregonian's new station in operation early in November.

SOLOS TO BE FEATURED

THE OREGONIAN CONCERTS TONIGHT ARE UNUSUAL.

Excellent Artists to Participate in Extraordinary Programmes to Delight Radio Fans.

Two concerts in which every one of the artists to participate ranks high in local musical circles, in his or her special kind of music, will be broadcast from The Oregonian tower tonight between 8 and 10 o'clock, in conjunction with the Shipowners' Radio service. The programmes include soprano, baritone, violin, piano and flute solos.

The first concert has been arranged by Miss Eda and Miss Marjorie Trotter, pianist and violinist, and they will be assisted by Mark Daniels, one of Portland's finest baritones. The Misses Trotter are both teachers of their respective arts and among the finest that Portland affords. Mr. Daniels has already participated in several radio programmes broadcast from The Oregonian tower and his voice is always welcomed by the radio audience. The concert, however, will be the debut of the Misses Trotter and their names make splendid additions to the long list of radio favorites.

Among the violin solos which Miss Marjorie Trotter will play are "Slavonic Cradle Song" (Nerudal), "The Humming Bird" (Drdla) and "Little Song (d'Ambrosio). As piano solos Miss Eda Trotter will play Liszt's "Polonaise" and "Cantique d'Amour" and "Vicchio Minuetto" (Sgambati).

Those who will participate in the second concert, from 9 to 10 o'clock, are Miss Inez Chambers, violinist; Miss Margaret Laughton, flutist, and Jeanette Boyer Xanten, soprano, and of especial note in this concert will be the soprano solos with flute obligato.

It will be the first performance in The Oregonian radio tower of Miss Chambers, although she is a radio player of almost national fame, having played in large broadcasting stations in Indianapolis and Chicago and several other eastern cities. Miss Chambers recently returned to Portland from a concert tour that extended clear to the Atlantic coast and she is one of the best violinists of the Pacific northwest. She will be assisted at the piano by Mrs. Albina E. Knowlton.

Miss Xanten is an advanced pupil of Paul Petri and is possessed of a beautifully and perfectly cultivated voice. The concert will also be her debut to The Oregonian tower. She will be accompanied by her teacher, Paul Petri.

Miss Laughton is one of the most popular of radio favorites and the best-known flute player in Portland. This will be her fifth radio concert and at every one she has received torrents of applause. Flute music is splendidly adapted to radio broadcasting and carries perfectly over the air. Miss Laughton will play some solos besides the obligatos to Miss Xanten's solos.

ALLIES AND TURKS MEET

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headquarters staff. The French and Italian deputations were similarly limited.

Every effort was made to maintain complete secrecy and privacy for the conference and the bay was as effectively barricaded as though the surface of the Sea of Marmora were marked out with barbed wire entanglements. For 48 hours nobody has been permitted to enter the area around the Gulf of Gemlek without special papers.

AUTO'S DIVE IS FATAL

LEONARD JEWELL, 28, DIES IN ACCIDENT.

Machine With 3 Men Plunges Off Willamette Boulevard and Down 40 Feet.

Leonard D. Jewell, 28, of 903 East Everett street, was killed, and his two companions were injured at 2 A. M. yesterday when their automobile ran off Willamette boulevard, near Columbia university, and plunged 40 feet down an embankment, where it stopped upside down on a ledge.

The injured were Fred Zastrow, 21, 410 East Fifty-eighth street North, driver of the auto, who was pinned under the car, suffering a compound fracture of the right arm, and his brother, Arthur Zastrow, 24, who was cut and bruised. Fred Zastrow was taken to St. Vincent's hospital.

The rain, which made it impossible to see the sharp turn in the boulevard, was blamed for the wreck. The automobile stopped after plunging 40 feet of the 200-foot drop to Mock's bottom and hit, nose down, wheels spinning in the air, on a projecting ledge.

The three men were employes of the Western Cooperage company and were driving home from work, Jewell having been invited to ride with the two Zastrows who lived in his neighborhood.

Jewell, who served 11 months in France in company A, 37th engineers, is survived by his parents, Mr. and Mrs. Leonard L. Jewell, 903 East Everett street, and by Clifford and Robert Jewell, brothers. He was a member of the American Legion, the Woodmen of the World and the Masons.

No inquest will be held. The coroner pronounced the accident unavoidable. According to Arthur Zastrow's story, his brother was not driving more than 15 miles an hour when the car left the road.

CERTIFICATION TIME UP

Secretary of State Sends Out Papers Regarding Candidates.

SALEM, Or., Oct. 3.—(Special.)—The time for certifying to the names of candidates, measures and amendments to go before the voters of Oregon at the general election November 7, expired here today. The certifications have been prepared by the secretary of state and were mailed tonight.

For governor there are two candidates, including Ben W. Olcott, incumbent and nominee of the republican party, and Walter Pierce, democrat.

For representative in the first congressional district W. C. Hawley, incumbent, received both the republican and democratic indorsements. In the second congressional district there are two candidates, N. J. Sinnott, republican and incumbent, and James Harvey Graham of Baker, democrat. C. N. McArthur, republican; Elton Watkins, democrat, and F. T. Johns and Robert G. Duncan, independents, are the contestants in the third congressional district.

VICTIM FELLED BY THUG

Olympia Man Knocked Down and Robbed of $67.

OLYMPIA, Wash., Oct. 3.—(Special.)—Knocked down and out by a blow on the head from the butt of a gun in the hands of a holdup man he attempted to resist, Earl Brassfield of this city was robbed of $67, he reported to the police.

Brassfield encountered the holdup man about half a block from his home about midnight last night. Instead of complying with the demand to "stick 'em up," Brassfield struck at the gun and attempted to grapple with his assailant. When he awoke later his head gave evidence of the encounter and his money was gone.

WAR DEBT CUT FAVORED

(Continued From First Page.)

nald McKenna of England will address the bankers on "Reparations and International Debts."

Having defined its attitude on foreign affairs, the convention tonight prepared to tackle an issue, which, according to leaders, promises to dominate the remaining sessions. This is the question of "branch banks," forcibly brought into the convention by bodies of "independents" representing four mid-western state bankers' organizations who have brought to a head their opposition to the further increase of such institutions on the ground that they tend to centralize capital and economic power.

Andrew J. Frame of Waukesha, Wis., appeared in the convention as the champion of the anti-branch bank element, which tonight was conceded to have gained considerable strength since the convention opened. The "pro" element was headed by Waldo Newcomer, an eastern banker.

Schedule Is Upset.

The importance of the issue today caused President McAdams to upset the schedule of the convention so that a resolution adopted by the anti-branch men may be put to a vote tomorrow. This resolution, drawn up last night after a caucus, follows:

"Resolved by the American Bankers' association, That we view with alarm the establishment of branch banking in the United States and the attempt to permit and legalize branch banking; that we hereby express our disapproval of branch banking in any form in our nation.

"Resolved, That we regard branch banking or the establishment of additional offices by banks as detrimental to the best interests of the people of the United States. Branch banking is contrary to public policy and violates the basic principle of our government, as it concentrates the credits of the nation and the power of money into the hands of a few."

The following officers were elected for the ensuing year by the savings bank division:

President, Samuel H. Beach, Rome, N. Y.; vice-president, Charles H. Deppe, Cincinnati; members of executive committee for term expiring 1925, Thomas F. Wallace, Minneapolis; John S. Broeksmit, Chicago; W. R. Morehouse, Los Angeles; member of executive committee for term expiring 1923, to fill vacancy, John H. Dexter, Cleveland.

Bonus Bonds Bring $4,887,000.

SALEM, Or., Oct. 3.—(Special.)—The state treasurer today received $4,887,000 derived through the sale of $5,000,00 of world war veterans' state aid bonds to Ladd & Tilton of Portland. The money received from the sale of these bonds already has been distributed among the various state depositories.

Halsey Woman Observes Birthday

HALSEY, Or., Oct. 3.—(Special.)—Mrs. Hugh Leeper of Halsey celebrated her 58th birthday Sunday at a surprise dinner party given by her ten brothers and sisters who were all present, besides about 35 other relatives and friends. Besides her husband and children, Mrs. L. W. Byerly and Alvia Leeper and families, her brothers and sisters present were: Mrs. Josie Clement, Tacoma, Wash.; H. C. Davis, Halsey; W. F. Davis, Brownsville; Mrs. Kate Smith, Harrisburg; L. T. Davis, Halsey; Mrs. Clara Nelson, Shedd; Mrs. Eltha Turner, Albany; Johnnie Davis, Brownsville; Mrs. Lela Shedd, Albany, and Charles Davis, Shedd. She received gifts and flowers. Mrs. Leeper was a daughter of the late Jonas Davis, a Linn county pioneer.