

AIR LINES UNITE FOR EXPERIMENT WITH HUGE PLANE

40-Passenger Ship to Be Built by Douglas Company for Tests in 1937—Top Speed 230 Miles Hr.

Executives of five major air lines today announced that a contract has been signed with the Douglas Aircraft company for the joint development of an experimental super-airliner to accommodate 40 passengers which is to be ready for tests in 1937 and for service, if accepted by the air lines, on the airways in 1938.

The lines joining in the financing and development of this experimental plane are: American Airlines, Eastern Air Lines, Pan American Airways, Transcontinental & Western Air and United Air Lines.

Notice of the signing of the contract was received here last night by L. G. Devaney, United Air Lines' station manager at the Medford airport.

This marks the first time major air lines have consolidated the experience of their engineers, pilots, technical and traffic advisers to develop an experimental plane to meet the needs of the future and obtain an air liner with sufficient carrying capacity to insure profitable operations.

Top Speed 230 M. P. H. Specifications call for a plane weighing 25 tons fully loaded, with a top speed of 230 miles an hour and a cruising speed of 193 miles an hour, using 60 per cent available power. The plane will have a wing span of 140 feet and an overall length of 85 feet and height of 20 feet. There will be four 1000-horsepower engines. The landing speed is not to exceed 65 miles an hour and the plane is to incorporate latest features of design, construction and navigation aids.

The passenger cabin will be 40 feet long and 10 feet wide and fitted with 20 upper and lower berths with separate dressing rooms for men and women. The plane is to be capable of carrying 20 passenger and two tons of express and mail on long distance flights and on shorter trips 40 pas-

PUFF FOR PRESIDENT'S SON



John Roosevelt (left), candidate for a role in Harvard's exclusive Hasty Pudding Club show, got some professional makeup pointers from Wallace Beery of the films in Beery's stage dressing room at Boston. (Associated Press Photo)

engers and cargo can be accommodated.

Significant Step

"This contract marks a highly significant step for advancement of commercial aviation," said Col. E. S. Gorrell, president of the Air Transport Association of America. "Unlike every other country, where heavy government subsidies are devoted to the development and advancement of air-transport aircraft, private enterprise in the United States, the individual operator, must carry this entire burden."

"Air passenger traffic has increased at a more rapid rate in the United States, more than anywhere else in the world, largely due to superior aircraft and operations methods. In the past five years passengers carried on domestic and foreign air lines under the American flag have increased from 385,000 in 1930 to nearly 1,000,000 in 1935.

"Study of traffic charts of these

air line networks indicate that the increased volume of traffic to be available in the next two years necessitates development of larger transport units.

Too Much For One Firm

"Faced with the problem of keeping air transport of this country in the lead, it is necessary to develop an airplane which will carry increased volume of passengers without a proportionate increase in operating cost over present equipment. This subject has received serious consideration of all operators in the field. The tremendous cost involved in the development of such an advanced aircraft, however, would be too great a financial burden for any one individual operator.

"Approximately half a million dollars will be required for the one complete experimental airplane. If each of the five air lines had separately undertaken development of such an airplane it would have meant an additional expense to the air line of approximately \$2,000,000, the cost of four additional experimental airplanes. It is apparent that even if five experimental airplanes had been started simultaneously, the performance, as shown by the plans of different manufacturers, would have been substantially the same."

Air line officials indicated the present ten and fourteen-passenger transporters, while more than adequate for today's traffic, will not economically care for the business in prospect for 1938 when the four-engine type plane will be in service, if it meets specifications.

HAZLETT SEEKS POST OF ATTORNEY-GENERAL

HOOD RIVER, March 20.—(AP)—Reports here today said James H. Hazlett, state senator from Hood River and Wasco counties and former state representative, probably will become a candidate for the Democratic nomination for attorney-general. Hazlett has practiced law here for 20 years.

5 Midget Photos 15c. PEASLEYS. Use Mail Tribune want ads.

MADRIGAL CLUB OF LEGION AUXILIARY TO GIVE CONCERT

The Madrigal club is to give its first recital Tuesday evening, March 24, at the Baldwin Piano Shoppe on West Main street. All interested are extended a cordial invitation to be present. There is to be no charge or collection. The concert begins at 8 o'clock.

The Madrigal club was organized by Medford unit No. 15 of the American Legion auxiliary, November, 1934. Each year each unit of the American Legion auxiliary endeavors to do some community service work. Medford unit in November, 1934, when its new auxiliary year began, decided to sponsor a chorus as it seemed as though the great need of some such organization made it a community betterment project. Any woman able to read music is eligible for the organization.

During 1934 and up to the summer of 1935, the American Legion auxiliary of Medford bought the music for the Madrigal club. Since that time the club has been self-supporting and a steady increase in interest has made it a project to be proud of. Mrs. Elsie Carlton Brown is director and Miss Genevieve Strang accompanist.

The aim of the club is to provide the women of southern Oregon with a choral club open to any woman interested in music and wishing to join a group that has music at heart.

WOMAN CONVICTED IN BABY DOLL CASE

DORCHESTER, N.B., Mar. 20.—(AP)—New Brunswick's celebrated "doll baby" case brought Mrs. May Bannister, convicted of harboring a kidnapped child, face to face today with a possible maximum sentence of three and one-half years imprisonment.

A jury of twelve men found the woman guilty last night of this charge, but decided her innocent of two more serious charges—the actual kidnaping of Betty Ann Lake and taking the child unlawfully with intent to deprive the parents. She will be sentenced later.

The blue-eyed doll which figured in the case was tucked away and the baby it resembled reared in the care of welfare workers as a 12-day lapse began in the series of three trials arising from the backwoods kidnaping and slayings.

Mrs. Bannister's 19-year-old son, Arthur, awaits a mandatory death sentence upon conviction of murdering the kidnaped baby's father, Philip Lake.

HAWLEY PAPER FIRM CUTS LOSS IN 1935

SAN FRANCISCO, March 20.—(AP)—Hawley Pulp & Paper company's net loss declined to \$227,493 in 1935 from \$233,068 in 1934, the independently audited annual report showed today.

Funding debt was reduced to \$1,694,500 from \$1,957,500. Increasing costs, Watson Eastman, president, said, dim hopes of improvement this year.

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Swallows Appear On Schedule At Ancient Mission

SAN JUAN CAPISTRANO, Calif., March 20.—(AP)—The swallows winged wanderers of Mission San Juan Capistrano, came home on Thursday to the adobe walls that have received them on March 19, St. Joseph's day, for 70 years.

As long as the oldest inhabitant of this little mission town can remember, the swallows have flown away on San Juan day, October 23, and flown back to the eaves of the old church on March 19.

Slightly ahead of "schedule" several hundred of the graceful birds came in from the western sky Wednesday night, nesting in a walnut grove before starting to dispossess a flock of yellow-tailed sparrows from the nests they left last fall.

Observers said that about 1,500 swallows moved from the grove to the mission at dawn.

KIWANIS BALLET HAS 'DAINTY' CAST

Truck horses coveting in a sprint race, a football tackle dancing daintily when he should be hiking straight forward, a crooner trying to sing a complicated aria from grand opera—would be ridiculous, and laughable.

The square-dance number in the forthcoming production of the "Gay 90's," community play being sponsored by the Kiwanis club, is expected to be laughable, with such light footed "chirries" doing the do-de-do as "Miss" Jim Hoey, "Miss" Bill Bowerman, "Miss" Ward Beeny and "Miss" Bill Bolger. These blushing damsels will demonstrate the square dance as she should be danced.

Sturdy volunteers who will steer these truck horses through the ins and outs of the terpsichorean Roman holiday will be Moore Hamilton, Marjorie Olson, Bill Jarmin and Bill Holmway.

Since none of the eight ever saw a square dance, let alone danced one, the number is expected to be a highlight of the production.

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WEST IS LEADER IN COOPERATIVES

SAN FRANCISCO (UP)—California farm co-operatives are serving as models for the rest of the United States, according to President E. A. Stokdyk, of the Farm Credit Administration's bank for the 11th district.

In this district, comprising California, Nevada, Utah and Arizona, nearly \$5,000,000 worth of loans have been made to 101 purchasing and marketing co-operatives.

Nearly all of the farmer co-operatives in the west, Stokdyk declares, have established such confidence in their grower-members that they now dominate the production field in which they operate.

At a conference of the presidents of the 12 farm credit banks in the United States, it developed that the California system of farmer co-operatives is being copied in many other sections of the country.

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DROUGHTS IN U. S. SEEN CONTINUING FOR THREE YEARS

SAN MARINO, Cal. (UP)—The disastrous droughts of the past few years may be expected to continue until about 1939, if the "weather cycle" theory holds true.

After that, for a period of 10 or 20 years, they will become less frequent and less severe.

Finally, with the return of a normal cycle of molting, American farmers can hope to have complete relief from drought for a period of 150 years or more.

These are the conclusions of Halbert P. Gillette, who after years of scientific study of the "weather cycle" has presented his findings to the American Meteorological society.

Gillette's final conclusions of the existence of weather cycles were based upon intensive studies of the tree-ring thickness of the giant Sequoias in California and the Arizona pine. Other contributing elements were found in the study of the annual silt layers, or varves, of ancient glacial lakes, and the time intervals between recession moraines deposited in the last ice age.

In his ten-year study of weather cycles, Gillette has become convinced that all great wars and migrations are caused by climatic conditions. Italy's present war in Ethiopia, for example, he believes is the direct result of the fact that Italy has suffered the past few years from droughts the same as the United States.

In his further research of the question of weather cycles, Gillette believes he has established the crest of the last great ice age which he places at 18,300 years, B. C. This, he says, was followed by a warm dry crest about 3,300 B. C., and there will be another ice age crest about 10,300 A. D., according to his computations.

Gillette, who was born in Waverly, Iowa, was graduated from Columbia university, and followed the profession of mining engineers until he retired 10 years ago.

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CLOUDS OF STAR DUST FOUND IN MILKY WAY

CAMBRIDGE, Mass., March 20.—(AP)—Harvard college observatory announced today discovery of three gigantic clouds of star dust in the

milky way, several hundred light-years from earth and hundreds of times larger than the solar system.

They are called Planetary Nebulae and, viewed through a telescope, each appears as a luminous ring surrounding a brilliant nucleus star. They were found by Mrs. Muriel M. Seyfert, research assistant, on photographs made at Bloemfontein, South Africa.

Every watch repaired here is given the micrometer test. Jno. W. Johnson.

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