

800 BUILD NEW NAVY DIRIGIBLE

Aircraft Daring Graf Zepelin Prepared for Flight in June — First to Do Without Goldbeaters Skin for Gas Cells.

By Oscar Leiding, Associated Press Aviation Editor, AKRON, O.—A monster skeleton of metal girders is getting "dressed up" to go places as the world's largest and fastest airship. Near midsummer it is scheduled to "join the navy and see the

world" as the first of two super-dirigibles to reign as queens of the skies. Eight hundred workmen at the Goodyear-Zeppelin plant, half of them making parts and the others putting them in place, are breathing life into the inert mass of fabric and metal. A major bit of work now begun is clothing the skeleton lattice-work with a cotton dress, a covering fashioned from fabric panels nearly eight feet square. Aluminum Over All. The squares are being laid out on a table where the sections come together. Where the sections meet, narrow strips of tape will be used to make the entire covering smooth. Over all will go coatings of "dope" and aluminum powder. These will shrink the fabric slightly against the framework, making a smooth surface to lessen wind resistance and reflect the sun's rays that might deteriorate the covering and cause the interior lifting gases to expand. The dirigible will be the first in history with gas cells not fashioned from gold-beaters' skin. Of the 12 huge cells which will house the lifting gas—helium—half are of rubberized fabric and half of a gelatin latex developed by Goodyear scientists. Motor Cars in Ship. These cells are being fashioned in the balloon room at the dock.

Ten will be installed between the main ring girders, which stand 7 1/2 feet apart. One will fit between the front ring and the nose of the ship, while a cone-shaped cell will go in the tapering tail. Motor cars are being built in the ship, and the eight engines, now being tested, later will be fitted in place. The framework is complete except for the tail surfaces by which the ship will be controlled. They will be hoisted in place when complete. In dressing the skeleton a T-shaped opening will be left under a storage compartment, which will hold five completely assembled airplanes. The compartment will be fitted with collapsible doors, through which the planes can be lowered for flight or hoisted for interior storage. The dirigible, named the Akron, is scheduled to be completed near the middle of June. It will have a gas volume of 5,500,000 cubic feet, nearly twice that of the Graf Zeppelin. The builders expect that nearly a month will be spent in preliminary flights before the ship will be turned over to the navy for approval. Portland—Morris H. Whitehouse and associates to draw plans for \$2,000,000 federal building of this city.

THEY HAVEN'T GIVEN UP HOPE



The mother and sister of Mrs. Beryl Hart, who is being held by Lieutenant MacLaren in the flight of the plane Trade Wind from Bermuda to the Azores, still have hope that the fliers were picked up by a boat without a radio. Mrs. Georgia Gwynne (left), and Mrs. Cora Mansfield are shown at their home in New York.

PLUCKY GIRL SETS HURDLING RECORD

SYDNEY—(AP) Clarice Kennedy, Australia's greatest girl athlete, has finished with competition short. In her last race she established a new Australian record of 14 1/2 seconds for the 50 yard hurdles. But there is more to the record than appears in the books. From the fifth hurdle on she ran with a broken knee cap. As the girl skinned over the fifth barrier a sharp cracking sound was heard. She set her jaw and ran on. She fell to the ground just after reaching the tape. An X-ray told the story. N. Y. Leads in Airports. WASHINGTON, D. C.—New York state has more money invested in airports than any other state, a survey by the department of commerce reveals. It leads with \$19,590,000; Michigan is second with \$14,892,200; and California third, with \$12,165,000. Denny Daisy Release. LOS ANGELES, Feb. 19.—(AP)—Tollene of Daisy Deffen on full pending outcome of an appeal for a new trial of the charge that she stole \$25 from the actress, Clara Bow, was denied by Judge William Darian today. Old Hotel Burns. JERREBSON CITY, Mo., Feb. 19.—(AP)—One man was turned to death and 199 guests were routed from their rooms today when fire

destroyed a wing of the historic New Madison hotel, across the street from the Governor's mansion. Everett and Lester Porter of Lebanon. "No Surrender on Marriage," asserts The Literary Digest, Heck, no, that's when they've just begun to fight.—Ohio State Journal.

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CULLS OF HERD POCKOCK SHELLS CURBING PROFIT READY TO OPEN FOR DAIRYMEN RIVER CLASSIC

Wise Farmer Makes Careful Analysis of Production Costs, Says College Dairy Expert.

OREGON STATE COLLEGE, Corvallis.—(Special.)—If the poorest dairy cow out of every 20 in Oregon and throughout the United States were culled out, the result would be more profits from those that are left, according to the dairy section of the 1931 agricultural outlook report just released here through L. H. Brethaupt, extension economist. The number of milk cows in the northwest and the United States is now about 5 per cent greater than during the peak prices of 1929, the report shows. The forecast is not so optimistic as to hope for any such uniform culling, however. In fact, it points out that culling operations are likely to be delayed unless other farm enterprises become more profitable than dairying is even under its present handicaps. Analysis Needed. Commenting on this outlook, T. M. Brandt, chief in dairying here, says that for the individual dairyman a careful analysis of production costs is of greater importance than ever. Quite a number of Oregon dairymen have already reduced their costs until now they are able to show some profit even under present reduced prices. Even though the whole country does not cull out the poor cows, Brandt believes that the wise dairyman will do it in his own herd, for the largest single factor in cost is the yield per cow. For the same reasons, expansion of dairy herd improvement associations and disease control are important now. Any expansion in the dairy industry in Oregon now had best be confined to localities where production costs are most favorable. The 1931 outlook report is being issued in mimeograph form this year, and parts of it have already been distributed to county agents, where they may be obtained free, or they will be sent direct from the college on request. The first section issued deals with all the livestock enterprises, including chickens, turkeys, beef, hogs, sheep and wool, mohair and dairying.

Little Stories of Little Stars Genevieve Tobin One of the new comets of Hollywood is Genevieve Tobin, who in her first picture, "A Lady Surrendered," scored a hit—and in her third will be starred. A professional actress since she was ten, Miss Tobin was a star in New York and London before coming to Hollywood. She has a sister, Vivian Tobin, on Broadway. Genevieve, a blond, plays the harp and piano, has sung and danced in musical shows as well as acted in dramas. Gold Beach—A \$500,000 reinforced concrete bridge is now under construction across Rogue river here on Oregon coast highway.

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Boats for Princeton, Harvard and Many Others Nearing Completion by Master Builder.

SEATTLE—(AP) Out on the campus of the University of Washington the majority of the long, slim, sleek racing shells which next June will compete in the annual rowing classic of the country on the Hudson river, are lined up ready to go. They are in the process of construction in the boat shop of George Pocock, the famous shell builder. Boats for Princeton, Harvard, Columbia, Syracuse, Cornell, California, and Washington are on the forms or racks in the shop above the Washington row house. The last five annually compete in the national regatta. Pocock said it was not improbable that Pennsylvania and Wisconsin, two other Hudson river contestants, will later place orders. Pocock has been their shell builder for several years. Brother Also Builds. In reality, the Pocock shop has no built racing shells to all but two of the leading crew institutions of the country—Yale and Navy. And at Yale Ed Leader's shells are built by Dick Pocock, brother of George who makes boats exclusively for Old Eli. It is quite likely that one of the beautiful craft now being constructed will be the shell that carries the winning crew at Poughkeepsie. Cornell, California, Syracuse, Columbia and Washington make up five of the nine varsity entries for the Hudson river feature and all are potentially a prospect to win. When the craft are sent their many ways from Seattle they will meet again when they are launched next June in the waters of the Hudson when the final and greatest struggle of the intercollegiate season will be staged. Glider Maker Killed. ROOSEVELT FIELD, N. Y., Feb. 19.—(AP)—While gliding 50 feet above the automobile which was towing it, the mystery glider designed by Henry Davis, nose-dived to death here early today, killing its maker and slightly injuring the co-pilot, Carl Nelson.

Another space mystery that Einstein might investigate is the limits between what and bread prices.—Virginia Pilot. Tree specimens found 120 feet below the surface in Seattle, Wn., have been identified as coast redwood estimated to be 40,000 years old. Mable Rosenbloom, the little clown who holds the light heavyweight championship, at least is willing to entertain. Mable did a radio tap dance at midnight from a New York studio recently.

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32x6.00	9.90	19.20

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30x4.50	7.48	14.50	30x3 1/2 CL OS	4.48
28x4.75	7.95	15.42	30x3 1/2 SS OS	5.95
30x5.00	8.45	16.40	31x4 SS OS	7.67
31x5.25	10.25	19.90	32x4 SS OS	7.98
32x6.00	11.50	22.30	33x4 SS OS	8.95
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