By WADE WERNER BERLIN .- (AP)-Exploration of the stratosphere, that practi-cally frictionless sky-highway of the future, is the dream of scientists experimenting in various parts of Germany with rockets, super-altitude airplanes and propulsion motors.

The success of Auguste Piccard, Swiss physicist of the University of Brussels, in ascendig nearly 10 miles in a balloon has fired them to fresh efforts.

ome of the Germans are seeking first of all scientific data on the nature of the earth's outermost layer of atmosphere.

Others are aiming at 10-milehigh rocket planes that would. theoretically, go around the world in 90 minutes.

Plan "Mail Rockets"

Still others are interested chiefly in rockets as a means of shooting mail from city to city, while those with an eye to military uses are thinking of radio directed rockets as a defense against air raids.

While Piccard was attaching his airtight aluminum ball to his big balloon at Augsburg the Junkers aircraft works at Dessau has been building a super-altitude airplane, with a cabin as airtight as Piccard's spherical "basket" HILLIG'S TAKEOFF plying oxygen to the plane's crew in the highly rarefied atmosphere 10 miles up.

This plane is not expected to do any high speed trans-Atlantic flying, but the data obtained with it will, it is hoped, lay the groundwork for high speed flights through the stratosphere.

Particularly interesting in conection with the Junkers plane, though not directly connected with if, are the rocket-motor experiments of Paul Heylandt.

With Max Valler, another pioneer rocket experimenter, Heylandt last year developed a sevenpound rocket motor capable of propelling an automobile at high

Valler was killed by a motor explosion, but Heylandt has continued the experiments and lately announced develo, ment of 200 h. p. with a rocket motor weighing but 15 pounds.

"Shotgun Motor"

This motor looks as simple as a shotgun. Its propulsive force is the recoil resulting from explo- to take off. sion of liquid oxygen and gasocalled the "muzzle" of the motor. Heylandt proposes to keep his rocket-motor on an automobile chassis until he has developed it line, ignited at what might be



CRASHES

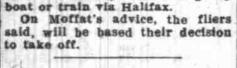
Taking off from Abilene, Tex., in the autogyro in which she made her trans-continental flight, Amelia Earhart, famous trans-Atlantic Earhart, famous trans-Atlantic aviatrix, crashed when the ma-chine, failing to gain altitude, struck two automobiles parked on the edge of the flying field. Miss Earhart was only slightly injured but the autogyro was badly damaged. Above photo shows the aviatrix in the craft as she ap-peared on her arrival in Los An-geles after completing the first coast-to-coast flight in a windmill



ST. JOHN. N. B., June 20 -(AP)-Otto Hillig, Liberty, N. Y., photographer and his pflot, Holger Hoirlis, who will attempt a flight to Denmark, were still on today.

There was little possibility they would take off in their Bellanca monoplane "Liberty," specially constructed by Hillig for the At- an old French professor. lantic crossing, before early tomorrow, weather permitting.

Final adjustments to the ship will be made tomorrow morning by Bob Moffat, New York air en-Grace tomorrow morning to look speak, over the Liberty. He will go by



New Political Fray By ADELAIDE KERR PARIS-(AP)-The future battle for which Aristide Briand is believed to be polishing his political aword is awaited by France with keen interest.

> French foreign minister's defeat in Salem. for the presidency was the most staggering blow his prestige has ever received in a career full of

hem After his defeat Briand offered his resignation as foreign

but, in reality, had worked her home on Court street,

His enemies said his defeat was France's way of expressing her disapproval of his foreign policies—"ble sportfloor of bis foreign colleies-"his sacrifice of French interests to retain European peace."

Neutrals asserted that he failed of election because he faced a vote without a chance to "use his silver tongue." For the first time,

they pointed out, Briand, at a crisis, couldn't make a speech.

Another Chance One June 14, however, he will have a chance to speak again. Then he will address French war

veterans of the Department of Lot at Gourdon. "And then," says the oldtimers, "watch the fireworks!"

Briand's speeches have long been the terror of his enemies. He never makes note. He prepares his set speeches several weeks in advance, turns his back the ground at an airport here late on them, and depends on his crowd sense and the memory

which he sharpened in his youth by learning his lessons while pacing the sands of Brittany with

He comes into the chamber with his slow, lumbering gait, stoop-shouldered, tousle-haired, lowering-browed. He has the curiously defeated air of a broken gineer. Moffat will go to Harbor old mastiff-until he starts to

> He begins in a deep measured voice, drops to a confidential whisper, explodes at the end like a eartridge-and the victory is in

the bag. "Man of People" Briand hates big words, laborlous systems, ostentation. He dreads official receptions and

welcoming bands as a small boy dreads the dentist. Born a peas-

ant, he remains a "man of the

Since his young lawyer days,

Mrs. George H. Alden, Miss Le-lia Johnson and Miss Lois Latimer she will enter the University of and Dean and Mrs. Roy Hewitt Oregon summer session. will sail Wednesday from Seattle

on the Arizone Maru for a threemonths tour of the Orient with the Upon Close party. The Salem travelers will leave the first of the week for Seattle.

The OREGON STATESMAN, Salem, Oregon, Sunday Morning, June 21, 1931

Mr. and Mrs. J. C. Tibbits an-nounce the betrothal of their daughter, Miss Ruth Tibbits, to Fred J. Tooze, Jr., son of Fred J. Tooze, Sr. No date has been set for the wedding. Beth Miss Tib-E. Bragg, Politicians agree that the bits and Mr. Tooze are prominent

Miss Ruth Briedwell, who has been a guest in Amity for the past knocks. But the warrior who bat- few days, will accompany her tles for peace has other arrows in grandmother, Mrs. J. B. Briedwell, his quiver, they declare, and si-lence means he is sharpening joy a beach outing for several weeks.

. . . Mrs. Breyman Boise, who unminister because he believed he derwent a major operation at the the Archaeological museum had been betrayed by politicians Salem General hospital recently, Georgia. who had promised to support him is again greeting her friends at

Mrs. Rose Babcock and Miss Bertha Babcock have returned to

Mr. and Mrs. Wallace Carson motored to Portland Saturday to spend the week end with Mrs. Carson's parents, Mr. and Mrs. B. . . .

Miss Edith Sampson arrived in Salem Saturday morning from Portland to spend the week end with her parents, Mr. and Mrs. R. Sampson, on the Silverton road.

TIFLIS, U. S. S. R.-(AP)-A peasant whose plow turned up a troubled nation the way out of its gem-studded ancient crown in a Transcaucasian field turned in his \$50,000 find and it went to

of

A shoulder injury is likely to charge.

Politicians, Bankers Fail But Seligman Hopes

To Assist Cuba

By J. R. BRACKETT NEW YORK (AP)-Dr. Edwin R. A. Seligman, an economist, has been given a problem that politi-cians and bankers have not solv-

The problem, in four letters, is Cuba.

Internationally famous for his this 70-year old Columbia profes-

financial dilemma. Carl Shoup, Dr. Seligman's as-sistant, has arrived in Cuba to "Certainly, what

nance, a member of President Hoover's unemployment confer-ence, a member of President have our obligations." ence, a member of President Roosevelt's statistical organization commission in 1908, and has aided New York City and state Asphalt Hauling

several times. "Cuba, like other nations, has spent more than she can afford, has incurred large debts that are A contract for the hauling of asphalt between Portland and the

difficult to pay in a period of de-pression," Dr. Seligman says. "Cuba's debt is well over \$200,-

"Cuba's tax system probably is antiquated. Tax systems must change in accordance with modern developments."

Sugar Plan a Help Dr. Seligman regards the Chadbourne sugar restriction plan as a first step in the alleviation of a

ad economic condition. The Chadbourne plan aims to restrict the amount of sales and tons on each trip.

new. exportation over a period of authoritative writing and practi- five years, and to sell the present authoritative writing and practi-cal work in governmental finance, world surplus equably during that Playgrounds to period.

sor plans soon to embark for Cu-ba; there to indicate to that sale of sugar, but it does not account for basic production nor the reduction of production costs,"

"Certainly, whatever is done, spend three months directing a America should realize more fully

things under our military admin-

All instructors in the two playgrounds in Salem are to m 10 a. m. tomorrow for a final conference before work begins at 1 p. m. Every young person of the

Sunday for ten weeks, Mrs. Race

The economist has been expert istration of the island; not so Wolgamott is the director to the League of Nations on fi- many under our civil administra- charge.

League of Nations Expert

The Price Shoe Co.'s Third SHOE SALE **Continues All This Week**

> Included in this sale are Archpreserver shoes for both men and women. Hanan shoes for men, J & K, Rice-O'Neil, and Johansen's for ladies; Edwards' for children; Boy Scout shoes and Girl Scout shoes, both white and smoked; Men's Marion shoes, and a large range of men's and women's golf shoes, and dozens of other nationally known makes of men's and women's shoes at prices that will force them out guickly.

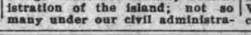
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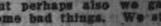
next lowest bidder was \$1.70 4 ton. The county estimates its own costs for the job would be \$2 a

Janzen plans to make two trips a day from Portland, hauling six

Open on Monday

provisional survey. Later Dr. her obligations to Cuba and Cuba city is welcome to take part in Seligman himself plans to take in furn her obligations to us. the playground activities which "We gave Guba many good will be carried on each day except





Contract - Let

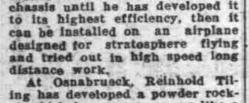
county's paving plant at Silvar-ton was let yesterday to Peter

Janzen. He agrees to furnish the needed trucks and to transport

the asphalt for \$1.45 a ton. The

To Peter Janzen

PAGE SEVEN



a sailplane.

Another experimenter, Johan- eal expert said today. nes Winkler, has demonstrated at Dessau a liquid fuel rocket so easily controlable that its landing vances, he said, will bring wheat point can be calculated with absolute exactness.

In Berlin the space-flying enthusiasts have established a 'rocket airport" where experiments with seven-foot rockets are University of Idaho, is attempting being carried on."

With the American, Robert wheat for the northwest. Goddard, backed by the Guggen-helm fund experimenting in the United States, with another American, Darwin O. Lyon, attacking the problem in Italy and with scientists in France and Russia also actively interested, there

is always a chance that Germany

may be only an onlooker when ule includes 20 games in the newthe first successful rocket zoems ly organized Dixie baseball leathrough the stratesphere. gue, and two outside.

"RADIO ORGAN'S" INNARDS

when he spread socialistic prop-aganda and defended labor un-MOSCOW, Idaho, June 20 --(AP)-Wheat farmers should not et which he says can go up like a be discouraged - their crop is discuss their problems first hand. bullet and glide back to earth like not doomed as a basic farm product, Dr. Victor H. Florell, cer-

pression

for the team this year.

over" first. Better farming methods, lower That is the tack he used in conproduction costs and other adferences preceding the Treaty of Locarno and the Kellogg-Briand back to its old position, but until pact, and more recently in introthen, he warned, improvements ducing his scheme for an Euromust go on despite economic depean confederation.

people."

He dislikes the atmosphere of Dr. Florell, assigned to the conference rooms because he be-Heves it is impossible to break to develop a particular type of down barriers of fear and suspicion there.

Briand has been known to Fourteen lettermen from the seize the birthday of a delegate's wife as the chance for a "get-to-University of Kentucky track team of 1930 will be available gether" party before a conference.

He surrounds his guests with goed food, good talk, gets them Auburn's 1931 baseball schedrelaxed and off their guard-and lets human nature do the rest.

June 30 Final

Your Opportunity to Buy Quality Shoes and Save



n Richard H. Ranger, inventor of devices for sending pelets, is shown examining the many mechanisms which

Motor vehicles operating after June 30 will be required to have new license plates, according to announcement made Saturday by Hal E. Hoss, secretary of state. A conference has been called for next Tuesday in Portland. when Sheriff Hurlburt, Chief of Police Jenkins, Captain Irvine of the Portland traffic squad, and Mr. Hoss will outline plans for enforcement of the license code, The new license period extends from July 1, 1931, to June 30,

Ochoco Project Finances + be **Discussed** Here

The state reclamation commis-sion will meet here Monday with a committee of the Ochoco irri-gation district, in connection with the issuance of refunding bonds necessary for the proper financing of the project.

of the project. A meeting of the state land hoard will be held Tuesday or Wednesday, when action will be taken toward disposing of Ore-gon's three model farms. These farms are located at Roseburg. In-dependence and in the Ochoco fr-rigation district.

Hawley Says He Will Run Again

Congressman W. C. Hawley announced in Astoria on Satur-day that he would be a candidate to succeed himself at the primar-ies to be held next May. He thus answered a rumor that was a⁺-coad in Astoria that he would not be a candidate for office again. Hawley is said to have

poncert or even a symphony. Strangely enough the sounds may not be heard by the player if he does not care to turn on his receiver. Saptain Ranger developed his remarkable "wender organ" in Newark, N. J. reported that he found sentiment favorable on his recent trips about the state to his nomination and election.

