

BERLIN TO NEW YORK IN ONE HOUR!

New Rocket Motor, Successful in Auto, May Propel Airplanes at Twice the Speed of Bullet Fired From Rifle Muzzle.

EDITOR'S NOTE: The recent successful test of a rocket-propelled auto near Berlin has turned world-wide attention on the new rocket motor, primarily intended for use in airplanes. Israel Klein, science editor of NEA Service, here tells what the future may hold.

BY ISRAEL KLEIN
Science Editor, NEA Service.
CLEVELAND, O., June 12.—Think of flying from Berlin to New York, a distance of 4000 miles, in an hour.

Of sailing through rarified air at a maximum speed of 4500 miles an hour.

Of reaching a height of 31 miles above the earth's surface.

And you have the future picture, according to present predictions, of the rocket-propelled airplane this is even now in the first stage of construction.

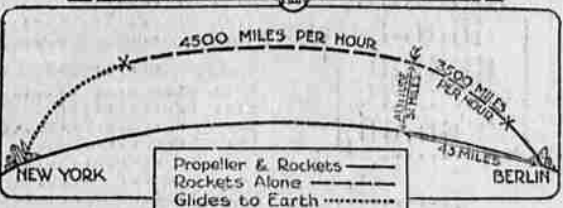
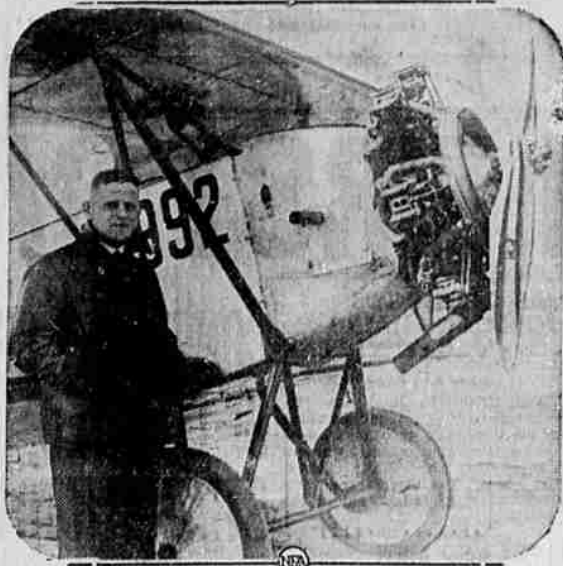
The rocket plane is the ultimate goal of the builders of a motor that is propelled by a series of rocket explosions similar to those of a rocket pinwheel shooting into the air. It has just been applied near Berlin to an automobile which attained a speed of 125 miles an hour within 45 seconds of its start, and which may attain a speed far greater than ever reached by man in such a vehicle.

This is the unique idea of Fritz von Opel, a German auto racing champion, who has been collaborating with the German airplane and motor builders, Raab and Katzenstein, in the construction of his rocket motor and its application first to automobiles and ultimately to airplanes.

Revolutionary as this might sound, however, it is taken seriously not only by von Opel and his co-workers, but by several European scientists, who have long been contemplating a similar idea. In fact, the Russian soviet government, it is said, has appropriated \$250,000 to finance a Moscow scientist for experiments of this kind.

The idea of attaining excessive speeds and great heights, beyond the capabilities of present engines, has forced experimenters to entertain the principle of a rocket motor. This would be a motor that would force a body outward from the earth at a tremendous

THE ROCKET AIRPLANE



Here is a light experimental model of the new rocket-propelled airplane to be tried in Germany, using a rocket motor similar to the one with which an auto recently attained a speed of 125 miles an hour within 45 seconds. The diagram shows how such a plane would fly at high altitudes from Berlin to New York.

speed, much as an explosion does to a fireworks rocket.

It is believed this is the principle of the German rocket-motor, although the inventors are reticent about the matter. Max Val-

ter, the Munich inventor, has long been figuring on this type of motor to propel an airplane almost at lightning speed across the Atlantic.

At the beginning of such a trip, says Valter, the rocket airplane would have to contend with the resistance of the atmosphere and therefore could be aided in its initial progress by a pair of propellers.

Shooting up into the air at an angle of 70 degrees, however, the rocket airplane could reach a height of nine miles in less than a minute. At this height, the atmosphere would be so rare as to make the propeller practically worthless as a means of pulling the plane along and the ship would have to depend entirely for its further progress on the series of explosions of rockets in this peculiar motor.

The extremely thin air, however, would relieve the ship of so much resistance that it could attain a speed of 4500 miles an hour in a few seconds.

At a height of 31 miles above the earth, almost eight times the altitude actually attained by man, Valter figures the airplane could continue to go on an even keel parallel with the earth at a speed of 4500 miles an hour.

A bullet fired from a rifle would go only half as fast!

The rocket ship could reach this altitude at a distance of only 43 miles from its source and in a minute and 40 seconds.

In less than an hour the ocean could be crossed, and the plane could glide slowly down to earth. The gliding process would take longer than the actual flight.

The fact that human beings can't live in so rarified atmosphere as that which exists 31 miles above the earth, doesn't bother the advocates of the rocket airplane. They explain that the ship could have an airtight cabin for both pilot and passengers, in which the oxygen content will always remain the same as that on the earth's surface.

The passenger therefore would feel no ill effects of mounting to so great a height.

Additional oxygen tanks might also carry oxygen for combustion of the rockets in the thin air of the

damaging freezes in that section this year.

Berries
Strawberry acreage shows considerable increase in some localities but not in others. Due to the wet weather of April many fields did not get proper cultivation, which combined with the lack of May rainfall, will reduce the total production considerably below that of 1927. Prices for barrelling berries are considerably below last year.

Raspberries show the effect of delayed spring cultivation. There appears to have been some decrease in loganberry acreage, but no material change in the raspberry acreage. With favorable weather the production of both these fruits should not differ greatly from that of last year.

Cherries
The western Oregon crop is quite "spotted," but the production will probably be slightly less than last year. The eastern Oregon crop will be more than double that of last year, as there have been no severe

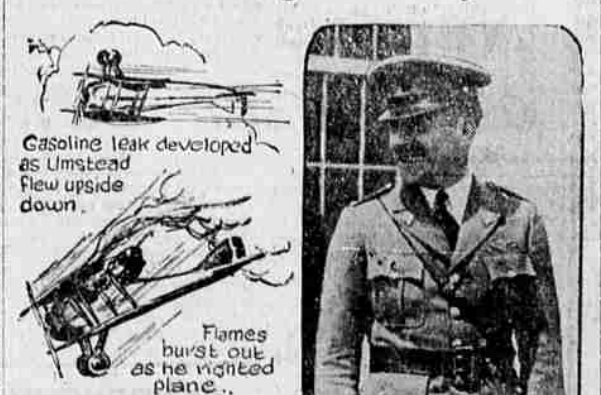
POOR WEATHER IN APRIL DAMAGES ALL FRUIT CROPS

All fruits were more or less affected by the unfavorable April weather, particularly in the Willamette valley, according to the monthly report of the U. S. Department of Agriculture. Cultivation was delayed with all fruits and the earlier kinds such as cherries, prunes and pears, suffered from unfavorable weather conditions at blooming time. Rain and wind interfered with early spraying in nearly all fruit districts, and fungus troubles have been more numerous than usual.

Apples
Present prospects are for a crop closely approximating the crop of 1924. Production per tree will probably equal that of 1926 but since considerable apple acreage has been eliminated since 1926 the total production will be correspondingly less. The Hood River crop is expected to be about three times that of last year, but some what less than in 1926. Unatilla, Union and Malheur counties give promise of a production greater than in 1926, and the Rogue river district will probably about equal the production of two years ago.

Prunes
The cold wet weather prevailing during April while prune trees were in bloom in western Oregon was disastrous to the 1928 prune crop. There is perhaps 50 per cent of a normal crop of Prunes but the acreage of Prunes and other sweet prunes is only a small per cent of the total prune acreage. There are many Italian prune orchards with practically no fruit on the trees, while a few orchards appear to have about 25 per cent of a normal crop. There are doubtless a few orchards on favored locations carrying higher percentages, but it does not seem probable that the average production in western

How Airman Dodged Death by an Inch



Gasoline leak developed as Umstead flew upside down.

Flames burst out as he righted plane.

Parachute jerked him to safety after he struggled vainly to jump.

Flames—a diving plane—escape by parachute—these storied elements of near-tragic air drama came home with keenest vividness to Lieutenant Stanley Umstead, army aviator, when he cheated death at Mitchell Field, Long Island. His close call is sketched by artist George Clark above. Flying upside down, Umstead felt drops of gasoline hitting his face. Swiftly he righted his plane—but flames burst from the motor, scorching him. Because of fire and smoke he couldn't reach his fire extinguisher. The plane dove earthward. Umstead tried to jump. He couldn't. The "harness" of his parachute had caught in the cockpit. Desperately, Umstead pulled the "rip-cord." The parachute bloomed out behind him. He was jerked from his seat. The tail of the plane narrowly missed him as it shot by. Umstead floated safely down. The burning plane crashed a short distance away.

LIEUT. STANLEY UMSTEAD

Her Divorce Suit Caused Slaying



The divorce suit of Mrs. Philip Clark (above) of Pittsburgh, Pa., was the cause of the recent killing of her former husband by F. J. Tyrrell, Sunday school superintendent. Clark was shot to death in a Pittsburgh church, where he went to appear before a church board and charge Tyrrell with breaking up his home. Mrs. Clark said that Attorney Tyrrell had merely filed her suit for divorce.

NEW GAS RATES EXPECTED TO ADD MORE BUSINESS

The decision to apply to the Public Service Commission for a reduction in gas rates for the benefit of consumers using gas for cooking purposes, was reached only after a careful study of the future possibilities of Roseburg and other cities in southern Oregon, which are served by the Southern Oregon Gas corporation, according to M. R. Brown, the local manager.

The Southern Oregon Gas Corporation, which is managed by the Loveland Engineers, Incorporated, recently acquired the holdings of the Southern Oregon Gas company, and immediately petitioned for reduced rates in the territory served.

"Frankly, the operations of the former company were conducted at a substantial loss during the past three years or more," Mr. Brown says, "and in making this rate reduction we are simply further increasing our losses. It is our firm conviction, however, that the new rates will encourage the increased use of gas and will also bring to our lines a large number of new consumers. It is the policy of our organization to take the public into its confidence; we are a definite part of Roseburg and we propose to become a more important factor in the future building up of the city and of our own business."

"It should be understood that the reduction applies only to those of our consumers who are using gas for cooking purposes only; the rates charged for a large number of other schedules are already considerably below those charged in other communities of similar size."

FIREBUG IN PORTLAND

(Associated Press Leased Wire)
PORTLAND, Ore., June 12.—Fire in a vacant flat building on Halladay avenue today was declared by fire marshals to have been of incendiary origin. For a time the fire threatened adjoining buildings. Several fires in vacant houses at early morning hours have led fire marshals to believe that a firebug is at work in the city.

NO SAVVY

"Janet just took me for a ride." "Did you enjoy her proximity?" "What do you mean—it's a Chrysler."—Judge.

It's safe for Laces
it's safe for Rugs—



Made to clean the most delicate fabrics, Oronite Cleaning Fluid costs so little you may use it freely all over the house. No harm to fast colors.

In 1/2 pints and pints, gallons, etc., at grocers, druggists, hardware and department stores or any Standard Oil Service Station. Can also be ordered in larger cans and barrels.

STANDARD OIL COMPANY OF CALIFORNIA



A President Who Wouldn't Believe He Was Nominated

Back in 1852 a dark horse was nominated for the presidency by the democratic national convention in a stormy session at Baltimore. Forty-nine ballots were necessary before the dark horse got the necessary two-thirds majority.

Several days later a messenger traveling by stage coach rushed up to the home of Franklin Pierce in Concord, N. H., to inform him that he had been nominated. At first, he refused to believe it. Mrs. Pierce fainted.

What a contrast between the days of Pierce and 1928?

Today, in a few seconds the wires flash to every daily newspaper office in the county the news of a nomination; instantaneously the radio carries it into millions of homes. And then within a few hours newspapers are printed with pictures showing the wild demonstration in the convention when the fortunate candidate finally wins. There will be no "doubting Pierses" among the presidential candidates this year.

Probably the most remarkable of all these inventions is the device by which photographs can be transmitted by wire to important cities throughout the country in less time than Samuel F. B. Morse used to send a short telegram from Washington to Baltimore back in Pierce's day.

The News-Review will utilize the telephoto process in giving its readers the complete story—pictures and news dispatches—of the two national conventions. The News-Review is a client of NEA Service, Inc., the world's largest newspaper feature service, and this agency has developed amazing speed in the transmission of news pictures. No doubt, you have often marveled at the speed with which NEA pictures of big events are printed in this paper. NEA not only uses the telephoto process, but also employs the fastest chartered airplanes, racing motorcycles, the airmail service and the fast mail trains to expedite distribution of important pictures. Large sums of money are expended to get pictures to the News-Review a few hours quicker. Special airplane flights will be made by NEA from Kansas City to St. Louis and from Houston to St. Louis. At St. Louis the pictures will be placed on the telephoto wires and a half hour later will be in seven other important cities throughout the country. From the nearest of these telephoto stations the pictures are rushed to the News-Review.

You will find the finest possible convention coverage in the News-Review. All the news will be received over our Associated Press leased wires and NEA's remarkable photographs will give you a graphic picture of the conventions.

You will know more about what is going on at the conventions on the day it occurs than Franklin Pierce did a week after he was nominated.

ROSEBURG NEWS-REVIEW DOUGLAS COUNTY

NEW FORDOR SEDAN IS DE LUXE MODEL

The Fordor sedan received here today by the C. A. Lockwood Motor Co. is the de luxe car of the new Ford passenger car line and has many features that are new and exclusive in low priced cars and will be on display for several days at the salesrooms, Oak and Rose streets.

It is distinctive from the other Ford passenger cars in exterior appearance. The cowl sweeps down in a graceful curve from a raised panel at the windshield to a narrow belt moulding which runs from the front of the hood on a straight line back and around the car. This gives the body a long, low effect.

Another feature that adds much to the exterior appearance is the roll belt effect below the windows, which rolls down to the narrow moulding. The top and rear quarter have rounded corners and are covered with a pyroxylin coated material of a tan shade, in pleasing contrast with the body colors. There is a ventilator in the lower

PLAN LONG TRIP

Mr. and Mrs. J. B. Church will leave Friday of this week on a lengthy trip, which will take them back to their old homes in Ohio and Indiana. They will go by way of San Francisco and Los Angeles, stopping at Albuquerque, New Mexico. They will visit for several weeks in Ohio, where both have relatives and where Mrs. Church's parents reside. They will come back by a northern route. They plan to be absent for six or seven weeks.

ALLEN BEATS DOTSON

ASTORIA, Ore., June 12.—Winning eight rounds and holding his opponent even in another, Dol Allen, La Grande welterweight, won a decisive victory over Dennis Dotson, Aberdeen, in a main event bout on the boxing card here last night. Dotson was credited with but one round.

NO COMPLIMENT

Homely Client: I want you to take my photograph from the window at once.

Photographer: But it is a compliment to you to have it there.

Client: What! With "Three like this for a shilling" written underneath it?—Passing Show.

FEDERAL JUDGE DIES

(Associated Press Leased Wire)
CHICAGO, June 12.—Federal Judge Adam C. Ciffe of the northern district of Illinois died at his home at Sycamore, Ill. He had been ill for the past six months.

WEST COAST
Air Transport Co.
Tri-Motored, 8-Passenger
AIRPLANES

TO SAN FRANCISCO
Monday—Wednesday—Friday
Fare \$40.00

TO SEATTLE
Fare, one way \$12, round trip \$22
From Portland, twice daily

Three Motors Give Positive Safety
Usual Insurance Liability

Over 1,000 passengers already carried on our line since March 3.

Folder Information at All Pickwick Stage Agencies
We handle trunks and heavy baggage
See Agent for particulars

STAGE TERMINAL HOTEL
Roseburg Phone 586