
 find whetropolitan haily.
 sumption. But appearing as it did in the staid old North American
Review, one can't put it down as fiction nor the product of What
Whate
Air Age" which appears in the June issue of the Review. D you know what an autogiro is? The author, Donald F. Rose
calls it "The Windmill that Flies." Neither airplane nor helicopter, he says it is the greatest thing in aviation since the
Wrights flew at Kitty Hawk. There are three weaknesses in the present airplane, a
cording to Mr. Rose. First, it requires too much space cording to Mr. Rose. First, it requires too much space for
starting and landing fields, making city landing difficult
and country landing hazardous for and country landing hazardous for lack of sufficient room
of smooth ground. Second, a plane must land traveling too the airplane requires the constant control of the pilot. helicopter was designed to overcome some or these weakness-
es, but the helicopter encountered other problems, notably
"torque" which have rendered futile experiments in that The autogiro, which has flown successfully following a
period of 10 years in experiment, is described by Mr. Rose

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 rudder like those of an ordinary plane. It has however no
wings like those $v e$ are accustomed to, except for brief fin
which serve principally to carry the banking controls. Fro the center of the craft rises a steel mankt, at the top of wrom
is a rotor,' a four-bladed windmill-like arrangement, which at first sight suggests the helicopter propelier. but is not,
however, a propeller, since it propels nothing but swings
freely on ball bearings. . The most starting fact of the auwhich serves it exactly in the capacity of an airplane's wing."
Experiments have shown that the autogiro requires less parachute; and it lands at slow speed reducing the danger o a crash. Then "actually it lands itself, right side up and
with care. An autogiro has been literally dropped for 1500 Spaniard. Haroid Pitcairn of the Pitcairn aviation ild
has flown the machine, and its patent rights are held the
Pitcairn-Cierva Autogiro company. Last week we noted that one of the big companies, the Curtiss company, had taken
over Pitcairn Aviation, which deal may have included the autogiro patents. At any rate the prediction is made in the
magazine article that flying will be revolutionized by this
invention.



BITS for BREAKFAST


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Helen Curry Is
Chosen Head ofChurch Session


