## Water Tunnel Tests Submarine Model <br> A model of the world's fast-

est submarine, the USS Albacore, is being tested in the Garfield Thomas Water Tun nel. $\because$ Dr. George F. Wislicenus, direc tor of the Tunnel, explained the results of the tests are expected to provide information needed to conduct tests in the Tunnel on
other large models. The Tunnel is other large models. The Tunnel is a testing facility for the Ordnance
Research Laboratory at the University. before the final design was se- For this purpose, the shape of objects that can be tested. the The $\$ 20,000,000$ Albacore was It is the results of these tests feet is 14 feet in length and 48 , over testing in open water or in designed for speed under water, as well as tests on the submarine feet in diameter, was changed, a towing basin. In the tunnel. whereas earlier submarines were, itself, that make the studies now, simulates a free-stream surface. and acoustic, is possible, water face speed: She has a fish-shaped able. Results of these tests can be fully fitted, were installed, then fully controlled, and the pawer body and a blimp-like tail and is compared with the detailed in- fully fitted, were installed, then fully controlled, and the power driven by a single f ve-bladded; formation available from the oth-! the interior of the section gives can be regulated.
propeller rather than t
ventional twin screws.
Coning Tower Changed Even the bulky coning tower, greatly changed on the Albacore reatly changed on the Albacore. he fin of a fish.
 After a submarine of this type previously tested in the tunnel, vices through the use of powered was suggested in 1948, nearly models were built and nearly 25 to correcting the tunnel flow to design of propellers on torpedoes ests were conductand extensive duplicate the flow about the same as related to the design of the解
ar tests on the Albacore to evalu-1 the appearance arge models.

Flow Corrected

Foresters
To Mark 50th Year
The 50th anniversary of profes-
sional forestry instruction at the University will be observed next spring.
The program, scheduled for
May 27 and 28 , is sponsored by May 27 and 28 , is sponsored by Association. which represents 1900 living forestry graduates of the University and the old State Forestry School at Mont Alto which was merged with the U
versity in 1929 versity in 1929
Among those expected to par ticipate in the program are Gov ernor George M. Leader, President Eric. A. Walker, Dr. Milton S. Eisenhower, former president
of the University and now presiof the Unversity and now presi and representatives of education and the forestry profession. E. O. Ehrhart, president o Armstrong Forest Co., Johnson burg, is general chairman for the Book to Be Published
One of the features of the celebration will. be the publication of a book, "Forestry Education in Pennsylvania." which is being
compiled by Henry Clepper, execcompiled by Henry Clepper, exec
utive secretary of the Society on American Foresters, Washington, American
D.C.
The

The School of Forestry will be represented in the celebration by Maurice K . Goddard, director of
the school, who is on leave servthe school, who is on leave serving as Secretary of Forests and Dr . William C. Bramble, acting director of the school.

## Magazine Accepts Series by Hicks

Scholastic Editor, a nationa magazine for student publications, is publishing a series of four articles on newspaper advertising by Dr. Roland R. Hicks, assistant professor of journalism. tion to newspaper advertising work, appeared in the October issue.
The other articlès entitled "How to Write an Ad." "How to Draw an Ad," and "How to Sell issues of the magazine.
Minerals Staff Officer
To Address Engineers Lewis E. Hoffman minerals staff officer with the U.S. Bureau of Land Management, will ad dress the University chapter of Engineers at 7:30 p.m. tomorrow in the Mineral Sciences Auditorium.
His subject will be "Federal Mineral Lands and Our Present Minerals Program
Graduate Wins Award In National Competition in metallurgy from Bellwood, has been awarded a $\$ 4200$ graduate fellowship by the American Society for Metals on the basis of a national competition ter of science degree under the ter of science degree under the say, professor of metallurgy.

## What's doing...at Pratt \& Whitney Aircraft



## Working engineers . . .

## may continue study to earn Master's degree

> Ambitious young engineering graduates today want to be in two places at the same time. They want to be empioyed as quickly as possible, working daily at a job that offers promise of a rewarding career. They also want to be in the classroom, pursuing advanced studies they know to be so essential to real professional achievement.
> Recognizing the many significant benefits to be gained by that two-fold ambition - benefits that accrue both to the individuals, personally, and to the company employing them - Pratt \& Whitney Aircraft has developed an extensive graduate fellowship program. Within easy commuting distance of P \& W A facilities, working arrangements have been established with graduate schools at Rensselaer Polytechnic Institute, University of

Connecticut, Trinity College, Yale University, Northeastern University and New York University. Similar arrangements with several other universities are pending final approval.
At each schcol, the qualified Pratt \& Whitney Aircraft employee is able to take courses - within specified areas-leading to a Master's degree. A tuition-refund plan makes it possible for successful degree candidates to obtain this advanced education tuition-free.
In this era of advancing technology, the world'a foremost designer and builder of aircraft engines has taken a far-reaching step to assure its engineers and scientists of the opportunity for personal growth . . . growth that is so beneficial to employee and company alike.

