

College Conducts Secret Tests On U. S. Battleship Insulation

Work Carried On For Past 2 Years

Tests for the U. S. Navy that will affect not only the efficiency of Uncle Sam's sailors but also in some measure the design of our new warships have been underway at the College for nearly two years, it was revealed recently.

The tests seek to determine the best materials and constructions for insulating the Navy's "floating fortresses"—fortresses that must withstand violent temperatures ranging from the Arctic Circle to the tropics.

Because of weight limitations and interfering steel members in warship design, the proper insulation for living and working quarters and for food storage compartments has presented many difficulties. A complicating factor is the vital need in strategic stations of the ship for conditioned air that will insure maximum mental alertness and efficiency, no matter what the outside temperature.

"The problem has been," said Prof. F. George Hechler, director of the engineering experiment station, "to determine the amount of heat transmission for various ship sections, such as decks and bulkheads, without insulation and with insulation of various kinds applied in different ways and in several thicknesses."

To do this, it was necessary to install in the heat transmission laboratories a number of full-size test panels of as much as 1200 pounds weight each, representing typical decks and bulkheads of destroyers and battleships. These were built at the Philadelphia Navy Yard.

Special equipment of the guarded hot-box type was developed in

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Tests Battleships



Prof. F. George Hechler, director of the engineering experiment station, is supervising heat transfer tests for Navy warships which have secretly been in progress for nearly two years. (For details, see column one.)

12 Honoraries Open To Women

Twelve women's honorary societies maintain chapters on the campus and are open to all students.

Those which offer membership to coeds for achievements during their freshman year are Alpha Lambda Delta, scholarship; Cwens, activities and scholarship; Ellen T. Richards Club, home economics; and Louise Homer Club, music.

Among the 12 honoraries is Alpha Lambda Delta, which requires a 2.5 average earned either the first or second semester of the freshman year.

Cwens, sophomore women's honorary, chooses its members for scholarship (minimum average 1.5), leadership, and activities. Members are easily recognized by their red and grey jackets.

Delta Alpha Delta, women's speech honorary, select members from those proficient in debating at the end of the sophomore year.

Home economics freshmen are eligible for the Ellen H. Richards Club and physical education majors may strive for a 1.8 average and Lakonides.

Musicians are chosen to the Louise Homer Club upon completion of the freshman year. Theta Sigma Phi honors junior journalists.

The highest honor a senior woman can achieve is election to Mortar Board, for service, scholarship, and leadership. White-jacketed members work with WSGA and the dean of women as well as on their own projects.

Other senior honoraries are Iota Sigma Pi, chemistry; Omicron Nu, home economics; and Pi Lambda Theta, education.

Lamar library, University of Texas, is the 13th largest college library in the U.S., with more than 620,000 volumes.

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Dad's Day Slated For October 5

Plans for Dad's Day, which will be held on Saturday, October 5, were made at a meeting of the Directors of the Penn State Parents Association at the Nittany Lion Inn, Sunday.

Fathers of students will be invited to witness the Bucknell-State football game and to attend the annual business meeting of the Association.

Few students are aware of the work of the Penn State Parents Association, composed of fathers and mothers of students enrolled in the College. Organized on Fathers' Day, May 20, 1922, the purpose of the Association is to study the problems of students at Penn State from the parent's viewpoint.

Some of the problems which interest the Association are academic facilities and standards, social opportunities, guidance and counseling possibilities, housing facilities, faculty selection and salaries, and appropriations from the state legislature.

Of a dormant, rather than an active nature, the Association exists as a means of giving student problems an opportunity for expression among a more mature and influential group.

One of the moving forces which resulted in the erection of Frances Atherton Hall, the Parents Association is ever on the alert to find and remedy undesirable student conditions.

Dues are nominal, \$1 per parent per year, and are used to defray expenses of "The Nittany Firesides," a semi-annual publication. Any remainder goes into the Student Loan Fund of the Association.

Besides planning a program for Dad's Day, the Association also distributes information about Mothers Day activities.

Cabinet

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Other business to come up at the meeting, Laich said, will include a report by Jack W. Brand '41, Athletic Association president, on the possibility of having Athletic Associations elections at the same time as the All-College and class elections. Brand was appointed a committee-of-one to investigate this possibility last spring.

Laich stated that appointments of a new Tribunal secretary and a new Drydock night club manager will come before Cabinet for approval. Both new appointments have been occasioned by the transfer of Edgar V. Hall '41 to New York University.

Laich also announced that Peter G. Fetcko '41 has been named president and Cabinet representative of the Education School Council.

FBI Agent Warns Of Un-American Ideas

WASHINGTON, D. C.—Wholly un-American doctrines "have gotten into our educational institutions and students are listening to influences which are trying to make us a nation divided against itself," says Lee R. Pennington, FBI administrative assistant.

American youth, he told a luncheon meeting, are falling prey to "preachers of ideologies foreign to our way of thinking . . . we have found that these un-American teachings have not alone crept into our schools, but into our pulpits and, in many instances, the press."

Kansas is one of the richest fields for meteorites, Dr. H. H. Nininger, Denver University astronomer, says.

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Dr. Frederick P. Weaver, Retired, Dies At 57

Funeral services for Dr. Frederick P. Weaver, 57, emeritus professor of agricultural economics, were held at the State College Presbyterian Church at 10 a. m. Monday.

Dr. Weaver died of a complication of illnesses at his home on 407 South Barnard street last Thursday night.

After 28 years on the faculty, he retired from active duty on February 28, 1938, because of ill health. His service at the College was unique in that during his entire four undergraduate years he acted also as an assistant in the department of agricultural chemistry.

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