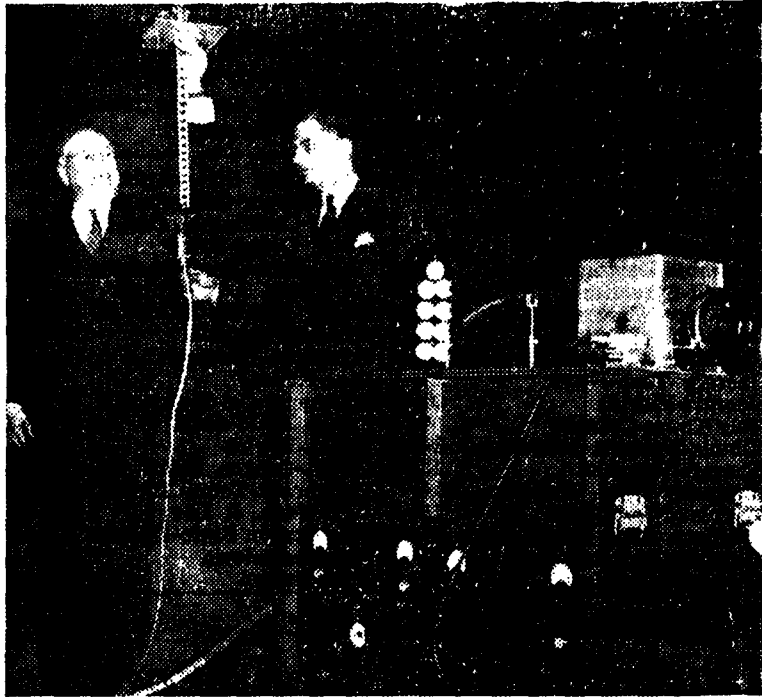


**Dr. Perrine Demonstrating Microwaves**



**Dr. Perrine To Discuss 'Radar and Microwaves'**

"Radar and Microwaves" will be the subject of a lecture-demonstration by Dr. James O. Perrine, assistant vice-president of the American Telephone and Telegraph company, in Schwab auditorium at 8 o'clock tonight.

Preceding the lecture, a dinner will be held in the Maple Room at 6:30 p.m. for all who have tickets. Seats for those attending the dinner will be reserved in the auditorium.

At 6 p.m. an informal social meeting for those wishing to meet Dr. Perrine is scheduled in the Home Economics building.

At the lecture Dr. Perrine will discuss and demonstrate the fundamental phenomena associated with electric wave propagation. Beginning with visible mechanical waves in a rope, he will develop the basic concepts of wave motion and then extend these ideas to electrical wire systems.

Dr. Perrine also will produce microwaves of the type used in radar and will demonstrate their physical properties, including the transmission of speech and music over a beam of such waves.

The lecture is sponsored by the local chapters of the Society of the Sigma Xi, Sigma Pi Sigma, and the American Institute of Electrical Engineers.

**Quarterly Magazine Sponsors Essay Contest**

The "Humanist," a quarterly magazine, is sponsoring an essay contest open to college students. The subject is "Building a Positive Way of Life in accordance with the Scientific Method and the Highest Aspirations of Mankind."

Essays may be written by individuals or by groups of five or more students, according to the magazine rules. The desired length is between 1000 and 1400 words. First prize is \$25.; second prize, \$10.

Manuscripts, which will not be returned, must be postmarked no later than December 20, 1947, to be eligible. They should be sent to the American Humanist Association, 569 South 13th East, Salt Lake City 2, Utah.

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**Penn State Club Calls for Cagers**

A call for basketball players was sounded by Bob Stefanko, athletic chairman of the Penn State Club. "All club members and independent men interested in joining the club are eligible to play," said Stefanko. "Players should sign the list on the club room bulletin board in Old Main."

Plans were discussed for the All-College talent show to be held December 5. Final arrangements for the show will be made next week by club members.

Richard Howe, membership chairman announced these additions to the club: James Ackman, Pasquale Astore, Thaddeus Best, John Bickley, James Donnell, Robert Dougher, George Keller, George Migdon, George Miller.

Harry Moberg, Charles Nuschke, William Oliphant, Daniel Reese, John Reitz, Seymour Ronkin, Donald Schultz, John R. Smith, John Stoker, Ralph Temples, Andrew Timko, and Joe Uhring.

Two former members, Ed Banyai and Michael Fatula, also re-validated their memberships.

**Engineering Student Wins Bulova Watch On Quiz Program**

Thomas Turnbull, junior in electrical engineering, who interrupted his schooling this semester to go to the Aspinwall Veterans Hospital, recently won a 17-jewel Bulova watch on a quiz program at the hospital.

Turnbull served with the Navy aboard the destroyer, Ruben James, which was torpedoed before the U.S. entered the war. He was in the waters of the North Atlantic many hours before being picked up as a result of the torpedoing.

In a recent quiz program conducted by Professor Quiz, Turnbull put his college training to profitable use and walked off with the first prize, a 17-jewel Bulova wrist watch.

**LA Placement Service Offers Job Pamphlets**

Liberal Arts students are welcome to read brochures of the larger business firms in 201 Sparks, according to Prof. Henry Young, head of Liberal Arts placement service.

Types of jobs offered by the various companies with the history, policies, and job training routines of the firms are included in the pamphlets.

Also offered by the placement service is a bibliography of books and pamphlets to aid job selection.

**News Briefs**

**Naval Reserve Meets**

The surface division of the Naval Reserve Electronics Co. will meet in 200 Engineering "E" at 7:30 o'clock tonight. Included in the program is a movie. All members are urged to bring one new member.

**PSCA Dancing Club**

The PSCA Dancing Club will be reorganized in 405 Old Main at 8 o'clock tonight, according to Sally Schleyer and Warren Myers, chairmen of the recreation committee. Students interested in joining are asked to sign a list on the Student Union bulletin board.

**Football Movies**

Football fans may see plays they missed in Saturday's 46 to 0 defeat of Colgate by the Lion

team in football movies in 119 New Physics at 7:30 and 8:15 o'clock tonight. End coach Earl Edwards will give a running comment on the movies.

**Froth Editorial Meeting**

Froth sophomore editorial board and editorial candidates will meet in 9 Carnegie Hall at 7:30 o'clock tonight, said Theodore Kunin, editorial director.

**Faculty Previews Film**

Members of the faculty will preview a film "God of Creation" in 110 EE at 1 o'clock today. The film, sponsored by the Penn State Bible Fellowship, shows in time lapse photos, the metamorphosis of caterpillars, and unfolding of flower petals. The film was made under the direction of Dr. Irwin Moon of the Moody Bible institute.

**First Prize in New York First Prize on Campus!**

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