

## Navy To Train College Students As Officers

The United States Navy, in order to increase its personnel, is looking to American colleges for approximately 29,000 prospective officers for the Navy Reserves and the Navy Aviation Corps.

Navy recruiting officers, who are making a tour of Pennsylvania colleges, will be on the campus January 14 and 15 to give physical examinations to sophomores, juniors, and seniors who wish to become Aviation Cadets.

The applicants must be between the ages of 20 and 26. If accepted, they will be deferred until the completion of the present college year, May 9, when they will enter a 3-month training period as seamen, second class. They will then be ordered, if qualified, to flight training as Aviation Cadets in a course requiring about seven additional months.

A meeting will be held in 318 Old Main Monday January 12 at 7 p. m. for those who wish to become members of the Penn State Navy Air Unit. The members of the unit will be kept together during their training period.

Aviation Cadets receive \$75 a month, and \$205 a month plus allowances are paid to those who receive their "Wings."

In addition to the 15,000 students sought for the Aviation branch, the Navy needs 7,000 seniors and 7,000 juniors as prospective Naval Reserve deck and engineering officers. The applicants for these branches must be between the ages of 19 and 27. They will be allowed to graduate before being called for a one month preliminary training course. If qualified they will be given additional training as Midshipmen, U.S.N.R., at \$65 a month.

Upon the successful completion of this training they will be commissioned Ensigns, U.S.N.R., at \$125 a month plus allowances.

## Defense Stamp Drive Undertaken

Defense saving stamps and books will be available at Student Union Office Monday, and will be on sale at all athletic events this winter it was announced yesterday by George L. Donovan, Student Union manager.

Financed through the Interclass Finance Fund, the ten cent stamps will be distributed at athletic events by members of Parmi Nous and Skull and Bones, senior hat societies.

The first activity at which defense stamps go on sale will be the soph-frosh customs battle to be staged in Rec Hall next Tuesday night.

This suggestion for a specific way in which students can aid in the present emergency was initiated by All-College Cabinet at its last meeting. Cabinet also asked for the cooperation of all campus organizations in stressing national defense by buying stamps and defense bonds.

## NYA Hours Announced

NYA students may work thirty hours in the period January 7 to February 7, it was announced by the NYA office last night. Additional hours may be added if circumstances are favorable.

## Students To Query About War Effects

Penn State's first Town Hall, giving students opportunities to ask questions about current problems, will be conducted in 110 Home Ec at 8 o'clock tonight. "How Does the War Affect You?" will be the topic.

Three members of the College staff who are well informed on questions concerning vocations, responsibilities and education in the present crisis, will answer queries.

The trio includes Dr. Robert G. Bernreuter, head of the department of psychology, chairman; Adrian O. Morse, assistant to the president, and Col. Edward S. Ardery, head of the department of military science and tactics.

## Civil Service Exams Announced

Examinations in several civil service fields have been announced by the United States government this week. Many of these examinations give preference to college graduates or college men.

Salaries as high as \$5,600 are offered to some qualifying for these positions. Full information concerning requirements and application forms may be obtained from G. C. Snyder, secretary of the board of United States civil service examiners, at the local post office.

A position as a galley designer is offered to architectural or engineering graduates. Experience in designing galleys on large ships, or kitchens and cafeterias for large institutions, is also required. Application must be made before March 2.

Positions as assistant marketing specialist, junior marketing specialist and junior supervisor of grain inspection are available for agriculture graduates. Law students can apply for the position of deputy United States marshal. January 26 has been set as the closing date for these applications.

Students fulfilling requirements as research chemists, or associate and assistant analytical chemists in any special branch of chemistry, pharmacologist, meteorologist, or technologist can apply for posts paying from \$2,600 to \$5,600 a year.

## 'Japs Must Pay For Treachery,' Claims Lone Filipino Student

"Those Japs must pay with their blood for their cowardly bombings," was the demand made last night by Lupo F. Cinco, Penn State's only student from the Philippine Islands.

A note of special anxiety was evident in Cinco's voice as he spoke of the Jap treachery in bombing undefended Manila, but it was well justified. "You see," he explained, "when I came to State College I left my wife and baby son in the Philippines, and our home is in the heart of Manila."

The only contact he has had with his home since the beginning of the war was a cablegram he received from his father on December 23, assuring him that his family was still safe in Manila. The savage air attacks occurred within a week after the cablegram arrived, but Cinco has had no further word from home.

"I can't even imagine the horror that my family and thousands like them have gone through," he said. "All I know of the Japs at war is what I've read about Japanese treatment of conquered Chinese

## Senate Student Welfare Committee Approves Cabinet's 'No Finals' Plan

### Radio Debate Contest Planned

Any student in the Liberal Arts school is eligible to enter the local eliminations to determine the two students who will represent Penn State in the National Intercollegiate Radio Prize Debate contest, which is to be sponsored by the American Economic Foundation of New York City.

Contestants must register with J. H. Frizzell, professor of public speaking, in 300 Sparks, by noon, January 24. The representatives chosen in the local contest will go on to compete for the national championship which carries with it a cash award of \$1,000 and a second prize of \$500.

Entrants must submit 500 word briefs on either the negative or affirmative side of the question, "Does youth have a fair opportunity under our American system of competitive enterprise?" These briefs are due January 31.

On February 9, the participants must read an eight minute speech based upon their briefs. A board of judges will rank both briefs and speeches and award a first place to both an affirmative and a negative speaker. The winners will be certified to represent the college in the national contest which will be broadcast over a nation wide radio hook-up.

### Oil And Water Color Paintings Exhibited

Oil and water color paintings are being shown in the "Face of America" art exhibit in the College Art Gallery, 303 Main Engineering, it was announced yesterday.

Coming from the Museum of Modern Art in New York City, the exhibit will remain on the campus until January 26. Among the young painters in the group who are establishing themselves are: Bohrod, de Martini, Edie, Bennett, Booth, Dehn, and many others.



DISCOVERS DEFENSE AID —

New oil prospecting method discovered by Dr. Sylvain J. Pirson, associate professor of petroleum and natural gas, will save an estimated 1,000,000 tons of steel for the national defense effort.

## New Oil Discovery Helps Save Steel

Claiming it would save 1,000,000 tons of steel a year, Dr. Sylvain J. Pirson, associate professor of petroleum and natural gas engineering, announced yesterday that he had discovered a new method of prospecting for oil.

First tested last year in the northern Pennsylvania fields, the "Geodynamic Process," as it is called, was pronounced successful in 80 per cent of its tests. Basing tests on the measurement of the amount of gas escaping through the earth's surface, Dr. Pirson stated that the steel saved would be "enough to build 30 battleships of the U. S. S. Washington class."

Pirson termed his system "of additional military significance" because it could locate stratigraphic oil deposits. He also stated that in the long run the war demands would necessitate the discovery of new fields at an accelerated rate.

"To successfully carry on the war," Dr. Pirson went on to say, "we may have to supply 900,000,000 barrels of crude oil each year to the United States and allied war machines, therefore requiring a production of a billion and a half to two billion barrels of oil if civilian consumption is not curtailed."

"For the production of this flood of oil," Pirson declared, "it will be necessary to drill at least 30,000 new wells in 1942. Under (Continued on Page Four)

## Winter Sports Lodge Nears Completion

The first floor of the Winter Sports lodge is nearing completion, according to Ray M. Conger, instructor in charge of recreation. The framework of the building is finished except for some of the studding on the second floor and the rafters for the roof.

Power lines leading to the lodge were installed during vacation. The furnace is on the site but not yet connected. Snow and cold weather have delayed the construction work, but the lodge is still expected to be ready for use during the skiing season.

## Final Action Due In Senate Today

The Senate Committee on Student Welfare yesterday recommended "favorable action" on the proposal to replace final examinations with bluebooks, and then referred it to the College Senate, which meets today, for formal action.

The proposal, brought about by the shortening of the first semester, points out the disadvantages if final examinations were given during the regular class hours and suggests that, in the cases where exams are necessary, bluebooks should be given.

All-College Cabinet adopted the plan as a resolution brought up by Ross B. Lehman '42 Tuesday and then submitted it to the Senate Committee on Student Welfare.

After the resolution was read to the committee by Betty A. Bischoff '42, it was decided that final action should be placed in the hands of the Senate itself.

Accordingly, Arthur H. Reede, assistant professor of economics, moved that the committee "recommend favorable action because of the detrimental effect on student health and welfare." The motion was passed unanimously.

The committee, headed by MacLean M. Babcock, associate professor of industrial engineering, is contemplating "several changes" in the original resolution before presenting it to the Senate today. It was later made clear that the petition was to apply for this semester only, as the sudden change in the calendar has necessitated it, and was not meant to be the rule for the coming semesters.

A. R. Warnock, dean of men, stated last night that the proposal "seemed logical and would probably be met favorably in the Senate." (Continued on Page Four)

## Late News Flashes...

WASHINGTON — President Roosevelt today in his budget message to Congress called for an increase of nine billions in taxes, saying that these increases will probably change the American way of life and are to be regarded as the answer of "a people of a nation at war in a world at war."

RANGOON — It was reported last night that American planes caught a fleet of 108 Japanese planes on the ground Christmas morning, being joined later in the battle by British planes. The Japs are said to have lost at least 32 planes with very small Allied losses.

WASHINGTON — The Army Department announced tonight that the Japanese are inflicting needless damage on Philippine towns that contain no military objectives. Scores of natives were reported killed by deliberate machine-gun fire and bombs from Jap planes in the streets of at least four towns.

LONDON — The British press is reporting tonight the erection of machine gun posts in Berlin and other German cities to forestall a putsch planned by German Army generals who are dissatisfied with Hitler's conduct of the Russian campaign. This rumor was further corroborated by a report in a news letter from Washington.