

## Davis Suggests Fitness Program

### Trifold Plan to Prepare Future Military Trainees

Asserting that military fitness should begin at home, Dr. Arthur F. Davis, associate professor of liberal education at the College, today proposed a three-fold program in which the home, school, and community collaborate to prepare American youth for war service.

"America is prone," Dr. Davis said, "to take its health for granted. The fact, however, that 25 per cent of the men undergoing army physicals are found to have some defect proves the need of pre-draft age examinations."

At home, Dr. Davis believes, parents can help by insisting on proper rest and proper food for their children. The schools, he said, can aid by giving thorough health examinations at regular intervals, while the communities can best assist by offering a constructive recreational program.

"Too many young men just sit and wait for the draft," he said, adding that "these youngsters are desperately in need of facilities for improving their mental and physical health."

## Women Students Now Exceed Men

Curtailments in the military training programs and Selective Service demands have enabled women students to outnumber men students for the first time in the history of the College, Registrar William S. Hoffman revealed today.

He said all men students on the campus, including the approximately 800 military and naval trainees, number 1758 as compared to 1787 women students. The latter figure includes the 78 "lady engineers" sent to Penn State by Hamilton Standard Propellers for specialized instruction in aeronautical engineering.

In anticipation of further curtailment in military training programs, Registrar Hoffman said there is little likelihood that men students will regain their former predominance before the end of the war. The peacetime ratio, he pointed out, is four men to one woman.

The registrar set the number of incoming freshmen in July at 212, of whom 117 will be men and 85 women. In the November freshman class, however, the women will number 257 as compared to 36 men.

Circulo Espanol will meet in 301 Old Main, 7:30 p.m., Thursday. A picture on Brazil will be shown and explained.

## Campus Scientists Work On Penicillin Production

Late into the night lights shine from the windows of Pond Laboratory. These lights represent the activity inside the building, where 38 scientists are constantly engaged in extensive research on the life-saving drug, penicillin.

Less than six months ago, the College was selected as one of five university centers for studying the specific phases of penicillin production. Dr. Frank C. Whitmore, dean of the School of Chemistry and Physics, and eight assistants qualified for this work and improvised their own laboratories and equipment. They immediately began searching for ways and means to increase the yield, purity, and stability of the product.

Now Dean Whitmore's staff has grown to include 38 technical men and women who work on assignments from the WPB, and report the results directly to the 21 manufacturers producing the wonder drug.

Penicillin notatum, a greenish-blue mold, was accidentally discovered by a Scotch bacteriologist, Prof. Alexander Fleming, in 1929. However, it was not until 1936 that scientists began experimenting with this life-saving drug and its uses. Dr. W. H. Florey, professor of pathology at Oxford University in England, received grants of money from the Rockefeller Foundation, and paved the way to penicillin production.

The Office of Scientific Research and Development and the National Research Council also took up the study, and called a

meeting of representatives from five universities, and virtually all great chemical concerns. As a result, these universities were selected for research centers: University of Wisconsin, Massachusetts Institute of Technology, University of Minnesota, Stanford University, and Penn State. Production of penicillin has been speeded up tremendously since the war because of its need on the battle-front. For medical uses, the wonder drug comes in a yellowish-brown powder, and after being diluted in salt water, may be applied directly, or as a salve base for open infections.

In this war it is said to have cut down the deaths of wounded servicemen to two per cent, as compared with seven per cent in World War I. For such treatment penicillin surpasses even the sulfa drugs.

All penicillin produced today is controlled by the government, although a small amount may be obtained for emergency civilian cases. Recently penicillin was first used in Centre County, when it saved the life of Harry Lutz, of Bellefonte, who was suffering from a streptococcal blood stream infection.

Dean Whitmore predicts a steady increase in the manufacture of penicillin as the needs of the armed forces, and some civilian outlets, are being fulfilled.

## Directory Honors Two Faculty Men

### Book Stars Chemists For Outstanding Effort

Two men in the School of Chemistry and Physics at the College have been "starred" by the biographical directory, American Men of Science, as younger chemists doing outstanding work in their field.

The faculty members are Dr. J. G. Aston, professor of organic chemistry and director of the low temperature laboratory, and Dr. M. R. Fenske, professor of chemical engineering and director of the division of industrial research. Only 45 younger chemists in the nation were honored in the seventh edition of the directory by "stars" awarded on the basis of votes of their professional associates.

When the new edition of the directory is being prepared each of the scientists who has received a star in an earlier edition submits the names of 20 men in his field who have done outstanding work but have never been starred. From these emerges a large list of names suggested most frequently and each original "voter" selects 25 names. Another master list results and the voting continues until a group of about twice the size to be included is obtained. This becomes the final ballot.

## Tribunal Exam Shows Frosh Ignorant Of College Facts

The freshmen had their Tribunal-sponsored bluebook Tuesday night, and according to Fred Dietz, author of the quiz, "they showed up very poorly."

The foreword to the three-page mimeographed grilling stated: "This examination is designed primarily to discover the extent to which you have delved into the history, administration, and spirit of old Penn State."

The extent to which anyone, not just the hapless frosh, has delved into the history, etc., of old Penn State could be measured by many of the 50 questions posed the wearers of the dink Tuesday night. For example, how many upperclassmen know the answers to some of these questions selected from the exam:

How many members compose the Board of Trustees and how do they come by their membership? It is frequently stated that the geographical center of the state is

located on the campus. Is it true? If so, where?

Identify: Henry V. Poor and Heinz Warneke.

This college is a land grant college operated under the terms of the Morrill Land-Grant College Act of 18...

Who and what is the FAWS?

The college infirmary was built from contributions made by an agricultural group on appreciation of service done by the college to them. Who were they?

In round numbers what is the approximate civilian enrollment of the college at the present time?

Who is head cheer leader?

Who is Bill Jeffrey?

Where is the only bridge on campus?

The foreword to the exam also stated that "the questions have come almost entirely from (1) the College Catalogue, (2) the Brief History, and (3) the Collegian."

Puzzled upperclassmen are referred to these sources.

## Agriculture Forum Opens

Broad problems of agriculture will be discussed at the third annual agricultural conference to be held in Schwab Auditorium June 5 and 6. The conference is open to all interested.

The meetings will open at 2:15 p.m. Monday with introductory remarks by the presiding chairman, Dr. S. W. Fletcher, dean of the School of Agriculture. At 2:25, J. M. Bickel, chairman of postwar planning of the Carrier Corporation, Syracuse, N. Y., will speak, representing industry.

A representative of labor will speak at 3:05 p.m. He is Raymond Walsh, director of economic research of the CIO. Quentin Reynolds, general manager of the Eastern States Farmers' Exchange, will speak for agriculture at 3:45 p.m.

The program for the evening of June 5, beginning at 7:45, will be presided over by Miles Horst, State Secretary of Agriculture. At that time, M. P. Catherwood, Commissioner of Commerce of the State of New York, will address the conference on "The Role of Government in the Postwar World."

A panel discussion, with Joseph F. O'Brien, professor of public speaking, presiding, is scheduled for 8:30 p.m.

## Air Corps Exam

Word is expected whereby the Air Corps mental examination for 17-year-olds might possibly be resumed before June 15. Lt. Dunkleberger and Lt. Corwin will take charge of the examinations. Persons interested please leave their names and telephone numbers at the office of Robert E. Galbraith, FAWS, 243 Sparks.

## War Victims To Be Chief Concern of Speech Clinic

Rehabilitation of war victims will be the No. 1 concern of speech clinicians for some years to come, Dr. Herbert Koepf-Baker of the College predicted today.

Dr. Koepf-Baker, who is coordinator of rehabilitation for the American Speech Correction Association, said the job was already underway in many parts of the country and that it had the full cooperation of the government and his organization.

Asserting that more stress is now being laid on vocational adjustment, the Penn State speech expert revealed that rehabilitation in this war has been extended from the purely physical to include both social and vocational reorientation.

Scientific advances have been so pronounced since the last war, Dr. Koepf-Baker reminded, that "chances of recovery are now much improved in speech and hearing cases."

## PENN STATE CLASS RINGS

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Betty Grable and John Harvey are shown in 20 Century-Fox's gay new musical romance, "Dixie Girl," in Technicolor with Martha Raye.

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WARNER BROTHERS  
**STATE**  
STARTS THURSDAY

## One Kiss

taught her to kill....  
taught him to love!



## DAYS of GLORY

A CASEY ROBINSON production  
introducing  
A Cast of New Personalities  
**TAMARA TOUMANOVA**  
**GREGORY PECK**  
with  
ALAN REED + MARIA PALMER  
LOWELL GILMORE

Directed by Jacques Tourneur.  
Produced and written for the screen by Casey Robinson