

College Contracts To Study Disease-Killing Penicillin Drug

Penn State has again joined forces with the United States Government War Program following the signing of a contract for the research study of the miracle drug, penicillin. Under the direction of Frank C. Whitmore, dean of the School of Chemistry and Physics, the entire plan will be a cooperative project between the School of Agriculture and the School of Chemistry and Physics.

Penicillin is the antibacterial agent which has headlined recent battlefield hospital reports, starting the combined civilian and medical world with its unbelievable healing properties. With a terrific demand for this product, and with a still large-scale manufacturing problem, the War Production Board in Washington swiftly pushed through this project.

Inside of eight short days, a College representative had gone to Washington to discuss contract possibilities; a WPB agent had journeyed to State College to lay out the plan; and on the eighth day the contract was signed and sealed. That same night, four members of the newly appointed research staff entrained for Peoria, Illinois, to examine the work done at Dr. R. D. Coghill's Northern Regional Laboratory. At this branch of the United States Department of Agriculture, Dr. Coghill has been carrying on other penicillin investigations.

The research at the College will collaborate a great variety of special skills and experiences belonging to staff members with considerable service here. Their talents will be applied by the Schools of Agriculture and Chemistry and Physics to this problem.

Biological and bacteriological research will be conducted by Dr. M. A. Farrell, head of the department of bacteriology, R. W. Stone, and several younger members of the department.

In charge of a portion of the work to be done by the Chemistry and Physics School are three men recently transferred from other war projects. These researchers, R. B. Wagner, transferred from work on steroids and hormones, and Dr. C. I. Noll and Dr. G. C. Bassler, transferred from work on military high explosives, will direct this branch of investigation.

Dr. J. G. Aston of the Cryogenic Laboratory will be the consultant on low temperature problems, and Dr. F. L. Carnahan will act as consultant on the chemical engineering aspects of the work. Six other workers, several of them graduate assistants, will aid in the chemical phases.

Special required instruments and equipment are being prepared in the shop of the Chemistry and Physics School by C. W. Brouse and his staff. Another problem, that of low pressure, will be handled by Dr. H. L. Yeagley of the physics department.

Recognition of penicillin arose from a chance observation that when a certain type of mold grows over cultures of disease-producing organisms, the latter are killed. This property of the chemical, since named penicillin, was discovered in 1929 by an Englishman, A.

Fleming. This phenomenon was forgotten until 1940 when a group of Oxford University scientists rediscovered the drug and experimented with it.

Today, 25 per cent of the penicillin produced is allotted for civilian needs. Of the remainder, the Navy receives one-third of the amount allocated the Army, with a large additional amount needed desperately by all branches of the armed forces. Although there are twenty industrial firms throughout the country producing the drug, their quotas are so high that they are unable to give time for research. It is for this reason that the War Production Board put through the contract with the College so that the "germ-blitzing" power of penicillin will be increased until it reaches its zenith.

107 Cadettes Complete Engineering Design Course

Completing a ten months course in engineering design, 107 Curtiss-Wright Cadettes will be graduated December 15. After January 1, they will be working in the engineering design department of the Curtiss-Wright Company in Buffalo, N. Y. They will work either on the C-46 or on the Curtiss Commando, a transport plane.

Penn State is one of five colleges still offering this training program. Seventy-five to one hundred girls are expected to be included in the second training program which will begin on January 10.

Health Expert Stresses Service Opportunities

"Opportunities for Service in the Field of Industrial Hygiene" will be discussed by Dr. H. F. Killander, nutrition specialist of the National Department of Agriculture, when he meets with students and faculty of the School of Physical Education and Athletics in 2 White Hall. Discussions will continue from 9 until 9:50 a.m. and from 11 until 11:50 a.m. today.

Junior and senior students in the health and physical education curriculum will meet with him at 9 o'clock while freshman and sophomore students will attend the 11 o'clock session.

Frosh Will Soon Know What Coeds Expect Of Penn State Men

Upperclass women are going to take freshman men in hand at the Freshman Council meeting in 304 Old Main at 8 o'clock Monday. Two coeds will conduct a round-table on "What the Penn State Woman Expects of the Penn State Man," and answer questions the frosh have on women in general. Every freshman fellow is invited and asked to bring along as many questions as he likes.

This is all part of the council's drive for new members planned by President William T. Morris and upperclass advisor, Edmund Kovel.

Further plans include a Christmas party and dance in the PSCA rooms December 20. Both the council and freshman forum are included. Coeds will be granted 10 o'clocks by Judicial, the only restriction being that every girl must sign at the PSCA rooms.

Judicial Sets Move-Up Day for Frosh Women

Move-up Day for second semester freshman women has been designated as December 17, according to Ruth Ernst, Judicial chairman. Beginning that day, second semester freshmen will be granted upperclass women hours and privileges.

First semester women are reminded that they may date on campus on weekdays only until 5:30, and that they may not entertain men or have men call for them in their dormitory lounges. The Corner Room and the movies are considered "off-campus," and first semester freshmen may not be seen with men in these places or in the approved fraternity houses.

Name cards and ribbons must be worn in plain sight every day and every evening except Friday and Saturday nights after 5:30 and all day Sundays.

Alpha Chi Omega recently initiated Gloria McKinley, Muriel Stoen, and Eleanor Strode. Mrs. Rosita Nordwall, eastern national counselor of the sorority, will visit the chapter this weekend and a tea will be held in her honor at the suite from 2 to 5 p.m. Saturday.

WOMEN IN SPORTS

By MARGARET WEAVER
WRA at its weekly executive board meeting Wednesday, discussed the calendar for the remainder of the semester, according to Elizabeth McKinley, WRA president. If weather permits the association will hold skiing and skating parties sometime after Christmas, Miss McKinley stated. WRA Playnight will be under the direction of the Rifle Club this Saturday, with Dorothy Wallace, Rifle Club president presiding. Joan Miller will be the executive board member present, and Miss Marjorie Auster will represent White Hall Staff. White Hall will be open after 7 p.m. this Saturday and the usual recreational facilities will be available. Miss McKinley added.

The results of the intra-mural tennis tournament which was completed in October are now recorded. First place went to Chi Omega, and Grange took second place honors. Due to difficulties including weather conditions the All-College tennis tournament was never finished, as the finals could not be played.

Intra-mural basketball opened its season Tuesday with a bang, when the Thetas defeated Women's Bldg.—Mac 13-12 in a closely contested battle, and Grange topped the Kappas by a score of 40-30.

Official games continued Wednesday as the Curtiss-Wright cadettes defeated the Co-Ops 43-17, and Ath West scored its initial win by defeating the SDTs, 44-9.


Individual scores are as follows:

Player	Goals	Fouls	Pts.
Kappa Kappa Gamma			
D. Newcomer, f	5	0	10
R. McCray, f	4	1	9
B. Meyer, f	4	3	11
M. Zollinger, g			
M. Fuhs, g			
A. Hartley, g			
H. Leyden, g			
Grange			
M. Lewis, f, g	3	0	6
F. Matalis, f, g	0	0	0
A. Hooper, f	7	1	15
I. Craig, f	9	0	18
R. Sactog, g			
M. McNulty, g			
Kappa Alpha Theta			
G. Twitchell, f	1	0	1
S. Taylor, f	3	0	6
A. Lewis, f	2	1	5
M. Hussey, f	0	0	0
E. Miller, g			

Player	Goals	Fouls	Pts.
M. Hartssock, g			
M. Lyon, g			
Women's Bldg.—Mac			
Shadwek, f	4	0	8
Sutter, f	0	0	0
Smith, f	2	0	4
Black, g			
Snyder, g			
Nelson, g			
Curtiss-Wright			
Heckman, f	2	0	4
Young, f	0	0	0
Krasowski, f	1	0	2
Bennett, f	3	0	6
Nerron, f	11	0	22
King, g			
Young, g			
Oaks, g			
Co-Ops			
Pollock, f	3	0	6
Woodruff, f	0	3	0
Miller, f	2	1	5
Noble, g			
Morgon, g			
McFate, g			
Ath-West			
M. Jennings, f	9	0	18
B. Spang, f	3	0	6
K. Parise, f	10	0	20
N. Black, g			
D. Jaun, g			
A. McNeese, g			

(Continued on page eight)

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Dispensary Calls Total 4317 for November

Dispensary calls for November totaled 4,317, according to Dr. J. P. Ritenour, head of the College Health Service. This figure includes 618 ASTP sick calls, 692 Navy and Marine sick calls, and 3,007 sick calls by all other regular college students.

Hospital patients for November included 11 from the Army Air Force, 38 from ASTP, 22 V-12 students, and 48 regular college students. The total 119 patients spent 376 bed days in the infirmary. In the out-patient department, 257 Army Air Force men and 492 regular students received treatment.



Suggestions for the Inexpensive Gift

- Le Sonier Powder Mittens - - - - \$1.00
- South American Soap Set - - - - 1.25
- Cosmetic Kit by Varva - - - - 1.00
- Margo Dusting Powder - - - - 1.00
- Ayer's Make-up Kit - - - - 1.50
- Cutex Polish Set - - - - .98
- Confetti Bubble Bath - - - - 1.50
- Loose Powder Compact - - - - 1.00
- Suffon's Bubble Bath - - - - .59
- Nonchalant by Varva - - - - 1.00
- Tweed Powder Pact - - - - 1.75

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