

THIS WEEKEND ON CAMPUS

Sunrise Service

An Easter Sunrise Service will be held at 6 a.m. tomorrow on the steps of Old Main. The Rev. Barrett P. Rudd will speak on the subject, "With Fear and Joy." A 90-voice choir and 9 piece brass group will be directed by James W. Beach.

Language Examinations

The regular written Foreign Language Examinations will be held at 7 p.m. Monday. French and Spanish examinations will be given in 10 Sparks and German in 121 Sparks. The conflict exam in French and Spanish will be conducted at 7 p.m. Tuesday in 12 Sparks.

Lectures

Robert E. Eiche, director of the Altoona campus, will speak to the Faculty Luncheon Club at 12:30 p.m. Monday, in dining room A of the Hetzel Union Building. His topic will be "Development Program for Commonwealth Campuses."

"Dislocations and Point Imperfections" will be the Engineering Mechanics Seminar topic at 4 p.m. Monday in 210 Hammond. M. A. Wilkov, assistant professor of engineering mechanics, will speak.

18 Students Awarded Graduate Fellowships

Eighteen students have been awarded Cooperative Graduate Fellowships for graduate study during the 1962-63 academic year. They are among 1200 selected for the program by the National Science Foundation. Each will receive a stipend of \$2,400 as well as tuition.

The students chosen are James Brady, Francis Carey, Ronald Cohen, Richard Englehart, Richard Fruit, Kenneth Hanson, David Hart, William Luth, William Mastrocola, James McClain, Keith Michael, Joel Myers and William Nystrom.

Others selected are Robert Peterson, Vernon Porter, Janice Rempe, William Shenk and Samuel Shore.

Peace Corps

Peace Corps Placement Examinations are scheduled for 8:30 a.m. today at the State College Post Office, Beaver Ave. and S. Allen St.

Cheerleading

Cheerleading tryouts begin at 6:30 p.m. Monday in front of Old Main. To be eligible, a candidate must be planning to be on campus for the next three football seasons and have a 2.0 cumulative average.

After one week of practice, a preliminary test will be held. Final tryouts are scheduled for Sunday, May 6.

Questionnaire Deadline

Monday is the deadline for returning the Inter-College Council Board's questionnaire on the four-term plan. Forms should be returned to the Hetzel Union desk before 5 p.m.

Today

Forestry Society Dance, 9 p.m., HUB ballroom

Tomorrow

Graduate Chess Club, 2 p.m., HUB cardroom
Omega Psi Phi, 4 p.m., 212 HUB

Monday

Alpha Phi Omega, 7 p.m., 212 HUB
Bridge Club, 6:30 p.m., HUB cardroom
Cwens, 8 p.m., 215 HUB
Eastern Orthodox Choir, 8 p.m., Helen Eakin Eisenhower Chapel
Four-Term Evaluation Committee, 7 p.m., 217 HUB
Fraternity Affairs, 8:30 p.m., 218 HUB
French Club, 7:30 p.m., Home Ec Living Center
Freshman Advisory Board, 7:30 p.m., 217 HUB
Investment Club, 7 p.m., 203 HUB
Peace Corps, 7 p.m., HUB assembly room
Penn State Bible Fellowship, 7 p.m., 214 HUB
TIM Dancing Lessons, 6:30 p.m., HUB ballroom
University Christian Association, 7 p.m., 218 HUB

Atwater Discusses CD Alternatives

By DOROTHY DRASHER

(This is the third in a series of articles concerning Civil Defense in which opinions of faculty members will be presented. In today's article, the alternatives to Civil Defense will be discussed by a political scientist.)

The most logical alternative to Civil Defense is a more imaginative and flexible policy in disarmament and arms control negotiations. Dr. Elton D. Atwater, head of the Department of Political Science, said recently.

IF SOLUTIONS or agreements are going to be reached to solve any of these great problems, meaningful concessions must be made on both sides, he said.

Only by both sides compromising will the necessity for Civil Defense measures be reduced, he said.

The continued insistence of the United States on a comprehensive

inspection system to supervise a nuclear arms ban has been "used up" as an approach to arms control negotiations with the Soviet Union, Atwater said. A different approach must be sought by the United States if any progress is to be made.

For example, Atwater said, a ban on nuclear tests in the atmosphere without international inspection could be agreed on, since violations of atmospheric tests can be detected regardless of inspection.

Limited agreements of this sort are a starting point for further negotiations, he said.

A possible basis for negotiations with USSR officials on an international inspection system would be agreement by the United States to evacuate some of its military bases surrounding the Soviet Union.

Atwater said the United States is not going to get "something for

nothing" in disarmament negotiations.

While it may be difficult to negotiate with the Soviets and painful to make concessions, the alternatives—a continued arms race or possible nuclear war—are even worse, he said.

Recent demonstrations for peace by organized groups have shown public support and interest in policies designed to achieve control of nuclear weapons, Atwater said.

WHILE THESE demonstrations are essential prerequisites for vigorous government policies on disarmament, they will not prevent the government from developing an effective Civil Defense program if it feels this is necessary, he said.

Carnival Ticket Sale Set for Dining Areas

Tickets for the Spring Week carnival booths will be sold in the dining areas between 5 and 6 p.m. next week, Paul Krow, carnival chairman, said Thursday night.

The tickets will be sold in the dining areas according to the following schedule:

East Halls, Monday; Pollock, Tuesday; Redifer, Wednesday; Waring, Thursday; and Warnock, Friday.

The selling of carnival tickets in the dining areas was enacted to relieve the congestion at the carnival ticket booths, Krow said.

University Studies 2 Methods Of Reducing Water Pollution

Experiments on methods of reducing the pollution of Spring Creek are now being conducted at the University.

The experiments include two approaches to reducing the amount of detergents in the effluent from the University's sewage treatment plant.

These detergents, coming from the water of homes around the University as well as the University itself, contain phosphates and nitrates which act as fertilizers and increase the growth of aquatic plant life.

The increased amount of vegetation reduces the oxygen supply available to fish in the stream and results in death to some fish.

One method for reducing stream pollution involves spraying the discharge from the sewage plant onto forest plantations and field crops. The effluent, after passing through the soil and over plant roots is expected to be in purified form when it finally enters the ground water.

A second method to remove chemicals from the discharge involves percolating the effluent through the ground to reduce the

mineral content. A layer of sand, silt and clay near the ground surface would act as a filter and chemical absorber to remove the minerals from the water.

Dr. M. A. Farrell, director of the Agricultural Experiment Station, is co-ordinating the study, which will be continued as finances are available.

35 Evan Pugh Scholars Selected

The Honor Society Council recently selected 17 seniors and 18 juniors as this year's Evan Pugh Scholars. This is the highest scholastic award given by the University.

Those seniors selected will be presented gold medal awards, and the juniors will receive silver medals, at the Council's Honors Day program May 17.

In order to receive this award a student must be in the top five per cent of either the junior or senior class. Attendance at the University or one of the Commonwealth campuses for a least six months prior to selection is also required.

The seniors selected are: Royal

Brown, Gary Driscoll, Thaddeus Ferguson, John Heightley, Judith Heisserman, Eve Hewes, Kathleen Ibbotson, Sylvia Jensen, William Mastrocola, Rodney Nunemaker, Robert Oliver, William Sharpley, Albert Stetz, Frederick Tappert, Janice Wanner, Harry Winter and Jean Zettlemoyer.

The juniors are: Mary Angstadt, Barbara J. Brown, Robert Creese, William Diefenderfer, John Diercks, Joseph Ditz, Stephen Fonash, Charlotte Gilson, Mary Sue Hersey, Sandra Kain, Frances Lawrence, Bethel Logan, Barbara McCutcheon, Thomas Macoviak, Joseph Marino, Ann Miller, Robert Scheerbaum and David Weinstein.

CAMERA OWNERS NEEDED

Male and Female Students Who Own a Camera To Participate in Experiments

Meetings to be held on Campus as follows:

- 1:45 P.M. Tuesday April 24
- 3:45 P.M. Tuesday April 24
- 6:00 P.M. Tuesday April 24
- 3:45 P.M. Friday April 27
- 6:45 P.M. Friday April 27

- Meetings to last a maximum of 1 hour
- Flat rate of \$2.50
- This rate to hold for all subjects signed to date
- Must know make and model number of camera
- Sign up at the Office of Student Aid, 218 Willard
- Necessary to attend only 1 meeting

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U.S.G. Elections

April 25, 26, 27

Campus-Liberal Party

- U.S.G. President: Allison Woodall
- U.S.G. Vice President: George Gordon
- U.S.G. Sec-Treas.: Katherine Johnson
- Senior Class Pres.: John "Buddy" Torris
- Junior Class Pres.: Martin Eichelberger
- Sophomore Class Pres.: Peter Whitten
- Nittany Representative: Nick Morris
- West Halls Representative: Stephen Kleisath

University Party

- U.S.G. President: Dean Wharton
- U.S.G. Vice President: Morris Baker
- U.S.G. Sec-Treas.: Margo Lewis
- Senior Class Pres.: Randolph Carter
- Junior Class Pres.: Ralph Wise
- Sophomore Class Pres.: Thomas Miller
- Nittany Representative: Joseph Tech
- West Halls Representative: Thomas Kiley

Let's All Vote and

Support Student Government