



—Collegian Photo by Tom Browne

WHERE PENN STATE football teams excited thousands of fans just two years ago, an education building is now rising. The building, located on the southeast corner of the old playing field, is 65 per cent completed, John D.

Miller, head of the division of building construction, said. Present plans of the General State Authority call for the structure to be completed by the end of May.

Jazz Club Purpose Explained by Pollen

By JOAN HARTMAN

The Penn State Jazz Club is not a money-making organization, Al Pollen, club president, said recently.

"We only break even on the big concerts," Pollen said, "for we keep the prices as low as possible."

He cited as an example the October Dave Brubeck-Stan Kenton concert in Rec Hall. The Brubeck and Kenton bands combined cost the club \$3500, plus promotion and other costs, which brought expenses to approximately \$4300, he said.

"The Executive Committee recently voted to purchase \$250 worth of records for the record collection and to sponsor a free concert and workshop. The rest of the club's profits are used to bring other groups to campus," he said.

Members of the Jazz Club, who now total 1600, making it one of the largest organizations of its kind, are entitled to listen to the records which are available at the Hetzel Union desk. Over 100 records are now in the Jazz Club collection and contracts have recently been signed with record companies in order to secure the most recent releases.

In addition, the members receive a 15 per cent discount on jazz albums at the local record stores and are entitled to less expensive and better seats at the concerts.

"The purpose of the club is to create and stimulate interest in jazz," Pollen said. "This is achieved by sponsoring the big name concerts in Rec Hall, bringing the smaller groups to Schwab, and encouraging local talent at the workshops."

The club is also the founding chapter of the Society of American Jazz Clubs, a national organization which helps students at other colleges found new clubs and exchanges ideas with member clubs.

In the future the club plans to establish a scholarship fund, sponsor more concerts and workshops, and form a concert jazz band for the purpose of playing original compositions and encouraging students who are jazz musicians.

Lab Produces 'Liquid Gas'

By KAY MILLS

The throbbing "campus heartbeat" heard en route to Pattee Library is, in reality, sound from the liquid nitrogen plant of the low temperature laboratory.

Hardly a pulsating fantasy from Edgar Allan Poe's writings, the maze of cylinders, condensers, cooling units and glass tubing in the Pond Laboratory plant produces liquid nitrogen, hydrogen, helium and oxygen for use in the cryogenics lab and elsewhere on campus.

Cryogenics, the study of refrigeration, involves producing low temperatures to decrease the speed of complex molecules to study their components, Dr. John G. Aston, lab director and professor of organic chemistry, said recently.

"High energy particles are slowed before those with low

energy are by this process," Aston said. "This concept may be hard to imagine without the use of this rough comparison:

"If you had some rapidly moving flywheels, they would have much stored energy because they were moving rapidly. Slow moving ones, in contrast, would have high moments of inertia.

"Placing these flywheels in a syrupy material would cause the rapidly moving flywheel to lose all its energy. The slower one would continue to rotate, hardly affected by the thick substance.

"The same type of action occurs in a molecule subjected to very low temperatures," Aston said.

The liquid gases produced by the cryogenics lab are also used in other University projects. For example, Dr. Erwin W. Mueller, research professor of physics, uses liquid hydrogen to cool his ion microscope, Aston said.

The plant develops from 1,000 to 2,000 gallons of liquid nitrogen a month for campus use, he added.

Asked what is the lowest possible temperature that could be produced here, Aston replied that there is no logical comparison between the temperature scale used in this work and the layman's practical scale.

"This scale is highly egotistical," he said, explaining that when first formulated, it ran from 100 degrees, or near man's body temperature, to 0 degrees, which was then considered the lowest man could produce.

"Being aware of this," he said, "one could possibly say that the lab is equipped to conduct experiments from ordinary temperatures to .00001 degrees Kelvin (within less than one degree of absolute zero).

"Cryogenics is a new thing in industry," Aston said. "Liquid hydrogen and oxygen are used as rocket fuels; liquid helium and hydrogen are used in making computers and communications devices. In short, cryogenics is becoming an important branch of engineering."

Spatafore Elected to ISA Office

Joseph Spatafore, sophomore in electrical engineering from Washington, Pa., was elected vice president of the Independent Students Association last night.

In other business, ISA voted to recommend to the Senate Committee on Class and Calendar Schedule that the break between classes be shortened to 15 minutes and that the break between the third and fourth periods be extended 20 minutes to allow for a lunch break.

The group also voted to recommend to the Senate Committee on Student Affairs that the committee review ISA's charter before the constitution of SGA comes up for review again.

Barry Rein, ISA president, said that the organization is allotted

no funds as long as it remains unchartered. The ISA charter was due to be reviewed after the SGA constitution was passed by the committee.

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Events of the Week

TODAY

French Institute, movie, "La Traversée de Paris (Four Bags Full)," 8 p.m., 209 Home Economics.

Hillel Foundation, Dr. Henry Finch, professor of philosophy, speaking on "Lost Challenges," 7:15 p.m., 119 Osmond.

Newman Club, Father Vincent Matthew, St. Lewis University, speaking on "The Church . . . A Sociological Fossil," 7 p.m., HUB Assembly.

TIM Movies, "Universe," 1 and 8 p.m., HUB Assembly.

THURSDAY

International Films Committee presentation, "Justice is Done," 3, 7 and 9 p.m., HUB Assembly.

Meditation Chapel Choir concert, 4 p.m., Chapel.

FRIDAY

"The Cave Dwellers" presented

by the Players every Friday and Saturday until Dec. 2, 8 p.m., Center Stage.

Can-Can, presented by the Thespians at 8 p.m. Friday, Saturday and Sunday at Schwab.

SATURDAY

Football, Holy Cross game, 1:30 p.m., Beaver Stadium.

HUB Movie presentation, "Pillow Talk," 7:30 HUB Assembly.

SUNDAY

Artist's Series presentation, Symphony with Eric Friedman, violinist, 8 p.m., Rec Hall.

Chapel Service, Dr. Samuel Protector, President of the Agricultural and Technological College of North Carolina, speaking on "The Christian Basis for Hope," 10:55 a.m., Schwab.

Hub Movie, "Pillow Talk," 6:30, HUB Assembly.

Police Arrest Man on Indecent Exposure Charge

Kenneth H. Paul of Karthaus was held in \$200 bail Monday on a charge of indecent exposure, State College Police reported yesterday. The charge arose from incidents which took place on campus Nov. 1.

Paul stopped four coeds at various locations about the campus, police said. He is said to

have asked directions for getting to College Ave. When women approached his car, he would expose himself, police said.

In his hearing before Justice of the Peace Guy G. Mills, Paul pleaded guilty to the charge. He is being held for trial in Centre County Court. No date was immediately set for the trial.

Exhibition

Recent Works:

School of the Arts Faculty in the HUB Gallery

Until Nov. 17

"What Do You Know About The Church — A Sociological Fossil?"

featuring

Rev. Vincent Matthews

The Third Speaker in

The Fall Forum Series

Presented By

The Newman Club



HUB Assembly Room

7:00 P.M. TUESDAY, Nov. 14