

2 Coeds, 3 Imports to Compete For Military Ball Queen Title

Five Military Ball queen finalists—three imports and two coeds—have been selected by Cadet Captain W. F. Dunkelburger, Regimental Commander at Virginia Military Institute, Lexington, Va., and his staff. One of these will be selected to reign over the Military Ball, Dec. 11 at Recreation Hall.

Finalists are Jouette Eifert, Shillington, Priscilla Gatchell, Arlington, Mass., and Nancy Lee Garber, Philadelphia, imports; and Elaine Kloures and Mary S. Walker, coeds.

Navy Training Program Exam Set for Dec. 12

The eighth nation-wide competitive examination for the U.S. Navy's university training program, open to male citizens between the ages of 17 and 21, will be held Dec. 12 at the University.

High school seniors or graduates within the age limits may get applications at high schools, colleges, and Navy recruiting stations.

T. R. Kemmerer, principal of the College Area Joint junior-senior high school, is the civilian representative in this area.

Information may be obtained from the NROTC offices in Engineering "E."

Candidates who pass the aptitude test will be interviewed and given physical examinations. If they qualify, their names will be submitted to state and territorial selection committees.

Students selected by committees and accepted by the college or university of their choice will be appointed midshipmen. They will receive financial assistance of \$50 per month for board and room expenses, with tuition, books, and other expenses paid by the government.

About 2000 students will begin the program next fall.

Engineers Plan Open House

Plans for the annual Engineering Open House were discussed at last night's regular meeting of the Engineering Council. No definite date was set for the program pending investigation of a time suitable to the departments in the Engineering school.

Letters have also been sent to high schools asking their preference of a date for the program. Replies received from the schools show they prefer a date in April or May.

The possibility of cutting down on the size of the program in order to make it more effective was also discussed.

In other action, the council decided to take steps to establish a memorial to the late Harry P. Hammond, former dean of the Engineering school.

Barr Named Chairman Of Research Group

William L. Barr, professor of farm management, has been elected chairman of the Northeast Farm Management Research group.

Dr. Barr helped to draw up a regional project on the economics of forage production and utilization.

Each of the agricultural colleges in the 12 northeastern states is represented in the group by one or more agricultural economists.

Barthol Will Speak

Richard B. Barthol, assistant professor of psychology, will speak at the Industrial Relations Research Association mixer at 7:30 tonight at Sigma Pi, 303 Thompson street.

Today Is Deadline For LA Pictures

Today is the last day Liberal Arts seniors may have LaVie pictures taken at the Penn State Photo Shop.

Seniors in the Schools of Mineral Industries and Physical Education and Athletics may have photographs taken today through Friday.

Miss Eifert is a nurse at Reading Hospital, and a graduate of the Reading Hospital School of Nursing. Her escort will be Jack Guerin, seventh semester arts and letters major, an Army cadet.

Miss Gatchell is a second semester liberal arts major at Cedar Crest College, Allentown. John M. Hyslop, third semester hotel administration major, an Air Force cadet, will be her escort.

Miss Garber will be escorted by Donald R. Fischer, fifth semester business administration major, an Air Force cadet.

Two Frosh Compete

Miss Kloures, first semester music education major, will be escorted by Raymond J. Carpenter, first semester chemical engineering major, a Navy midshipman.

Miss Walker, first semester education major, will be escorted by Otto Hetzel, fifth semester arts and letters major, an Air Force cadet.

Finalists were chosen from 25 entrants submitted by Army and Air Force cadets and Navy midshipmen.

Intermission Crowning Scheduled

The queen will be crowned at intermission time at the dance following a military escort through an honor line to the bandstand. The honor line will be formed by members of Pershing Rifles and the Scabbard and Blade sabre team. The queen will be selected by three professors of military science and tactics.

The finalists will receive engraved loving cups and bouquets of roses. The queen will receive an engraved crown.

Two Stags



DONALD McCANDLELESS, one of the many University students who took to the woods in search of buck this week, guards the six-point, 140-pounder he bagged at 9:10 a.m. on opening day near the penitentiary. The fifth semester agricultural engineer had been in the woods only about two hours.

University Enters Livestock Contest

The University will be represented among 27 colleges and universities competing in the collegiate livestock judging contest at the International Amphitheatre this week in Chicago.

Undergraduate students entered from Penn State are Marion Cullen, Peter Fenchak, Robert Herr, William Krisher, William Sipple, Fred Sprengle, and Paul Stone.

The students will judge various classes of horses, hogs, and sheep and are eligible for individual and team honors.

Ed, Eng Seniors May Order Gowns

Seniors in the Schools of Education and Engineering who will graduate in January may sign up for their caps and gowns today and tomorrow at the Athletic Store.

Deposit for the caps and gowns is \$5. Invitations and announcements may be ordered on the same days at the Student Union desk in Old Main.

Students who will graduate in military uniforms need not order caps and gowns.

Physics 100 Professor Believes Technical Courses Can Be Fun

By ANN LEH

"This class is more fun than a three ring circus!" "Now there's one prof who'd do well in vaudeville!" "Where does he get those ideas?"

Wander past 119 Osmond about 2 p.m. any Monday or Thursday afternoon and you're likely to hear these and other similar comments from students leaving their Physics 100 lecture period.

Cause of these remarks is Dr. Ralph Knerr, professor of physics, who decided even a subject as technical as physics can be fun.

Since physics 100 is a required course for psychology majors and is an elective science course for liberal arts students, the technical aspects of physics are made secondary to more practical applications and a broader understanding of the principles of physics.

However, to keep the students' interest during lecture hours when some technical aspects must be presented, Knerr has devised a series of experiments which provide amusement along with education.

For instance, in one experiment on the speed of projectiles as related to the speed of freely falling bodies, Knerr used as his

equipment a pool cue and two eight balls.

One ball was filled with iron and was suspended from a platform by means of an electro-magnet. The second ball was placed at the opposite end of the platform. When Knerr cued the first ball, it was supposed to roll down the platform, break the magnetic connection, and both balls were to leave the platform at the same time and hence reach ground at the same moment.

When the experiment didn't work out on the first try, Knerr was besieged with comments from pool artists in the class on the proper way to bank his shots. Whether due to their sage advice or the infallibility of scientific truths, the experiment finally proved successful.

One experiment to demonstrate the relation between mass and impact had some of the members of the class—those sitting toward the front—a little worried. A raw egg in its shell will not break when hurled against another object, Knerr explained, if that object will give.

"If I toss one of you an egg," he continued, "and if you catch it properly, it won't break. But, if you don't catch it right... Shall we try?"

The faces of a good part of the

15 P.M. at PSU?

Old Main Chimes Are Not Haywire!

By BILL SNYDER

Each night at 6 p.m. the Old Main hour chimes go seemingly insane, striking clearly 15 times. Jerry Grave, college electrician, insists the chimes don't need to be repaired; they're just observing the Angelus, a religious ritual.

Have you ever noticed it, this event, which you have doubtless heard every day of your college life?

Probably most students and faculty members haven't, for the chimes are such a familiar part of college life that they go unnoticed. For nearly two decades Penn State classes have begun and been dismissed on the sonorous tones of these chimes high in the steeple tower of Old Main.

Heard for 10 Miles

On a cold clear morning the chimes can be heard sounding the time of day by people 10 miles away. This awe inspiring performance is started by small electrically operated hammers, padded with rubber erasures, striking 5 metal coils. The sound, before amplification, is so slight that it can hardly be heard in room 408 Old Main, where the chimes are housed.

But the sound is immediately picked up by a 150 watt amplifying system, which trumpets it through eight loudspeakers in the Old Main tower—in all four directions.

Winds Cut Distance

Interestingly enough it has been found that the sound penetrates further north and east because of prevailing winds from the west and south, which cut down the travel of sound.

College maintenance men have found that the chimes need more amplification in summer than any other time of year, because nearby leaf covered trees absorb much of the sound.

Perhaps you may not have noticed it, but the pealing of the chimes is much more than just a reverberation of the same tone. One man worked out a pattern of musical scale which he insists can be discerned.

Chimes Have Pattern

There is a pattern of repetitions and variations blended together to produce a definite rhythm. Using this scale a verse has been worked out, which can be sung or recited to the clang of the chimes.

"Ring out, O bells
Your ancient chime
Whose cadence tells
The flight of time."

The quarter hour chimes don't continue for a full 24 hours. At 7:15 in the morning the chimes begin and continue until 5 p.m. Then they are mute, except for Angelus, until 6:15 p.m. They begin and remain pealing off the (Continued on page three)

Court Hears Five Traffic Violations

Traffic court last night gave suspended sentences to three violators and fined two others.

A third semester business administration major was given a \$1 suspended fine for parking violation.

A seventh semester agronomy major, who was summoned on a second offense, received a suspended fine. The student claimed that he was an employee of the student dry cleaning agency, and had parked his car in the Atherton service court on business. The court decided that a letter should be written to the Campus Patrol office, concerning this case, asking for special consideration.

A refund card for \$3 was given to a fifth semester business administration major, who had been fined \$4 for a first offense.

A fifth semester arts and letters major paid a \$1 fine for a second offense, parking in the Old Main service drive.

A first semester general agriculture student, who was called before the court on two parking offenses, had the first offense dismissed, and was fined \$1 for the second.

Failure to stop at the stop sign at the corner of Pollock road and the Mall drew a suspended fine for a first semester business administration student. He said he thought the sign applied only to class hours.

Radio--

(Continued from page one)

noon as their listening preference. Under the types of programs the students listen to most, music was again the favorite of 77 per cent. Special event programs are preferred by 14 per cent while 7 per cent tune in on dramatic presentations the most.

In the dramatic field, 61 per cent of the students interviewed showed a preference for comedy shows. Serious or mystery programs are most appreciated by 35 per cent.

Athletic programs obtained the greatest number of votes in the special events category with 39 per cent of the students in favor of them. News broadcasts were very close to the sports events in popularity with 35 per cent voting for them. Lectures, forums, discussions and other types of productions were evenly distributed with an approximately 6 per cent for each.

ONLY

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MORE

SHOPPING DAY

TO CHRISTMAS

Now is the time
For all good men,
To do their State College
Christmas shopping again
IN STATE COLLEGE