



—Collegian Photo by Margie Frear
ADD-SUBTRACT-MULTIPLY-DIVIDE—Richard Schmoier, graduate student in electrical engineering from Macungie, operates the Westinghouse Network Calculator in the basement of the Electrical Engineering Building. The calculator will be used by electrical engineers to solve complex mathematical problems.

\$150,000 Caculator Aids EE Students

By KAY MILLS

A replica of the systems of all major power companies can often be found in the basement of Electrical Engineering Building!

This replica exists inside the many tubes and wires of the \$150,000 Westinghouse Network Calculator when students

Men to Debate At Pittsburgh

A court-room type debate is on the agenda this weekend for four members of the Men's Debate Squad when they participate in the Pitt Cross Examination Tournament at the University of Pittsburgh.

This debate differs from the usual type in that after a member of one team has given his arguments, a member of the opposing team cross-examines him.

Vernon Barger, senior in engineering science from Curllsville, and Arthur Ichter, senior in business administration from Ashley, will debate the affirmative.

The negative side will be upheld by Robert Uetz, senior in arts and letters from Philadelphia, and Alan Davidson, senior in arts and letters from Clearfield.

The results of one of last weekend's tournaments at Temple University in Philadelphia showed the team won six of their debates and lost two.

SAME Will Conduct Final Semester Meeting

The Society of American Military Engineers will hold its final meeting of the semester at 7 p.m. Thursday in the Mineral Science auditorium.

Following a business meeting, an uncut World War II battle film will be shown.

Trautman to Present Message on Peace

"My Peace I Give Unto You" will be the sermon topic of Charles Trautman, program associate on the University Christian Association staff, at the Protestant Service of Worship at 9 a.m. tomorrow in the Helen Eakin Eisenhower Chapel.

The Meditation Chapel Choir under the direction of James Beach will sing the choral anthem "Come, Thou Long Expected Jesus" by Henry Ley. The organist will be Jerry Manning.

Trautman came to the University for this year, as an intern with the Presbyterian University Center. He is between his second and third years at Yale Divinity School.

The Westminster Fellowship will meet at 6:20 p.m. tomorrow for a worship service, followed by Christmas Caroling. The graduate group will meet at 5:30 p.m. at the home Miss Ruth St. Clair, 1006 Bell Ave.

The Baptist Student Organization will meet at 8:30 a.m. tomorrow for Bible Study. Church services will be at 9:30 and 10:50 a.m. with a Christmas Candlelight Vesper service at 4:30 p.m. Members will have dinner at 5:30 p.m. and will go Christmas caroling at 6:30 p.m.

The Newman Club will sponsor a Communion breakfast at 10:30 a.m. tomorrow at the State College Hotel. Breakfast will cost \$1.25. Matthew C. Farrell of Seton Hall University will speak on "Separation of Church and State."

Masses for Roman Catholics will be said at 8, 9:30 and 11 a.m. and 4:30 p.m. tomorrow at Our Lady of Victory Church and at 9 a.m. in Schwab Auditorium.

The R'nai B'rith Hillel Foundation will sponsor the showing of a movie on George Gershwin entitled "Rhapsody in Blue." It will be shown at 8 tonight at Hillel.

Dr. Henry A. Finch will speak on "Green—The Last Angry Man" at 7:30 p.m. Monday in the lounge. Rabbi Hillel A. Fine will speak on Thursday on "Where Judaism Differs"—The Place of Judaism Among the Religions of the World.

The United Student Fellowship will hold a Christmas Carol sing at 6:30 p.m. tomorrow in the Faith United Church of Christ.

The Christian Science service will be at 11 a.m. Sunday with Sunday school also at 11 a.m. The Wednesday evening meeting will be at 8 p.m.

Williams Will Give Christmas Chapel Sermon

The Rev. Preston N. Williams, acting University Chaplain, will deliver "The Christmas Meditation" at the University Chapel service of worship at 10:55 a.m. tomorrow in Schwab Auditorium.

One hundred members of the Meditation Chapel Choirs, conducted by James W. Beach, will present the special Christmas Music.

The musical numbers include: "How Brightly Shines the Morning Star" by Nicolai-Bach as the introt, "Come, Thou Long Expected Jesus" by Henry G. Ley as the anthem, followed by three carols, "The Morning Star" by Vigil Thomson, "Shepherds Loud Their Praises Singing" by Alec Rowley and "The Three Kings" by Luis Romeu.

George E. Ceiga, University organist, will play Fantasia on "Veni Emmanuel" by Alec Rowley as Prelude; Greensleeve—"What Child is This" by Richard Purvis as Offertory; and Toccata on "How Brightly Shines" by Garth Edmundson as Postlude.

Darwinian Tickets Available Monday

The distribution of tickets for the lecture to be presented Wednesday night by Dr. Carleton S. Coon will begin at 9 a.m. Monday at the Hetzel Union desk.

Coon, who is curator of ethnology and professor of anthropology at the University Museum, Philadelphia, will speak at 8 p.m. Wednesday in Schwab Auditorium on "The Origin and Development of Man's Culture."

The lecture is the third of the Darwinian Series, sponsored by the University Lecture Series. Tickets are distributed to students without charge and will go on sale for non-students at \$1.25 apiece.

SUNDAY, DECEMBER 13 7:30 P. M.

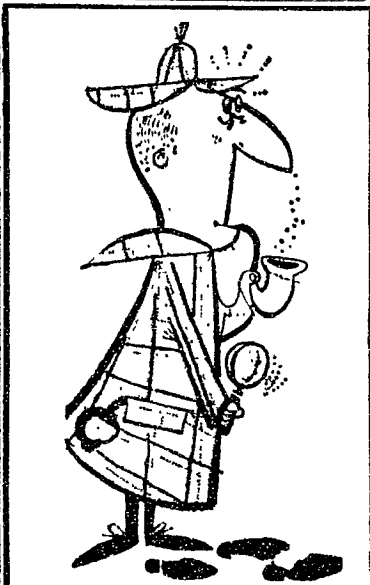
G. F. HANDEL'S "THE MESSIAH"

at GRACE LUTHERAN CHURCH

400 W. College Ave.

45 VOICE CHOIR

9 PIECE ORCHESTRA



No Need to search . . .

You'll find FREE BOOKMARKS AT B ALFURD, Careful Cleaners

A set of six is yours for the asking . . . Just walk in and say—I'm here for my free bookmarks.

When you bring your Dry Cleaning to our New Store, we have an extra FREE Gift for you!

BALFURDS, Careful Cleaners S. Garner St.—New Store Opp. Campus Shopping Parking lot, next to McLanahans State College

get off your pad, dad...



GO GREYHOUND (for out-of-this-world savings!)

No, there's no Greyhound Scenicruiser® Service to outer space—yet. But if you're rocketing home for the holidays, there's no better way to go! It costs less than driving your own jalopy, too. With this exclusive Greyhound Service, you get more—pay less. Get in orbit...go Greyhound.



COMPARE THESE LOW, LOW FARES:

Philadelphia . . . \$5.65 New York . . . \$8.25 Harrisburg . . . \$2.55 Pittsburgh . . . \$4.95

*plus tax

BAGGAGE PROBLEMS? You can take more with you on a Greyhound. Or, send your belongings by Greyhound Package Express. They arrive in hours and cost you less!

It's such a comfort to take the bus . . . and leave the driving to us!

146½ N. Atherton St. State College, Pa. AD 7-4181



PHILADELPHIA HOTELS

Nearest Philadelphia Stadium OFFER SPECIAL LIBERTY BOWL ROOM RATES!

. . . for Penn State students and faculty Economical regular rates for alumni and friends
Single rooms . . . \$5. Double rooms . . . \$ 6.50
Twin rooms . . . ea. pers. \$4. Double rooms . . . \$ 8.50
Rooms for 3 or 4, ea. pers. \$3. Twin rooms . . . \$11.00

All rooms with private bath, and radio — many with TV

Buses direct to stadium

Wire, phone, or write:



John Bartram Broad & Locust Streets Philadelphia 7, Pa. KI 6-1100



Sylvania Locust just off Broad Street Philadelphia 7, Pa. PE 5-7200