

EE Operates Station To Track Satellites

By JOEL MYERS

A satellite tracking station located in the Ionosphere Laboratory in the Electrical Engineering building is one of five such stations in the United States.

It is used to track satellites that pass within range of its receiver by means of radio signals transmitted from the artificial moons.

Dr. William Ross, associate professor of electrical engineering, and his assistants operate the station when a satellite is in tracking range. Since this can happen at any time of the day or night, the job has very irregular hours.

Ross explained the objectives of the tracking program as the study of the properties of the upper atmosphere to a height of 1000 miles. He also said that by interpolation some knowledge can be obtained of the radiation bands located several hundred thousand miles above the earth's surface.

The correction for accurately pinpointing satellite positions and the determination of fluctuations in the earth's magnetic field were mentioned as two other goals of the project.

The tracking program was begun at the end of 1957 under IGY sponsorship and has been continued under the support of the Air Force. Two graduate assistants, several undergraduate technicians and computresses aid Ross in operating the equipment.

Many of the instruments that are used to track the 'moons'

were built on the campus with student help.

At present, the only two satellites that are transmitting signals are Sputnik III and Explorer VII. The Russian moon sends out a short beeping sound, while the American one emits a continuous wobbling sound.

Ross pointed out that the main purpose of the project is theoretical and he was not sure how the data would be used. While he feels there may be no immediate application for it, he believes that some practical uses will come to light in the future.

AIM Will Hear Report On Progress of Merger

The Association of Independent Men will hear a progress report from the committee on the AIM-Leonides merger at a meeting at 7 tonight in 203 Hetzel Union

New Program To Supplement Mining Courses

A student-trainee program to supplement the regular four-year curriculum in mining engineering has been inaugurated by the Department of Mining.

The new plan, explains Dr. Howard L. Hartman, professor and head of the Department of Mining, has resulted from concern about the shortage of engineers entering the mining industry in contrast with the demand and opportunities for young men in this field.

"A sharp decline in mining engineering enrollment at most universities during the past two years indicates the situation is growing steadily worse," Hartman says.

The program, which will go into effect in July, is designed specifically to benefit companies in the mineral industries by providing a steady supply of technical personnel.

Students enrolling in the program will attend school six months, then work in industry six months, over a four-year period. The fifth year they will remain in school continuously.

For CLASSIFIEDS Call UN 5-2531

Carson Names Frosh Board

The first meeting of the newly-formed freshman advisory board will be held at 3:30 p.m. Sunday in 203 Hetzel Union.

Robert Carson, president of the freshman class, said yesterday that he, with the help of the Cabinet Personnel Interviewing Council, chose 38 members.

They are: David Armbruster, Morris Baker, Nancy Barnhart, Lynne Bordonaro, Susan Common, Judith Everett, Barbara Freed, Larry Garlock, Joan Gilliland, Mary Goodrich, Dennis Grubb, Elizabeth Horn, Gretchen Huester, Barbara Irwin, Louise Keefer, Jolianne Kuppinger, William Lenker, Frank Leslie, Carol Longaleer, Louise Mitchell, Joseph Moore.

John Morris, Elvin Newhart, Mary O'Donnell, Hershel Richmond, Robert Rinehart, Lawrence Rothsliat, Marilyn Sauer, Ruth Schleider, Sandra Schwartz, Elizabeth Skade, Steven Sohrauer, Lynn Strayer, Mary Swed, Edwin Urie, Barbara Watchorn, Philip Weiss, Susanna Whisler and Eugene Zuckerman.

Thirty-six alternates were also chosen, Carson said.

—The dollar that does the most good for us is the dollar in circulation.

Journ School Receives 'Reader Digest' Gift

A gift of \$250 from the "Reader's Digest" will be used by the School of Journalism to cover travel expenses for journalism students doing research on magazine articles, H. Eugene Goodwin, director of the school, said.

The gift is expected to be the initial part of a continuing support program for this journalism training.

Mat Publication--

(Continued from page seven) system) and have a little noise at my practices."

Ron Pifer, Dan Johnston, Neil Turner, Denny Slattery and Whitey Noll, the latter two freshmen, wrestled in the Lock Haven YMCA tournament Dec. 18-19 and each man won the title in his weight class.

Pifer, in addition, was voted the outstanding wrestler in the tournament.

Curriculum Proposal--

(Continued from page one) low the possibility that a student could get a bachelor of arts degree with 84 possible credits in the field of math and science.

William Pervin, assistant professor of mathematics, reported that numerous schools including Harvard, Yale, Rutgers, and Bryn Mawr require only 42 or fewer credits in basic requirements for mathematics-science majors.

CLASSIFIEDS

CASH—17 words or less
CHARGE—12 words or less
\$.50 one insertion
\$.75 two insertions
\$ 1.00 three insertions
Additional words—3 for .25
for each day of insertion
ADS MUST BE IN BY 11:00 A.M.
THE PRECEDING DAY

FOR SALE

RACCOON COAT, full-length, good condition, reasonable. Call UN 8-2628.

1949 FORD V-8, overdrive, excellent running condition—\$150. Call Gupta at UN 5-2071 or AD 8-0242.

25 FT. ELCAR House Trailer, excellent condition. Must sell by Feb. Call AD 8-2360 after 6 p.m.

1957 CHEVROLET 2-door 210 model. Price \$1195. Less than 25,000 miles. Call AD 7-3122.

M.G.A. 1958 convertible, R&H, wire wheels, supercharger—\$1800. Call AD 8-1924.

ENGLISH BIKE, good condition. Must sacrifice 301 W. Beaver, Ed Signal.

FULLY EQUIPPED 1939 Plymouth sedan. Contact H. C. Lawrence Smith, UN 8-6038.

A 120 BASS Noble Accordion, 22 switch. Excellent condition. Phone AD 8-1958.

LAMBERTA MOTOR Scooter Sales, Service, Accessories and Insurance. Call AD 8-0021 after 5 o'clock.

FOR RENT

LARGE DOUBLE room, excellent for two roommates one block from campus. Available Feb. 1. 224 S. Pugh St. Call AD 7-3052.

HALF DOUBLE room one block from campus, 224 S. Pugh St. Available immediately. Call AD 7-3062 or AD 7-3910.

SINGLE ROOM for rent. First block off campus. Newly furnished. Phone AD 7-4056.

ONE DOUBLE room for rent in quiet home. Price reasonable. Call AD 7-4329.

LARGE APARTMENT, partly furnished in comfortable home on quiet street in State College. Owner a widower, will provide same rent free in exchange for his meals for married couple with no children or small family. Call AD 7-2270 or AD 8-0564.

COMFORTABLE MODERATE rate accommodations with private bath or running water. Colonial Hotel, 121 W. Nittany Ave., State College. AD 7-4850 or AD 7-7792.

LOST

GLASSES—tortoise shell frames, behind HUB. Nov. 19th. Jan. UN 5-0173.

1958 CARLISLE H.S. class ring. Call Cal AD 8-0154. Reward.

LADY FLGIN watch, scabb band, before vacation. Reward. Call B.J. UN 8-5005.

LIT TEXT from Howlolf to Sheridan. Need desperately! Call Beth AD 7-2195. Reward.

GREY FUR-LINED Gloves, 10 Sparks, about 4 p.m. If found call Bill UN 8-7984.

WANTED

WANTED OLD U.S. coins, Indian Head Pennies, Liberty Head Nickels, etc. AD 7-3702 after 6 p.m.

WANTED—MALE student to buy down contract for spring semester. Contact Ed Dowling, 212 Jordan, Box 226, UN 8-6448.

MISCELLANEOUS

MEET ME at the Pow Wow, Beaver Ave.

ENROLL NOW for ballroom dancing, tap, ice or acrobatic lessons. Professional School of Dance. AD 8-1078.

LUCKY STRIKE presents

Dear Dr. Frood:

BAFFLING BLOT FAILS TO FAZE FROOD!

(see below)

Dear Dr. Frood: Every night for the past two weeks I've dreamt that I am being pursued by a beautiful girl in a Bikini who wants one of my Luckies. Just as she catches me, I wake up. How can I prevent this? *Puzzled*

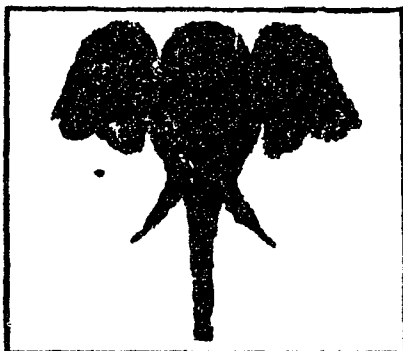


Dear Puzzled: Go to bed a few minutes earlier.

Dear Dr. Frood: I am the ugliest guy on campus. My face looks like 90 miles of bad road. When I go to a party someone always steals my date. I worry about this. Can you help me? *Loveless*

Dear Loveless: Take heart. Any girl who would go out with you isn't worth worrying about.

Dear Dr. Frood: I think this ink blot looks just like rabbit ears. My friends say I'm nuts. What think? *Bugs*



Dear Bugs: It's your friends who are nuts. Those are clearly rabbit ears. And the long shape extending down is the rabbit's trunk.

Dear Dr. Frood: I have invited three girls to the dance this Saturday. How do I get out of this mess? *Uptha Creek*

Dear Mr. Creek: Tell two of them to dance with each other until you cut in.

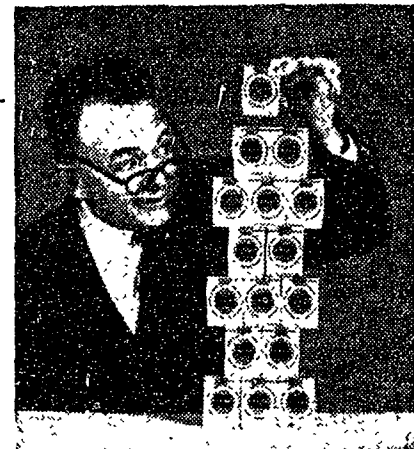
Dear Dr. Frood: I have been dating one girl but I am so good-looking and so popular that I have decided to spread myself around a little more. What should I do about this girl? *Dashing*

Dear Dashing: Tell her the good news.

Dear Dr. Frood: My roommate always wears my clothes. What should I do? *Put Upon*



Dear Put Upon: Cover yourself and stay indoors.



Dr. Frood, Ph.T.T.

Dear Dr. Frood: My mother and my brother don't like my boy friend, but my father and my sister do. His father and two brothers don't like me, but his mother and his other brother do. What should I do? *Miss Muddle*

Dear Miss Muddle: Tell your father to talk to your mother and tell your sister to talk to your brother. Then tell your boy friend's mother to talk to his father and tell his brother to talk to his brothers. If that doesn't work, then talk to your mother and brother yourself. Maybe they know something you don't know.

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