

Agreement on Radio Frequency Coeds Elect Officers Said Violated by Red Satellite For Dormitory Units

By DAVE FINEMAN
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Alex Simkovich, engineer for Project Vanguard—the U.S. missile program—and a University alumnus, yesterday said the Russians violated an International Geophysical Year agreement by sending its satellite signals on 7.5 and 15 megacycles.

In an interview, Simkovich said the nations engaged in the 18-month "Year" had agreed to have all satellites send signals on a frequency of 108 megacycles.

The lower broadcasting frequency, Simkovich said, accounts for the much larger size of the Soviet "beeping ball" because it requires a much larger power supply.

Most of the Russian satellite's 184 pounds is taken up by chemical batteries, he said.

The U.S. satellite, scheduled to be launched in the spring, will weigh only 21.5 pounds, since its power supply will be much smaller than that of the Russians, Simkovich said.

Six launchings are scheduled by the U.S., he said. Prior to the first satellite launching, several rockets will be sent aloft with small satellite-like missiles known as "test vehicles," Simkovich said. Each of the small spheres will carry two transmitters and will, it is hoped, radio back information from the 300-mile zone; these spheres will be 6.4 inches in diameter.

A minimum of three types of satellites will be sent up by the U.S. in six launchings, Simkovich said, depending upon the success of each of the launchings. If each type of satellite proves successful on its first launching, a second launching will not be made.

If all of the first three launchings are successful, Simkovich said, as many as three additional satellite types could be sent aloft.

The satellites, he said, will be carried out to a 300-mile orbit by a three-stage rocket; each of the stages will drop off in turn as its fuel is exhausted.

The first stage will provide about 12 per cent of the thrust, he said, the second about 35 per cent and the third about 50 per cent.

The earth's rotation will provide about 3 per cent of the satellite's thrust into its lonely orbit, Simkovich said.

When the first satellite is thrust into an elliptical orbit 300 miles above the earth, he said, it will radio back information on temperature, collisions with cosmic dust (micrometeorites), metal erosion, punctures of the shell and changes in radiation as the missile leaves the earth's layers of air and is exposed to the bare rays of the sun.

The second satellite will measure cosmic radiation above 300 miles, he said.

The third, known as the magnetometer, will record the flux of the earth's magnetic field, Simkovich said.

The satellites will be launched from the Patrick Air Force Base in Cocoa Beach, Fla. The program is under the direction of the Naval Research Laboratories in Washington, D.C.

Simkovich received his master's degree in metallurgy from the University in 1956. He received his bachelor's degree here in 1955.

25 Women Elected To Indie Council

Twenty-five representatives from women's residence halls units have been elected to Leonides, independent women's organization.

They are: Ann Hockenberger, southeast unit of Atherton; Doris Oakes, southwest unit; Barbara Green, northwest unit and Sarah Phillips, northeast unit.

Other representatives are Sally Sietz and Barbara Hale, Ewing; Willie Blumenthal, Grange; Adele Reytar, Haller; Phyllis Lang, Hibbs; Carolyn Butler, Lyons and Margie Mott, McAllister.

Representatives from McElwain are Ruby Seaman, unit one; Nancy Heyman, unit two; Elaine Penell, unit three and Vaughn Lee Goode, unit four.

Bonnie Doolittle was elected from unit one of Simmons; Mary Alice Griesemer, unit two; Harriet Plotnick, unit three; and Elizabeth Prough, unit four.

Stephens representative is Diane Siegman.

Daunna Doebler is the representative from unit one of Thompson, Nancy Rothwell, unit two; Sally Booth, units three and four and Rita Saltzer, units A and B.

Andrea Breston is the Woman Building representative.

These women will represent the independent women in their residence halls units and will attend the weekly meetings of Leonides Council at 6:30 p.m. Mondays in 203 Hetzel Union.

Arts, Sciences--

(Continued from page one)
East and one of the great state universities in the country.

The report said "there is a fitness in these recommendations which the University will overlook at its peril. The values of liberal education must be made the real as well as the ostensible objective of the University."

The team praised the University, Dennis said, "for the thoughtful and forthright redefinition of its objectives which had been made by the Senate" but said at the time of the evaluation visit "that Penn State was not" doing all it could "to make those objectives a reality."

The University has given particular consideration, Dennis said, to these recommendations "relating to the need for a strengthened program of basic education in the arts and sciences."

Skiers to Meet Tomorrow

The skiing division of the Outing Club will meet 7 p.m. tomorrow in the Hetzel Union auditorium.

Faculty Panel Will Discuss Mid-East Crisis

The International Relations Club will present a faculty panel discussion on "The Eisenhower Doctrine and the Middle East Crisis" at 7:30 tonight in the memorial lounge of the Helen Eakin Eisenhower Chapel.

Members of the panel and their subjects are:

Dr. Vernon V. Aspaturian, assistant professor of political science, "Russian Middle East Policy"; Dr. John A. DeNovo, associate professor of American history, "American Middle East Policy"; Dr. Frederick R. Matson, dean for research in the College of the Liberal Arts, "Arab Nationalism"; and Dr. Zev Pelled of the Atomic Energy Commission, "An Israeli View."

Dr. Luke T. Lee, associate professor of political science, will be the moderator for the panel.

The purpose of the club is to increase interest in world affairs among college students and to stimulate discussions on current events by presenting programs that will give first hand information to club members and guests at monthly meetings.

Vanderbilt Tickets Will Go on Sale

About 2500 football tickets for the Penn State-Vanderbilt Alumni Homecoming football game will go on sale at 8:15 a.m. today at the ticket office, Recreation Hall.

The tickets, priced at \$4, will be on sale from 8:15 to noon and from 1 p.m. to 4:30 p.m. weekdays and from 8:15 a.m. to noon on Saturday.

Ticket manager Edward Czekaj said the William and Mary-Lion grid contest is a complete sellout and a crowd of 32,000 is expected.

Penn State Jazz Club Meeting Tonight - 7:30

121 Sparks
Tickets for Club Members Will Be On Sale for DIZZY GILLESPIE CONCERT

Education Majors... S.E.A.P. (formerly F.T.A.)

invites you to its First Meeting October 9 at 7 p.m. 10 Sparks (Late permissions for freshman women)

Women students in residence halls, town women and college co-operative women elected officers Monday night. One contest ended in a tie and a re-election will be held.

Elected were:

McElwain unit one, Heather Lohrenz, president; Carolinda Paynter, vice president; and Judith Stock, secretary-treasurer.

McElwain unit two had a tie for president; Heather Davidheiser, vice president; Marion Warner, secretary-treasurer.

McElwain unit three, Marlyn King, president; Arlene D'Onofrio, vice president; and Mary Little, secretary-treasurer.

McElwain unit four, Sally Laine, president; Rachel Waters, vice president; Darlene Anderson, secretary; and Audrey Johnson, treasurer.

Simmons unit one, Janice Waddell, president; Margaret Kvachay, vice president; Patricia Joy, secretary; and Mary Weeks, treasurer.

Simmons unit two, Patricia Leh, president; Marjorie Ludwig, vice president; Anne Ruthrauff, secretary-treasurer.

Simmons unit three, Janet Grayson, president; Jonnylee Rodgers, vice president; and Linda Lowenthal, secretary-treasurer.

Simmons unit four, Patricia Peterson, president; Harriet Felder, vice president; Jeanne Hickert, secretary; and Janis McCall, treasurer.

Hibbs women, Barbara Hill, president; Carol McWhorter, vice president; and Judith Hecker, secretary-treasurer.

Haller women, Barbara Martino, president; Mary Paxton, vice president; and Judith Bowers, secretary-treasurer.

Ewing women, Elaine Mondell, president; Isabel Highbarger, vice president; and Carol Jones, secretary-treasurer.

Lyons women, Leah Bibleheimer, president; Penelope Atkinson, vice president; Gail Buhrow, secretary; and Betty Orcutt, treasurer.

Ewing women, Susann Leitz, president; Evelyn Pratt, vice president; Elaine Johnson, secretary; and Kathleen Muscalino, treasurer.

Atherton northeast unit, Henrietta Harris, president; Barbara Bills, vice president; Katharine Hughes, secretary; and Janice Henderson, treasurer.

Atherton northwest unit, Susan Sherman, president; Nancy Nicholson, vice president; Patricia Packer, secretary; and Marilyn Singer, treasurer.

Atherton southeast unit, Jane Taylor, president; Patricia Kessler, vice president; Barbara Potansky, secretary; and Linda Miller, treasurer.

Atherton southwest unit, Bonnie MacLean, president; Linda Harmon, vice president; Joyce Standish, secretary; and Gail Platt, treasurer.

Women's Building, Margaret McPherson, president; Jane Lambert, vice president; Jacqueline Long, secretary; and Patricia Blankenship, treasurer.

Grange, Rhoda Kinney, president; Bobbie Englebrink, vice president; Sue Stowe, secretary; and Ellen Mullikan, treasurer.

Stephens, Carol Stollmeyer, president; Carlene Karick, vice president; Thora DeLavern, secretary; and Judith McClellan, treasurer.

McAllister, Edna Cogawell, president; Lucile Sharp, vice president; Barbara Bragdon, secretary; and Caroline Mertz, treasurer.

Thompson unit one, Judith Levine, president; Arlene Starkey, vice president; Louise Lansbury, secretary; and Georgine Cooper, treasurer.

Thompson unit two, Betty Thompson, president; Clara Enck, vice president; Lisa Luckett, secretary; and Barbara Simmons, treasurer.

Thompson unit three, Carolyn Allison, president; Patricia Frank, vice president; Alice Pastorias, secretary-treasurer.

Thompson unit four, Catherine Fleck, president; Helen Stahl, vice president; and Bonnie Bailey, secretary-treasurer.

Upperclass town women, Phoebe Humphrey, president; Erika Marek, vice president; Elaine Baker, secretary; and Lynda Hillman, treasurer.

Freshman town women, Nancy Gilliland, president; Judy Fredricks, vice president; and Nancy Smith, secretary-treasurer.

College co-operative, Gwen Spiese, president; Freddie Hill, vice president; Ann Bartholomew, secretary; and Alice Hunsberger, Women's Student Government representative.

STATE NOW
Feat. 1:30, 3:31, 5:32, 7:33, 9:37
No DOWN PAYMENT
CINEMASCOPE

CATHAUM
Now - 1:09, 3:09, 5:14, 7:21, 9:30
Ann Blyth - Paul Newman
"HELEN MORGAN STORY"

NITTANY
Now - 6:03, 7:54, 9:43
"MLLE. STRIPEASE"
THURSDAY & FRIDAY
Suspense, High-Tension
Excitement!
"THE STRANGER'S HAND"
Trevor Howard - Alida Valli
Richard Basehart

WMAJ Programs
WEDNESDAY

6:30	Sign On
6:32	Morning Show
8:30	Morning Devotions
8:45	Morning Show
10:00	News
10:05	Classical Interlude
11:00	News
11:05	Swap Shop
11:20	Music for Listening
11:30	News
11:35	Queen for a Day
12:00	Music at Noon
12:15	Centre County News
12:30	What's Going On
12:35	Music
12:45	Area Sports
12:50	Strike Up the Band
1:00	World News
1:15	Afternoon of Music
5:05	Bob and Ray
5:30	News
5:35	Music for Listening
6:00	News and Market Report
6:30	Sports Special
6:45	Music
6:55	Local News
7:00	Fulton Lewis, Jr.
7:15	News
7:20	Music for Listening
7:45	Good Man to Know
8:00	News
8:05	Gang Busters
8:30	News
8:35	Horatio Hornblower
9:00	News
9:05	Music of the Masters
10:00	News
10:05	Groovology
11:00	A Look at Sports
11:05	News
11:10	Groovology
12:00	News and Sports
12:05	Groovology
12:55	News and Sports
1:00	Sign Off

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