



HOTLINE

PRINCETON PLASMA PHYSICS LABORATORY

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Satellite Data Link In The Offing

Two satellites that have been orbiting the Earth since 1974 will soon be used to transfer data between PPL and the National Magnetic Fusion Energy Computer Center (NMFECC) at the Lawrence Livermore Laboratory in California.

Starting in January 1981, the satellite hookup will link the PPL User's Service Center PDP-10 with the Cray-1, the world's fastest computer, at the NMFECC. The connection enables processing of programs much faster than would be possible using PPL equipment alone. The NMFECC serves as a central computer facility for all DOE contractors engaged in magnetic fusion energy research.

The satellite link will replace presently used overland cables, since the volume of information being transferred, particularly computer graphics, is filling these lines. The satellite hookup will also be less expensive than using terrestrial facilities.

At first, the satellites will transmit data only between PPL and the NMFECC at a rate of about 56 kilobits (56,000 computer bits) per second. After about six months, computer links to Oak Ridge National Laboratory, Los Alamos Scientific Laboratory, and General Atomic Corporation will be added.

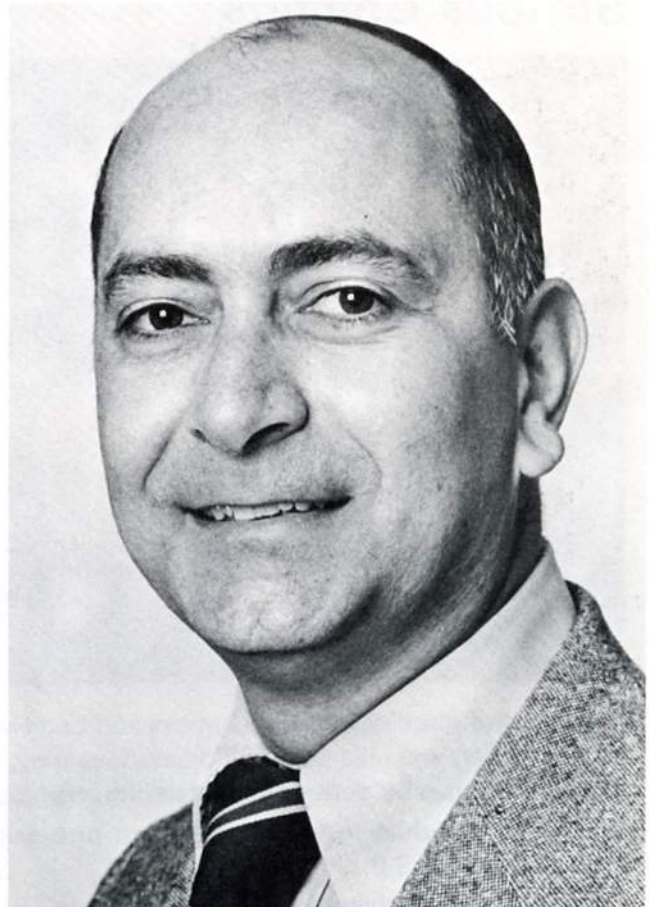
Use of the satellites will require the installation of two 5-meter antenna stations at PPL. The dish-shaped antennas will be located adjacent to the Lab/Office Building at C-Site. According to Paul Funk, Head of Hardware and Special Projects in the Computer Department, the location had to be chosen carefully so as not to interfere with already established satellite communications, particularly those from the nearby RCA plant.

The satellites that will be used were manufactured by the American Satellite Corporation, a subsidiary of Fairchild Industries.

Candelori Named Business Manager

Angelo V. Candelori, formerly Manager of Compensation, has been named to the position of Business Manager of the Administration Department. In his new position, Angelo provides management and administrative support in the budget, cost, and personnel areas of the Administration Department. He reports to Dick Rossi, Associate Director and Head of the Administration Department.

Angelo's new office is room 340 of the LOB, and his extension is 2813.



Angelo Candelori

Art Groups Combined

Effective October 1, the Graphic Arts and Technical Illustrations Sections of the Communications Office have joined to form a new Graphic Services Section, headed by Bernie Giehl. The group is responsible for laboratory-wide art services including the production of technical graphs, miscellaneous line-art, 3-D perspective drawings, artist renditions, exhibit and publications design and layout.

Requests for graphics services should be directed to Bernie Giehl, Room 177, Module II, C-Site.

Princeton University League

A sherry party, a trip to an art exhibit and a gargoyle tour of main campus are just three of the activities on tap for the Princeton University League in October.

The League will provide an opportunity for wives new to the university to meet at a Morning Coffee Oct. 7 at 9:30 a.m. in the Hibben-Magee Apartments. The following day, a family trip to Doyles-

town, PA will visit the Mercer Museum of Early American Living and Fonthill, Dr. Mercer's 'castle'. A trip to the Montclair Art Museum to view the John Sloane exhibit is scheduled for Oct. 15.

The monthly wine and cheese party for university singles will be held in Murray Dodge Hall on Oct. 22. Then you'll get the opportunity to meet the university's own goblins during the League-sponsored campus tour of gargoyles on Halloween.

Formed in the 1920's, the League offers a myriad of services to university families. Programs are held frequently, with numerous trips and social events slated throughout the year. The League also publishes a newcomer's guide to Princeton, runs a furniture exchange, and provides volunteer workers to the university Art Museum.

League membership is open to everyone officially associated with Princeton University. For further information on any October events, or on the League itself, call the League offices at 452-3650 weekdays between 9 a.m. and 1 p.m.

Softball Champs



Led by the pitching of John Gumbas and Len Halvorsen, the hitting of Bob Raimond, Frank DiBella and Tom Painter, and all-around solid defensive play, the RF Heaters capped an undefeated season in the PPL Softball League by dethroning defending champions, Vacuum Shop, 7-4.

The victory, which gave the RF team possession of the championship trophy, preserved the team's season record at 6-0.

Members of the championship team include Top row, l. to r. Rich Martinez, Dave Miller, John Gumbas, Frank DiBella, Mike Vocaturo, Dick Moore, Bob Raimond, Bottom, l. to r. Tom Painter, Steve Duritt, Pat Walker, John Lekko, Darrel Young, Len Halvorsen, Paul Karitis, Dave Ciotti and Dennis Jones.