

# FERMINews

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## COMPUTING DEPARTMENT REORGANIZES

The Computing Department has been reorganized to better serve the scientific community and to take advantage of new technologies.

One of the major changes is that PREP-- acronym for Physics Research Equipment Pool-- and Instrument Repair have been transferred from Research Services to the Computing Department. Familiar people with new responsibilities include Jeff Appel, who is now associate head of the Computing Department and head of the new Data Acquisition Group in the Department. The Data Acquisition Group includes both the hardware and software efforts associated with gathering data for the high energy physics experiments at the Laboratory.

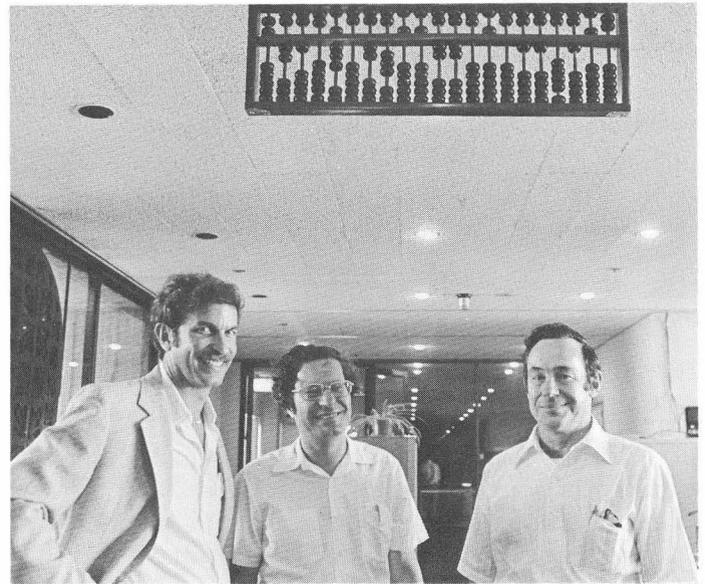
Appel, a physicist, joined the Department from the Energy Saver Division.

Art Neubauer, who was in charge of FREP and Instrument Repair with Research Services, is now head of the Hardware Group which includes PREP, Instrument Repair and Mini-Computer Maintenance, headed by Chuck Andrle and Rich Knowles, respectively. Andrle was with Research Services, and Knowles was already with the Computing Department.

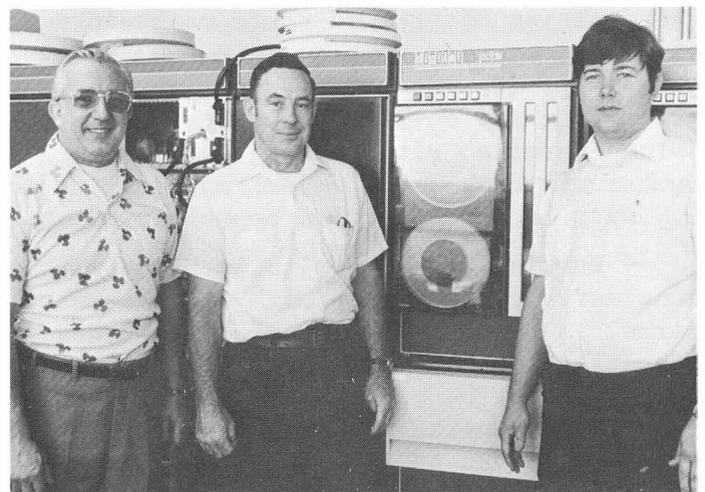
"In their new positions, Appel, Neubauer, Andrle and Knowles have increased responsibilities and challenges," said Al Brenner, head of the Computing Department. "We are pleased to have them in these key reorganization positions."

For the time being, however, PREP and Instrument Repair will remain physically on the 14th floor of the Central Laboratory. Both Brenner and Appel explained that a "physical consolidation" is anticipated in the near future.

What Brenner and Appel described as the "boundary" in basic data acquisition, between on-line computation and data gathering, has dissolved somewhat with the advances in electronics and other disciplines. The



*(L-R) Jeff Appel, Al Brenner and Art Neubauer. Brenner said, "The meeting was held in an area containing a most stable and valued computing element," referring, of course, to the abacus overhead. "It's maintenance free and always works," he added.*



*(L-R) Chuck Andrle, Art Neubauer and Rich Knowles.*

dissolution of the boundary makes it much more natural for the Laboratory to bring together PREP, Instrument Repair and the mini-computer hardware and software. This new approach will help the Laboratory provide more service for each experiment.

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Gene Dentino (left) and Jack Pfister.

#### TWO NEW MANAGERIAL EMPLOYEES NOW WITH COMPUTING DEPARTMENT

The Computing Department has two new managerial employees. They are Jack Pfister, manager of Computing Services; and Eugene Dentino, manager of Computer Operations.

Pfister is responsible for all computing services supplied to the Fermilab community. He is, therefore, responsible for relationships between the Computing Department and the user community, the various vendors supplying services to Fermilab and to DOE. He has responsibilities for coordinating efforts so as to maintain an optimum computing service to the user community with respect to both large data processing and on-line computers. Pfister joined Fermilab after having spent a number of years as a project manager for the U.S. Navy and a commercial consulting firm.

Dentino, who comes to Fermilab with considerable experience with Chicago-based firms, is responsible for the day-to-day operations of the large computer systems. In this role, he coordinates the efforts of the various operations and other support and also serves as liaison between this group and the system and application groups, as well as with various vendors who provide services to Fermilab. Dentino, who reports to Pfister, also is responsible for large computer systems, including the Cyber complex, the new IBM 4331 recently delivered, and the associated ancillary equipment located on the seventh and eight floors of the Central Laboratory.

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#### FERMILAB LOOKING FOR CO-OP ENGINEERS

Fermilab has openings for two pairs of college students who are studying toward a B.S. degree in electronic engineering to work here under a cooperative education program.

Through this program, students combine their education with full-time work experience. By the time they graduate, they have had about one year's experience working in a field related to their studies. Fermilab participates with several schools that have a cooperative education program.

Candidates for the positions should be full-time students in good academic standing who are at least in the latter part of their sophomore year. They will work here on alternating quarters, beginning next month (September), as regular laboratory employees. They will be classified as laboratory technicians, explained Jim Lasenby, personnel administrator, CL15E, Ext. 3324.

If the students like their experience here, they certainly are welcome to return, Lasenby said. However, the students are under no obligation to return here nor is the Laboratory committed to rehiring them. The Laboratory has been interested in this program for a long time, Lasenby continued, and the pairs of students hired will be part of what is expected to be a long-running venture.

"Since its beginnings at the University of Cincinnati in 1906, cooperative education has become more widespread and has recently been allocated very substantial funding by the federal government," said Lasenby. "It's a very practical approach to education, especially in the technical disciplines. It provides an excellent combination of theory and practice and produces graduates who are prepared to make immediate contributions when permanently employed."

The key objective of the cooperative education program "is to provide some on-the-job training that will supplement the academic training for a selected number of students each year," he added. "We anticipate the working experience will ideally increase in difficulty and responsibility as the student progresses through the academic curriculum, and, in general, shall parallel as closely as possible, his progress through the academic phases."

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### THREE DAYS OF HOWARD HUGHES FILMS

The Fermilab International Film Society will present a special three-day "Howard Hughes Retrospective" Aug. 21-23.

The films to be shown were produced by the late Hughes but have been unavailable to the general public for many years. Most have not been seen since their original release.

"Scarface" will be shown at 8 p.m. on Aug. 21. "The Outlaw" will start at 8 p.m. on Aug. 22. Then the double feature of "Sky Devils" at 7 p.m. and "Hell's Angels" at 9 p.m. will run on Aug. 23. All the movies will be shown in the Central Laboratory auditorium. The admission price is \$1.50 for "Scarface" and "The Outlaw," but \$2 for the double feature.

"Scarface" was released in 1932 and features such legendary stars as Paul Muni, Ann Dvorak, George Raft and Boris Karloff. It was directed by Howard Hawks and has come to be ranked as one of Hollywood's greatest gangster movies.

"The Outlaw" made Jane Russell a star and an international sex symbol. Released in 1947, it was the first western to inject large doses of sex into the story. The movie also features Walter Huston and is regarded as one of the better variations on the Billy the Kid legend.

"Sky Devils" brings back to life one of the most popular actors of all time, Spencer Tracy. Starring with him are William Boyd, Ann Dvorak and George Cooper. Also released in 1932, this movie is a wartime comedy put together with leftover flight scenes from "Hell's Angels." Tracy and Cooper portray two lifeguards who cannot swim and two pilots who cannot fly. Its madcap antics include flying a plane upside down through a hanger.

"Hell's Angels" is a movie about airplanes and the men who fly them. Produced at \$4 million (during the depression years), it includes a 30-minute sequence with 137 pilots chasing one another in an elaborate dogfight. Released in 1930, it features Ben Lyon, James Hall, Jean Harlow, John Darrow and Lucien Prival.

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*Early phase of construction to modify Enclosure C of the Switchyard. In the photograph, the beams move from left to right. The work is being done in the area where Road D and A-1 meet. The enclosure is being enlarged from the notch upstream to where the present enclosure widens again. Two secondary beam lines presently run through the enclosure in this area: the meson line to the west and the neutrino line. The proton line already has been split off farther upstream. After the enclosure is enlarged, septa will be placed in the new area and the neutrino beam line will be split into a neutrino line and a muon line just east of it. The enlargement is necessary to house the septa. Construction of the enlargement is expected to be completed this fall.*

### FIRE GROUP MEETS HERE

The Kane County Firemen's Association held its monthly meeting recently at Fermilab.

It was the first time in eight years the group has met here. Fermilab Fire Chief Ralph Kramp told the group about fire protection at the Laboratory and about the Laboratory itself. He also led members on a tour of some of the facilities. After the tour and meeting, they were treated to refreshments in the cafeteria.

The association consists of fire fighters who belong to 25 fire departments in Kane County. The objectives of the association include improving communications between the departments.

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BLOOD DRIVE AUG. 15

The Aurora Blood Bank will hold a blood drive at Fermilab Aug. 15.

It will be held from 9 a.m. to 2 p.m. in the first floor conference room in the southwest area of the Central Laboratory. Employees and users who wish to donate blood should call the Medical Office, Ext. 3232, for an appointment. For more information about qualifications, call the office.

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CONGRATULATIONS

The team that took the second-place trophy in the Batavia Park District's women's softball league consisted mainly of Fermilab employees.

In fact, its two coaches--Jim W. Thompson and Joe Morgan--are Fermilab employees. This particular team was playing together for the first time in the league against 11 other teams.

Fermilab employees who played on the team include Linda Alsip, Dawn Cooper, Pam Roberts, Clara Morton, Jeannette Burns, Carmen Vera, Rose Muth, Jo Gordon, Kay Garrett, Sherry Hickey and Sharon Koteles.

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CHEZ LEON MENUS

Tuesday, August 19 - 7:30 p.m. - \$9.00

- Spaghetti w/pesto alla genovese
- Chicken cutlets quattroceto
- Peperonata
- Fresh salad of the season
- Cappuccino soufflé

Wednesday, August 20 - 12:30 p.m. - \$4.50

- Seafood salad
- Flambe bananas

Thursday, August 21 - 7:30 p.m. - \$9.00

- Stuffed zucchini
- Sauteed fresh trout
- Spinach w/cream
- Baked herb tomatoes
- Fresh salad of the season
- Poached peaches w/raspberry puree

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*Members of Garden Writers of America listen to Bob Lootens, senior groundskeeper with Roads and Grounds, talk about the atrium. The group also visited the prairie restoration project inside the Main Ring. In addition, they were given an overview of the Laboratory.*

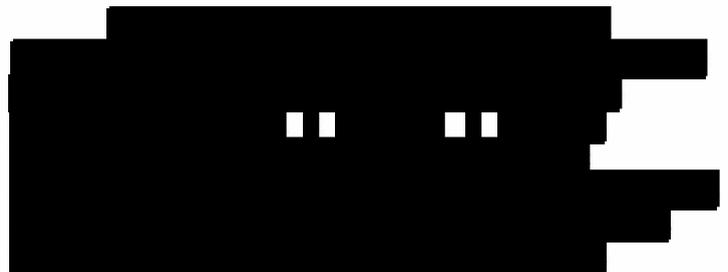
EMPLOYEES HELP WITH TOURS

A number of Fermilab employees helped the Public Information Office conduct tours last month (July).

They include Dave Binting, Jack Cossairt, Doug Hallard, Rich Knowles, Jack Lockwood, Jim Meadows, Roger Rice and Larry Tate.

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BIRTHS



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