

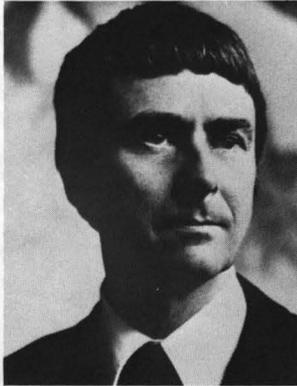
FERMILAB NEWS

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COLONIES IN SPACE: PHYSICIST'S DREAM

Fermilab's 1978-79 Science & Human Values Lecture Series presents: "The High Frontier," a film-illustrated lecture by Gerard K. O'Neill, Princeton University Professor of Physics.

The free, public program is set for 8 p.m. Friday, Nov. 3, in the Fermilab Auditorium. Tickets are available at the Guest Office, CL-1W, Ext. 3124.

"Within your lifetime thousands of people will be living in space colonies," says Dr. O'Neill. Using two films, he will explain how space colonies may be established, potential uses and reasons for the substantial investment. The speaker is president of the Space Studies Institute.

He also is chairman of the Task Group on Power from Space of the Universities Space Research Association. His book, "The High Frontier," won the Phi Beta Kappa award as the best science book of 1977. Dr. O'Neill received a Ph.D in physics from Cornell University and specialized in high-energy physics.

Dr. O'Neill has published writings in Scientific American, The World Book Encyclopedia Science Year and many other media. A licensed airplane pilot, he also is among one percent of glider pilots holding the International Diamond Badge for Soaring.

An informal reception in the Central Laboratory atrium will be held after the program.

The Science & Human Values Lecture Series is supported in part by the Illinois Humanities Council and the National Endowment for the Humanities.



PRICE JOYNER NAMED EEO HEAD

Lautta Price-Joyner, a Lisle resident has been named Equal Employment Opportunity Manager at Fermilab. Her appointment was effective September 11.

Mrs. Joyner came to the Laboratory from the Collins Avionics and Missiles Group of Rockwell International at Cedar Rapids, Iowa. She joined Collins in 1976 as equal opportunity coordinator and was promoted to office administrator a year later.

Her education includes a master's degree in personnel administration and a bachelor's degree in psychology, both in 1976, from Western Illinois University, Macomb. At Western she was a graduate assistant in the Affirmative Action Department where she became involved in personnel and affirmative action regulations.

"I feel a very strong commitment to the area of affirmative action," Mrs. Joyner said. "I believe that the title of the office, Equal Opportunity, is indicative of my job responsibilities and what the Laboratory is trying to promote. The office is not just for one minority group, but handles all protected class problems that would prevent individuals from working under equitable conditions or acquiring a position at the Laboratory."

Mrs. Joyner said she is looking forward to getting acquainted with the Laboratory and meeting its employees. "The door of my office is always open," she said.

Mrs. Joyner's husband, Alvin, is employed by Blue Cross-Blue Shield, Chicago.

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INTERNATIONAL MEETING HERE OCT. 15-21

Fermilab will host a workshop on "Accelerator and Detector Possibilities and Limitations" Sunday through Saturday, October 21. Sponsored by the International Committee for Future Accelerators, the session will be attended by 70 physicists invited from the U.S., U.S.S.R., Japan and Western Europe. Lee Teng, Fermilab associate head for advanced projects, is organizing committee chairman. Purpose of the workshop is to investigate possibilities and limitations in the performance of future accelerators and colliding beams, and in the performance of particle detectors for use in experiments.

FILMS TO THRILL, CHILL

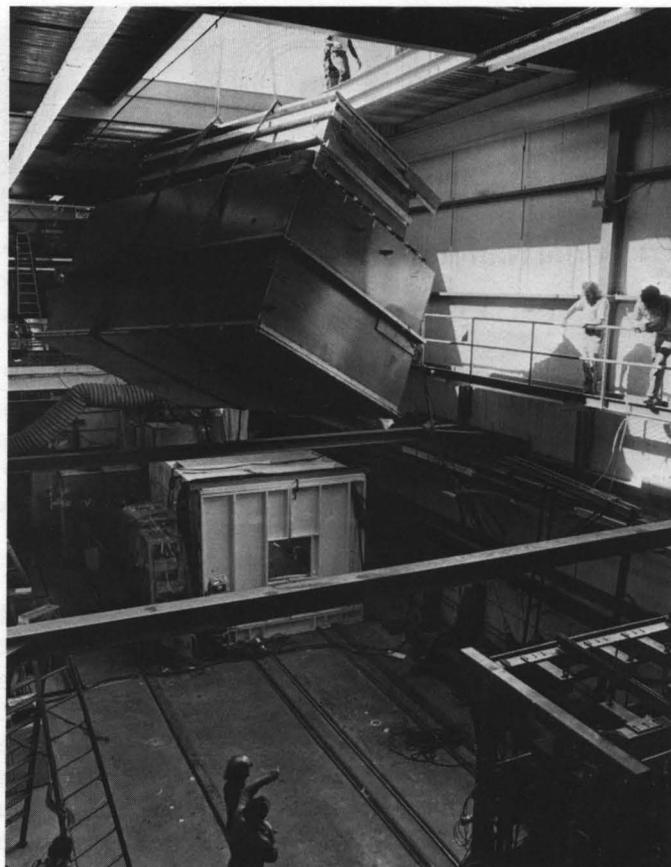
Fermilab's Inter/National Film Society presents a pre-Halloween double bill this weekend. Included will be: "Invasion of the Body Snatchers," at 8 p.m. Friday (Oct. 13); and "The Picture of Dorian Gray," at 7 p.m. Sunday (Oct. 15). Both will be screened in the Fermilab Auditorium.

"Body Snatchers" features human clones, alien likenesses released from huge seed pods. Kevin McCarthy stars as Dr. Bennell who returns to his hometown and senses that things are not quite right. Dr. Bennell's efforts to convince authorities of the "invasion" make for a gripping film. (USA-1956)

"Dorian Gray," Oscar-honored for cinematography, will be shown as part of "Ivan Albright Day" in Warrenville on Sunday. Albright painted a portrait for the 1945 MGM production and is known worldwide for his realistic style. The former Warrenville artist will attend a reception in his honor at 3 p.m. in the city hall; the film feature will be shown at 7 p.m. in the Fermilab auditorium. George Sanders and Angela Lansbury are featured in the screen adaptation of Oscar Wilde's story about a handsome British lad whose wish for eternal youth and beauty comes true. (USA-1945)

Admission to each film will be \$1.50 for adults; 50 cents for children.

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. . . Cerenkov counter is lowered through Photon Lab roof . . .

A WORLD-CLASS DETECTOR ARRIVES

Arriving via railroad flatcar recently was a Cerenkov particle counter. The big, empty aluminum metal box was designed and built at the University of Colorado at Boulder. The counter, one of the world's largest, is part of the tagged photon spectrometer being built in the Proton area.

Collaborators are from Fermilab, University of California-Santa Barbara, University of Colorado and University of Toronto. Weighing about a ton, the counter is one of two to be installed. It measures 22 feet long, 17 feet wide and 10 feet high.

A crane lowered the unit through the roof of the tagged photon lab building. The big counter joins a 275 ton steel framework for a hadron calorimeter as the first pieces of equipment for the spectrometer facility. First tests with beam are set for March, 1979. The facility is designed for 100-200 GeV photon physics, with emphasis on a study of charm states.

It will also make possible high intensity photon physics with the Energy Doubler.



FAY NAMED OMBUDSMAN

Fermilab's newest ombudsman is Betty Fay (Contracts). Her appointment by Acting Director Philip V. Livdahl to be assistant ombudsman for a year beginning October 1, was announced by John McCook, Associate Director for administration.

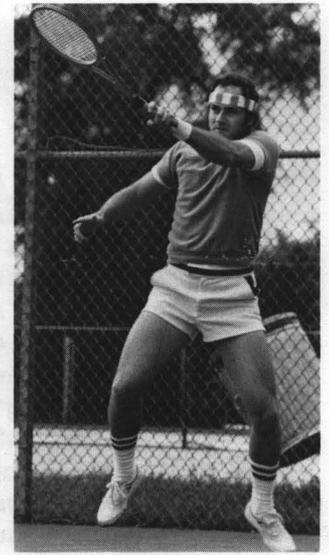
Fay succeeds John Barry who has served since 1976.

Betty, a Wheaton resident, joined Fermilab in 1969. Starting as a secretary in Contracts, she was promoted to contract administrator in 1975. She can be reached at Ext. 3451.

Other ombudsmen are Anne Burwell (Directorate), chief ombudsman, Ext. 4278; and Paul Brindza (Energy Doubler), Senior ombudsman, Ext. 3866.

Ombudsmen are available to receive complaints and questions from employees. Job-related and/or personal situations may be involved. After a confidential interview, an ombudsman will conduct an investigation and recommend solutions to solve a problem.

Recommendations can be made at whatever level is appropriate, up to and including the Director's Office. Ombudsmen report to the Director. An ombudsman office is on CL-8E; interviews are by appointment.



. . . J. Walker. R. Krull . . .

WALKER REGAINS TENNIS TITLE

Jim Walker (Colliding Beams) is back on top of Fermilab's tennis players. He downed Rich Krull (Physics) 6-2, 6-2 last week to take the 1978 Fermilab tennis tourney. Krull, defending champion, won the title from Walker last year.

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BANNER YEAR FOR VOLLEYBALL

A record turnout of 160 employees and visitors in the 1978 Fermilab summer volleyball league was recorded. Helen Ecker, recreation manager, said that the 10-team league was the largest ever.



...Morgan's Raiders, 1978 volleyball trophy winners - front row (L-R) are; D. Bamford, C. Hines, D. Tober, L. Sedlacek, J. Gregory, J.P. Morgan, Back row (L-R) are: T. Callans, J. Jensen, R. Crouch, R. Justice, W. Habrylewicz...



IN MEMORIAM

Antonio Fuentes
January 16, 1920 - October 7, 1978

Antonio Fuentes, a Fermilab employee from 1968 to 1976, died Saturday. An Aurora resident, Mr. Fuentes joined the Laboratory as a custodian and was promoted to maintenance man four months later. In February, 1969, he moved to the cafeteria where he served as a food and beverage handler. He became a machine shop assistant in September, 1969; a lead machine shop assistant in January, 1971; and was promoted to a machine repair mechanic in March, 1974. He held the latter post until taking long term disability leave in January, 1976. Mr. Fuentes was born in Odem, Texas. Survivors include his wife, Sara; five daughters and two sons; and several brothers, sisters and other relatives. Funeral services were held Tuesday; burial was in Aurora. Tom Butler, Machine Shop foreman said, "Antonio was a conscientious, dedicated, fine employee, who always was a good worker."

CANCER RESEARCHER SPEAKS HERE FRIDAY

Fermilab's Cancer Therapy Facility (CTF) will commemorate two years of neutron beam cancer therapy research by presenting a special lecturer Friday (Oct. 13).

Dr. William Powers, chairman of the department of radiation oncology at Wayne State University, will speak at 2 p.m. in the Fermilab auditorium. "Review of the Hague Meeting" will be his topic. The session was the "Third Meeting on Fundamental and Practical Aspects of Applications of Fast Neutrons and Other High LET Particles in Clinical Radiotherapy," held in September at The Hague, Netherlands.

Attending from Fermilab were Dr. Lionel Cohen, CTF head and head of radiation therapy at Michael Reese Hospital, Chicago; and Dr. Gilbert Lawrence, CTF medical physicist.

Dr. Powers spoke at Fermilab in 1976 as part of the Laboratory's Bicentennial Lecture Series. A native of Joliet, Ill., he has focused research efforts on applications of new technologies to cancer treatment of both adults and children. He has published extensively.

In addition to his respon-

sibilities at Wayne State, he is: Director, Radiation Therapy Facility, Detroit Medical Center; Chairman, Committee for Radiation Oncology Studies; member, National Cancer Advisory Board; Chairman, Commission on Cancer, American College of Radiology; and is a consultant to numerous other organizations.

Dr. Powers' address will be free to the public.

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NEW ARRIVAL

Congratulations to Sandy and Bob Smid (Proton) on the birth of their first son, Jason William. He arrived September 27 at Delnor Hospital, St. Charles. He weighed 8 lbs. 13 oz. and measured 20-1/2 inches long. Jason joins sisters Kelly, 7, Tracy, 5, and Michelle, 4.

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DON'T FORGET ...

--Fermilab fire department headquarters Open House is underway through Friday (Oct. 13). Hours are 9 a.m. to 4 p.m. The event is in observance of international Fire Prevention Week.

--Mother Nature needs you...to help harvest prairie seeds. Volunteers are being sought to hand collect flower, switch grass and little bluestem seeds at the Morton Arboretum. Harvests are set for 9 a.m. Oct. 14, 21 and 28. Rain dates will be the following Sundays. For more information, contact R. Donaldson, Ext. 3278.