

# FERMILAB NEWS

 Fermi National Accelerator Laboratory

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## NATIONAL SOCIETY OF BLACK PHYSICISTS TO MEET HERE

The National Society of Black Physicists will hold its eighth annual day of scientific lectures and meeting at Fermilab and the Argonne National Laboratory, the host institutions.

The overall format for the two-day conference will have registrants touring and participating in activities at Argonne on April 30. A series of lectures will be given in Wilson Hall auditorium at Fermilab the next day.

The registration fee is \$40, which includes the cost of a copy of the conference proceedings, transportation to the sites of the various activities, refreshments, a ticket to the banquet and additional services from the conference staff. Those who are interested should contact Herman B. White Jr., of Fermilab, for more details.

The lectures on May 1 begin at 9 a.m. and continue through 3:30 p.m. Speakers include Ronald E. Mickens, Fisk and Vanderbilt Universities, "Nonlinear Oscillators"; Deborah Jackson, International Business Machines, "Atomic Spectroscopy"; Elliott A. Treadwell, Fermilab, "Gluon Radiation in Neutrino-Nucleon Scattering"; Michael L. Burns, National Aeronautics and Space Administration, "Electron Positron Jets in Double Radio Sources"; Anthony Johnson, City College of City University of New York and Bell Laboratories, "Pico-Second Photo Conductivity in Amorphous Silicon".

Following the lectures, participants will have the opportunity to tour Fermilab. Dr. Walter E. Massey, director of the Argonne National Laboratory, will be the speaker at the banquet that evening in Wilson Hall.

White is one of the principal organizers of the conference. Other key organizers from Fermilab include Sekazi Mtingwa and Elliott Treadwell, as well as Helen Peterson, who coordinates the conference staff.

White explained that "the society

## HIGH SCHOOL STUDENTS TO ATTEND LECTURES

Ninety students from 20 high schools in the Chicago and suburban areas will be attending scientific lectures during the eighth annual conference of the National Society of Black Physicists at Fermilab May 1.

They will be here as observers, said Herman B. White Jr., one of the conference organizers. The idea is to give them broader exposure to the scientific community and to further intensify their interest in science, he added. Some of the high schools the students represent also have students participating in Fermilab's popular Saturday Morning Physics program.

Dr. Charles Bush of the Oak Ridge National Laboratory will make a brief appearance on stage to recognize those area high school students who have distinguished themselves with their science fair physics projects. He is chairman of the American Physical Society Committee on Minority Participation in Physics.

was officially formed in 1977 at Morgan State University, Baltimore. However, the members had been meeting for four years prior to that time for a day of scientific lectures, he said.

"The general purpose of the society is to promote the professional well-being of black physicists within the scientific community and society, as well as to develop and support efforts to increase opportunities in physics for these physicists. The society is not in conflict with either the goals or the mission of the American Physical Society or the American Association of Physics Teachers, or any of the other main stream professional organizations, and is not intended to supplant any of them, according to White. Indeed, this society had made significant contributions in helping these organizations achieve their goals."

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## ANNUAL USERS MEETING APPROACHES

The Fermilab Annual Users Meeting will be held April 24 and 25 in Wilson Hall auditorium.

Lawrence W. Jones, chairman of the Users Executive Committee, explained that the agenda "includes a series of interesting and relevant talks on broader issues associated with funding problems in our field as well as the present and future of experimental physics at Fermilab."

Reports on April 24 (Friday) will include discussions by Leon Lederman, Fermilab director, on the overall Laboratory program, and by Chris Quigg on the focus in particle physics in 1981. Doug Pewitt, director of research for the Department of Energy, and Harold Hanson, chief executive of the staff of the U. S. House of Representatives Committee on Science and Technology, will discuss the broader issues of federal science policy as they affect research funding and Fermilab.

In the afternoon, Jurgen May will report on the CERN 400 GeV and proton-antiproton programs. Afterwards, Lee Pondrom, Uriel Nauenberg and Frank Sciulli, Advisory Committee chairman, respectively, of the Meson, Proton and Neutrino Laboratories, will speak about the Fermilab experimental area programs.

On April 25 (Saturday) Roy Schwitters of the Colliding Detector Facility will talk about the progress being made on that facility. John Peoples, leader for the Internal Target Group, will speak about the proton-antiproton collider. Rich Orr, head of the Energy Saver Division, will bring the users up to date on the doubler program. Peter Koehler, head of the Research Division, will describe Tevatron II. And Tom Collins of the Colliding Detector Facility will speak about electron-proton colliding beams proposals.

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## BIRTH

Fiona Kanika was born April 8 to Larry and Jacquelyn Spires at 4 p.m. in Burnham Hospital, Urbana, IL. The child weighed 7 pounds, 14½ ounces and was 19½ inches long. Spires is collaborating on Experiment 610 and is the first recipient of Fermilab's graduate fellowship for minority students. He is on a leave of absence to work toward his doctorate in physics at the University of Illinois, Urbana-Champaign.

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*Larry Jones, chairman of the Users Executive Committee, and Phyllis Hale (Left) and Sherry Baltka of the Users Office coordinate preparations for the upcoming annual meeting.*

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## FERMILAB'S 1981 ARBOR DAY

With spring now here, Fermilab has once again prepared plans for its annual Arbor Day.

This year, the planting of about 200 trees will begin at 11 a.m. on April 30, or, if the weather is inclement, on May 1. They will be planted along the bicycle path that runs beside Road D (the road that goes from Wilson Hall to the Village) in the general area that's across from the buffalo pasture.

The Arbor Day Committee urges employees, users and visitors to come out that day to help plant the trees. Refreshments and cold beverages will be served and a seedling tree will be given to each volunteer.

The committee chairman is Bob Hall. He is being assisted by Joan Bjorken, Penny Horak and Bob Kraft, who will be responsible for the landscape design; Barbara Burwell, refreshments; and Charles Brown, publicity. Other members of the committee include Lu Zhen and Bob Lootens.

Most of the holes into which the trees will go already will have been dug, explained Hall. Volunteers will have to touch the holes up, place the trees in them, then fill the holes.

Arbor Day is sponsored by Site Services as part of the Laboratory's land management program.

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## PLAYGROUP PLANS OPEN HOUSE

Participants in Playgroup will hold an open house from 9 to 10 a.m. on April 29.

Parents who are interested in enrolling their children for the fall session and who want to learn more about Playgroup are encouraged to come. If they would like to see Playgroup in action, then they are invited to visit any Monday, Wednesday or Friday morning from 8:30 to 11:30. For additional information, contact Margo Cooper, 879-8547; Barbara Jonckheere, 879-1283; or Joan Bjorken, Ext. 3440.

Located at 28 Shabbona, the site of the open house, Playgroup is a cooperative venture that is open to the children of all Fermilab employees. Built on the idea of getting kids to meet other kids, it is designed for children at least 18 months old as well as those who will be 18 months old by September. They are eligible for the 1981-82 Playgroup program.

The fee is \$4 a month for each child. One reason for the low fee is that Playgroup asks one parent, usually the mother, to help out one morning each week. Any brothers or sisters of the enrolled child may accompany her the morning she has volunteered to help.

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*Already in action at Playgroup.*



*Charles Moran and the ebullient Esther Lewis of the Chicago Shell Club hold specimens. They helped sort the shells prior to the exhibit.*

## NEW EXHIBIT DAZZLES WITH SHELLS

Fermilab's newest exhibit consists of a dazzling collection of salt water shells from around the world.

The 200 shells of varied groupings, growth series and coloration, will remain in the Wilson Hall exhibit area through May. Ranging in size from those as small as a grape to one as large as a basketball, the shells chosen for display have been handpicked from the enormous collection of the Chicago Shell Club. The club has about 200 members and proudly boasts that it has at least one species of nearly every shell in the world. The exhibit was arranged through the cooperation of the club and the Fermilab Auditorium Committee.

Charles A. Moran, Lake Bluff, and Esther Lewis, Lisle, club members, helped the Auditorium Committee choose the stunning specimens that appear in this collection.

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## NEXT COLLOQUIUM SPEAKER

Daniel Gorenstein of Rutgers University will speak about group theory at the Physics Colloquium April 22. His talk will begin at 4 p.m. in Wilson Hall auditorium. Mark Fischler, Theoretical Physics, will be his host.

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FILM ABOUT OPPENHEIMER TO BE SHOWN

"The Day After Trinity," a documentary feature about physicist J. Robert Oppenheimer (1904-1967), will be shown in Wilson Hall auditorium April 23 and April 25.

Users attending their annual meeting as well as Fermilab employees are invited to the April 23 showing. The April 25 showing is open to the public. There is no charge, but admission will be by ticket. These may be obtained at the ticket sales desk in Wilson Hall atrium. The movie will begin each night at 8 p.m. and is presented through the courtesy of the International Film Society.

Produced and directed by Jon Else, "Trinity" received an Academy Award nomination for the best documentary in 1980. The film uses recently declassified government footage along with candid recollections of Oppenheimer's close friends and associates. From this, Else has woven a drama that examines the moral, historical and personal forces that brought international attention and acclaim on Oppenheimer.

Else attempts to follow much of Oppenheimer's tragic and often mysterious life, beginning with his early years in Europe and culminating in his tragic downfall more than 20 years later.

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SPRING BIRD HIKE SCHEDULED

Bird lovers--take note. Dave Carey of Fermilab will lead a spring bird hike April 19.

The hike will begin at 9:30 at the turn-off just inside the east entrance to the Laboratory. It is expected to end about noon. This hike is one of two outings on site sponsored each year by the DuPage Audubon Society. The other is in the fall.

Carey, Ext. 3639, encouraged bird watchers to bring binoculars and a good bird guide. He also suggested they come dressed for hiking, remembering that ordinary street clothes probably would not be satisfactory. From his own experience, he found blue jeans do not seem to attract the inevitable burrs that patiently wait to pounce on socks and trouser legs.

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SAFETY INAUGURATES NEW HOT LINE

The Safety section has a new "hot line" number: Ext. 4646. At the same time, extensions 3580 and 3461 have been eliminated. These two old numbers were used for inquiries about general safety and radiation safety.

It must be emphasized that the hotline--4646--is not an emergency number and does not take the place of Ext. 3131. The hotline 4646 now makes it more convenient to get answers for questions about just any kind of safety problem that may arise at the Laboratory.

Once again--CALL EXT. 3131 IN AN EMERGENCY.

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SPECIAL NOTICE

Support Services activities on the west side of the fifth floor, Wilson Hall, began moving today (Thursday) to Site 38. They are moving into three trailers joined together just north of the gasoline dispensing island.

The move includes John Colson's administrative, property and commercial traffic offices. The Stores and Inventory Control Offices under Gene Guyer will remain in the northwest corner of the fourth floor, Wilson Hall, adjacent to Purchasing.

Phone numbers for all of the offices--those moving and those remaining--will stay the same as they are published in the telephone directory.

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REMINDER ABOUT AEROBICS CLASS

An aerobics class for beginners will begin at Fermilab April 20.

Sessions will be held in the Village Barn on Mondays, Tuesdays and Thursdays from 6:30 to 7:30 p.m. and will continue for seven weeks.

Pat Yost of Fermilab will teach this class. Anyone interested in joining should contact her at Ext. 4365. The fee is \$35. The class is part of the Aurora YMCA's extensive program in aerobics.

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