

April 1, 1982

FERMI NATIONAL ACCELERATOR LABORATORY

FermiNews

USERS MEETING TO BE HELD AT FERMILAB



Dick Gustafson (University of Michigan), Phyllis Hale (Users Office), Vincent Peterson (University of Hawaii), and Sherry Balika (Users Office) organize materials for the annual event.

The Fermilab Users Organization expects that over 300 members will attend the Annual Meeting scheduled for Friday, April 30 and Saturday, May 1. The Users Organization is comprised of over 1,000 scientists and engineers who are engaged in high-energy physics and anticipate involvement in the accelerator facility and the experimental program at Fermilab. The organization was formed in 1967 and the Annual Meeting provides a forum for discussion of scientific and administrative concerns of experimenters.

The meeting begins at 9:30 a.m. with the Chairman of the Users Executive Committee, H. Richard Gustafson, giving his report to the membership. Leon Lederman will talk on "The State of the Laboratory, Past and Future." Another speaker for the Friday morning session is Congressman Don Fuqua, Chairman of the House Committee on Science and Technology. The title of his talk is "Science and Engineering Research and Education in Crisis." During the afternoon session, Hugh Loweth, Deputy Director for Energy and Science of the United States Office of Management and Budget will speak.

The Saturday morning session begins with the introduction of the new URA President, H. Guyford Stever who will address the membership-at-large. Other speakers are Martinus Veltman from the University of Michigan and George Trilling, Chairman of the HEPAP Subpanel on Long-Range Planning. —>

MEETING OFFERS VOICE

(cont'd. from pg. 1)

Gustafson urges all persons interested in high-energy physics to attend the Annual Meeting. He points out that this is a year of change, to a new machine, larger experiments, larger experimental groups and perhaps fewer opportunities for participation. He feels that this meeting is a time to explore ideas and express opinions and possibly influence the future of physics.

Another matter of business that concerns the Annual Meeting date is nominations to the Users Executive Committee. Between meetings of the general membership, the affairs of the Organization are handled by an Executive Committee which is elected by the membership.

The Executive Committee consists of 12 members elected by mail ballot for two-year terms. Six terms become vacant each year, and nominations this year must be received no later than 10:00 a.m. on Saturday, May 1. Any ten members may nominate a candidate for the slate, and nomination forms are available from the Users Office, Wilson Hall, 1 East.

- Phyllis Hale

TOKYO FILM CREW STOPS HERE



A crew from TBS Television Films, Inc. of Tokyo visited Fermilab recently as part of worldwide coverage of important science research. The group was gathering data for a long-running program "Tomorrow's World" which surveys the scope and direction of society in the future. They are shown here as they prepared for a helicopter flight for aerial photography of Fermilab. They later interviewed M. Mishina, a collaborator in the Collider Detector group.

SHARP INCREASE PREDICTED FOR FTS PHONE CHARGES

Fermilab has received an estimated bill from the General Services Administration (GSA) for fiscal 1982 Federal Telephone Communications System (FTS). The estimated bill reflects a 74% increase over the actual fiscal 1981 bill.

The bad news is due in part to a change in billing procedures. Prior to FY'82, charges were based on the number of calls placed. Now FTS users are billed on the duration (by the minute) of the call.

Telephone users should reduce the number and duration of calls whenever possible. Savings are also available if voice and data calls are placed outside the GSA's sampling and billing period of 8 a.m. to 5 p.m., local time, Monday through Friday.

All problems on the FTS system should be reported to the Fermilab operator. If you are unable to complete a call on the FTS system after at least three tries, the operator can dial it commercially for you.



"Fermilab here. Need information in shortest possible time. Don't put me on hold. Call me back."

GUARNERI PRESENTS TRADITIONAL CHAMBER MUSIC

One of chamber music's most extraordinary foursomes, the Guarneri String Quartet will perform on Saturday, April 24, at 8 p.m. in Ramsey Auditorium. Named for the eighteenth century violin maker, the Guarneri String Quartet made its debut in 1964 at the Marlboro Music Festival. The Guarneri is now the senior American quartet without a change in personnel.

The musicians have toured around the world from England to Japan, throughout the United States and Canada. In April 1980 they performed at the White House State Dinner for Menachim Begin, and completed sixteen tours of Europe in January 1981. They are the subject of *Quartet*, a book written by Helen Ruttencutter, and have been featured on radio and television.

The players, Arnold Steinhardt and John Dalley, violins; Michael Tree, viola; and David Soyer, cello are a perfectly-matched group. Each is an accomplished soloist in his own right, but as an ensemble, they achieve a rich blend of sound which places the Guarneri in a class by itself.



The Guarneri String Quartet

It has been said that this quartet "has no superior on the world's stages," and the musicians have been celebrated for their interpretations of traditional chamber music. Their appearance on the Fermilab Arts Series offers an opportunity to experience the performance of Verdi's Quartet in E Minor, Mozart's Quartet in E-flat Major, K.160, and Beethoven's Quartet in C Major, Opus 59, No. 3.

Admission to the concert is \$6.00, all seats reserved. Tickets are now available at the information desk in the Atrium of Wilson Hall. Further information is available at the Public Information Office, ext.3353.

GORENSTEIN TO LECTURE ON THE TWIN QUASARS

The Physics Colloquium will present Dr. Marc Gorenstein of Massachusetts Institute of Technology, on April 14 in Ramsey Auditorium. Dr. Gorenstein's lecture, "Looking Through a Gravitational Lens: Radio Maps of the Twin Quasars" will be given at 4 p.m.

In 1979 the first example of a gravitational "lens" system was found in the constellation Ursa Major. A pair of quasars, with essentially identical optical spectra, were seen close together in the sky with a galaxy appearing to lie between them.

The gravitational field of the galaxy acts as the foreground "lens." Gorenstein observes that the gravitational field bends the light rays of a **single** background quasar, thereby forming the two bright

quasar images. This is an application of Einstein's celebrated general relativistic light-bending effect acting on a cosmological scale. Happily for observers, the Twin Quasars also emit radio radiation. Gorenstein has studied the radio images at high angular resolution using intercontinental interferometers. He has observed similar but not identical radio structure. The comparisons help specify the optics of the lensing system.

In his presentation Gorenstein will describe the observational evidence for the gravitational lens action and the theory of gravitational imaging as applied to this system. A discussion of radio maps and an outline of some of the implications for astrophysics arising from this novel phenomenon are among the topics he will cover.

BRIEF NOTES

Russian Language Class Offered

Mrs. Galina Krichkin, wife of visiting experimenter Victor Krichkin, is offering to teach Russian to Laboratory associated people. Mrs. Krichken is an English teacher in the Soviet Union. The class would meet on Monday and Wednesday from 4:30 to 6:00 p.m. in Wilson Hall. Contact Joan Bjorken, ext. 3440 for further information.

NALREC Hosts Easter Party

Children up to the age of 8 are welcomed by NALREC to participate in the Annual Easter Egg Hunt. This year's event will take place at the Village Barn on Saturday, April 3, at 1:30 p.m.

As part of the festivities, the Easter Bunny will make a special appearance. Children are asked to please bring an Easter basket or a paper bag for the hunt.

NALWO Focuses on Fashion

NALWO will present a "Spring Fashion Update" seminar in the Ramsey Auditorium on April 13 from 12:15 to 12:55 p.m. The presentation will feature what is new on the women's fashion front. A demonstration on how to update your current wardrobe will complete the program. Please plan to attend. Fashions and models will be provided by the Merrra-Lee Shop in Geneva.

Stockrooms to Close May 17-21

The annual audited inventories of the Site Stockrooms will be taken the week of May 17-21, 1982. The Wilson Hall Stockroom will close May 17-18 while the stockroom at Site 38 will close May 19-21.

"To maintain service continuity, one stockroom will make **emergency**, and I emphasize **emergency**, issues while the other undergoes inventory," said Stores Management Supervisor, Gene Guyer. For more information call ext. 3808.

Congratulations to ...



Gear Up for Golf

Employees interested in signing up for the Tuesday evening Fermilab Golf League may do so in Wilson Hall conference room 1W on April 5 at noon. For more information contact Gene Dentino, ext. 3838.

Sowing for Spring

Fermilab Garden Club plot requests are available at the Recreation Office, Wilson Hall 1E. For more information contact Dave Eartly, ext. 3125.

LABORATORY TAKES INVENTORY



Ray Solfisburg, Dave Hornback, and Saul Cepada, who will be taking the inventory, review an inventory printout with Art Neubauer (far left).

by Al Lindner

The Property Management Office of Support Services is starting the cyclical inventory of Capital Equipment throughout the Laboratory. Assistance on everyone's part, especially opening cabinets, showing hidden locations, will be deeply appreciated.

This inventory of capital equipment is a contract requirement but perhaps more importantly, it helps the Property Office assist you if you are looking for a piece of equipment for short term use, or if a piece of your equipment has strayed.

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