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## SMITHSONIAN PLANS NEW ACCELERATOR EXHIBIT

The Fermilab story will be told in the exhibits of the Smithsonian Institution within a few months. John McCook, Associate Director for Administration, is the coordinator of plans to gather selected Fermilab accelerator components for shipping and re-assembly in the Washington, D.C. national exhibition halls.

Dr. Paul Forman, Curator of Modern Physics in the Smithsonian's National Museum of History and Technology, visited the Laboratory recently to finalize the layout of the exhibit. Fermilab Technical Services, the Accelerator Division, the Magnet Facility, Photography, and Public Information will be assisting in the collection of Fermilab materials for the historic exhibit. John O'Meara, Ed Kneip, Max Palmer, Jose Poces, and Paul Brindza are among those participating.

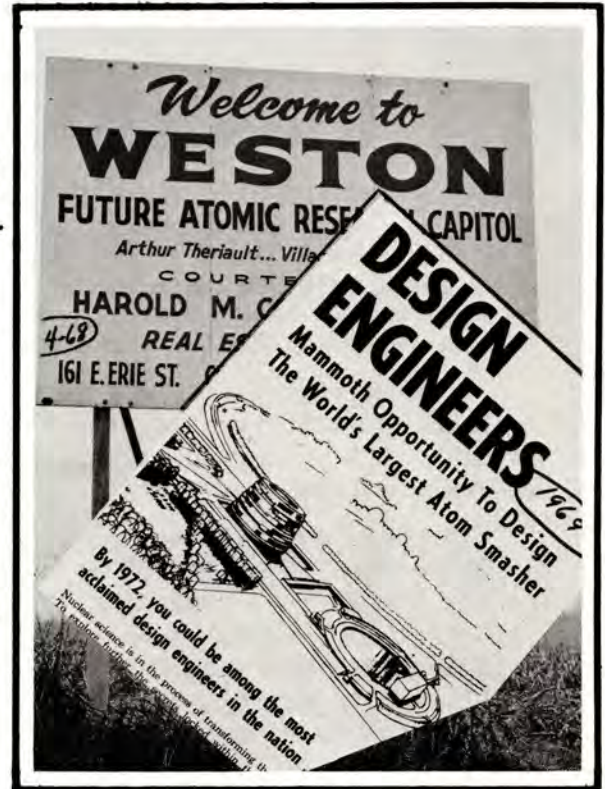
The Smithsonian is demonstrating the change that took place when particle accelerator technology shifted from weak focusing to strong focusing. In weak focusing, larger magnets were necessary to keep particles from hitting the walls of the magnets as they travelled. With strong focusing, the flying particles are trained into a narrow stream by using magnets of alternating magnetic field. The accelerators built at CERN in 1959, at Brookhaven and Serpukhov and the largest, at Fermilab, embody the great changes achieved in less than twenty years through the use of strong focusing. The energy of the particles used in high energy physics research has increased more than fifty fold while the weight of the magnets in which they travel has less than doubled. But, as one Fermilab engineer notes, "It is a simplicity that is the result of a lot of hard work."

Fermilab's strong focusing proton synchrotron will be illustrated at the Smithsonian by a 35-foot facsimile section of the Main Ring tunnel. It will include a bending magnet, a 7-foot quadrupole magnet and the accompanying components and hardware. The ends of the section will contain mural photos taken in the Fermilab Main Ring tunnel so that visitors will enter what will appear to be an exact replica of the tunnel. The internal structure of the bending magnet will be exposed in a cross section opening.

Accompanying the technological exhibit, the Smithsonian will describe the historical and sociological incidents surrounding the selection of the Fermilab site in the mid-1960's. Newspaper clipping files, interviews, and documents of record will provide material for this portion of the exhibit.

Also being considered for the Smithsonian exhibit is an optical analog of strong focusing.

The Smithsonian exhibit is scheduled to open for viewing during the summer of 1977, Mr. McCook advises.



...Fermilab history to Smithsonian...

JAPANESE PRINTS ON EXHIBIT HERE

Selected landscapes from "One Hundred Views of Famous Places of Edo" by Hiroshige are on exhibit in the second floor lounge of the Fermilab Central Laboratory. The prints are on loan from the Art Institute of Chicago.

The Japanese Hiroshige was born in 1797 and at fifteen embarked on a career as a ukiyo-e designer, specializing in simple paintings and color prints of everyday life. With the publication of his "Fifty-three Stations on the Tokaido" in 1833 he became very famous, considered one of the six masters of ukiyo-e.

The exhibit will remain at Fermilab during the rest of November and in December.

CHRISTMAS PARTIES PLANNED

SNOWBALL '76, sponsored by the Fermilab Recreation Committee, will be held on Friday, December 17, at St. Andrews Country Club in West Chicago. Fermilab employees and experimenters, employees of Management Safeguards and Mutual Management, and ERDA employees and their spouses are invited to attend.

The holiday event, always one of the most popular on the Fermilab social calendar, will start at 6:30 p.m. with a cocktail hour. Dinner (New York strip steak) will be served at 7:30 p.m. Dancing to "Freshwater" will continue from 9 p.m. to 1:00 a.m.

Tickets at \$8.50 per person include two free cocktails and dinner. Tickets will be sold to employees on the above list from December 2nd through the 10th. After December 9, remaining tickets will be available to friends or relatives of eligible Fermilab people. The following Committee representatives will have tickets for sale: Jo Baaske, Payroll, 4E; Butch Bianchi, Accelerator, Transfer Hall; Dennis Borree, Neutrino, Lab 7, Village; Dominic Carullo, Magnet Facility, Industrial Building; Pam Cooper, Accounting, 4E; Gerry Dean, Housing, 1W; Mary Luba, Physics, 10N; Barb Schluchter, Research Division, 2W; Liz Foster, Personnel, 4E; Chuck Grozis, Research Services, Lab 3, Village; Jack Johnson, Superconductor, Lab 5, Village; Larry Taylor, Accelerator, Cross Gallery East; Ed LaVallie, Proton, 11W, Carolyn Longland, Purchasing, 4W; Sherry Nila, Material Supply, 43 Feldott; Ralph Ovitt, Machine Shop, Central Lab ground floor; Marlon Palmer, Accelerator, Linac Gallery; Jane Pesetski, Cafeteria, 1E; Jean Plese, Directors Office, 2E; Nelson Sample, Machine Shop, 36 Shabbona; Hal Scheppman, Maintenance & Operations, Keith Schuh, Accelerator, 14W; Don Sorenson, Proton, 11E; and Bud Stanley, Facility Operations, 43 Feldott.

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Sunday, December 12 is the Children's Christmas Party in the Central Laboratory Building from 1-4 p.m., for kids from 1-8 years of age. Cartoons will be shown in the Auditorium at 1 p.m., then punch, cookies and coffee will be served in the Cafeteria. Santa and Mrs. Klaus will have a gift for each child. Call Denise Tober, Ext. 3934, CL-8 Cross-over, or return the slip below to tell her how many children you are bringing.

(Detach and mail to Denise Tober, CL-8)

I will bring \_\_\_\_\_ children to the Christmas Party

on December 12 (ages 1-8).

76-967-21



76-966-20



...More than 35 members of the Chicago Metropolitan Chapter of the Society of Logistic Engineers met at Fermilab recently for their fall technical meeting. Bill Riches (Left photo) conducted a tour and Halsey Allen spoke to the group in the evening. John Colson (Right), Fermilab Support Services Manager, was honored with the presentation of the Society's title of "Certified Professional Manager" by President Klima. Colson was also elected Vice-Chairman of the Chapter...

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HOLIDAY HOURS ANNOUNCED

Fermilab employees will have holidays on Thanksgiving Day, Thursday, November 25, and on Friday, November 26. No food service will be available on Thursday in the Fermilab cafeteria. Food Service's hours on Friday, November 26, will be: Breakfast, 8-10 a.m.; lunch (limited grill), 11:30 a.m. to 1:00 p.m.; supper, closed. Service as usual on Saturday and Sunday.

The Central Laboratory will be open to visitors from 8:00 a.m. to 8:00 p.m. on Thanksgiving Day, Friday, Saturday and Sunday. A receptionist will be on duty from 10:00 a.m. to 5:00 p.m. on Friday and Sunday and from 1:00 to 5:00 p.m. on Saturday.

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76-1071-5



...The ball point pens now being issued through the Fermilab stockroom have been produced and marketed by the Blackfeet Indian Tribe of Browning, Montana, according to Dick Auskalnis, Head of Fermilab Purchasing. The company, formed in 1972, has grown from \$28,000 in sales in their first year to over three million dollars this year. To keep up with the business, they employ 95 people (nearly all of them Indian). The company projects employing 160 workers at full capacity. Their accomplishments have meant jobs and opportunities in bringing economic success to an impoverished area.

The agreement to supply Fermilab's pens is part of the Laboratory's program to purchase high quality merchandise from minority vendors...

## ANNA TENG AT FERMILAB NOVEMBER 20

Tickets for the Anna Teng concert are on sale in the Fermilab Guest Office, CL-1W. The concert by the Japanese-born pianist will be given at 3:00 p.m., Saturday, November 20. Proceeds are for the benefit of the Chinese Student and Alumni Services of Chicago. General admission is \$3.00 per person.

Miss Teng has performed as a piano soloist since the age of nine. Her concerts have been given in Asia, Europe, the United States and in Central and South America. She is regarded as the first pianist to introduce Chinese contemporary piano music to the western world.



...Anna Teng...

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## OPEN MEETING OF GRADUATE STUDENTS AT FERMILAB

Recently several suggestions have been received that the Laboratory establish a "forum" to foster graduate student interactions. Some suggested forms for this "forum" have included the possibilities of more academic lectures, planned visits to laboratory experiments, graduate student lounge space and social meetings.

There will be an open meeting at 2:30 p.m. Friday, November 19 in the conference room at CL-1W to discuss these possibilities. This meeting will be over before the wine and cheese seminar. The meeting is being organized so that interested graduate students may come forward and express their views. The hope is that a nucleus of graduate students will come together to organize activities if some "forum" seems appropriate.

John Cumalat of U.C. - Santa Barbara has volunteered to serve as discussion leader for the meeting. If you would like to make a presentation please contact Cumalat (E-25) so he can include it in the agenda.

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## MARK YOUR CALENDARS

...NALWO will hold its monthly Potluck Thursday, November 18 at 5:30 p.m. in the User's Center. There will be an open bar. Bring a main dish for eight, or a dessert, salad or vegetable dish for 12. Children are welcome and babysitters are provided. Singles are welcome and, if not contributing food, the cost is \$2 with a reservation or \$3 at the door. Please call the Guest Office, Ext. 3440, or Elinor Paulk, 232-6970, for reservations and information.

...Everyone welcome Friday, November 19, at 8:00 p.m. in the Village Barn for the regular session of the International Folk Dancing group. There will be instruction in a variety of dances. There is no charge and you don't have to bring a partner. Refreshments will be provided.

...The NALREC Hoedown will be held in the Village Barn on Saturday, November 20 from 8:00 to 11:00 p.m. Admission is \$1. Caller will be "Wild" Bill Roberts; Sloppy Joes and potato chips will be served. For further information call Sherry Wila, Ext. 3585.

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...NEW STOCK CATALOGS are now available in the stockrooms, in the lower level of the Central Laboratory and at the 03 Stock Room at the Phillips Farm. For further information call Jean Sutcliffe, Ext. 3808.

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## CLASSIFIED ADS

POSITION AVAILABLE - Person with some tech. experience wanted to help assemble/test physics apparatus for U/PA. for 3 mos. only. Work mostly Fermilab, some travel. P. Gollen, X3465.

FOR SALE - 1968 Chrysler 300, auto., P/S/B, power windows, AM/FM radio, very good cond. Ask \$400 or best offer. Call George at Ext. 4095/4856.