



BICENTENNIAL LECTURE SERIES OPEN OCTOBER 26

Fermilab will participate in the Nation's bicentennial observance by sponsoring a "Bicentennial Lecture Series" open to the Fermilab community and to the general public without charge. Setting the theme for the series will be the first lecture of Sunday, October 26, at 7:30 p.m. under the title "From Franklin to Fermilab - Two Centuries in Search of Unity."

The thread of scientific research that is woven into American history will be described by Robert H. March, professor of physics at the University of Wisconsin who has been an active participant in a number of Fermilab projects. Dr. March is a prize-winning author for, among others, World Book Encyclopedia's Science Year. His 1974 contribution to Science Year won the American Institute of Physics-U.S. Steel Foundation prize for outstanding science writing. He won the same award in 1971 for his book, *Physics for Poets*.

Dr. March's publications and his teachings explain high energy physics to readers not trained in the field, and at the same time stimulate laymen and students to appreciate the esthetic beauty of the concepts embodied in physics.

For the Fermilab Bicentennial Lecture, however, he has written a study of the significant role in U.S. history which Benjamin Franklin, the scientist, represented, and some of the scientific events which have taken place in the United States. A significant focus on science has been seen in the state of Illinois, culminating in the construction of the Fermi National Accelerator Laboratory beginning in 1968.

March's study has been reproduced in pamphlet form and the pamphlet will be given to those who attend the lecture.

It will be available also without charge to teachers, students, and to anyone requesting it, as Fermilab's bicentennial gift.

The lectures in the Fermilab Bicentennial Lecture Series will be recorded and the recordings will be available with accompanying slides, on a loan basis, for schools and groups.

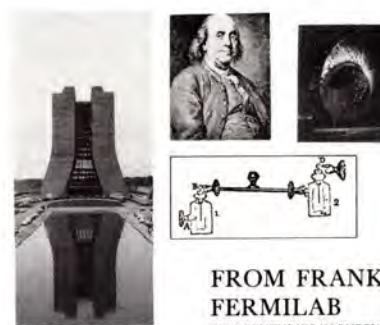
Dates and speakers for future lectures will be announced as plans are finalized.

Looking back on the span of U.S. scientific history, Dr. March comments, "In Benjamin Franklin's time science was an adventure in which anyone could participate. Today it has become a province of specialists. But we scientists have an obligation to share the excitement of our profession with the rest of society. Fermilab's Lecture Series is one way to do this, and I look forward to this opportunity."

March's analysis brings to light the fact that the great American educational institutions have come down through history supporting the basic research that has brought fame to



...Robert H. March, First Bicentennial Lecturer at Fermilab...



FROM FRANKLIN TO
FERMILAB
TWO CENTURIES IN PURSUIT OF UNITY



...A Michelson experiment at the University of Chicago...



many U.S. scientists. These same institutions are now deeply involved in the research at Fermilab, the Nation's newest basic research facility.

...Benjamin Franklin...

Benjamin Franklin, for example, founded the Philadelphia Academy which later became the University of Pennsylvania. Franklin was granted honorary degrees by Harvard and Yale universities. Franklin was a member of the American Academy of Arts and Sciences which recently established its first Midwest Center in Chicago.

Another subject of March's study is the Nation's first Nobel laureate, Albert Michelson. Michelson received his undergraduate training at the U.S. Naval Academy. Later he served on the staffs of Case-Western Reserve University and the University of Chicago. He was awarded an honorary degree by the University of Pennsylvania on the bicentenary of the birth of Franklin.

March also notes the scientific contribution of Ernest O. Lawrence at the University of California. Lawrence's students have included Fermilab Director Robert R. Wilson, and M.S. Livingston, former Associate Director of Fermilab. Several other Fermilab staff members have been closely associated with the Lawrence tradition at California.

It was in this same spirit of interest in the progress of basic research in the U.S. that 37 of the leading science-oriented universities in the United States banded together to form Universities Research Association, Inc., a corporation to direct the building of the world's largest particle accelerator. Harvard, Yale, Pennsylvania, California, Chicago, were among those founders. The corporate member institutions of URA now number 52 and include the University of Toronto from Canada. URA's executive board brings a broad national viewpoint to the policies of Fermilab.

In this way, Fermilab represents in a unique way most of the 50 United States as do few institutions other than the houses of representation in Washington, D.C. It is appropriate therefore that a salute to the progress of science in 200 years of U.S. history should originate at Fermilab.

Tickets for the first Bicentennial Lecture may be obtained from the Public Information Office or from the Guest Office, both at CL-1W. There is no admission charge and no limit to the number of tickets per person. Employees who wish to pass on tickets to schools which their children attend are welcome to do so. The lecture level will best appeal to students of sixth grade age and over.

The lecture hour will include a question and answer period in which everyone is invited to participate.

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SEED HARVESTERS -- WHERE ARE YOU? Fermilab's Prairie Restoration Committee needs HELP. Only two precious weeks remain to harvest ripe seeds at the Markham Prairie and at the Morton Arboretum. The seeds will be planted in the center of the Fermilab main accelerator next spring, continuing the restoration project started last fall.

A bus will leave the Central Laboratory at 8 a.m. on Saturdays Oct. 18 and Oct. 25 for the Markham Prairie, returning about 5 p.m. Harvesters are also needed at the Morton Arboretum, at the Leask Road entrance after 10 a.m. on both dates. For further information call Tony Donaldson, Ext. 4056.

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...Penelope Horak, administrative engineer in Fermilab's Technical Services Division chats with Roosevelt University (Chicago) Graduate Division dean Roma Rosen (L) and university president Rolf A. Weil before receiving her third Roosevelt degree. Already the recipient of a bachelor's and a master's degree, Penny earned a second master's--in the philosophy of public administration--in September. An honors graduate, she plans now to earn her Ph.D....

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CAREER DEVELOPMENT OPPORTUNITY FOR FERMILAB EMPLOYEES

Fermilab employees interested in improving or modifying their present job status can take advantage of a career development service offered by Personnel Services. Under this plan, employees file a Career and Qualification Summary available in the Employment Office, CL-6E. The form permits employees to list qualifications for a desired position, including the training and course work they have for the position. This form is then on record when job openings are posted, and the employee's interest may be considered by the Employment Office.

Having recorded his career interests and intentions, the employee (with the permission of his supervisor) may also be eligible for tuition reimbursement for further education toward his career objective.

Employees may file two career and qualification summary forms, indicating interest in two job areas. The statement remains in an active status for eighteen months. If an employee wishes to withdraw, modify, or in any other way change either of the two forms, he is free to do so.

This does not eliminate competition for jobs but it does mean that an employee will not be passed by because his interest in a particular job has not been made known to the Employment Office.

The career advancement opportunity is open to all Fermilab employees. Technicians, for example, can take class work in anticipation of future job advancement. In other cases, an employee who for one reason or another might be working in a job that is remote from a main career interest can record appropriate information about qualifications for another position.

For further information about the career development plan, call Bill Butler, Ext. 3324.

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...THIS WEEK AT FERMILAB...

FRIDAY, OCTOBER 17... Folk Dancing - Village Barn - 8:00 p.m. - no charge.

SIGN UP NOW... Two new classes at Fermilab:

Yoga will be offered on Mondays and Wednesdays from 12:00 - 12:30 p.m. in the Central Laboratory Building. The class will begin on Monday, Oct. 27 and continue until Dec. 17, 1975. The fee for the eight week class will be \$8.00. No previous experience in yoga is necessary; however, every student should bring his own mat.

Golf instruction will be offered on Saturday mornings from Nov. 1 to Nov. 29. The class will be held at the Village Recreation Center, 16 Potowatomi. Two indoor golf ranges will be used for the class, and golf balls will be provided. Norm Worthley will instruct the class. The classes will be held at 9 a.m. for children; 10 a.m. and 11 a.m. for adults. The fee for the class is \$10.00.

Individuals may sign up for the yoga and golf instruction by contacting Jane Theis, Ext. 3560, CL-1W.

COMING SOON... NALREC Speak Easy - Sat., Oct. 25 - Village Barn - 9 p.m.-1 a.m.

FLU SHOTS NOW AVAILABLE

Fluogen is now available in the Fermilab Medical Department. One inoculation gives protection against three strains of influenza. The shots are offered without charge to all Fermilab employees.

Dr. Charles Lang, Fermilab physician, reports that the recommendation of the U.S. Public Health Service is that seasonal immunization be given only to persons in these categories:

1. Persons suffering from chronic health problems such as heart disease, high blood pressure, bronchitis, or other chronic lung conditions, chronic kidney disease and diabetes.
2. Persons 45 years of age and over, especially over 65 where increased mortality is likely from influenza.

The inoculations are not recommended for healthy persons under 45 because, according to Dr. Lang, such persons should build as much natural resistance as possible to these influenza strains.

Immunization should be deferred in the presence of any respiratory disease and should not be given to persons with a history of allergy to eggs, chicken feathers or chicken dander.

A single dose lasts one year. It is recommended that immunization be completed by mid-November.

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CLASSIFIED ADS

FREE - Sack of canary supplies. Pick up in Public Information, CL-1W.

FOR SALE - Go-Kart, 5 H.P. engine, exc. cond. \$150. Joseph Heim, Ext. 3381, 896-7337.

FOR SALE - Sofa, lv. rm. chairs, bookcase-rm. dividers, dinette set, bedroom suite, misc. household goods in exc. cond. Call Marilyn, Safety Office, Ext. 3580.

FOR SALE - Tires: 2 snow H70-15 Jetson Glass-\$15 ea.; 2 snow 600x13 Jetson (stud) \$10 ea. Call Bob Adams, Ext. 3580, see tires at Site 50.

THE FOX VALLEY Classical Guitar Society is looking for new members. Call Pierre, Ext. 3996.

RIDE WANTED - From 1 mi. N. of St. Charles on Hwy. 31 to FNAL; 8:30-5 working hours; will discuss payment by calling Ext. 4074, ask for Bruce. .

FOR SALE - 2 motorcycle helmets, 1 blue flake size 7 - 7-1/8; 1 org. 7 $\frac{1}{2}$ - 7-5/8, \$10 ea. or offer; 2 Hi-Rise Banana seat bikes, good cond. \$20 ea.; 1 pr. bike adj. train. wheels. Call H. D. Clover, Ext. 3685 or 554-1375.

FOR SALE - '72 Chevy pickup $\frac{1}{2}$ ton 307V8, P/S/B, AM-FM radio, good cond. \$1900. Tom Wilson, Ext. 3712 or 232-7829 after 6.