

# The Village Critic



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The Fall Season of special activities at Fermilab opens Friday with the first of several interesting, informative, and unusual events to be offered in the coming weeks:



FINE ARTS QUARTET CONCERT -  
SATURDAY, OCTOBER 11 - 8:30 p.m.

The Fine Arts Quartet will perform a quartet of special interest at the concert to be given in the Fermilab Auditorium. In addition to Haydn and Schubert, they will also play a quartet written especially for them, based on the popular hymn, "Amazing Grace." Written by Ben Johnston, professor of music at the School of Music of the University of Illinois, Urbana-Champaign, the unusual work was commissioned on behalf of the Fine Arts Foundation of Chicago, in honor of the bicentennial observance in the U.S.

Commenting on the "Amazing Grace" quartet, Johnston notes, "Western music has based itself on an acoustical lie -- namely, that the normal musical ear hears 12 equal intervals (half tone-chromatic scales) in an octave. This has led to an impoverishment of pitch usage in our music."

Music of the western world has produced various scales with which composers have worked -- different modes, major or minor, the twelve tone system, and the introduction of random elements. But within these systems the twelve tone scale is usually retained. Mr. Johnston, however, divides

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SEED HARVEST FOR PRAIRIE RESTORATION PRO-  
JECT - SATURDAYS OCTOBER 11, 18, 25

For the second year, Fermilab is seeking volunteers to collect seeds to be sown on the 660 acres in the center of the Fermilab main accelerator to reconstruct there the plant community that existed in Midwest U.S. before westward settlement in the 1800's. Now all but vanished in the U.S. the prairie represents an important ecological community. Those who support and work with the Fermilab prairie restoration see the prairie as a heritage that should be passed down to succeeding generations while the few remaining remnants exist.

A year ago about 200 volunteers from the surrounding communities worked for the Fermilab prairie project on three weekends. They collected about 400 pounds of seeds of the rare prairie species from the remnant prairie at Markham, Illinois, and from the prairie restoration at the Morton Arboretum. The seeds were cleaned, bagged, and stored at Fermilab for the winter. In June, they were planted on eight acres in the center of the Fermilab Main Ring.

Collaborating with The Nature Conservancy, a national conservation organization, Fermilab has been advised by Robert F. Betz, professor of biology at Northeastern Illinois University, and Ray Schulenberg, curator of

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## FINE ARTS QUARTET (Continued)

the octave into quarter tones, and utilizes other divisions -- twenty-two intervals, for example -- creating effects usually achieved in electronic music and computer-generated music. He claims that "Amazing Grace" is key-oriented.

The Fine Arts Quartet is recognized as one of the world's great string quartets. This is the Quartet's third appearance in the Fermilab Auditorium, their second this year.

Instruments used by the Quartet include violin: Guarnerius del Gesu, Cremona, 1731; violin: Matteo Goffriller, Venice, 1725; viola: G.B. Guadagnini, 1781; cello: Matteo Goffriller, Venice, 1731.

A special buffet dinner will be offered at Fermilab at 6:30 p.m. before the Fine Arts Concert. The dinner will cost \$4.00 per person (wine extra). Reservations are necessary. Call Ext. 3440 or 3091.

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# 11th Chicago international Film Festival

FRIDAY, OCTOBER 10 - INTER/NATIONAL FILM SOCIETY PRESENTS IKIRU, 8 p.m.

*Ikiru* will be shown in the Fermilab Auditorium at 8 p.m. The film is directed by Akiro Kurosawa, recognized as one of the world's greatest contemporary film directors. It is the story of a mayor's secretary who learns that he is dying of an incurable cancer and decides to spend the last months of his life creating a children's playground in a poor section of his city. A man of good will, who sees behind him a wasted life, he surpasses himself before he dies. The film tells of his search for meaning to his life, the dealings with bureaucracy in the attempt to achieve that meaning, and the effect he has had on the lives of his colleagues.

Kurosawa is above all a humanist who has used his visual sensitivity, his sense of characterization and technical cleverness in staging, to further his ideals and to give his audience beauty and integrity of

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## PRAIRIE PROJECT (Continued)

the herbarium of the Morton Arboretum. The men, both well-known authorities on prairie ecology, supervised the planting at Fermilab last June. Betz reports, "The seeds collected by the volunteers and sown at the beginning of June produced tens of thousands of prairie plants. From the size and vigor we see in the plants this fall it appears that the 1975 planting is a success. Without the interest and help of the volunteers this could not have been possible."

Plans now call for gathering seeds for a 20-acre segment to be planted in the spring of 1976. On Saturdays October 11, October 18, and October 25 groups of people are needed again at the Markham prairie and at the Morton Arboretum prairie. Led by Betz and Schulenberg, the harvest will continue all day on those dates, but volunteers are welcome for whatever portion of the day that they can give to the harvest.

A bus to the Markham prairie will be provided, leaving the Fermilab Central Laboratory at 8:00 a.m. on each harvest date and returning about 5:00 p.m. Volunteers should bring gloves, shears, twine, a pail or grocery bags, sack lunch and beverage. There is no charge for the bus service. There is no bus service to the Morton Arboretum but transportation will be provided for anyone needing it.

For further information about the Fermilab restoration project and about the seed harvest, contact Tony Donaldson, Ext. 4056, or the Public Information Office, Ext. 3351. A small plot containing a sampling of the species that will be planted in the larger tract at Fermilab is now growing just across the road from the buffalo range. It is open to public viewing.

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BICENTENNIAL LECTURE SERIES BEGINS  
SUNDAY, OCTOBER 26

The first of a series of lectures in honor of the bicentennial observance will be offered at Fermilab on October 26. The Auditorium Arts Committee will present the lectures without charge and open to the public.

As the newest research facility to be built in the United States largely with public funds, Fermilab will open its doors to create a deeper, better understanding of the role science has played in the United

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the human spirit.

The Fermilab Inter/National Film Society is completing arrangements for a special program November 13-16 which will bring to Fermilab the films from several categories of the Chicago Film Festival. A jury of people associated with Fermilab will judge the entries in the Physical Sciences category of the Festival. The juried films will be shown free to the public at Fermilab. Other selections from the Festival in the categories of short subjects, student and feature films, and a special screening of films made by children will also be included in the Fermilab Film Festival.

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States.

The first bicentennial lecture will feature Dr. Robert March, professor of physics at the University of Wisconsin and a prize-winning author of articles on science topics in such publications as World Book's Science Year. Dr. March will present the subject, "From Franklin to Fermilab," a trace of the thread of science history in the United States from Benjamin Franklin's leyden jars to the four-mile circular accelerator at Fermilab.

The lectures are highly recommended for students. Other aspects of the bicentennial lecture series will announced shortly.

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FERMILAB CLEAN-UP DRIVE

A Clean-Up Drive is being repeated at Fermilab. All excess materials accumulated everywhere on site will be picked up and returned to stock or relegated to trash.

The clean-up will be carried out in the Central Laboratory on October 15 and in the outlying areas -- experimental and service areas -- from October 20-31. Call Don Smith, Ext. 3492 to arrange pick up or to secure special containers if they are needed.

According to Smith, the drive serves a double purpose. Material that may no longer be needed in one area is returned to stock and the shrewd shoppers at Fermilab can check the stock of materials returned and come on some real bargains because the returned material is not charged against requisitioners.

Clean-up drives result from the combined efforts of Support Services, T and M contracts, and Farm Management.

HONORARY DEGREE RECEIVED

Dr. Winslow F. Baker, physicist on the Fermilab staff since January, 1969, recently received an honorary doctor of science degree from Allegheny College, Meadville, Pennsylvania. The citation accompanying the degree recognized Baker's research in strong interactions. It also noted his efforts to communicate scientific information to the laymen.

Dr. Baker's research activities include participation in the total cross section experiment in the Meson Area.

Baker is a native of Brockton, Massachusetts. He holds a B.A. from Bowdoin College as well as M.A. and Ph.D. from Columbia University.

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## FAMILY DAY TOUR SCHEDULED

A Family Day tour will be offered by the Public Information Office on Monday, October 13 at 11:00 a.m. This is a holiday for many schools in the area. The group will be limited to 50 people and reservations are being taken by Cheryl Stadtfeld at Ext. 3351.

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## PROGRESS MADE ON SOLAR ENERGY PROJECT HERE

Fermilab Solar Energy Club needs volunteer help to complete the final assembly of the collector panels for the system they are building in the Fermilab Village. The goal is to have the system operational for the coming heating season in a house located on Sauk Circle.

The panels will incorporate the new design being developed by the Solar Energy Club using unfilled fluorescent light tubing instead of plate glass. The new concept has resulted in a major cost breakthrough for the panels.

Call John O'Meara, Ext. 3392, president of the Solar Energy Club, to volunteer. It is believed that the Fermilab solar energy system will be the only functional system in the upper midwest, although there is much interest in solar energy and a number of designs are being developed.

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*CONGRATULATIONS...to Vickie (Theoretical Physics) and John Caffey (Meson) on the birth of their daughter, Carrie, Sept. 30 at Central DuPage Hospital.*

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## CLASSIFIED ADS

FOR SALE - 120 Base Imperial Accordion and Varitone Amp., 11 treble and 5 base tone switches, price, \$400. Call Dick Brazzale, Ext. 3525.

FOR SALE - 1972 Venture 17 Sailboat Trailer, Genoa, cabin cushions, outboard optional. Jim Roberts, 682-1907.

FOR SALE - '67 TR4A (Triumph) IRS, runs well, needs some work, \$300. Low mileage, exc. gas mileage. Carolyn Hines, Ext. 3788, 357-3847.

FOR SALE - 1 silver fox grade senior dow rabbit. Good small child's pet. Must sell, but only to good home, \$5. Also for sale New Zealand black purebred pre-junior doe rabbit. Good child's pet or good meatpen, 5 lbs., \$7. Call 851-0378 after 4 p.m. J. Schmidt.

FOR RENT - By week or month, 2 bedroom home, completely furn., A/C on Pine Island, Fla., near Ft. Meyers. Restful, best fishing. Fall & winter openings. A. Streccius, Ext. 3580 or 584-0712.

FOR RENT - Private rooms in Warrenville. Call Pierre, Ext. 3996, or Narge at 393-1915, evenings. \$20 per week and use of the kitchen.

FOR SALE - Hot Point gas range \$75.00 Mike Mat, 896-3476 or Ext. 3977.

FOR SALE - 1969 Volkswagon, automatic, sunroof, rear de-fogger, AM radio, 3 new tires, need engine work, \$400. V. West, Ext. 3141 or 896-6419.

FOR SALE - 1969 Oldsmobile 98 Luxury Sedan, AM/FM stereo, A/C, 4 dr., full power, new tires & shocks. \$695. Patrick Callaghan, Ext. 3776.

FREE - 6 adorable 5 month old kittens, distemper shot, free to good homes. Telephone 584-5882 or 232-2043.

HINES FARM - Fresh vegetables. 1st farm south of Butterfield Rd. on Eola Rd.

YOUR REPRESENTATIVE - for Stuart McGuire and Mason - shoes and fashion clothes for women and men is Homer D. Clover, Ext. 3685 or 554-1375.