

Prairie Committee Keeps Prairie Tradition Thriving

The Fermilab Prairie Committee is looking for volunteers to help harvest seeds for a new 100-acre plot to be planted next spring at Fermilab. The 1988 planting will bring to 700 the number of acres of restored prairie on the Fermilab site. It is believed to be the largest prairie restoration in the world.

The 1987 harvest will take place October 24 (at the Midlothian/Markham prairies) and October 25 (at the Fermilab prairie). A van will go from Fermilab to the Midlothian/Markham prairie, leaving Wilson Hall at 8:30 a.m. Riders are welcome; call 840-3351 before the previous Friday to make reservations. The harvest day is from 10:00 a.m. to 3:00 p.m. In case of uncertain weather, call 840-3000 on the day of the harvest to verify. No previous experience is necessary. Plant shears, gloves, and grocery bags are the only equipment needed.

Volunteers have harvested seeds for Fermilab since 1974. Several hundred people have been involved in the harvests, including many scout troops and school classes. Students not only learn the names and identities of the authentic prairie species, but they return in later years to see and study the developing natural prairie.

Fermilab also harvests seed with a special combine on some of the older plots inside the Main Ring. The machine harvest yields predominately grass seeds. The handpicking concentrates on the prairie flowers (called forbs). The mix of the two produces the great diversity that characterized the original prairie. Fermilab's grounds crew will join with the Prairie Committee at the end of September to collect enough seeds with their grain combine to plant 100 acres on the western edge of the Fermilab site. The plot will be burned and plowed this fall in preparation for the spring planting.

The annual count of prairie species this year showed that 126 species have been introduced in Fermilab's restoration, thanks primarily to the volunteer efforts. The seeds were collected at the few remaining prairie remnant sites in northern Illinois, by

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Bardeen Heads the Theory Department

The Director's Office has announced the appointment of William A. Bardeen as Head of the Theoretical Physics Department succeeding Chris Quigg, who has joined the SSC Central Design Group as Deputy Director for Operations.

Fermilab Arts Series Presents the Borodin Trio

"An evening of extraordinary music-making" is the standard fare when the Borodin Trio performs. In concerts throughout the world, this renowned ensemble has earned superlatives saved only for the finest performing musicians. The eloquence of the Borodin Trio can be heard on Saturday, October 10, 1987, at 8:00 p.m., when they perform in Ramsey Auditorium.



The Borodin Trio (photo: C. Steiner)

The members of the Borodin Trio are violinist Rostislav Dubinsky, cellist Yuli Turovsky, and pianist Luba Edlina. All three were students at the

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Fire Prevention Week: October 4-10, 1987

The National Fire Protection Association has designated October 4-10, 1987, as National Fire Prevention Week with the theme "Learn Not to Burn." Fermilab's Visual Media Services Department has prepared a special fire-prevention videotape to be shown in the Wilson Hall Atrium during that week. We have also arranged for an industrial fire-safety videotape, "Hands At Work," to be available to Division safety officers. Interested Fermilab personnel may contact their safety officers for viewing locations and schedules. Fire Chief Ralph Kramp has advised that the Fermilab Fire Department will be available to answer all fire-prevention inquiries.

DOE Fire Protection Conference

The biannual Department of Energy Fire Protection Conference was held this year at Argonne National Laboratory on August 24-27, 1987. Fourteen Fermilab employees were among the fire-safety professionals representing 11 national laboratories, 25 DOE contractors, and DOE-HQ and field office personnel. On August 24, some 60 conference attendees were welcomed by Deputy Director Phil Livdahl to a tour of Fermilab, reportedly one of the highlights of the conference.

- Bill Riches

In the Library

For your research needs the Library now has access to several vendors of automated databases. A wide range of subjects is covered including physics, computer science, mathematics, engineering, chemistry, business, etc. A search in an online database provides a customized bibliography with references to articles, books, and other published reports on a specified topic.

Costs for online connect time are set by the database vendors. Fermilab Library recently acquired access to Knowledge Index, a vendor providing low-cost searching during non-prime time. *This fall, a limited number of free searches will be offered in selected databases.* For more information or to set up an appointment, please call Paula Garrett at ext. 3401 or LIBRARY on the VAX.

News from NALREC

A Night at the Races...

Next Friday night, a bus loaded with food and drink will leave Wilson Hall at 6:30 p.m. and shuttle some lucky folks to the Derby Room at Maywood Park Race Track. \$9.00 covers everything, including entrance fee and program cost. If you haven't made reservations yet and want to go, there may be a few seats left that our Cafeteria and NALREC staff haven't purchased. Call Jesse (ext. 4035) or Dominick (ext. 3187) for up-to-date info.

Our Bribe Worked...

Friday, October 9, 1987, is "Steak and the Bruise Brothers." This evening promises to be the highlight of our fall events. New York strip steaks with all the trimmings will be featured at a most nominal cost (\$3.50 per person). A comedian/disk jockey will entertain us, and the Bruise Brothers will be featured from 8:00 p.m. to 9:00 p.m. Come early and stay late for this party. This is a big one!

Coming Soon:

The Children's Halloween Party is scheduled for Sunday, October 25, 1987, from 2:00 p.m. to 4:00 p.m. Joanne Hall has a few surprises planned along with the usual Halloween fun. Children through age 10 are welcome. Keep this Sunday afternoon open for Halloween fun.

Etta Berry is still working on Road Rally plans and could use some help as well as good ideas. We would like to hold this Rally soon, so watch *FermiNews* for more info.

Joe Morgan is lining up tickets for both basketball and hockey games this season. He promises to get the best tickets in the house. Keep watching *FermiNews* and posters for more info.

- Trudy Kramer

Number of geep, a cross between a goat and a sheep, that have been genetically engineered : 2

Portion of the luncheon-meat market controlled by Spam: 3/4

Percentage of Fortune 500 CEO's who part their hair on the left: 71

Number of members of the AFL-CIO's horse-shoers union: 300

- from *Harper's Index*

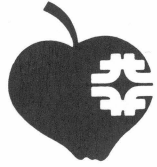
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Activities Office.

Winter Refereed Volleyball



Sign-up time for co-ed winter refereed volleyball is here. Games will be played on Mondays at the Recreation Facility; all team members must purchase a gym card. If you have a team or want to join a team, please call Alma, ext. 3387, or Bill, ext. 3819.

- Alma Karas

"Press Your Best" Contest

Calling all weightlifting enthusiasts - men and women - the Recreation Office will be holding the first annual Press Your Best contest. Any current gym members may participate. For more information contact Jean at ext. 3126.

- Jean Guyer

Sports Leagues Update:

Tennis Tournament Results

The "A" Division Singles Tournament had a strong make-up this summer. Top-seeded Caleb Kleppner (Yale) defaulted his semifinal spot to Yasuo Fukui (CDF) upon his return to school. Steve Kuhlmann (CDF) defeated Bud Dickerson (North-eastern) in his semifinal match and then moved on to defeat Yasuo in the final by scores of 7-5 and 6-4.

The "B" Division Singles Tournament brought out many new players. The finals are yet to be played. Don Flynn (Info. Systems) is ready to take on Todd Sullivan (Accel. Operations) for the title. The victor gets to move up to the "A" Division next summer.

The Mixed Doubles Tournament had eight teams participating. The top-seeded team of Paolo Trespi (E-687/Pavia) and Linda Even (Constr. Engin.) won their semifinal match against the dynamic duo of Lynde Isoldi (CDF) and Ed Serich (Inst. Repair). The second seeds, Steve and Roxy Kuhlmann, were defeated by the devastating backhands of Lara Trespi and Rol Johnson (Accel.). The final was a real family affair with Paolo (the father) and Linda (the better half) smashing and drop-shotting their way to first place over Lara (the daughter) and Rol (the worse half).

Winter Tennis Notes:

Sunday Evening Doubles League - Intermediate and up. Doubles Challenge Ladder - All levels. Gym membership is required. Sign-up will be at the gym. Contact Linda for league sign-up, noon and 1:00 p.m.

- Linda Even

"Arts" continued from page 1

Moscow Conservatory and distinguished solo and chamber music performers in the Soviet Union prior to their emigration to the West in 1976. Tours throughout Europe, New Zealand, Australia, the Middle East, and North and South America developed a worldwide audience for their artistry. Mr. Dubinsky, founder of the famed Borodin String Quartet, and Ms. Edlina, official pianist for the Borodin Quartet, are currently on the faculty at the School of Music at Indiana University in Bloomington. Mr. Turovsky, winner of the Third Soviet Cello Competition and the TwentySecond International "Spring of Prague" competition, is returning to Fermilab after his appearance as conductor of I Musici de Montreal last spring, a group that he founded. He is also a faculty member at the Conservatoire de Musique de Quebec in Montreal.

The Borodin Trio is known for its performances of standard classic and romantic works for piano trio. Their concert at Fermilab will include the Haydn Trio in C Major, the Brahms Trio in B Major, and the Shostakovich Trio No. 2 in E Minor, an especially important work for them as they counted the composer as a friend and colleague in the Soviet Union.

Tickets for this evening reminiscent "of the good old days of the Heifetz-Piatagorsky-Rubenstein get-together" are \$10. For information or phone reservations, call ext. 3353 weekdays between 10:00 and 11:30 a.m. or 12:30 and 4:00 p.m. - Tammey Kikta

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special arrangements with the present managers of the sites. The oldest plots have now matured to become similar to the prairie plant ecology that existed before settlement in the early 1800s. Other projects are underway to introduce prairie insects and small mammals.

Some other prairie news: It will be illegal after January 1, 1988, to buy, sell, plant, or distribute purple loosestrife in the state of Illinois. Seen by some as a "pretty purple flower," purple loosestrife is aggressive and undesirable, taking over everything in its path. The few plants on the Fermilab site are closely monitored so that they will not become a threat to the prairie restoration. Multiflora roses and Japanese honeysuckle have also been banned from Illinois.

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Some discussions have been held with organizers of Chicago-area peregrine falcon introductions to explore the possibility of having peregrines around Wilson Hall. The peregrines' introduction is an interesting study, and they serve as prey upon pigeons and starlings. Their introduction on the ledges of Chicago skyscrapers has been successful.

A prairie remnant along the railway spur on Fermilab's site, which was inadvertently covered during a dredging operation, is surviving well after the cover was removed. The remnant will provide seeds and a comparison-study plot for Fermilab restoration activities. The success points up the resilience and strength of prairie plants when they are given a chance to survive. Plowing and cultivating are almost certain to destroy prairie plants, but those that cling along fence rows survive. A few plants emerging in Fermilab's restored areas appear to have even survived a century of cultivation, joining plantings of the last 12 years in the now-protected environment.

The Film Society Presents:

Laura, on Friday, October 9, 1987, at 8:00 p.m. in the Ramsey Auditorium. Directed by Otto Preminger, the Academy Award-winning film follows along as "a methodical detective investigates the murder of a *femme fatale*, only to have the corpse turn up alive." 1944, black & white.

The 400 Blows, shown on Friday, October 23, 1987, at 8:00 p.m. in the Ramsey Auditorium, is "an intimate autobiographical diary of the universal experience of growing up." Directed by Francois Truffaut. 1959, black & white.

The *FermiNews* schedule for the remainder of 1987 is listed below. (The * indicates a Classified Ad\$ issue.)

Deadline	Issue
9/29	10/9* October
10/13	10/23
10/27	11/6* November
11/10	11/20
11/24	12/4* December
12/8	12/18

The Physics Rap

"Physics Rap" was written by a group of students at Hill Junior High School, Indian Prairie District #204, along with teacher Liz Martinez. The students participated in the Beauty and Charm program sponsored by Friends of Fermilab, learning about Fermilab and physics. After visiting the Lab, the students returned to their classroom and wrote the following:

The Physics Rap

Do you really believe that physics is out?
Well let me tell you what it's all about.
The atom is very, very small.
Electrons, protons, neutrons - ain't all.

Rutherford was ahead of his time.
Other people added, like Lederman and Einstein.
Inside the proton are beauty and charm.
Did you know Fermilab was a farm?

Superconducting magnets are large.
That's why they keep the protons in charge.
Generator, Booster, Main Ring too.
Linear accelerator protons travel through.

Protons in the accelerator travel light speed.
That's mighty fast. indeed.
Protons at a target must be shot.
Scientists hope they break apart a lot.

The bubble chamber is filled with helium.
Particle tracks, you're sure to see 'em.
The tracks they leave are extremely small.
Scientists study them one and all.

The latest rage in collision study.
Is a large computer - Fermilab's buddy.
What are physicists trying to do?
Looking for anything that is new.

Fermilab is used in many ways.
Helps to treat cancer on some days.
Scientists hope someday they'll find
What makes this Universe unwind.

(Submitted by Marjorie Bardeen)