

Bison Buffs Bid Big Bucks Buying Buffalo Bargains



Three hundred people braved a typically wet and chilly Illinois day for the third Fermilab buffalo auction, held on March 27. The last sell-off of Fermilab bison was in 1984, when 25 bison were bid on. This year, buffalo bills were written for 20 bulls, 12 bull calves, 8 cows, 6 heifers, and 6 heifer calves, for a total of 52 animals. Prices ranged from \$1725 for a 4-year-old bull to \$644 for the bull calves. All in all, Fermilab raised \$50,950 at this year's auction.

Buffalo buyers came from as far away as Kansas, South Dakota, Missouri, and Wisconsin, and as close as Batavia, Aurora, and St. Charles. There were 80 registered bidders in all.

Fermilab bison have become media stars, appearing on local and national television, and in publications as diverse as *People* magazine and the front page of the *New York Times*. Keeping the bison in top form for their devoted fans are Herdsman Don Hanson of Roads and Grounds, and Bob Hall, Manager of Roads and Grounds.

Fermilab maintains the bison herd as a continuation of a tradition started by our first Director, Robert R. Wilson, and continued and supported by Director Leon Lederman. Wilson felt that the design of the Laboratory could easily accommodate a modest herd of bison that would give area residents a chance to see a buffalo first-hand (or hoof), and afford Fermilab's international visitors a glimpse of real Americana. Underlying all was his wish to restore bison to the fields of Fermilab out of sense of history that acknowledges the prairie heritage of the state of Illinois.

The first bison to graze at Fermilab were purchased in 1969: a bull from Wyoming and four cows

from a rancher in Colorado. One of these cows soon presented Fermilab with its first calf. In 1971 the State of Illinois Department of Conservation donated 21 head of bison to the Fermilab program. In 1976 the Lab lost several cows to parasite outbreaks and replaced them by purchasing five cows from South Dakota. Upon their arrival at Fermilab, each of these cows promptly had a calf. In 1978 the Lab purchased more bison to further improve the breeding herd and to strengthen bloodlines. Since 1978 all increases in herd size have been due to reproduction.

"Currently, the herd grazes on approximately 90 acres of land, and considering the 'carrying capacity' of that acreage, we purposely try to keep the herd at around 100 animals," Rudy Dorner, Emergency Services Coordinator, explained. "We auctioned enough to bring the number within the carrying capacity, and we also took into consideration the expected calf crop for this spring. Most of the bison we sell are destined for breeding herds throughout the Midwest, some to small herds maintained by hobbyists. Many others are destined for the dinner table." According to aficionados, buffalo tastes very similar to beef.

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News from CDF

The engineering run of the Collider Detector at Fermilab (CDF) is taking advantage of TEVATRON luminosity which has climbed to 7×10^{28} and is still rising. The detector is now regularly recording jets, and the experimenters have seen a triple jet as well as some jets above 150 GeV. On March 26, a first candidate "new world" *W* event was observed. The event consists of a clean 36-GeV electron with a rapidity of approximately zero (that is, the electron is nearly perpendicular to the colliding beams). The event appeared at approximately the integrated luminosity expected for *W* production. Based on recent developments, the need for a thorough engineering shakedown of the detector, and the possibility of achieving some new physics with a run of 50 inverse nanobarns, CDF has been approved for an extension of three weeks in the colliding-beams run.

NERP Update:

As reported in *FermiNews* of July 10, 1986, the Laboratory has made a bid to become a National Environmental Research Park (NERP). When it becomes official at an outdoor (center of the Main Ring) dedication ceremony planned in June, the Lab, with most of its 6800 acres, will join five other DOE sites in making land resources available for environmental research. It is all part of DOE's response to the National Environmental Policy Act of 1969. The purpose is to advance the nation's goals of restoring, protecting, and enhancing environmental quality.

In preparation for becoming a NERP, the Laboratory has formed a six-member NERP Advisory Committee. The members are all prestigious specialists in botany, biology, or zoology, and on the staffs of major universities in several states.

The function of the committee is to provide oversight and guidance for the program. They will evaluate research proposals from qualifying institutions or individuals and make recommendations to the Director. Proposed projects will be processed in much the same manner as used in the high-energy physics program. As with the physics program, several Fermilab departments will be involved in providing various forms of support. DOE, in turn, will provide funding for managing the program.

Preparation also required development of a long term plan. Such topics as research philosophy have been covered, as well as policies and procedures for management of the program. Argonne National Laboratory, with their great wealth of talent in ecology, has provided much of the input to the plan. Julie Jastrow, from Argonne's Environmental Research Division, was particularly helpful in drafting an extensive document which describes the environmental resources at Fermilab.

Governments of all nations are becoming increasingly concerned about the effects of human activities on the environment. Many activities, though well intentioned, often have harmful, unexpected side effects. Maintaining adequate environmental quality and managing the earth's natural resources requires greater understanding of the delicate balance between man's actions and nature's reactions. Fermilab's participation in the NERP program is viewed as an opportunity to play a small but important role in probing and finding answers to many of the ecological relationships that need to be investigated.

- John Paulk

US Particle Accelerator School to Hold Next Sessions at Fermilab

The US Particle Accelerator School has announced that the 6th US Summer School on Particle Accelerators will be hosted by Fermilab this year. In addition to holding two-week symposium-style sessions, the school will be conducting two-week university-style sessions offering course credits, from the University of Chicago, for the first time.

Session I, from July 20-31, 1987, will include two-week university-style courses, each providing three university credits. Subjects will be: "Concepts in High Energy Accelerators," by R. Talman, Cornell; "Relativistic Electronics," by V. Granatstein, Maryland; and "Particle Beams, (A) Magnetic Optics," by K. Brown, Stanford, and "Particle Beams (B) Acceleration," by P. Wilson, Stanford. Each course includes 25 lecture hours with problem sessions and recitations. The prerequisites are Classical Mechanics and Electromagnetism.

Session II, from August 3-14, 1987, will include two weeks of symposium-style, intensive lecture courses on the physics and technology of particle accelerators, including the subjects "Particle Beams for High Energy Physics, Nuclear Physics, Synchrotron Light Sources, and Free Electron Lasers," "Accelerator Technology," "Instabilities," "Nonlinear Dynamics," and "Simulation."

For an application for both/either sessions contact Marilyn Paul, MS 125. Decisions on applications will be made beginning April 15, 1987. Tuition for Session I is \$300/course, and the registration fee for Session II is \$300.

Stockrooms Close for Inventory

The Stockrooms in Wilson Hall and at the Site 38 Warehouse will be closed for audited inventory on: **May 18 & 19, Wilson Hall, and May 20 and 22, Site 38.** Frank Cesarano, Stores Management Supervisor, emphasizes again that, "In order to maintain service, one Stockroom will make *emergency* issues while the other Stockroom takes inventory. We ask that you delay stock transactions until after May 22 so that we can complete inventory. In the event either or both Stockrooms complete their inventories early, it will be business as usual. Questions? Call ext. 3808. Stores Management reiterates its thanks-in-advance to everyone for their cooperation."

Chamber Music Series Finale

I Musici, "easily the most famous chamber orchestra in the world," promises an unforgettable evening of Baroque masterpieces by Bach, Corelli, Vivaldi, and Mozart at Ramsey Auditorium on Sunday, April 26, 1987, at 7:30 p.m.



I Musici

I Musici began in 1952 when 12 students from the Academy of Santa Cecilia, who often played together for pleasure, gave their first public concert. Their immediate success led to extensive engagements throughout Europe, and subsequently overseas to the United States, Canada, Japan, Australia, South Africa, and Central and South America.

The members of I Musici perform on historic Italian instruments, the newest of which is over 150 years old. Although they are most closely associated with performances of Baroque music, they have won equal praise for their performances and recordings of such composers as Bartok, Britten, Barber, and Frank Martin. Numerous awards for their recordings, including multiple Grand Prix de Disques, attest to I Musici's many successes.

This concert is the last of the season in Fermilab's sold-out chamber music series. Tickets are available for all future Fermilab Arts Series programs, including the Annapolis Brass Quintet on May 9 and the summer showcases. For tickets and information, call ext. 3353 weekdays between 10:00 a.m. and noon or 1:00 p.m. and 4:00 p.m.

- Tammey Kikta

Plan for Garden Plots Now

With the advent of warm weather, thoughts naturally turn to gardening. Just picture a red, juicy tomato or a bunch of fresh green onions, or maybe a few luscious strawberries. Whatever type of vege-

tables or fruit you like, you can raise them yourself right here at Fermilab.

There are 160 garden plots available, 120 of which are plowed by the Fermilab Roads and Grounds crew but will still need some preparation prior to actual planting, and 40 that are not plowed and are very good for planting perennials. Plots can be reserved by Fermilab employees, active and retired, DOE employees, visiting experimenters, and employees of the Security contractors. The plots are each 20x40 feet.

The garden area is managed by the Fermilab Garden Club. There will be a meeting of the Garden Club on Wednesday, April 15, 1987, from noon to 1:00 p.m., Wilson Hall 2W in the Black Hole. Anyone interested is invited. The officers of the 1987 Garden Club are: President: Don Goloski, Vice President: Paul Tomell, Secretary I: Jim Wendt, Secretary II: Sharon Henderson, and Treasurer: Peter Lucas.

If you are interested in obtaining a garden plot for this year, contact Jim Wendt, ext. 4441.

Art Institute Classes Offered at Fermilab

Artists of all ages can expand their creative potential by participating in the multi-age art classes offered this spring by the School of the Art Institute's Studio Program at Fermilab. The program at Fermilab offers the same quality educational resources of the School of the Art Institute, including experienced instructors who are also practicing artists. The 1987 spring schedule for courses are:

Watercolor: April 25 - May 30, Saturdays, 9:30 a.m. to 4:00 p.m. **Photography:** April 29 - May 27, Wednesdays, 9:30 a.m. to 4:00 p.m. **Picasso:** May 13 - May 27, Wednesdays, 7:00 p.m. to 9:30 p.m. **Mixed Media:** May 19 - June 23, Tuesdays, 10:00 a.m. to 3:00 p.m. Call 443-3777 for registration material and further information.

Need an '86 Workbook?

A limited number of photocopies of the 1986 Research Program Workbook are now available from the Program Planning Office, WH 2E. The 1987 Workbook will be available in mid-June.

National Geographic subscribers who have canceled to protest its use of metric measurements: 109

- from *Harper's Index*

Sports Briefs:

The final standings for Fermilab's Winter Basketball League are as follows: in first place, the Hematomas with seven wins, Lakers in second with six wins, Valley Electric in third place with five wins, the Bulls in fourth place with two wins, and the Gryphons in last place with zero wins.



The Hematomas are, from left, Rick None, Ken Duckett Kevin Jenkins, Brian LaVoy, Gordie Gillespie, James Hodges; kneeling is Terry Dorries. Not pictured is Rocky Kolb.

On March 12 the two finalists of the Winter Basketball League Playoffs, the Hematomas and Valley Electric, battled it out for first place. The final score of 74 to 49 made the Hematomas number one for the second season in a row.

To close the winter season, Fermilab league members have chosen their best players to form a Fermilab All-Star Team. They have been challenged by an outside league team, Oodles Pizza of Naperville. This event will be held April 16, 1987, at 6:30 p.m. at the Recreation Facility. Gym members and their guests (12 years and older) are welcome.

If there is an interest in forming a Summer Basketball League please contact Jean on ext. 3126.

NOTE: If you are interested in forming or participating on a summer softball or basketball team call Jean, ext. 3126.

Children's Easter Egg Hunt Ready to Roll

NALREC presents their annual Easter Egg Hunt on Saturday, April 18, at 1:00 p.m. at the Village Barn for children up to 9 years old.

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Sherry Hickey Honored as 1987 "Woman of the Year" by ABWA

Sherry Hickey, who has been with Fermilab for 17 years, has been elected "Woman of the Year" by the Aurora Charter Chapter of the American Business Women's Association. She has been a member of the Aurora chapter for 12 years and currently serves as president. Sherry, who is secretary/office manager for the Conventional Magnet Facility, has also served as chairman for the chapter's Ways and Means, Socials, Courtesy Program, Fall Tea, and Membership committees, among others. The organization raises money for scholarships to help high school students further their education.

The Woman of the Year, which is the highest honor in the organization, is chosen for her service to the ABWA, the number of years she has been in the organization, service to her community, and her own personal growth.

In addition to being recognized as Woman of the Year, Sherry will receive an all-expenses-paid trip to Los Angeles in October for the National Convention where she will compete for National Woman of the Year. She is also eligible to be chosen one of the "Top Ten American Business Women of the Year."

"The mission of the American Business Women's Association is to bring together women of diverse backgrounds," Sherry explained, "and to provide opportunities for them to help themselves and others grow personally and professionally through leadership, education, networking support, and national recognition. The organization has helped me in many ways, including my growth here at Fermilab. And I also have to give credit to my children, Laurie and Ryan."

Electronics Info Available in Purchasing

Reminder: In addition to the Technical Literature Table in the Fermilab Library, an electronics technical literature and catalog distribution center is an ongoing proposition in the Purchasing Department copy room, WH 4W.

The center was created "because of popular demand and Fermilab's quest to obtain the very latest information and literature available in electronics," noted J.P. Morgan of Purchasing. "They are available to all Fermilab employees, guests, and users at no charge, and are updated and added to daily."

FermiNews - Cla\$\$ified Ad\$

FOR SALE:

Vehicular Transportation

Automobiles

1983 TOYOTA TERCELL SR5. 2-dr. hatchback, silver gray, 31,300 mi., superb condition; \$3850. Call Frank Cilyo, 232-2151.

1982 BUICK SKYLARK LIMITED. V-6, 4-dr., front wheel drive, AM/FM stereo tape player, power windows, seats, and door locks, tilt steering wheel, cruise control, new exhaust system, new steel-belted radial tires, 66,000 mi., good condition; \$3500. Call Dotti, ext. 4367.

1980 PLYMOUTH HORIZON. 2-dr. hatchback, automatic, good cond., red; \$1500-negotiable. Call Mary, ext. 3211.

1979 DATSUN 280 ZX. 70K mi., incredibly good cond., loaded w/accessories, this was the last Z produced w/out catalytic converter, totally stock, will pass air pollution test, runs on regular; \$3900. Call Curtis, ext. 4454.

1979 CHEVY TRUCK. 4x4, 3/4 ton; asking \$2500. Call Craig, ext. 3677 or 879-8271.

1978 PONTIAC PHOENIX. Good shape, Royal blue w/ black int., 2-dr, 6-cyl., AC, P/S, P/B, well-kept w/ low mileage, 59,000 mi., new front tires w/alignment, good rear tires; \$900. Call Tom Smith, ext. 3576 or ext. 3542.

Motorcycle

1976 KAWASAKI MOTORCYCLE. Model KZ900, good cond.; asking \$1700. Call Craig, ext. 3677 or 879-8271.

Snowmobile

1976 KAWASAKI 340 SNOWMOBILE. Ready for winter 1988; asking \$250. Call Craig, ext. 3677 or 879-8271.

Vehicular Residences

FLORIDA MOBIL HOME. 12x60, 2 bdrms, 1-1/2 bths, furnished, 11x18 sunroom, Florida's west coast in Shady Acres Park; \$12,000. Call Jim, ext. 4889.

1978 JAYCO TRAVEL TRAILER. 20 ft., A/C, awning, TV ant.; \$3650. Call Frank, ext. 4048 or 377-3094.

Stationary Residence

For sale by owner: Three bedroom brick and aluminum-sided ranch. Located four miles from Fermilab in a pleasant neighborhood of West Chicago, near schools. Has family room w/ efficient woodburning fireplace, full paneled basement, central air conditioning, all appliances, fenced back yard w/deck, nicely landscped, all in excellent condition. Assumable 7% mortgage; \$84,900. Call 355-0299 evenings or weekends.

Continued on reverse

Miscellaneous

Domestic Paraphernalia

For the following items, call Dave, ext. 4533 or 851-0763: 17.5 cu. ft. freezer, \$100; Whirlpool electric oven, \$50; Queen size box spring, \$60; Double hung windows w/storms, various sizes & one picture window, best offer; Singer sewing machine, \$40.