

## Fermilab Accelerator Ph.D. Program Has First Grad

In a feat akin to juggling chainsaws and alligators at the same time, Mike Syphers of the Accelerator Division has become the first person to achieve a doctorate under the auspices of the Joint University-Fermilab Doctoral Program in Accelerator Physics, all the while serving as project manager for the new 8-GeV Booster Line.

The Doctoral Program in Accelerator Physics, initiated in 1985 by Fermilab Director Leon Lederman, is motivated by the current shortage of accelerator physicists. The program is designed to provide university students wishing to pursue a doctorate in accelerator physics an opportunity to do graduate work in a laboratory with the necessary equipment while maintaining affiliation with their home university. The program is administered by Roy Rubinstein, of the Director's Office, with the Fermilab Accelerator Science Committee which consists of James Bjorken, Don Edwards, Leon Lederman, Fred Mills, Lee Teng, and Alvin Tollestrup. The committee reviews applicants and monitors the progress of those accepted. Graduate students Enrique Henestroza (MIT), Lia Meringa (Michigan), John Palkovic (Wisconsin), Leonid Sagalovsky (Illinois), Steve Stahl (Northwestern), and Xiao-Qing Wang (IIT) are currently pursuing university doctorates at the Laboratory.

While working in the Accelerator Division Operations Group, Mike became the first person to apply to, and be accepted by, the Committee. Mike then asked Don Edwards, of the Accelerator Division Headquarters staff, to be his thesis advisor.

Mike, who holds a master's degree in physics from DePaul University, enrolled in the University of Illinois at Chicago's Ph.D. program. The Laboratory enlisted the cooperation of the appropriate department chairmen at the U. of I., and Mike began a two-year effort that had him overseeing the design, construction, commissioning, and analysis of the 8-GeV Line while doing both course work and thesis work at the same time. (Normally, a Ph.D. candidate would be finished with course work before starting work on a doctorate.) Don Edwards noted that Mike demonstrated "considerable talent. He had to invest a great deal of time in order to get his degree in two years while keeping the 8-GeV Line on course. All in all, it was a remarkable achievement."

With his doctorate from the University of Illinois at Chicago in hand, and the 8-GeV Line up and running, Mike, who is now doing Main Ring aperture studies, expressed his thanks to "all the people at Fermilab, particularly the Accelerator Division personnel, the Committee, and above all, Don Edwards."

## Lab Phone Service Enters the Digital Age with CENTREX 5

Hold the phone! A new era in telephonic service will commence when Fermilab's telephone network is switched over from the present Illinois Bell CENTREX 101 analogue system, which has served the Lab faithfully since 1972, to the new, more efficient CENTREX 5 digital system.

According to Carolyn Hines, Head of Communications Services, the switch will mean that, among other things, calls will be processed rapidly, the "9" access code will place calls to the entire 312 area code (dialing for FTS and Argonne calls will remain unchanged), and requests for programming changes (new lines, hunt capability, etc.) will be filled ex-

peditionously. The Fermilab central number, 840-3000, will remain the same. CENTREX 5 will give a different set of signals when calls are placed, so employees are encouraged to attend one of the instructional sessions listed below. Classes take about 45 minutes; registration is unnecessary.

**August 24: Auditorium.** 9:30 a.m., 11:00 a.m., 12:30 p.m., and 2:30 p.m.

**August 25: Auditorium.** 9:30 a.m., 11:00 a.m., 12:30 p.m., and 2:30 p.m.

**August 26: WH 1 West.** 11:00 a.m., 12:30 p.m., 2:30 p.m., 4:30 p.m.

**August 27: WH 1 West.** 11:00 a.m., 12:30 p.m., 2:30 p.m., and 4:30 p.m.

**August 28: WH 1 West.** 7:00 a.m., 9:30 a.m., 11:00 a.m., and 12:30 p.m.

Continued on page 4

## Rollicking Canadian, Cajun Music in Next Arts Series Folk Showcase



*The Cajun band Beausoleil*

"Some of the most joyous music you're ever going to hear" awaits you when the Canadian singer Connie Kaldor and the Cajun band Beausoleil take to the stage at Ramsey Auditorium on Saturday, August 29, 1987, at 8:00 p.m.

Connie Kaldor, "destined to become the next superstar from Canada," writes songs of both historical and contemporary events, which she sings with an unflinching love of music, zest for life, wit, honesty, and warmth. Accompanying herself on the piano or guitar, or singing a cappella, Connie's rich alto voice relates stories of Canadian settlers and the inevitable difficulties between the French and English, encounters with "an old country coot" and a truckstop waitress, romance beyond compare, and even a message from "the world," a role she plays with great glee. Her innate flair for touching her audiences has won her praise, recognition, and awards throughout Canada.

From Carnegie Hall, the Kennedy Center, and European concert halls, to "A Prairie Home Companion" and international folk festivals, Beausoleil continuously demonstrates its prowess as "the best Cajun band in the world." Fiddler/folklorist Michael Doucet has made extensive studies of his Cajun heritage, and has become a devoted champion of the distinctive music that has grown from its roots with the French-speaking Acadians when they were forced into exile over 200 years ago from Canada to the Louisiana bayous. He expertly leads his five-piece Cajun band through the traditional waltzes, Creole blues, prairie two-steps, and zydeco, colored by jazz, bluegrass, and European folk roots. This is music that comes with a dare: just try to keep still as you listen!

Admission to this Canadian/Cajun musical evening is \$6.00. For further information or ticket reservations, call ext. 3353 weekdays from 10:00 a.m. to 11:30 a.m. or 12:30 p.m. to 4:00 p.m.

- Tammey Kikta

## Wednesday Night Bowling League to Set 'em Up, Knock 'em Down

The Fermilab Wednesday Night Bowling League begins its shortened 32-week season at 5:45 p.m. sharp on Wednesday, September 2, 1987, at the Bowling Green Sports Center on Roosevelt Rd. in West Chicago (adjoining the Back Door Restaurant).

Keglers can sign up individually or can form a five-person team (875 maximum team average). The sign-up fee is \$15.00 per person which covers the last two weeks of the season. The season itself will be 31 weeks of regulation competition and one week of "bowling for dollars," followed by the traditional festive banquet at which prizes will be awarded.

For information and/or sign-up, contact Bowling League reps/officers President Ed LaVallie, ext. 3138; Vice President Gene (Just a Heartbeat Away) Dentino, ext. 3838; Secretary Nancy Shanahan, ext. 3494; or Treasurer Pat LaVallie, ext. 4365.

## More Serious \$ Savings at Six Flags Great America

If you missed the NALREC/Six Flags Great America (SFGA) ticket special which expired July 26 (and was conveniently announced in the August 1 *FermiNews*), you can still scare yourself witless on the Power Dive at reduced prices.

NALREC, in cooperation with SFGA, is again offering specially priced tickets for admission to Six Flags Great America. Tickets are \$12.35 per person (adult and child), a \$4.00 per person saving over the regular admission price. The offer is open through the rest of the SFGA season.

For tickets or information, stop by the NALREC table in the cafeteria at lunch, or contact Jesse Guerra on ext. 4305 or Jo Baaske on ext. 3046.

---

Number of mazes built in Japan since 1985: 14

Number of Japanese who find their way through one each week: 140,000 - from *Harper's Index*

## Benefits Notes

### Employee Benefit Costs

Recently, you received a Summary of the 1986 Annual Report (SAR) that Fermilab must file with the Internal Revenue Service. The summary outlined the 1986 employee benefit costs. If you did not read the entire SAR, a breakdown of costs follows:

TIAA-CREF:	\$ 9,233,310
Group Life and AD&D Insurance:	591,539
Connecticut General Medical and Dental:	2,905,729
Health Maintenance Organizations (HMO):	1,858,033
Long-Term Disability Insurance:	372,963
Business Travel Accident Insurance:	6,500
Total	<u>\$14,968,074</u>

The total cost represents both the Lab's and employees' contributions. - Paula Cashin

### "Wellness Works" News

The next entry in the Wellness program series will be "Healthy Heart" on Thursday, August 20, from 12:00 noon to 1:00 p.m. in 1 West. This program will offer an in-depth look at everything you can do to strengthen and optimize your heart's functions and to reduce cardiovascular risk. Pre-registration is required; call Dotti on ext. 4367 to sign up.

- Dotti Swanson

### Entering the Common Consciousness: II

*From the "Dining Out" section of the June 26, 1987, Chicago Tribune's Friday supplement.*

[Fermilab as social engine] "Despite its conservatism, things are changing in Geneva [Illinois]. Fermilab, the world's largest particle accelerator (please don't ask), in nearby Batavia, may be expanded, and that would bring continued growth."

[Fermilab as potential gastronomic metaphor] "The restaurant scene also may be changing. A restaurant has opened that has a menu with such dishes as sauteed grouper in ground macadamia nuts and beurre blanc. (Do physics and other sciences have anything to do with haute cuisine?)"

Blossoms needed to supply nectar for one hummingbird each day: 1600 - Harper's Index

### Interactions & Events

## et al.

**Buzz (RD/Cryo) Rodewalt** has scored a spot on the United States Pistol Shooting Team by placing fifth out of the roughly 150 people who compete regularly in the United States. Buzz has been active in shooting sports since 1975. Since January of this year he has qualified in the free-pistol and air-pistol events.

Tryouts for the team were held in Chino, California, one of five matches held around the country. Participants were obliged to meet minimum score requirements and attain a level of consistency.

Buzz has just returned from North Carolina where he competed in the Olympic Sports Festival, courtesy of the U.S. Olympic Committee. He has hopes of representing the U.S. in Seoul, Korea, at the 1988 Olympics.

**Brandi Sculthorpe**, daughter of **Anna Falk** and stepdaughter of **Harvey (Bus.Serv./T&M) Falk**, was recently crowned Miss Deaf Illinois at the competition held in Naperville. She will compete in the Miss Deaf America Pageant in Charleston, South Carolina, next summer.

In the talent portion of the competition, Brandi performed a scene from *Children of a Lesser God*, a role she knows well, having understudied Marlee Matlin in the play's Chicago production prior to Matlin's performance in the film version.

Ms. Sculthorpe is a sophomore at the Rochester Institute of Technology where she studies social work and psychology, and where she was selected Miss National Technical Institute of the Deaf.

### In the Library

The Fermilab Library has obtained a subscription to *Superconductor Update*, an abstract publication produced every two weeks by computer search of the STN International network. Contact Paula Garrett, May West, or Alla Lubinsky at ext. 3401.

### Correction

The date May 19, 1987, in the memoriam for Jasbir Singh Sidhu (*FermiNews*, July 31, 1987), was incorrect. The correct date is July 19, 1987. *FermiNews* regrets the error.

# A Hot Time at the 1987 NALREC Family Picnic




---

## "CENTREX" continued from page 1

**August 31: WH 1 West.** 11:00 a.m., 12:30 p.m., 2:30 p.m., and 4:30 p.m.

**September 1: Curia II.** 11:00 a.m., 12:30 p.m., 2:30 p.m., and 4:30 p.m.

**September 2: Curia II.** 7:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m.

**September 3: WH 1 West.** 7:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m.

**September 4: WH 1 West.** 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:30 p.m.

**September 10: WH 1 West,** 9:30 a.m., 11:00 a.m., 12:30 p.m., and 2:30 p.m.

After the change-over takes place, a "trouble desk" will be available for questions and problems.

For further information right now, call Carolyn Hines or Penny Driscoll at ext. 3788.

*FermiNews* is published by the Fermilab Technical Publications Office, P.O. Box 500, Batavia, IL, 60510. (312) 840-3278

**Editor:** R. Fenner **Photography:** Fermilab Photo Unit  
Fermilab is operated by Universities Research Association, Inc., under contract with the United States Department of Energy.