

Ferminews

FERMI NATIONAL ACCELERATOR LABORATORY

URA awards scholarships to 14 seniors

The Universities Research Association (URA) has awarded its annual scholarships to fourteen sons and daughters of URA employees. The scholarships are designated for graduating seniors beginning a four-year degree program the following fall. The maximum amount of the scholarship is \$3,000 for tuition and fees, and is renewable for four years if the student stays in good academic standing. Winners were selected on the basis of Scholastic Aptitude Test (SAT) scores.

Congratulations to the 1992 scholarship recipients.

Natalie Elisabeth Baker, the daughter of **Winslow Baker** (RD/Facil. Dept.) is a graduate of West Chicago Community High School. She is an Illinois State Scholar and a member of National Honor Society and Delta Epsilon Phi, a German honor society. Natalie, who has garnered awards in music competition, plans to attend the University of Illinois at Urbana-Champaign.

Neil Everett Baller, a graduate of West Aurora High School, is an Illinois State Scholar. He received the Best of Show award in his high school's 1991 art show, and plans to major in art at Northern Illinois University in preparation for a career in cinematography, movie direction or advertising. Neil's father is **Bruce Baller** (RD/Facil. Dept.).

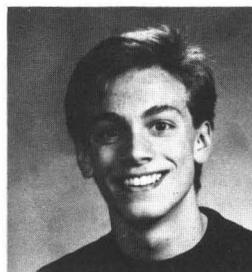
Daniel H. Christenson is the son of **James Christenson** (RD/DØ Constr. Dept.) and **Vicki Davis** (RD/Budget Officer). A graduate of St. Charles High School, Daniel plans to study liberal arts and sciences at the University of Wisconsin at Madison.

Matthew William Cooper is an Illinois State Scholar and a member of National Honor Society. A graduate of Batavia High School, Matt plans to study physics at the University of Illinois at Urbana-Champaign. Matt is the son of **William E. Cooper** (RD/DØ Constr. Dept., E789).

David Allen Eggert is the stepson of **Frank Pearsall** (Physics Section/DØ Muon Group). David is a National Merit Commended Student, an Illinois State Scholar and a member of the National and



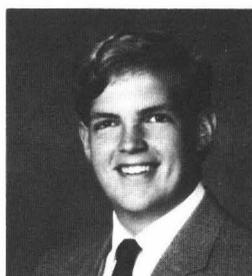
N. Baker



N. Baller



D. Christenson



M. Cooper



D. Eggert



J. Lange



K. Mantsch



B. Montgomery



C. Moretti



J. Shea

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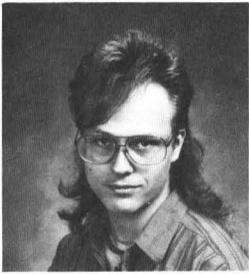
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your article
submissions or ideas
to the Publications
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URA scholarships continued



J. Trotter



N. Vonasch



K. Yarema



J. Zuk

Harper's index

Price of Video Catnip, a 25-minute video of birds, squirrels and chipmunks, from Pet Avison: \$19.95.

Percentage by which the likelihood of a child becoming obese increases for every hour of TV watched per day: 2.

Ferminews

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Spanish Honor Societies. He has also received academic awards from Iowa State University, where he will study mechanical engineering in preparation for a career in the automotive industry. At Downers Grove South High School, David was a member of the track team.

Johanna Lange, who attended Benet Academy in Lisle, is the daughter of **Fritz Lange** (AD/Mech. Support). She is a National Merit Scholar and an Illinois State Scholar, and was offered scholarships by three universities. Johanna plans to attend the University of Chicago, where she will prepare for a career as a physician specializing in sports medicine.

Krista Mantsch, a graduate of St. Charles High School, is a National Merit Scholar, an Illinois State Scholar and a member of National Honor Society and National Art Honor Society. Listed in Who's Who Among American High School Students, she plans to study sociology and history at Oberlin College in Oberlin, Ohio. Krista's father is **Paul Mantsch** (TS/Admin).

Brian Elliot Montgomery is a graduate of Batavia High School. He is an Illinois State Scholar, a National Merit Qualifier and a member of National Honor Society. He is also listed in Who's Who Among American High School Students. The son of **Hugh E. Montgomery** (RD/DØ), Brian will attend the University of Maryland at College Park, where he will major in international business in preparation for a career in international business law.

Carmela Jane Moretti is the daughter of **Alfred A. Moretti** (AD/Linac). Carmela, who attended Downers Grove South High School, is an Illinois State Scholar and a member of National and Spanish Honor Societies. She was a member of her high school's soccer, track and basketball teams. Carmela will continue her education this fall at Northwestern University.

James C. Shea was a member of Benet Academy's cross-country and track teams, capturing the 1992 conference title in the triple jump. He

played in the school's marching and concert bands, and is the drummer in a blues/rock band called the Buzztrolls. James, the son of **Michael F. Shea** (AD/Controls), will enter the Army Reserve Officers Training Corps and major in physics at Northern Illinois University.

Jason Ken Trotter, a graduate of East Aurora High School, is an Illinois State Scholar, a member of National Honor Society, and the recipient of an award for perfect attendance. He was runner-up in the Voice of Democracy competition and a finalist in the Chicago Metro History Fair. Jason will study mechanical engineering at GMI Engineering and Management Institute in Flint, Michigan. His father is **Garrett Trotter** (RD/DØ R&D).

Neil Lawrence Vonasch, the son of **Lawrence O. Vonasch** (BS/Contracts), is a graduate of St. Charles High School. An Illinois State Scholar, Neil is headed to the College of Engineering at the University of Illinois at Urbana-Champaign. He plans to study civil engineering.

Kathryn Theresa Yarema was a member of the Glenbard West High School state champion forensics team. She received the school's 1992 Best Thespian award as well as a National Forensics League Award of Special Distinction. She is an Illinois State Scholar, a member of National and French Honor Societies, and the winner of a Presidential Academic Fitness Award. At St. Olaf College in Northfield, Minnesota, Kathryn will major in communications. Kathryn is the daughter of **Ray Yarema** (RD/EE).

Jonathan Carl Zuk is a graduate of Glenbard East High School in Lombard. A National Merit Commended Scholar, Illinois State Scholar and member of the National Honor Society, Jonathan is listed in Who's Who Among American High School Students. The son of **John Zuk** (AD/RF), Jonathan will major in computer graphics at Teikyo Marycrest University in Davenport, Iowa.

Congratulations to:

Paul Quintas (RD/DØ) and Bethia Straus are delighted to announce the arrival of a beautiful boy, Joseph Samuel, born Friday, May 22, at 11:20 p.m. The baby weighed nine pounds, nine ounces and measured twenty-two and one-fourth inches. Mother and baby are doing well.

Jordan says thanks!

Thanks to all the friends who welcomed our son Jordan Matthew into this world. We thank you for your thoughts, best wishes and prayers; and oh yeah, Jordan loved his gifts. Thanks, guys and gals. —**Tonya Stoeckley** and **Matt Angst** (AD/Mech. Support)

Richard Auskalnis elected president of NAPM

The National Association of Purchasing Management, Inc. (NAPM) is pleased to announce Richard J. (Dick) Auskalnis (BS/Purchasing) as the organization's 1992/1993 president. Dick assumed his role as NAPM president at the close of NAPM's seventy-seventh Annual International Purchasing Conference, which was held May 3-6, 1992 in Orlando, Florida.

Dick responded to years of encouragement from his colleagues in deciding to run for the organization's top office. After much soul-searching, he concluded that as president, he could "contribute something, give something back to a profession that has been very good to my family and me. There are also benefits that accrue to Fermilab," he said.

NAPM is a not-for-profit association which provides national and international leadership in purchasing and materials management research and education. The organization provides its more than 45,000 associated professionals in 172 affiliated bodies with opportunities to expand their professional skill and knowledge. It also seeks to stimulate public interest in and foster a better public understanding of purchasing and materials management concepts.

The purchasing manager at IIT Research encouraged Dick, a buyer at the time, to join NAPM in 1958. Dick recognized that "there were very significant gains to be had by joining a professional organization and gaining knowledge. There were a lot of opportunities for professional growth." Prior to his tenure as president-elect and president of NAPM, he served nationally as chair of NAPM's Organization and Planning Committee. He has also served as NAPM's District X vice president. With the Purchasing Management Association of Chicago (PMAC), an affiliate of NAPM, Dick has served as second vice president, first vice president, president, and director for national affairs. He has also served

as chair and/or vice chair of the following committees and groups: Program, Scholarships, Special Programs, Purchasing Techniques, Business Survey, Professional Development and Magazine.

As president, Dick is the chief executive officer and chair of the NAPM Board of Directors. He is responsible for general supervision of the executive affairs of this seventy-eight-year-old research and educational association that serves purchasing and materials management professionals from industrial, educational, distributional, governmental, institutional and service organizations.

In Dick's mind, however, his responsibilities as president encompass much more than administrative tasks. "My theme for the year is 'Professionalism Through Education,' he said. "This profession is changing, and business is changing. We can't afford to stand still, and we can't just do things the way they were always done."

Dick hopes to help NAPM's members "recognize that they must stay ahead, and hone their skills." Purchasing professionals, Dick said, must "be proactive, not just sit and wait for requisitions to cross their desks. Purchasing should be part of strategic planning, part of corporate strategy." The new president emphasized the need to stay abreast of trends, such as a renewed respect for long-term supplier partnering, concern for the environment and the emphasis on quality programs and supplier certifications.

Dick received his Certified Purchasing Manager (C.P.M.) certificate in 1975 and Lifetime Certification in 1991.

In his role as head of the Material Department at Fermilab, Dick is responsible for all material-related functions. He has been with the Lab for more than twenty-four years and has more than thirty-five years of purchasing experience.



"My theme for the year is 'Professionalism Through Education.' This profession is changing, and business is changing. We can't afford to stand still, and we can't just do things the way they were always done."

Quality corner

The Quality Assurance and Conduct of Operations Office would like to receive suggestions from employees or users on how to improve the quality, efficiency, reliability or effectiveness of Laboratory services or operations. Please send your suggestions to Mark Bodnarczuk, MS 200 or FNAL::BODNARCZUK.

Chez Leon menus available

If you would like to know the menus to be prepared at Chez Leon each week (or further in advance if information is available), call x4018 for a pre-recorded message or access Fermilab VAX system INFO of Event at \$:

1. setup info (return)
2. \$ type: info (return)
3. At INFO, type: select events (return)
4. At INFO (EVENTS) type: dir
5. At INFO>: (return)

After reading menu,

6. At INFO type: exit

Lunch is served on Wednesdays at 12:30 p.m. Seating is available for thirty-five to forty persons. Cost is \$10 per person. Each Thursday, dinner is served at 7:00 p.m. Seating is available for forty-five to fifty persons, and cost is \$18 per person.

For reservations, call x4512. Please confirm your reservations the day before you plan to dine at the same extension.

Benefits note

CG medical claim files

Because of the new claims processing system, the Benefits Office no longer needs to maintain individual claim files. The claim files contain approximately two years' worth of Explanation of Benefit statements. Employees and retirees who want their claim files can pick them up from the Benefits Office (15WHSE) during normal business hours (8:30 a.m. to 5 p.m.) before June 19, 1992. Files not claimed will be destroyed.

Pool opening delayed

Maintenance and repair of the Fermilab swimming pool was delayed pending DOE's acceptance of the Laboratory's new ES&H Procedures for Construction. The good news is that the Lab has recently awarded a contract to perform substantial maintenance work on the pool surface. In addition, much-needed mechanical maintenance was completed through T&M with the help of Jack Mills (FESS).

Watch for the new pool opening date. Thank you for your patience. —Activities Office

June is FermiMonth at SciTech

During June the weekend lecture demonstrations at SciTech will be performed by Fermilab scientists, engineers and technicians. These entertaining demonstrations are held twice every Saturday and Sunday in SciTech's new auditorium overlooking the Fox River. The auditorium on SciTech's upper level seats up to 70 people.

SciTech has been having two Saturday shows (1:30 and 3:00 p.m.) and two Sunday shows (1:30 and 3:00 p.m.) almost every weekend since it opened in June 1990. Audiences vary from 20 to standing room only crowds of over 70.

Most of the shows have been on chemistry but SciTech is broadening the subject matter to include physics, engineering, technology, wild life, mag-lev trains, magnetic credit cards, etc.

FermiMonth will follow the successful format of NALCO Month and AMOCO Month. Each of these is due to be repeated and the SciTech staff is starting to organize an Argonne Month.

Spring/fall housing deadline

The deadline for receipt of requests for fall/spring on-site housing is July 10, 1992. Responses will be mailed by August 7, 1992. The starting date for fall/spring occupancy is September 1, 1992. For further information, please contact the Housing Office at x3777, e-mail FNAL::HOUSING or FAX 708-840-2823.—Pam Fox

Need more copies?

Has your group or office recently added summer employees? If so, *Ferminews* may be a scarce commodity every second Friday. To receive additional copies of this issue and/or future newsletters, contact the Publications Office, x3278, MS 107 or FNAL::TECHPUBS.

Correction

Ferminews reported in the May 15 issue that Safety Assessment Documents (SADs) had been prepared for the accelerator, beamlines and CDF and DØ. Beamlines should not have been included in this list.

The current schedule is the following:

- Saturday, June 6: *Electricity Show*, Dr. Vladimir Visnjic, Fermilab Accelerator Physicist.
- Sunday, June 7: *Collisions and Momentum*, Professor Greg Snow, University of Michigan and Fermilab experimenter.
- Saturday, June 13: *The Galileo Mission: To Jupiter the Hard Way*, Bill Higgins, Fermilab Engineering Physicist and President of the Chicago Space Frontiers Society. Mr. Higgins will bring meteorites to pass around.
- Sunday, June 14: *The Fermilab Cryogenics Show*, Mike Urso, Senior Technical Aide, graduate of the University of Illinois with 15 years experience in cryogenics.
- Saturday, June 20: *Science Game Show*, Miriam Bleadon, Fermilab Electrical Engineer.
- Sunday, June 21: To be announced.
- Saturday, June 27: To be announced.
- Sunday, June 28: To be announced.

Fermilab Arts Series presents Beausoleil

Saturday, June 27
8 p.m.
Ramsey Auditorium

It wasn't too long ago that Cajun music was still a well-kept secret to anyone outside Louisiana. Today the infectious joy of the Cajun sound has spread across the world, and nobody's been more responsible for that than fiddler Michael Doucet and the country's leading Cajun band, Beausoleil. Catch the Cajun fever when Beausoleil visits Fermilab's Ramsey Auditorium on Saturday, June 27 at 8 p.m.

Formed in Louisiana in 1975 by Michael Doucet, this septet earned its first success in Europe, when the French label Pathe' Marcone' released their first album in 1976. The following year Beausoleil performed at Jimmy Carter's presidential inauguration, and their reputation began to spread outside Louisiana. In the 1980s Beausoleil solidified their national reputation with significant exposure on "A Prairie Home Companion" and sold-out appearances from UCLA to Carnegie Hall.

Beausoleil has performed in movies, on network TV and in dance and concert halls from coast to coast.

They have been unanimously praised by critics, including the Washington Post, who dubbed the band "Louisiana's leading ambassadors of Cajun music," and *Rolling Stone* magazine who noted that they're "far more eclectic than Janet Jackson, but on a dance floor this music can be every bit as driving, and a lot less calculated to boot." Other fans include the Grateful Dead, with whom Beausoleil celebrated Mardi Gras for 17,000 fans at the Oakland Coliseum. They recently appeared with Mary Chapin-Carpenter on the Grammy Awards and have received three Grammy nominations.

Beausoleil performs in Ramsey Auditorium Saturday, June 27, at 8 p.m. Admission is \$12. For further information or telephone reservations, call 708-840-ARTS weekdays from 9 a.m. to 4 p.m. At other times an answering machine will give you information and a means of placing ticket orders.



Catch the Cajun fever when Beausoleil performs in Ramsey Auditorium.

Fermilab Lecture Series presents *The Man in the Ice*

Friday, July 10
8 p.m.
Ramsey Auditorium

Last September, a couple from Nuremberg inadvertently stumbled upon one of this century's greatest archaeological discoveries, the oldest human mummy to have ever been found in Europe. Although the total scientific implications will not be fully realized for several years, Dr. Konrad Spindler, who is heading up the archaeological investigation of the mummy and his possessions, will update the latest discoveries about *The Man in the Ice* on Friday, July 10, 1992 at 8 p.m. in Fermilab's Ramsey Auditorium.

While climbing the Alps, Helmut and Erika Simon came across a narrow glacial tub which was partly filled with melted snow. As they walked around the water they were shocked to see a human head and shoulders popping up above the snow. After recovering the body from the Alps it was thought that the body was perhaps 500 years old. Radiocarbon tests have now determined that this discovery dates back from 3,500 to 2,600 B.C. Along with the body was

found a "fire-striker," a dagger, a small bag with contents and numerous pieces of clothing made of fur or leather and the remains of strings. Also found were a wooden bow and quiver.

The body of the mummy, nicknamed Otze for the mountains in which he was found, was in excellent shape. His inner organs are well preserved, as is his brain, though it has shrunk to about a third of its original size. Otze was between 25 and 35 years old at the time of his death and had been tattooed.

Dr. Spindler will be presenting numerous slides of the mummy and his artifacts. Spindler is the head of Innsbruck University's Institute of Pre-History and director of the departments of Medieval and Modern Archeology. He is leading the archaeological investigation of Otze's possessions.

Admission to Dr. Spindler's lecture is \$3. Tickets are non-refundable. For further information or telephone reservations, call 708-840-ARTS weekdays between 9 a.m. and 4 p.m. Phone reservations are held for five working days, but will be released for sale if not paid for within that time.

Film Society

June's screenings will be shown in Ramsey Auditorium. Admission is \$2.

Friday, June 12: *The Killing*

Director Stanley Kubrick's film noir production which ruthlessly chronicles a robbery and the lives of the thieves. Stars Sterling Hayden. U.S. 1956, 83 minutes.

Friday, June 26: *Restored Masterpieces—a double feature*

Chang: a Drama of the Wilderness

A template for *King Kong*. Merian Cooper and Ernest Schoedsack, director. Siam, U.S., 67 minutes. (Begins at 8 p.m.)

Tabu: A Story of the South Seas

In Tahiti, two lovers are doomed by a tribal edict. F.W. Murnau, director. Tahiti, U.S. 1931. (Begins at 10 p.m.)

Timeline: a date to remember

*Fifteen years ago this month, a seven-year research program made the surprise first observation of the Upsilon particle, or bottom quark, whose partner, the top, today commands worldwide attention. On a fixed target run which began May 15, 1977, experimenters led by **Leon Lederman** of Columbia University discovered Upsilon, a particle made of a bottom quark and antiquark.*

The discovery of the Upsilon particle

Columbia University and Fermilab initiated the search in June of 1970 with experiment E70, phase two of which began in 1974 and called for the installation of a new detector capable of searching for the muon pairs. Predestination enters the picture here when the experimenters proposed to extend the search of E70, “publish and become famous.” The experiment was sanctioned and renumbered E288.

In 1975, physicists from the State University of New York at Stony Brook joined the collaboration, and after eleven months the enlarged collaboration had installed the new detector system. In order to push to higher statistical precision, the collaboration turned from electrons to muon pair detection. This required a third of a ton of precious and expensive beryllium.

A nationwide search by Energy Research and Development Administration officials and self-professed “telephone physicist” Lederman located a long-forgotten cache of the costly substance in a warehouse at Oak Ridge National Laboratory. The find was shipped to Fermilab and sculpted to fit E288’s detector system.

When the experiment began to take data, “there was really no hint we were about to stumble on something,” E288 physicist **Chuck Brown** (Phys. Sect.) remembers. Within one week of the start of the May run, however, events showing that two muons had decayed from a single particle weighing nearly 9.5 GeV became apparent. But as the initial results began to clearly demonstrate the existence of a new particle, a brief fire in the Proton Center pit on May 22 interrupted the experiment and threatened to halt Upsilon’s confirmation. A fire salvage expert was summoned, and the physicists scrubbed the experiment’s electronic circuit boards clean. On May 27, E288 was again taking data.

Analysis by the Computing Department’s CDC 6600 computer concluded that the 26,000 significant events near 9.5 GeV were proof of the Upsilon. At the time, **Bob Kephart** (CDF) was a postdoctoral research physicist from Stony Brook working on E288. E288 may have been small in comparison to the 300-plus person experiment now in his charge, but its data was indisputable. “There was just no question that the signal was real,” Kephart says.

History had been made, but in the process it opened a door to another family of particles. “Speculation is mounting that a new pair of quarks exists,”



Members of the E288 team discovered the Upsilon particle in 1977.

E288 spokesperson Lederman said shortly after the announcement. “These have been given such fanciful names as... ‘top and bottom.’”

Today, the search for top is underway, and experimenters who worked on E288 find themselves in a familiar yet different situation. “The top will be much harder to discover than the bottom,” Kephart explains. “The number of events will be small, the signatures hard to understand.”

Jeff Appel (Phys. Sect.), who directed the E288 day-to-day operations, agrees that finding the top will be difficult. But he maintains that the discovery of the bottom was possibly a more important find. “It was the first indication of the third generation of quarks.” Appel adds that if the top were not as heavy as is now expected (>91 GeV), it would be a less striking discovery — just another hole to fill in the Standard Model. But because its massive weight is unexplained, finding it could prove integral to understanding the origin of mass.

With both the CDF and DØ detectors looking for the top, the race is on to be the first experiment to see it. In the case of Upsilon 9.5 GeV, the experimenters displayed a level of conservatism when presenting their finding to the world; they didn’t want to make a false claim to a nonexistent particle.

“Now we have to balance that conservatism with the reality of another competing experiment,” Kephart says, speaking for CDF but echoing a silent directive undoubtedly familiar at DØ. “We don’t want to make a mistake, but we also don’t want to be second.”—*Brian Charles*

First visitors to Science Education Center say thanks

The Education Office welcomed its first visitors to the innovative Science Education Center on April 21. These eighty-eight fourth-graders from Western Avenue School in Flossmoor District 161 recently offered their impressions and expressed their thanks in letters mailed to their Fermilab hosts.

The Education Office wished to share some of the students' more colorful comments with the Fermilab community. Among the students' opinions (in their own words)...

"I learned that figuring something out isn't as easy as it looks without having a way to cheat... I liked the accelerating science movie we watched."—Noah

"Dear Fermi Lab people,

I thought that Fermi Lab was a really neat place...I think the movie where you touch the screen and what you touch is what happens was neat also." —Lizzy

"We thought your education building was cool...I really liked the Cryo-Genics show. It was super cool."—Clint

"Dear Fermi Lab Scientists,

I had thought I knew a lot about accelerating science, but I figured out that I barely knew the basics...I liked the presentation with liquid nitrogen, but we never found out the scientist's name. The shape shooters were super-fun!" —Helen

"Before I came to Fermi Lab, I never knew how much scientists had to study. It's really amazing how things happen!... My favorite part was all the different stations like the gravity excelerator and the station where three balls and the negatively charged ball. I think a day at the Fermi Lab makes a perfect field trip." —Rachel

"I had a lot of fun. I would like to thank you for having us! I really liked the remote control bulldozer that was testing radiation...Next year I would like to come back and watch the Proton Accelerator work." —Doug

"I thought your education building was really neat...the video rap was really fun...Hypothesising was really neat because when the marble shot out of the accelerator it was fun seeing where the marble would end up coming out...Fermi lab was really fun." —Asaf



Kris Ciesemier (LS/Ed.) helps student visitors explore the interactive teaching station "rollers and ramps."

"I liked the exhibit very much...I think particles are very interesting and I can't wait to see what's in quarks. . .I think you could continue showing kids your exhibit. In the future, I would like to come again with my family." —Mike

Lakers capture basketball title

The Fermilab Basketball League completed its eighth indoor season this past winter. The champion Lakers posted a ten and two record for the regular season. Bad Company, the runner-up, finished with nine wins and three losses. Flatwater came in third with a record of eight and four, and Lynch Mob chalked up four wins and eight losses in their fourth-place finish. The fifth-place team was Mr. Sneaky's Boyz, who won three games and lost nine. **Ron Ray** (RD/RFD) of Mr. Sneaky's Boyz, the league high scorer, snagged the most valuable player award for the regular season.

The championship game pitted the Lakers against Bad Company. The Lakers scored the first seven points of the game and went on to lead 39-22 at half time, with **Kerry Ewald, Jr.** leading the Lakers with 17 points. **Al Sondgeroth** (RD/Site Oper. Dept) paced Bad Company with nine points in the first half. **Steve Takach** (E769) (22 total points) and **Scott Radeztsky** (E791)(21 total points) got the Lakers going at the start of the second half with their three-point shooting as the Lakers cruised to a 79-43 win and their fourth straight title. **Kerry Ewald** captured most valuable player honors for the playoffs.



The Champion Lakers: back row, l to r, Casey Hartman (E706), Floyd Sample (AD), Steve Takach (E769), Scott Radeztsky (E791), Harry Ferguson (RD). Front row, l to r, Cliff Foster (AD), Fred Lewis (RD), Kerry Ewald, Jr. Not pictured is Les Nalcae (SSCL).

Library opens Tiger branch

Beginning several weeks ago, **Joe Kenny** (ES&H) began collecting documents for what is now known as the Tiger library. What began as a basic collection of about 200 documents requested by the Tiger Team members, has now grown to a collection of over 1,000 documents. All of these documents have been cataloged by **Rob Atkinson** and **Jean Nickels** into the online system. "We now have a great working collection of Fermilab documents," said Librarian **Paula Garrett**, who along with temporary Librarian **Bonnie Goeser**, has been staffing the library and providing public assistance.

The Tiger library is open seven days a week, 24 hours a day. "I think the library has done a good job of keeping up with the urgency of the Tigers and their requests for documents," said Joe.

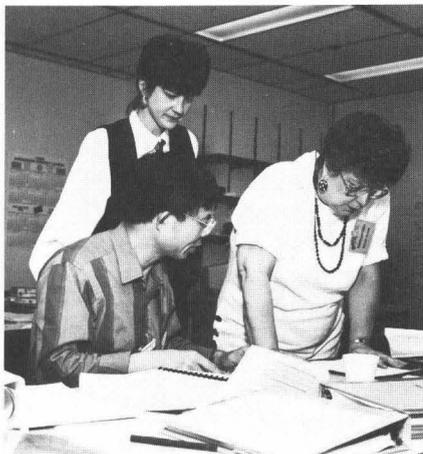
"The whole Tiger library effort has been a lot of work, a lot of hours, but it has really put us in touch with people. Not just Tigers, but Fermilab people as well. I think they have gotten a sense of what a library can do for them. From the Library's point of view, it has been a very beneficial experience," said Paula.

Life with the Tigers : an update

The Tigers arrived on May 11, drawing to a close a period of vigorous preparation and anticipation for the Laboratory. In 1989, Secretary of Energy James D. Watkins heralded the Tiger Team's arrival when he announced his 10-point initiative designed to strengthen the Department's environment protection and waste management activities. Since that time, it has been a period of heightened ES&H awareness, responsibility and education for everyone at the Lab.

As the Lab strives to move into what has become known as the "new culture," the Fermilab community has worked together to conduct an internal assessment, perform an extensive, sitewide OSHA inspection, form an Environment, Safety and Health Policy Advisory Committee (ESHPAC) and open an Office of Self-Assessment. Director John Peoples formed a Tiger Team Task Force whose duties included preparing for the Tigers' arrival, accommodating the Tigers during their stay, facilitating interviews and preparing the action plan after the Tigers' departure.

The Tigers began their assessment by talking with managers, employees and users in order to get an accurate picture of the status of our ES&H program and its management. After returning from the Memorial Day holiday, "most of their interviewing of a lengthy nature was complete," said Bruce Chrisman, Associate Director. "The Tigers' main activities over the next couple of weeks will be pulling together their reports and doing what is called factual accuracy reviews (FARs)," said Bruce. To complete the FARs, the Tigers will meet with Lab personnel to check facts. "They are very interested and we are very interested in being sure that the facts they use to support an observation are correct,"



Paula Garrett and Bonnie Goeser assist Tiger Sam Huang with accessing documents in the Tiger library.

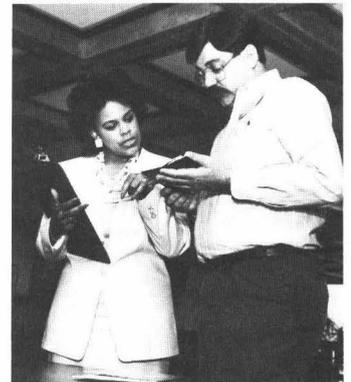
said Bruce.

After checking facts, the findings of the Tiger Team Assessment (TTA) will be documented first in a preliminary report which we will receive at the final closeout scheduled for June 8 and then in a final written report which will be delivered directly to Secretary Watkins by the Tiger Team leader, Harry Season. The Tiger Team Assessment report will contain individual findings (e.g. compliance findings, best management practices and noteworthy practices), root causes and requisite supporting documentation.

Upon receiving the TTA report, Secretary Watkins will request that Fermilab prepare an action plan which addresses each of the assessment findings and root causes. The action plan is intended to set forth specific actions which the site will undertake to remedy deficiencies noted in the TTA report. The plan will include a timetable and funding requirements for the implementation of the planned actions.

Viewpoint

Throughout the Tiger Team Assessment, the Laboratory has provided an escort service for the Tigers under the leadership of Greg Bock and Stephen Pordes. There are 54 individuals who are serving either as escorts or alternates. Under this



Dianne Ingram and Tiger Walter Scott plan their interview schedule.

program, an escort is assigned to each Tiger to facilitate the assessment process. Each escort would have a different story to tell regarding her or his experience. Below are the viewpoints of two escorts.

Dianne Ingram: I would try to arrive here every morning around seven so that I could organize my thoughts and sign off on things so that the EO office could function in my absence.

During the first week, we had escort meetings at 7:30 every morning to address any questions that we had. After the meeting, I would meet with my Tiger, Walter Scott, to begin the day of pre-arranged interviews. Most of the Tiger's interviews ran on schedule and lasted at least one hour. Once we had done a

cross-cut, my Tiger's interviews went faster. He was more familiar with the operation of the Lab, so things people told him were no longer new. Also as people got busier, smaller chunks of time had to be arranged. Since many section heads/department heads/group heads met with several Tigers, we really had to juggle schedules.

I found the whole process in some ways exhausting, but in most ways very educational. I learned more about the Laboratory in two weeks than I had learned in twelve years. We were asked to take notes, but this was not a difficult job because I found myself in a situation very similar to a lecture. I took notes because it would be useful in my reports or it was something I didn't know.

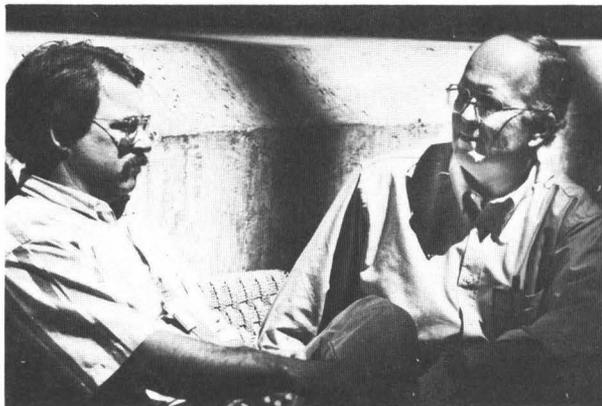
Since my Tiger's area for investigation is training, we sat through some training sessions. That was an interesting experience because in my role at the Laboratory I am often involved in giving training.

As an escort I completed a daily log which listed everyone my Tiger visited, where the interview took place and the subjects discussed. If I sensed in listening to the discussion that the Tiger was identifying a potential concern or finding, my job was to fill out a special form that would alert our management. An additional reason was to make a list of all documents supplied to my Tiger so that copies could be supplied to the Tiger library.

In his May 11 opening remarks, the Director said this was going to be a learning experience for the Laboratory and my escort job has been just that. Over the last few weeks I have learned that to be a successful escort you must be communicative, have knowledge of the Laboratory, know people and their roles, be flexible and be a good sport.

Stan Orr: In the beginning, I was apprehensive. I had built up to this and said now what? What are these people like? During the inspections, my Tiger didn't go out and try to find everything that was wrong. Basically he communicated with the people. He told them these are the things to look for, these are examples. It was done in a very courteous, very constructive way.

My Tiger, David Drury, was very good about communicating and sharing. I think it was my good luck to be with someone who was as disarming as he was. He put people at ease, expressed his appreciation for the work they had done and then in this really positive way suggested improvements or what he felt should be worked on. When he left, the people were very pleased. There was no resentment or hostility. Our employees were waiting, they were eager, but they were also on their guard, afraid that maybe



Tiger David Drury and Stan Orr discuss the events of the day.

something would go wrong. David Drury has this ability to communicate well and to interact, to make this assessment a learning experience.

The OSHA type inspection is right down to the kitchen floor. It is not a management type effort at all. It is about worker safety. My Tiger interviewed workers on the floor. He asked people to open their tool boxes and looked for tools that might be damaged. He asked a machinist to operate a tool. He asked a forklift driver to see if the brakes on the forklift were working. He asked a cleaning person at CDF if she knew what chemicals were used in a cleaning solvent. Then he said, "This place is kept like someone's living room." He made people's day. It was so positive, I think people were disappointed if they didn't get inspected.

A great deal of effort went into our preparation for the Tigers. I have been with the Lab for a long time and I have seen this kind of effort many years ago—when beam first came to the Main Ring "A" sector; beam out to Proton; when we moved the Proton Lab to Wilson Hall and accomplished it over a weekend. That type of adrenalin is what I felt in participating in the Tiger Team Assessment. It brought back to mind many of the old adventures we have had. It was very inspiring.

Maxine Snee, Jean Lemke and Sally Strauch help manage the daily administrative needs and paper flow in the RTO.



Response Team Office is given support

Providing administrative support for the Response Team Office (RTO) are **Jean Lemke**, **Maxine Snee** (both of the Directorate) and temporary employee **Sally Strauch**. With assistance from other members of the Director's Office administrative team, they staff an office that remains open approximately 15 hours a day. Included in their duties are arranging for transportation, equipment and materials, copying, filing, word processing and handling the phones. "It has really been busy," said Jean Lemke. "A huge amount of paper has flowed through the RTO."

Despite the work load, the office staff thinks things are going well. "The office has really run quite smoothly," said Jean. "Much of the credit goes to **Harry Melanson**." Harry, who heads the RTO, organized the method of reporting and processing information that comes into the RTO. "Without that, we would not have functioned so smoothly," said Jean.

Nalrec news

Fermilab Day with the **Kane County Cougars** is Saturday, June 13. The game starts at 7 p.m. and tickets cost \$3.50 per person. Bring your family and friends for fun, fresh air and door prizes. For tickets, contact Charlotte at x4550, George at x3307 or Colleen at the front desk, x3353.

Nalrec is sponsoring **whitewater rafting trips** to Wolf River, Wisconsin. Cost is \$90 for one night's stay in a motel, bus ride, snacks in transit and a total of ten-and-one-half hours rafting. Indian Reservation Gambling costs \$10. The June 13/14 trip is sold out, but reservations are still being taken for the July 18/19 excursion. See Dominick, x3187, with a \$50 deposit to secure a seat.

Be sure and save June 26 for the annual **Hard Times party**. (You know, our celebration of the annual raises.) Details are being worked out by Nancy Bartlett, x2902.

For details on a **fishing derby** at Fermilab, see Paul Gentry, x4731.

Ed Justice (x2569) is planning a **chartered fishing trip** on Lake Michigan.

Interested in a **golf outing**? Contact Gary Smith, x3878.—Charlotte Smith

Classified ads

Vehicles

1980 Volvo station wagon 120,000-plus miles. Body in good shape, engine even better. \$2000 obo. Sean, x8504.

1984 Honda-Aero 80 scooter. Good condition, 4300 miles, \$650. Great for the college student. For information, call x4361.

1983 Yamaha Maxim, 750 CC. shaft drive. For information, contact Disney::Carrier or x4307, 708-393-6285.

1967 Tempest Convertible. Runs better than most new cars. Original int. 98,000 miles. \$6,500. Call Connie, x3807.

Real estate

Timeshare, St Johann Pongau, Austria. Alpenland. One week, high season, one bedroom. Lifetime use, deeded. Can be exchanged for other area. \$9,500. Call Paul after 6 p.m., 708-852-3033.

Three-bedroom townhouse with attached garage in Warrenville, close to Lab. All appliances. Rent \$885 per month, buy \$93,500, or rent-to-buy option. Call x4597 or 708-983-0279, FNAL::B94786

Miscellaneous

Cannondale Road Bike Model ST500 in very good

condition. Titanium grey metallic, 21" frame, Cyclone Superbe Tech equipped. \$325 or best offer. Tom Groves, x3962 or 708-961-0858.

Men's 10-speed bike, \$90. Slide projector and screen, \$45. Also bench top table saw. Call 708-584-6698 after 5 p.m..

Men's 25" 10-speed, \$50; women's 22" 3-speed, \$40; Schwinn 5-speed tandem, \$150; Exercise bike, \$30; Weight bench & accessories, \$75; 2 rattan highback swivel rockers w/cushions, \$150/pair; Panasonic stereo w/turntable and cassette, \$50; Baldwin organ, \$350; king size comforter & 2 sheet sets, masc. color/stripe, \$125. Please call 708-898-6905 & leave message.

Portable Kenmore dishwasher, \$250. Iron bed, 3/4 size, antique white, \$80. Crystal chandelier, \$100. Call 708-552-1320.

Twenty-eight-foot Carver Mariner Cabin Cruiser, twin 220 H.P. V-8s, Halon, VHF, enclosed head and shower, galley with propane cooking, extras, \$34,000. Call 708-892-7206.

Four Michelin 185 X 14 tires. Good condition, \$40. Pool, 3' by 12' with two filters, solar cover, ladder, other accessories, \$50. Call Bob K., x2850.

IBM Typewriters: Selectric II, \$130, Selectric II correcting, \$260. Both are newly reconditioned with new rollers. Call 708-983-0279 or FNAL::B94786.

Celebration marks 25th anniversary

June 15, 1992 marks the 25th anniversary of the start-up of Laboratory operations at the Executive Plaza Office Building at Oak Brook, Illinois.

A dedicated group of Fermilab pioneers, some of whom remain at the Laboratory, moved from Oak Brook to houses in the former village of Weston in October 1968, and then relocated to Wilson Hall in 1973.

To commemorate Fermilab's birth, a special 25th anniversary celebration will take place at 3:30 p.m., June 15, 1992 in the Wilson Hall cafeteria. All Laboratory employees and visitors are invited to attend a short, informal ceremony, then stay to enjoy coffee and anniversary cake with Fermilab friends.



Robert R. Wilson (left) and Glenn Seaborg break ground for the Linear Accelerator.