

Ferminews

FERMI NATIONAL ACCELERATOR LABORATORY

DOE releases new Mission Statement

The Department of Energy, under the leadership of Secretary Hazel O'Leary, has developed a mission statement that reflects a strong commitment to science, technology, economic growth and environmental preservation.

The mission statement was written by senior DOE officials and directors of the national laboratories based upon input and comments received from employees throughout the DOE complex.

The mission statement developed reflects the changing focus of the Department of Energy. Shortly after her nomination, Mrs. O'Leary stated, "I believe we need change in the Department of Energy. Change is necessary because I know the same tried-and-true strategies do not work."

Mrs. O'Leary began her energy administrative experience in 1974, when she joined the Federal Energy Administration. In 1977, when FEA merged into the newly created DOE, O'Leary became Deputy Administrator of the Economic Regulatory Administration. Through



Secretary O'Leary

most of the 1980s she served as vice president at O'Leary Associates, an international consulting firm specializing in energy economics and planning founded by her late husband, John O'Leary.

Born in Newport News, Virginia, Hazel O'Leary graduated from Fisk University in 1959, took her law degree from Rutgers University in 1966, and is a member of the bar association in the District of Columbia and New Jersey.

The Department of Energy Mission Statement

The Department of Energy is entrusted to contribute to the welfare of the Nation by providing the scientific foundation, technology, policy and institutional leadership necessary to achieve efficiency in energy use, diversity in energy sources, a more productive and competitive economy, improved environmental quality and a secure national defense.

Ph.D.s are the future of high-energy physics

Let no one tell you differently. Fermilab exists because people want to do science. To continue the desire to do science, one must cultivate young scientists.

Fermilab was built 25 years ago on the belief that science and the scientific community are essential resources for the future of our country and the world. It is a tradition that we continue to strive for today.

Yet scientific research is a tradition that began at least 2,500 years ago. It has always looked forward, looked to the future. In fact, it must look forward, because research is only perpetuated by progress. By change. By new ideas. New scientists.

It is here at Fermilab that abstract concepts be-

come reality. Behind all the technology and the hypotheses, the conferences and the data, there are the physicists who make it happen. Fermilab does an immense amount of work for the future of science simply by furthering the education and experience of the next generation of physicists.

The Ph.D. work that is done at Fermilab has no precedent in the high-energy physics community. In quality, quantity and diversity, thesis research here continues to be of great importance to the field. Many of the young high-energy physicists of today got their start in the Fermilab fixed-target collaborations of the

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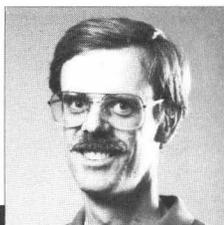


Summer Lecture Series not just for kids anymore

Stephen Holmes
*Introduction to
Particle
Accelerators*

David Anderson
*Introduction to
Particle Detectors*

Herman
White
*Anatomy of a
Future Particle
Physics
Experiment*

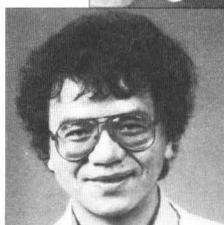


Chris Quigg
*Frontiers of
Particle
Physics*

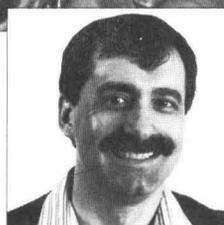
Leon
Lederman
*Past,
Present
and Future
of Science*



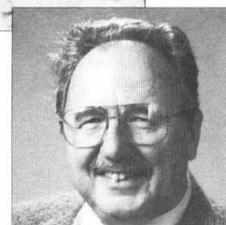
Arlene
Lennox
*Applications of
Accelerators
in Cancer
Therapy*



G.P. Yeh
*Searches for the
Top Quark*



Rocky Kolb
The Big Bang



Drasko Jovanovic
*The Standard
Model*

Center:
Jim Davenport (I),
surrounded by
several of his
student interns,
waits for the noon
lecture to begin.

It might not be the same atmosphere as Chez Leon, but this lunchtime fare has become pretty rich stuff—not in a culinary sense, but intellectually. What is this mid-day meal for the mind? It's the Summer Lecture Series for College Students, but it isn't just for kids anymore.

The weekly Wednesday lectures have become a familiar place for visitors, users, teachers attending Education Office programs, co-op students and Lab employees, as well as the summer undergraduate interns who are the intended audience. Occasionally, even staff physicists can be seen sitting in the back-row shadows (no doubt catching up on some concepts they slept through back in graduate school).

Jim Davenport, on-site coordinator of the Summer Internship Program in Science and Technology sponsored by the Equal Opportunity Office, was involved with the development of the lecture series back in 1979 when it was started by **Herman White** (RD). Jim has since taken over its organization and has seen the lecture series grow into a very open, social and exciting part of summer programming at Fermilab.

When the lecture series was started in 1979, Herman explained, it was seen as a way to add structure and cohesion to the summer experience for students. As the anecdote goes "I told Leon [Lederman] I thought we had a need for more structure in the program," said Herman. About a week later Leon came up to Herman and asked him "if

he'd gotten that problem fixed." When Herman said no, Leon told him that if he was going to offer criticism, he'd better start working on a solution...and so the first summer lecture series was born.

The nine topics of this year's lectures were diverse enough to give the undergraduates (and all those others who sit in) a broad view of the different physics that goes on here at Fermilab. The topics were, however, specific enough to be challenging and interesting to most students. "Almost everybody has been to all the lectures," said student Gladys Ducavdray. "People might miss one or two, but most of us want to make it here."

Several other students expressed their enthusiasm for the lectures, and many felt that the scientists doing the lecturing made

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B physics conference features hadron accelerators

A workshop jointly sponsored by Fermilab and SSC Laboratory convened this summer in Snowmass, Colorado. The *Workshop on B Physics at Hadron Accelerators*, which met from June 21 through July 2, brought more than 200 members of the high-energy-physics community together in a cooperative effort.

The principle goal of the workshop was to explore the opportunities for the study of *B* physics, especially CP Violation, at hadron accelerators and lay the foundation for proposals for new detectors or upgrades of existing ones. There have been four short workshops on this subject over the past year at Fermilab and the SSCL, but these were all preliminary to the major two-week study.

Both the theoretical and experimental aspects of beauty physics were explored in detail, with the goal being to develop a coherent long-term program. The specific efforts of the workshop included defining physics goals for *B* physics research, setting performance specifications, studying technological choices and layouts, and examining background conditions.

The first day of the workshop was devoted to talks by invited speakers summarizing the status of *B* physics. There were several other invited and contributed talks throughout the workshop. Invited speakers

from Fermilab included **Jeff Spalding** (RD), **Isi Dunietz** (RD/Theoretical Physics) and **Shekhar Mishra** (AD).

The members of the workshop were primarily concerned with a detailed, quantitative comparison of 14 current or proposed experiments for *B* physics. They met in small groups on specific topics of interest. These working groups were convened by physicists from all over the world. Fermilab conveners included **Vinod Bharadwaj** (AD), **Pat Colestock** (AD), and **Fritz DeJongh** (Physics Section).

The comparisons of different experiments will not be developed into specific proposals until the group members and their conveners have compiled the work done during the workshop. Reports on the work will appear in the proceedings that will come out this fall.

In general, however, the Fermilab collider capability is thought to compare favorably with other experiments or proposals. Because the Tevatron is the highest-energy collider in the world, it can effectively produce greater numbers of *B* decays than any other project. Shekhar, one of the organizing committee from Fermilab, explained that Fermilab's collider can produce orders of magnitude more *B* decays than the



David Ritchie (r), assists a conference participant.



Several Fermilab employees, including Karen Carew, Candies Kastner and Dane Skow (l to r), provided computing assistance at the conference.

proposed "*B* Factories" at SLAC, Cornell or KEK could produce.

Shekhar was one of several Fermilab staff to serve on the organizing committee for the workshop. The others were **Ron Lipton** (RD), **Isi Dunietz**, **Cynthia Sazama** (Physics Section), and **Jeff Appel** (head of Physics Section), who was co-chair of the workshop along with Vera Lüth from SSCL.

The workshop was kept running smoothly by a dedicated office staff and computing service. Cynthia Sazama, of the organizing committee, and **Suzanne Weber** (Physics Section), along with colleagues from SSCL, kept the registration, mail and daily operations of the workshop on schedule.

The computing staff, headed by **Dane Skow** (Physics Section), put forth an outstanding effort to keep workshop members connected with home, but more importantly keep them connected with the high-energy-physics computer processing power around the world. **Peter Cooper** (Physics Section), **Vyto Grigaliunas** (CD), **Andy Lego** (CD), **Karen Carew** (Physics Section), **Candies Kastner** (Physics Section), **David Ritchie** (CD), **Marcia Streetman** (Physics Section) and **Craig Williams** (Physics Section) were all "on loan" from Fermilab to assist with the computing needs of the workshop.

Activities display is for browsing

Diana Smailus and LaMargo Gill of the Education Office take some time out to look over the Activities Office Discount Pamphlet rack on WH15W. The pamphlet rack contains brochures and discount coupons to many local and national attractions.



Today: Family Day and Taste

Special sites around the Laboratory will be open from 4 to 7 p.m. today.

Bring your family out to see an insider's view of Fermilab. Maps have been sent to each employee or can be picked up in the Public Information Office.

Nalrec is hosting the traditional Taste of Fermi from 5 to 10 p.m. in the Village. Check out the orange posters to see the schedule for the Dunk Tank!

Join the games and enjoy the food. Don't miss the Weird Science Show at either 5:30 or 7:30 p.m. at the Users Center.

Art series "gospel"

"It's the vocal virtuosity crackling throughout that makes this recording such a find. From the angelic heights of Samuel H. McCrary's tenor to Isaac Freeman's bullfrog bass, these singers have been blessed with a sound that must be heard to be believed." —*Musician*. Hear for yourself the influential, traditional gospel music of the Fairfield Four as they perform along with the Gospel Harmonettes of Demopolis, Alabama at Fermilab's Ramsey Auditorium on Saturday, August 21 at 8 p.m.

There have been many great gospel singing groups to come out of the South throughout the last 100 years, but probably none has been as influential as the Fairfield Four. In 1942 national recognition came to this young group when they won a promotional contest that offered an appearance on Nashville's WLAC. This radio broadcast proved so popular that for 10 years, five days a week, the group remained on the air. Today, two of those same members of the group remain in the Fairfield Four. The Gospel Harmonettes of Demopolis, Alabama is an all women, a cappella quartet that has been creating exquisite harmonies together since 1974.

Don't miss an inspirational evening of traditional a cappella gospel, on Saturday, August 21 at Fermilab's Ramsey Auditorium. Tickets are \$9. For further information or telephone reservations, call 708-840-ARTS weekdays from 9 a.m. to 4 p.m.

Ferminews

Announcements

Family & medical leave changes

The much publicized Family and Medical Leave Act of 1993 is now in effect. The basic provisions of the Act and their impact on you are as follows:

Under the Family and Medical Leave Act (FLMA), you may take leave up to 12 weeks per year for the birth or adoption of a child or the placement of a foster child; for a serious personal health condition; or to care for your spouse, parent, son or daughter who has a serious health condition. Twelve weeks is the amount of time allowed for all reasons (not per reason). If you have one year of service, you are eligible for FMLA leave. Part-time employees are eligible on a pro-rata basis. Upon return from leave, you will be returned to the same job or a fully equivalent job.

The FMLA stipulates unpaid leave; however, Fermilab will require that you use all of your paid leave, where it is appropriate, before being placed in a leave-without-pay status. When leave-without-pay status applies, the Lab will continue to pay your medical and dental coverage as long as you elect to continue paying your share of the cost. Other benefits will be handled the same as for a regular leave of absence.

For the birth of a child, if you are the mother, you will use sick leave for any portion of time off for your certified disability. The mother or father must use vacation for caring for the infant. If this paid FMLA leave does not cover 12 weeks, the balance will be in an unpaid status. For placement leave for the care of an adopted or foster child, you must exhaust your vacation benefits before unpaid leave is granted. If both parents work for Fermilab, the total time mandated by the Act for birth/placement is 12 weeks, not 24. This leave is only valid for one year from birth or placement.

For your personal illness, there will be

very little change in existing policy. The requirements for sick leave will remain in effect, which means your sick leave and vacation benefits must be exhausted before leave without pay will be granted. In many instances, you may have accrued enough sick leave to cover the 12 weeks.

Family illness leave is for the care of your spouse, parent or child who has a serious health condition such as one that requires care in a hospital or other residential medical facility; incapacity requiring absence from work or school for three or more days and involving treatment by a health care provider; and/or continuing treatment by a health care provider for a chronic, long-term health condition that is incurable or serious. A serious health condition must be certified by the attending physician or practitioner and must be re-certified every thirty days.

You are expected to give Fermilab as much notice as practical and possible—at least 30 days when the leave is foreseeable. The 12 month period for purposes of FMLA leave is measured from the date of your first leave. Intermittent and/or reduced schedules will be approved if medically necessary. If you choose not to return from FMLA leave (unless a medical condition prevents it), you will owe the Lab for the portion of health benefits paid on your behalf while in unpaid status.

If you wish to take leave under the Family and Medical Leave Act you must inform your supervisor and contact the Benefits Office to receive more complete details and a Leave Request Form that must be completed.

Questions regarding the details of FMLA leave should be directed to the Benefits Office x3395. Questions about what constitutes a serious medical condition or who is an approved medical provider/practitioner should be referred to the Fermilab Medical Office, x3232.

—Ruth Christ

Annual Report arrives

Fermilab's 1992 *Annual Report* has arrived. Employees wishing to pick up a copy may do so at the Public Information Office (Wilson Hall, 1 West), Visual Media Services (Wilson Hall, East Catacombs) or the Publications Office (Wilson Hall, 15W). Additional distribution sites are located at the Feynman Computing Center, the Industrial Center Building, the Housing Office, CDF and DØ.

Passing the barn dance baton

After nine years, **Gene Dentino** (CD/HQ) is retiring as the host of the Barn Dance. **Lynn Garren** (CD) and **Dave Harding** (AD/Main Injector) will co-host the dance starting with the new season beginning in September. Gene said that his experience with the event has



Dave Harding, Lynn Garren, and Gene Dentino (l to r).

been highly rewarding, and that he hopes to “return from time-to-time as a dancer—ladies watch your toes!”

In the last nine years, attendance at the dances (held on the 2nd Sunday of each month—September through June) has in-

Golf scramble coming up

Fermilab Golf League announces a golf outing at Edgebrook Country Club in Sandwich, Ill. on August 20.

Tee time begins at 12 noon. Green fees are \$20, plus optional cart \$10. The play format is a four person scramble (make your own team), plus optional games. There is a \$10 entry fee per team and prizes for low-gross and low-net scores will be awarded.

Come see how much fun golf can be when you don't have to play your mistakes.

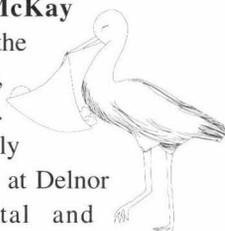
For more information or to sign up call Al Baumbaugh at x4044 or FNAL::BAUMBAUGH, or Rick Dixon x3782.

Congratulations to

Aprille and **Tim McKay**

(Physics Section) on the birth of their daughter, Isabel Cooke McKay.

Isabel was born on July 3, 1993 at 10:40 a.m. at Delnor Community Hospital and weighed nine pounds, seven ounces. She is the couple's first child.



creased from about 30 to 100+ (144 has been the highest so far). The dances are produced in cooperation with The Fermilab Folk Club, The Fox Valley Folklore Society and The Chicago Barn Dance Company.

The dances are traditional American Square dances, contra (line) dances, and circle dances—with a spattering of clogging throughout. The atmosphere is extremely social. You need not come with a partner, and children are welcome. All levels of dancers intermingle with instructions (walk-throughs) given before each dance. The professional callers skillfully keep the dances moving. Light refreshments are available and admission is \$4 per adult. The dances are scheduled from 7 p.m. to 10 p.m. at the Kuhn Barn.

Movie schedule announced

The Fermilab International Film Society presents movies from all over the world. Movies are shown at 8 p.m. Fridays in Ramsey Auditorium. All foreign films have English subtitles. Admission is \$3 for adults, \$.50 for children 12 and under. Coffee and cookies will be served on the second floor mezzanine following each film.

August 13: *Homicide*, A homicide detective is assigned to investigate the murder of a Zionist gun-runner. A stunning, bleak police thriller of ideological awakening and betrayal. David Mamet, director, U.S. 1990, (102 min.).

August 27: *Boyfriends and Girlfriends*, The last of the “Comedies and Proverbs” series, an ironic but benevolent vision of the interplay of choice and chance in the course of romance. Eric Rohmer, director, France 1987, (102 min.).

Harper's Index

Ave. speed of Heinz Ketchup, from the mouth of an upended bottle, in miles per year: 25.

Chez Leon Menus thru mid-August

Lunch \$13.00/Dinner \$23.50
Reservations: x4512

Wednesday, August 11

Mixed Vegetable w/Transparent Noodles
Chicken w/Korean Sauce
Steamed Rice
Spinach
Fresh Fruit Tarts

Thursday, August 12

Vol-au-Vents Stuffed w/Mushroom Duxelle
Grilled Salmon w/White Butter Sauce
Parsley Rice
Vegetable of the Season
Garden Salad
Chocolate Cups w/Fresh Fruit

Wednesday, August 18

Pasta w/Pesto
Raspberry Chicken
Wild Rice
Vegetable of the Season
Tomato Salad
Fresh Fruit

Thursday, August 19

Melon w/Prosciutto
Beef Tenderloin w/Balsamic Vinegar
Vegetable of the Season
Romaine and Walnut Salad
Marzipan Cake w/Chocolate Sauce

Attention Bowlers

There currently are openings for individual bowlers and/or preformed teams for Fermilab Wednesday night mixed league. This is a sanctioned league that bowls on Wednesday night at 5:45 p.m. at Bowling Green Sports Center in West Chicago starting on Sept. 8, 1993. If you're interested please contact Mike Henes at FNALV::HENES or Terry O'Brien at FNAL::OBRIEN or x4851 or Dale Miller at FNAL::DALE x2188.

Ferminews
Announcements

UEC makes educating elected officials a priority

While the focus of the Fermilab Users Organization may be changing with time, its commitment to the researchers and students who "use" the Laboratory has remained constant.

Following the Annual Users Meeting and with UEC elections forthcoming, *Ferminews* would like to highlight the goals of the Users Organization and the Users Executive Committee, and describe what the UEC is and what it does for users.

The Users Organization was first organized in 1967 "to provide a forum for discussion of scientific and administrative matters relevant to the organization and construction of the Laboratory." Its membership was and still is open to anyone with a professional interest in the research program at Fermilab.

In their second general meeting back in 1967, the members selected the first people to serve on the Users Executive Committee. The UEC was formed to carry out organization business between general meetings and to represent the interests of the entire Fermilab high-energy-physics community. During Fermilab's construction, the UEC initially devoted a great deal of its time to addressing the physical needs of the users, with housing, safety and procedural concerns.

The UEC is still concerned with issues

such as user transportation, office space and computing services, but a major concern at the moment is the recent budgetary constraints that have become a central issue in the future of high-energy physics. This issue was addressed during a panel discussion, moderated by UEC Chairperson **David Cutts**, that concluded the Annual Users Meeting in June.

The committee has always been concerned with the public's perception of Fermilab research and the research community because the Lab is dependent upon public (government) funding. However, the UEC believes that the current need to educate and inform the public and elected officials about the importance of the Lab to the scientific community has never been greater.

The long-term goals of high-energy physics depend upon continuing the current traditions of basic research and strong technical advancement. In order for physicists to be prepared for the next generation of accelerators they must continue to learn and develop at today's accelerators, of which Fermilab's Tevatron is the premier example. As UEC member and secretary **George Ginther**, put it, "You must have a present in order to have a future."

Organizations like DOE and HEPAP rec-

ognize that Fermilab is one of the most important places in the high-energy physics present. The challenge is to get others to recognize it. The UEC wants to accomplish this through a program of education.

This education program has focused on getting users and Fermilab staff to recognize a need for "spreading the word." In addition to keeping in contact with the important federal agencies and departments, the UEC has recently been going directly to the physicists. "What we're doing is discussing with the Fermilab physics community the importance of telling people (elected officials) their concerns about support," said **Jeff Spalding**, another member of the UEC.

The hope is that with enough communication the necessity of the base physics programs will be understood. "Continued support of basic research is crucial to American leadership in science," said George.

The UEC will continue to work for the interests of Fermilab users and the high-energy-physics community as a whole. The terms of six members of the present committee are nearly up, and elections of new members will take place later this summer. As chairperson, Dave Cutts remains a third year to ensure a smooth transition for the new members.

Ph.D.s continued

1970s and 1980s. In preparation for the physics of tomorrow, graduate students here now experience some of the most advanced physics in the world.

In 1992-93 over 45 physicists received Ph.D.s from their home institutions for research done in experimental collaborations at Fermilab. There are, on average, between 400-500 graduate students and 80-100 post-doctorates working at Fermilab at any one time. In a field where active researchers number only a few thousand across the entire globe, this is a significant portion of the young scientists in the high-energy-physics community.

In an effort to recognize this significance, *Ferminews* will look at graduate student life and changes in their graduate experience over the years in our next issue.

Ferminews

Special Interests

1992-1993 High-Energy Physics Ph.D. Recipients					
Nural Akchurin	University of Iowa	E-704	Mark Baker	Mass. Inst. of Technology	E-665
Gavin Blackett	University of Tennessee	E-687	Valeria Bolognesi	University of Pisa	CDF
David S. Brown	Michigan State University	E-706	Janet Conrad	Harvard University	E-665
Raymond Culbertson	University of Illinois	E-687	Chris L. Darling	Yale University	E-769
Carlo Dallapiccola	University of Colorado	E-687	Maurice Foucher	Yale University	E-761
Tim Dubbs	University of Iowa	E-761	Detlev Hantke	Munich	E-665
Dave Gerdes	University of Chicago	CDF	John Hissong	Yale University	E-755
Terry Heuring	SUNY at Stony Brook	DØ	Rick Jesik	Univ. of Illinois at Chicago	E-672
B. Todd Huffman	Purdue University	CDF	Christopher J. Kennedy	University of Notre Dame	E-687
Louis Joseph Keeble	Texas A&M University	CDF	Jonathon Kotcher	New York University	DØ
Robert Kennedy	Univ. of Cal. San Diego	E-665	Mary Lauko	Rutgers University	E-632
Mathew S. Kowitz	University of Cal. Berkeley	E-789	Roberto Mahon	University Sao Paulo, Brazil	E-761
Rui Li	Indiana University	E-672	Greg Makoff	University of Chicago	E-731
Sandra Malvezzi	University of Milano	E-687	Richard Markeloff	University of Madison	CDF
Antonio Morelos-Pineda	CINVESTAV, Mexico	E-761	Steve Moulding	Brandeis University	CDF
Raymond J. Mountain	University of Notre Dame	E-687	Donna Naples	University of Maryland	E-683
Chau Nguyen	Rice University	E-704	Etsuko Niu	Toho University	E-653
Bo Pi	Michigan State University	DØ	Daniilo L. Puseljic	University of Notre Dame	E-687
Stephen F. Takach	Yale University	E-769	Yao Tan	Northwestern University	E-705
Rick Tesarek	Duke University	E-705	Steve Vejckic	Johns Hopkins University	CDF
Dharmika Weerasundara	University of Pittsburgh	E-706	Stephane Willocq	Tufts University	E-632
Manuel E. Zanabria	University of Notre Dame	E-687	Yinghao Zhan	University of Notre Dame	E-735
Chong Zhang	Carnegie-Mellon U.	E-653	Qian Zhu	Rice University	E-683
Accelerator Physics Program Ph.D. Recipient —			Todd Satogata	Northwestern University	

Pioneer Cemetery—a walk into history

Imagine it's a bright sunny day and the clock just struck 12 noon. You throw on your gym shoes and get ready for your daily noon-time walk (or bike or run or skate, as the case may be). But, you think to yourself, 'I'm not in the mood to take a spin around the Main Ring, those utility buildings just don't have the appeal they once did.' Well, this summer (if it's not raining) why not try something different and visit one of the many interesting sites located throughout the Fermilab property, like the Pioneer Cemetery, the Margaret Pearson Interpretive Trail or the antique farm machinery display. In our next few issues, *Ferminews* will highlight several of these places of interest in feature articles.

This issue we'll take a walk through the Pioneer Cemetery.

The Pioneer Cemetery is located on Batavia Road near Site 39. Eighteen early settlers to the area, including Thompson Mead, a general in the War of 1812, are buried in the tiny plot. The cemetery was once a part of General Mead's 29-acre farm. His wife Miriam and two children, Henrietta and Agnes J., each identified on their graves as "daughter of T & LS Mead," are also buried at



A view into Pioneer Cemetery. Only 18 markers remain in the historic plot, which at one time marked the final resting place of nearly 40 pioneers.

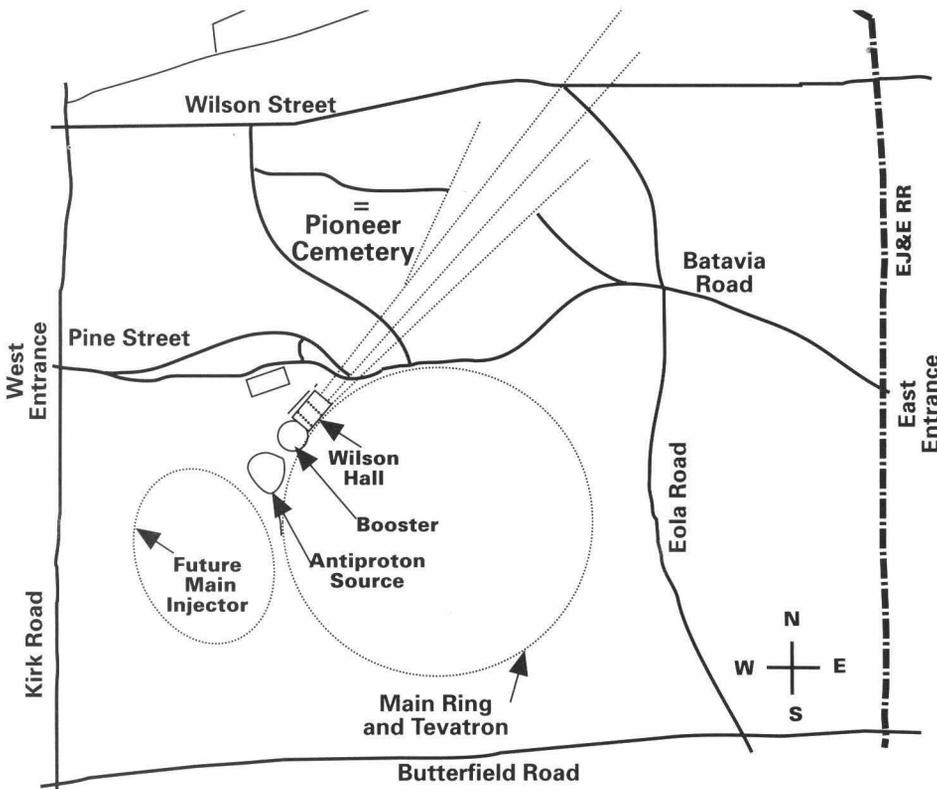
the cemetery. Other graves identifiable include that of George C. Hubbard, N.S. Howe, Maria Lindsay and Alfred Benedict. The other grave markers are not identifiable.

General Mead was born on February 26, 1774. He came to Batavia from New York in 1845 so that his son, Thompson Jr., who had settled in Batavia, could tend to the General's

ill health. Prior to coming to Illinois, General Mead served as Lieutenant Colonel of the 17th Regiment of the New York State Militia. Some time later he was given the title of general in the New York State Militia. When he settled, he purchased the 29 acre parcel of land. The General passed away on March 3, 1851. His wife died on October 1, 1850.

Newspaper reports prior to the establishment of Fermilab indicate that the cemetery was at one time completely abandoned. According to a report in *The Herald*, September 7, 1966, there were over 40 tombstones in the cemetery in 1958 when work was begun by the Kane County Council of the Veterans of Foreign Wars to clean it up. The earliest burial was found to be 1839, the latest recorded burial was in 1871. Reports indicate many of the headstones were missing. The cemetery at that time was known as the Black Hawk War Cemetery. Over the years, many of the tombstones were destroyed through vandalism and weather wear.

On September 24, 1972, however, the cemetery and General Mead's grave were rededicated by the VFW. "The feeling was that this soldier's grave should be preserved just as other soldiers' graves are preserved in military cemeteries throughout the United States," the VFW noted. Since that time, Fermilab has agreed to continue perpetual care of the cemetery.



New items in stockroom

- PG-1340-0685 Label, diskette, for laser printer, 9 labels/sheet, 50 sheets/pg., Avery P/N 5096, label 2 3/4 x 2 3/4, red.
- PG-340-0690 Label, diskette, for laser printer, 9 labels/sheet, 70 sheets/pg., Avery P/N 5196, label 2 3/4 x 2 3/4, plain white.
- PG-1340-0683 Label, diskette, for laser printer, 9-labels/sheet, 50 sheets/pg., Avery P/N 5896, label 2 3/4 x 2 3/4, blue.
- CN-1825-1400 Primer coating, all purpose, 12 oz. pressurized spray can, wood/metal Seymour Hi-Tech P/N 16-831, flammable, light gray, indoor/outdoor.
- EA-1105-0205 Battery, alkaline, Energizer, Rayovac or Duracell only; AAA.
- LB-1070-8047 Solder, 5-core rosin, water soluble, alloy 60% tin 40% lead, 1 lb., multicore P/N 00Z909, 21 gauge.
- CN-2150-1010 Fluid, cutting, aluminum, Steco Corp. Tap-Magic 4 oz. can.
- PR-2250-0416 Coveralls, disposable, white Tyvek, front zipper, w/elasticized sleeves/legs, shall conform with ANSI/ISEA 101-1985, 3 extra large.
- PR-2250-0419 Coveralls, disposable, white Tyvek, front zipper, w/elasticized sleeves/legs, shall conform with ANSI/ISEA 101-1985, 6 extra large.
- EA-2250-0590 Coat, laboratory, disposable, Tyvek material, w/ plastic snap closures, Lyons Safety P/N 541217 4 extra large.

Lectures continued

all the difference. The lecturers have traditionally been the best in their field—a number of Nobel prize winners have been among them over the years. The lecturers are all volunteers, a fact that Jim Davenport doesn't take for granted. "These people have all really been great in their support for the program," said Jim. "They give up their time to prepare lectures, their lunch time...their interaction with the students is very positive."

Jim should know something about positive interaction—he has been working with summer students at Fermilab for nearly 20 years. A professor at Virginia State Univer-

Ferminews
Classifieds/misc.

Classified ads

Vehicles

1963 GMC 14' Stepvan, rebuilt engine less than 1,000 mi. New battery & shocks, all alum. & S.S. body, double backdoor, radio. \$1500. Call Ann at x8444 or after 6 p.m. Dennis at 708-231-9518.

1975 Olds Cutlass Supreme, AC, 57k original miles. 3rd owner, light blue w/white vinyl roof. Exc. cond., asking \$3,499 o.b.o.

1973 Glastron 16ft. ski boat, 1978 Mercury 140 HP motor, stainless steel prop, new paint, trailer. Seats 6, ready to go. Comes w/ cover and some equipment. Asking \$3,995 o.b.o.

1985 Honda ATC 200X, like new. Asking \$800 o.b.o. Contact Denise at x2787.

1982 Camaro Berlinetta in excellent running condition w/ rebuilt engine and auto trans., new tires and new battery. Interior is in very good shape. Body has very little rust. Asking \$2,500 o.b.o. Call M. Atac at x3960. Come and test drive at 1011 S. Hale, Wheaton.

1985 Pontiac 6000, 4 door. Must see and drive to appreciate, asking \$2,200 o.b.o. Call Jim at x4889 or 815-436-2274.

Miscellaneous

IBM Selectric II typewriter, very good condition, \$120, call Bill at x4597 or FNAL::B94786.

2 snow tires, P225/75r15, exc. cond., less than 1,000 miles use. First reasonable offer. Contact Andy at x8880 or FNALD::ADUNN.

Ladies' Pendant, blue topaz w/ gold mounting; professionally assessed, \$150. Call Dallas at 312-528-6951.

sity and chairperson of the Department of Physics there, Jim has been spending his summers at Fermilab since 1974.

His efforts at organizing the most interesting and informative lectures for the summer students have mushroomed into a program appreciated by a much larger audience. The lectures "are a good opportunity to get an idea of what goes on in the Lab," said visiting

Super Single Waterbed w/6 drawer pedestal, headboard, heater, mattress and 3 sets of sheets \$250 o.b.o. **Roll-a-way double bed** w/1 set of sheets \$50 o.b.o. **Sew Sensor-electronic sewing machine**, 100 stitch \$300 o.b.o. Call Pam at x3015 or after 5 p.m. call 708-879-9356.

Ace/MTD lawn tractor. 8HP, 34" cut, good condition. Perfect for half acre or less. \$245 o.b.o. Call Jim at x4076.

Kitten looking for a home. 5 months old. Free to a good home. Must give away due to allergies. Call Laura at x4011 or 708-584-5781.

Real Estate

House for Sale: Beautiful raised ranch in Warrenville. 3 BR, LR, DR, FR and KIT. 1.5 BA, attached 2.5 garage. 10 min. from Lab, 3 min. to I-88. Mature trees and upper-level deck in large backyard. Move-in condition. \$122,500. Call Lorie at 708-393-1700.

House for Sale in Boulder Hill 3-4 bedroom tri-level, 1.5 bath, basement, family room, central air, 2 car garage, fenced yard w/ large shade trees, new water heater, new carpeting, Oswego schools, \$103,900. Call Steve at x4975 or 708-892-1981.

Condo for sale: Completely redecorated and painted. Beautiful condition. Unique river view in a quiet corner of Emerald Green about 1 mile east of Lab. \$88,500. Call Alvin at x4331 or 708-393-9646, or Janine at 708-232-3562.

Roommate wanted: Luxurious home in Aurora, 3 bd, 1 bth, full basement and more, 10 min. from Lab. Call Dorothy at 708-357-0733.

Librarian **Katie Wilson**, a regular at the lectures this year. "It is great to be able to hear people at the top of their field talk about what they do."

That seems to be the consensus on these lectures from everyone. They have become more than just a way to add to an intern's experience. They have become a part of Fermilab summers.