November 5, 1993 Vol. 11, No. 20

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#### FERMI NATIONAL ACCELERATOR LABORATORY

# **Fermilab Computing Division wins** Award for Excellence

viding high-performance computing for

to Federal agency organizations with a demonstrated fitted for Computing Division's efforts. record of excellence. Mike Isely, Donna Lamore, Tom Nash, Don Petravick, Vicky White and Matt Wicks represented the Computing Division staff at the awards banquet in Washington on October 20, 1993. Tom Nash accepted the award on behalf of the division. Also attending were Deputy Director Ken Stanfield, Associate Director Bruce Chrisman and URA President John Toll.

In his nomination, John Peoples cited Fermilab Computing Division's ongoing pioneering efforts in creating innovative and cost-effective high-performance parallel-computing systems to support the Lab's mission in HEP. An unusual feature of these developments is their suitability for use in areas of scientific investigation and business computing beyond their primary applications at Fermilab. For hardware, both the farms of RISC workstation processors and the 50 GigaFLOP peak ACPMAPS computer were identified. The software tools that support these systems were also included in the accomplishments as enabling "scientific users to turn their concepts into production parallel computing with relative ease." Also recognized were "other tools [that] integrate these systems into the operators' console of an around-the-clock, seven-day-a-week computer center." These all represent the combined and cooperative efforts and expertise of the many current and former members of the Computing Division.

Government Computing News established this award five years ago. This year marks the first time that it has been given to a national laboratory. This award specifically recognizes a group or unit's performance, rather than that of an individual, for sustained perfor-

The Fermilab Computing Division was Fermilab's Computing Division was recognized for selected as a winner in Government Com- the successful decade-long effort to bring highputing News Agency Awards for Excel- performance parallel computing to the demanding lence in the application of information production requirements of basic research in hightechnology to improve services deliv- energy physics. Fermilab pioneered in the two ery. The division was nominated for its widely accepted areas of parallel computing: work ongoing efforts in developing and pro- station clusters and massively parallel computers.

Fermilab's physics community. These awards are made mance over an extended period. Thus it is especially

As Tom Nash, head, Computing Division, noted in his letter of congratulations to the members of the division, "This couldn't be more true in our case...it was apparent that every group and every individual in the division has contributed in some important way to attaining the goal recognized by this award."

The selection criteria for making the award were: elimination of information processing deficiencies, support of new or changed program requirements, improvements in economy/efficiency, improvement in services delivery, and innovative application of information technology.

The wide-ranging potential for applications of the technologies throughout the arena of computationally large problems suggests the tremendous impact they hold. For example, climate, weather, seismic, epidemiological and sociological modeling, DNA analysis and design of materials all have very similar computational features and requirements to the grid-oriented QCD or Monte Carlo calculations done by the theorists on ACPMAPS using Canopy. More loosely-coupled parallel applications, such as inventory, large databases like those the IRS and security agencies handle, resource optimization and management such as product distribution and airline ticketing and crew scheduling, could be quite at home on farms. The adaptability of the Fermilab technologies is very attractive to computer users outside the field of HEP.

Government Computing News has a circulation of approximately 80,000, most of whom are federal, state and local government users of computing or telecommunications technology. Its purpose is to bring the capabilities of technology to its readers as it evolves.

# inside

SSC closes page 2

FEECAP Awards page 3

Mailroom's new direction page 4

In memoriam page 5

25-year Service **Awards** page 6

Library news page 8

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# The Bell Tolls for the SSC

Congress officially killed the Superconducting Super Collider on Thursday, October 21 bringing to a close the construction of what was to be the most powerful accelerator in the world. Under an agreement reached by House and Senate negotiators, the \$640 million requested for continued construction will be used to shut down the project. This decision came after the House rejected for the third time in the last 16 months any further spending on the project.

Following the decision, Secretary of Energy Hazel O'Leary made this statement: "The decision by Congress to terminate this project is a devastating blow to basic research and to the technological and economic benefits that always flow from that research. The SSC was expected to be the flagship for the world's high-energy-physics program, but Congress has now decided that the SSC will not be completed. The House made this decision based on the need to reduce the federal deficit, yet the outcome will be the loss of an important, long-term investment for the nation on fundamental science.

"I deeply regret the House decision, but we see no prospect of reversing it. Accordingly, we have begun the process of an orderly termination of this project. The department will work with the state of Texas as it moves to terminate the project. Over the next months we will study the feasibility of other uses for the assets of the project. The department will also work with the scientific community as we search for ways to ensure the continued progress of research in high-energy physics in the absence of the SSC. Throughout the project's history, the state of Texas has been an excellent, patient partner. To the employees at the SSC site, to the scientists around the nation and the world who have supported this project, and to the people of Texas, I extend my profound appreciation for your dedication, effort and vision. The department will work closely with the employees and other interested parties to mitigate the impacts of this termination and to assist with transition activities."

Commenting on long-term consequences of this decision, Associate Director **Bruce Chrisman** said that Fermilab is "looking very closely at what we can do to help maintain the vitality and viability of the U.S. high-energy-physics program."

### Letter to the editor

#### Loss Manifesto October 22, 1993

SSC is dead! It feels like a loss of a child full of promise, and potential, conceived and nurtured by the 3,000 of us, and now—dead. Society has spoken. We can not afford it, it is said. Perhaps. Twelve years old, brainchild of few, supported by many, the offspring of Fermilab is dead.

We have not communicated to our friends, to the society, to the man on the street what it is. It is a 53-mile tunnel in Waxahachie, Texas. It is an atom smasher, it is an expensive tool, big hole in the ground—it is said. It is not that! It is an idea! It is an idea, polished like a most precious jewel by the thousands. A culmination of the technical and spiritual projection of a generation of the brightest physicists.

I am not losing a job. I am 63 years old, ready to retire. What I am losing is a spiritual goal. Practicing this discipline for 40 years, I had a fortune to witness the fantastic evolution of our discipline, our knowledge and understanding. I have met, I have talked to the brightest, the most intelligent people on this Earth. From the two dozen Nobelians to the bright starry-eyed youngsters eager to tackle the profundity of this search for truth. In the last two decades an explosion has occurred right in front of my eyes. But it is not my selfish own idea, my own turf. It is the idea, it is the project for which 3,000 of my

colleagues, from the old to the very young, theorist and experimentalist, have reached a joint consensus to join forces, forgo much of the personal ambition, and collectively labor a decade or two to reach.

I have no grudges. Society has spoken. We are of the society and for the society. So be it. What fills me with sadness is that our neighbors, the physicists and scientists in our sister disciplines, have not understood us. They have not recognized, that unlike in their domains of research, executable by smaller groups of scientists on diverse subjects and the diverse disciplines, we have aggregated to the united thought, a goal, worth all of our individual ambitions, which we must pursue together. Three thousand highly trained, very clever minds have rationally, collectively decided to pursue this idea, this goal together. A charge of the noble Light Brigade!

We, particle physicists are not a political movement. We are not a religion. We are not a cult. But we pursue the same idea, the same goal, that the deepest truths of nature are knowable. None of us has ever gotten rich in this pursuit. Nobody has gotten very powerful, but we all had a vision in our minds that that truth, that knowledge is within our grasp. In our lifetime. Now we know it will not be.—*Drasko Jovanovic* 

# Fermilab receives Association of Energy Engineers awards

Fermilab, Director John Peoples and Venkat Kumar (FESS) received 1993 Energy Efficiency Awards from the Chicago Charter Chapter of the Association of Energy Engineers at the organization's 1993 awards presentation October 28. Fermilab received the 1993 Corporate Energy Management Award, while John received the Environmental Professional Award and Venkat was given the 1993 Energy Engineer Award.

AEE is a professional organization of over 8,000 energy engineers and energy-Continued on page 4



Venkat Kumar (I) accepts his AEE award from Norm Hansen of DOE and David W. Anderson of AEE (r).

# **Employees rewarded for energy savings**

Four employees were recently given cash awards for their energy-conservation suggestions made as part of the Fermilab Employee Energy Conservation Awards Program (FEECAP).

The awards were presented to the energy-conscious employees at a luncheon at Chez Leon October 22. Those recognized for their keen observation and careful thought were **Denis Bowron** (FESS), **Brian Kane** (FESS), **Jack Mills** (FESS) and **Pete Simon** (RD).

Denis received cash awards of \$129 and \$1,345 for two energy-conservation suggestions. His first suggestion will allow for the computer rooms in experimental area buildings to be dehumidified without using hot water reheat. This will enable the building's boilers to be shut down during non-winter months. Denis' suggestion will conserve 4,147 therms a year of natural gas energy and 37.95 MWH of electrical energy per year. This will save the Laboratory \$1,290 a year in energy costs. His second suggestion, to use condenser cooling water for free cooling of computer rooms during cold weather at various site locations, will save the Laboratory \$16,904 and will conserve 489.34 MWH of electrical energy per year. Denis has also been very instrumental in phasing out the use of chlorofluorocarbons throughout the Lab.

Brian was awarded \$239 for his suggestion to install turbulators in existing gas-fired equipment to improve the mixing of air and fuel, and thus improve combustion and thermal efficiency. His suggestion will conserve 9,093 therms of natural gas a year and result in an annual net cost savings to the Laboratory of \$2,385.

Jack received a cash award of \$817 for suggesting a new way to operate the Wilson Hall chilled water system without having to run a booster pumping arrangement. This will result in an annual cost savings of \$8,166 and conserve 163.37 MWH of electrical energy a year.

Pete was awarded \$323 for his suggestion to install timers on the lighting controls at the DØ Assembly Building. These controls will automatically turn down the lights at night and on off-duty hours. This sugges-



FEECAP award recipients I to r: Pete Simon, Brian Kane, award presenter Dennis Theriot, Denis Bowron, award presenter John Peoples and Jack Mills.

tion will conserve 77.69 MWH of electrical energy per year and will save the Laboratory \$3,223 a year.

Also noted for an energy conservation suggestion was Director **John Peoples.** His suggestion for shutdown of several main switchyard transformers during extended periods of no load will save the Laboratory \$15,750 a year and conserve 315 MWH of electrical energy per year. He is ineligible for a cash award due to the restrictions of the FPECAP.

At the award luncheon, John said he was "very pleased" to be presenting the energy awards to the recipients. "The success of the awards can be measured by the fact that Fermilab's power bill has gone down," said John. "This is important and it keeps people thinking of how to save power. We all need to keep trying to save electricity so we can have more to put into physics." John added that these suggestions were good examples of ideas that were small and sensible, but cumulatively can add up to a lot of money saved.

FEECAP was established to provide the means for an employee to submit constructive energy-conservation ideas in any area of the Laboratory's operations. Suggestions may pertain to the individual's work area or to the work of other employees, but must be consistent with the mission and purpose of the Laboratory.

All employees except the director, deputy and associate directors, division and section heads, FEECAP committee members and the energy management coordinators are eligible to receive awards.

Suggestions are evaluated by individuals with expertise in the area involved in the suggestion. The recommendations of the evaluators are then reviewed by the FEECAP committee and a decision is made on whether or not to adopt the suggestion. The committee members are Associate Director Dennis Theriot, Jeff Irwin (BSS), Tom Jurgens (AD), Steve Krstulovich (FESS), Venkat Kumar (FESS), Jack Mills (FESS), Stanley Orr (RD), Joe Otavka (TSS), Jim Priest (ES&H) and Age Visser (RD). (Jack Mills was eligible for this award because his suggestion was made before he was a member of the committee.)

Since the inception of the program in 1986, over 140 suggestions have been received. Adopted suggestions may or may not result in a cash award. To be eligible for the minimum cash award of \$100, the suggestion must result in a first year net cost savings of \$250 or more. The award amount increases in steps with increased energy savings up to a maximum amount of \$5,000.

For further details on the program and for a copy of a suggestion form, please contact Venkat Kumar at x8503.

# Mailroom under new management, new direction

Neither rain, nor sleet, nor snow, nor crowded elevators will keep the Mailroom staff from their appointed rounds. Carol Weissert-Jagger (BSS/SS), named recently as Mailroom supervisor, is now working under this adage, much like her predecessor Ron Haynes, to ensure that the mail does go through, despite such obstacles.

Since taking over the Mailroom, Carol and the Mailroom staff of Group Leader Vanetta Readus, Christine Breyne, Jeannette Burns, Frank Jackson and Leighann Nurczyk have been working to improve Fermilab's mail service. Currently, they are trying to reduce the amount of unwanted mail (advertisements, catalogs, junk mail, etc.) they receive and process. To do this, the staff is asking employees to review the outside mail they currently receive. If you would like to have your name removed from the mailing lists for this type of mail, you can place your unwanted correspondence in an • interoffice envelope and send it to Mail Station 1000. The Mailroom will then attempt to have your name removed from these lists.

Mail Station 1000 was recently established as the Mailroom "hotline." Any suggestions, ideas or complaints about Mailroom • service should be forwarded there.

In an effort to increase service and decrease costs, other modes of mail service are now being used. For example, using express mail services, which can be a more economical way than postal service to send printed

## **AEE** continued

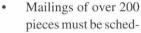
related professionals world wide working to promote technical development in energyrelated fields and energy conservation. The organization holds training seminars for its members and certification programs recognized in the industry.

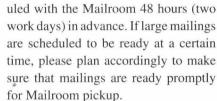
The award recipients were chosen based on nominations from members of the Chicago Chapter.

Venkat said he was honored to be considered for the award. "It makes me feel good and makes me believe in what I am doing to convey the message of energy efficiency and conservation."

matter, is being encouraged. If you are interested, the Mailroom staff can advise you of how to send material this way.

To increase the efficiency of their operations and give their customers the same fine service that they have come to expect, the Mailroom has also established several new procedures:





- Personal packages less than 70 pounds may be shipped through the Mailroom but will be limited to three packages per employee. Any packages beyond this must be taken by the employee to a local post office.
- All outgoing personal mail must have proper postage affixed to it. Mailroom personnel will no longer accept personal mail with money taped to the outside of the envelope, nor will books of stamps be delivered directly to employees by Mailroom personnel.



Mailroom personnel Chris Breyne and Frank Jackson

As a courtesy, please advise the Mailroom of any changes or transfers of employees and their new mail stations. Please make sure to routinely include your mail station number on all correspondence addressed to you at the Laboratory.

The Mailroom is located on the west side of the ground floor of Wilson Hall and is open Monday through Friday from 1 p.m. to 4 p.m. for the purchase of stamps and other mail services. Any questions or suggestion concerning mail service can be referred to Carol at x3470. Mailroom personnel are also available at x3210 to answer any mail delivery questions.

With cooperation from everyone at the Laboratory, the mail can be delivered more efficiently—come any crowded elevator or come any Illinois winter.

## **DOE Core Values**

Expanded Value number 2: People are our most important resource.

- We value the needs of individuals.
- We are committed to improving the knowledge, skills and abilities of our employees by providing opportunities for professional development and achievement.
- We are committed to providing a safe and healthy workplace for all our

employees.

- We value the richness, experience and imaginative ideas contributed by a diverse workforce.
- We share credit with all contributors.
- We value listening as an essential tool in learning from others.
- Employees are forthright in sharing their experiences so that we can learn from each other.

# **In Memoriam**

### **Stan Chaplis**

Stan Chaplis, a long-time employee in Technical Support/ Machine Shop, passed away October 8. Stan began working at the Laboratory on October 1, 1979 in the Ma-



chine Shop, where he worked as an instrument machinist.

Charles Matthews (TS) said Stan was a "competant and dedicated machinist who took pride in his accomplishments. He had a magnetic personality. Whether he was talking about his cars, guns or places he had traveled, he always drew a crowd. Stan will be missed by all."

A resident of South Elgin, he is survived by his wife, Sue, and a son and daughter.

### **Annie Gilley**



Annie Gilley of TS/S/C Magnet Production passed away October 24. Annie had been a technician in the Magnet Facility since she joined the

Laboratory in April 1981. She was heavily involved with the winding and assembly of both TeV dipole and quadrupole magnets.

Glenn Smith (TS/Magnet Production) said, "Annie touched the hearts of all her fellow employees and anyone who had the pleasure of knowing her. She will be dearly missed not only for the quality of work she did, but also the quality of life she brought with her cheerful ways and sense of humor."

A resident of Aurora, she is survived by her daughter Debi and son Jimmy, her mother, six brothers and three sisters.

# Recycling program saving money, environment

The following is the 5th installment in a series of articles on waste-minimization efforts at the Laboratory. In this article we examine the Business Services Section recycling program and the effect the program has had on the environment and the budget.

The Fermilab paper recycling program, which was established nearly three years ago by Business Services, was one of the first recycling programs adopted at the Laboratory and is now one of the strongest. Since then, however, improvements have been made to the program and more recyclable commodities added. Laser printer cartridges are one of the more recent additions to the recycling program. Both EP and EPS type toner cartridges are being sold for recycling. In addition to improvements being made to the scrap metal recycling contract, the paper recycling program has grown to include cardboard, bubble wrap and packing "popcorn," along with the current white office paper, computer paper, newspapers and magazines.

Bob Huite, contract administrator for the recycling program, said the recycling contracts have done much toward improving the environment and saving the Laboratory money in waste removal. According to Bob, in the last scrap metal recycling sales agreement, the Laboratory has sold nearly 295,500 lbs. of miscellaneous sheet iron, steel iron, steel and copper to a scrap metal recycler since the beginning of September. By selling the commodities to a scrap recycler, the Laboratory does not have to pay to have the material disposed of. Instead, the Laboratory earns money. "One of the things we want to do in our recycling program with the paper, toner or whatever we offer for sale," said Bob, "is not to pay for its removal. It is not costing us (to recycle). We only pay for our refuse." Currently, Bob is trying to find a better mechanism to sell the scrap metal and obtain the best price for those commodities. The scrap is now sold by spot bid approximately every two to three months, or once the Railhead storage area where the scrap is collected on site is at capacity. Scrap yard operators will come to the Laboratory, examine the material and then bid for it. The



Pat LaVallie (RD) prepares a laser printer toner cartridge for recycling.

material is then paid for by the highest bidder and removed from site. Along with metals, other items sold as scrap include scrap electronic components and aluminum.

In addition, to ensure that Fermilab is doing all it can to protect the environment, all scrap yards that Fermilab sells to are inspected by the ES&H Section to assure that the yards have met all applicable Environmental Protection Agency standards.

Since the recycling contracts have been established (the first was scrap metal in 1988), Bob said there has been a definite decrease in dumpster waste generated. With the paper recycling alone, since May 1993 Fermilab saved nearly 38,000 lbs. of paper from ending up in site dumpsters. This, in turn, has saved 324 trees from being destroyed and diverted 95 uncompacted cubic yards of landfill, according to the president of Resource Transportation, Ltd., Fermilab's paper recycler.

Bob said that the Contracts Department is not limited to the current commodities they process for recycling, and encourage suggestions for other recyclables. "If someone has a requirement or an idea (to recycle a material) we will be open minded and take a look at it," said Bob.

Employees with recycling suggestions should contact the Contracts Department at x3387.

# Reflections on life at the Lab

On October 1, John Peoples presented the Lab's first 25-year service awards to 10 dedicated employees whose service helped build the very fabric of our Laboratory. Three of these employees have shared their recollections of the "early days" and life at the Lab.

"'If there aren't some big sparks when you first turn on, I'll know you've overdesigned the system!' That was Bob Wilson, cheering on the RF team in the Village in 1969. We did oblige him with the Booster and Main Ring systems. It was deja vu all over again with Tevatron RF, then the Linac Upgrade. As for me, I would do it again—the best part has been the can-do, team spirit of Fermilab people."—Quentin Kerns

"Working at Fermilab has been an exciting and educational experience for me. There is always so much going on: from people trying to figure out how to design the world's largest accelerator to improving it in many stages into the great Laboratory we have today. What a great time we have had! There were so few of us at the start that we banded together for support, pitched in and helped each other out in any way we could. That spirit is still here. A group of people who are all dedicated to one purpose, making Fermilab the world's best physics laboratory.

I believe the Lab gives people lots of room to grow and learn, to think about problems and try new ways of getting things accomplished. When Dr. Wilson started the Lab he instilled this principle into everyone and I believe this is why we have been so successful.

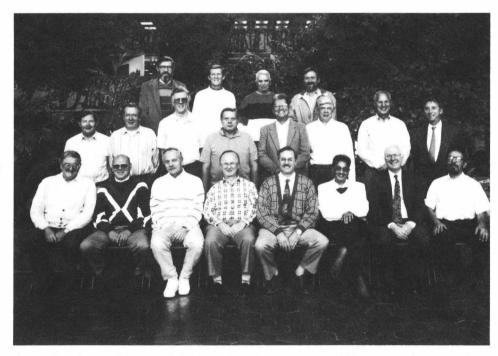
I am proud to say that I have part of this Lab from the beginning."—Barbara Kristen

"My strongest memory is December 24, 1967, when all of the office staff (including Dr. Wilson) were running around a table on the 10th floor of Executive Plaza in Oak Brook assembling the "Design Report" so that it would be in the hands of the AEC before the close of business on that day."

—Jean Lemke



Director John Peoples presented 25-year service awards to 10 Fermilab employees at a luncheon held October 1 at Chez Leon. These employees began working here in 1967 and reached their 25 years of service in 1992. The recipients were: (Row 1, I to r) Reid Rihel, Jean Lemke, Glenn Lee, Barb Kristen and Quentin Kerns. (Row 2, I to r) John Peoples, Chuck Marofske, Lincoln Read, Angela Gonzales and Jan Wildenradt. Not pictured: Carolyn Hines.



At the luncheon, Director John Peoples also presented 25-year service awards to 24 Fermilab employees who reached their 25-year anniversary this year. The recipients were: (Row 1, I to r) Harold Miller, Jim Hogan, Bernard Bowker, John Pollock, John Satti, Kathleen Cooper, Dick Auskalnis and Ernest Malamud. (Row 2, I to r) Raymond Hren, Stanley Tawzer, Harland Gerzevske, Don Tokarz, Joe Otavka, John Dinkel, Leon Beverly and John Peoples. (Row 3, I to r) James Wendt, Ron Smith, Dick Nelson and Bud Koecher. Not pictured: Elton Anderson, Mack Hankerson, Bert Quinn, Velvie Smith and Ryuji Yamada.

# Fermilab Arts Series presents

# Two One-Act Operas, performed by Indiana University Chamber Opera

Indiana University's School of Music has long been internationally recognized as a superb training ground for music, particularly opera. Since it's founding in 1987, the Chamber Opera has emerged as one of the Midwest's outstanding musical resources, introducing a whole new audience to opera. This talented cast, selected from the best singers of the I.U. School of Music, will perform two one-act operas on November 13 at 8 p.m. in Fermilab's Ramsey Auditorium.

Gian-Carlo Menotti's *The Old Maid and the Thief* was originally conceived as a radio opera, and premiered in 1939 by the National Broadcast Company. Subtitled *A Grotesque Opera*, it remains one of Menotti's most dramatically powerful and cohesive works. A mysterious man unexpectedly interrupts the lives of Miss Todd, a spinster, and her

### Nalrec news

It's time to raffle off 100 turkeys at Nalrec's annual Thanksgiving barn party. This is one event you won't want to miss. The Caribbean Turkey Night will be held on Friday, November 19 from 5:30 to 10 p.m. at the Village Barn. For a new twist on the traditional Thanksgiving party, there will be live Reggae music from Jamaica band T Jaxx Amalachi and Caribbean jerk chicken, Caribbean rice and tropical salad for dinner at \$2.50 a plate. For raffle tickets you can contact your Nalrec representative or purchase these tickets at the front desk in Wilson Hall.

Coming in December there will be a special party in the Atrium in Wilson Hall for the Christmas celebration. It will be on Thursday, December 23 starting at 5 p.m. Also, in December, if you have children, you will want to mark your calendar for Sunday, December 12 when Santa and Mrs. Claus visit. What a great way to spend a Sunday afternoon. Keep an eye out for the next *Ferminews* when more hints are revealed about upcoming events.

maid Laetitia. Mesmerized by the mere presence of the stranger, the two women create an ever expanding lie to explain his presence to the community. As they learn the truth about the stranger, the lie collapses violently.

In 1856 Offenbach offered a prize for a one act opera written to the libretto of *Le Docteur Miracle* by Leon Battu and Ledovic Halevy. Georges Bizet split the prize with Charles Lecocq and the works were first performed on succeeding evenings, with Bizet's debuting on April 9, 1857. The opera is set in 19th century Padua and follows the antics of Silvio, a young military officer, as he dons several disguises in his attempts to win the hand of Laurette, the daughter of an anti-military official.

Both operas are beautifully costumed, fully staged and performed in English with piano accompaniment.

Join us as for the Indiana University Chamber Opera. Tickets are \$8. For further information or telephone reservations, call xARTS.

# High altitude photos available

Aero Metric Engineering, Inc. has recently made a high-altitude aerial photographic flight of the site. Enlargements are now available through Visual Media Services in two sizes 30" x 30" for \$80 or 40" x 40" for \$120. Each blowup will be mounted on 1/4" gator foam. Please call VMS at x3349 if you wish to order this aerial view. This year's flight produced an exceptionally crisp and detailed negative. By ordering in larger quantities these photographs are available for about half the price.

## Movie schedule

The Fermilab International Film Society presents movies at 8 p.m. Fridays in Ramsey Auditorium. Admission is \$3 for adults, \$.50 for children 12 and under.

November 19: *Camille* Greta Garbo is radiant as Dumas' "Dame aux camelias," a Parisian woman of no repute, who falls in love with a man who does not know her history. George Cukor, dir. U.S., 1937 (108 min.)

## **Chez Leon**

Lunches are served Wednesdays at 12:30 p.m. for \$13. Dinners are served Thursday evenings at 7 p.m. for \$23.50. For reservations call x4512.

#### Wednesday, November 10

Cheesy clam chowder, grilled game hens w/raspberry marinade, vegetable of the season, frozen lemon souffle

#### Thursday, November 11

Sancocho, pimento and caper salsa, rice and black beans, Chayote, banana bourbon cake w/bourbon creme anglais

#### Wednesday, November 17

Cabbage cream soup w/roquefort butter, rouladen, spaetzle, vegetable of the season, cucumber and dill salad, Danish apple cake

#### Thursday, November 18

Vol-au Vents w/mushroom duxuelle, steamed Maine lobster w/lemon mousseline, vegetable of the season, white chocolate mousse w/Frangelico

#### Wednesday, November 24

Cheese fondue, mixed vegetable salad, poached pear w/bittersweet chocolate

Thursday, November 25 Closed

# Wellness Committee classes cancelled

Due to lack of interest, Fermilab's Wellness Works Committee will not be presenting smoking cessation and weight loss classes, as announced in the October 1 issue of *Ferminews*. **Mae Strobel** of the Wellness Committee suggests that those who are interested in attending such classes should contact their local HMO or community hospital.

# Flee the flu bug

Want to sty healthy this winter? Try building your immune system with a flu vaccination on November 10 in the Medical Office. Flu vaccines, as well as tetanus boosters, will be given to employees by the Visiting Nurse Association from 11 a.m. to 1 p.m. The cost is \$8 for flu shots and \$5 for tetanus boosters. Payment is to be made directly to the VNA. Call Medical at x3232 to reserve your time.

# New in the Library

#### **Books**

- Conceptual Foundations of Modern Particle Physics. Robert Marshak. World Sci., 1993. QC793.2 M375 1993, locked cases.
- Perspectives on Higgs Physics. Ed.: Gordon Kane. World Sci., 1993. QC793.5.B62 P47 1993, locked cases.
- Superconductivity and its applications. Eds.: H.S. Kwok, D.T. Shaw, M.J. Naughton. AIP, 1993. QC611.9 S855 1992, main.
- Fiber Optic Communications. J.C. Palais.
  3rd ed. Prentice Hall, 1992. TK5103.59 P34
  1992. locked cases.
- Atom: Journey Across the Subatomic Cosmos. Isaac Asimov. Dutton, 1991. QC173 A778 1991. main.
- The ZEUS Detector: Status Report 1993.
   DESY, 1993. QC789.D4 Z59 1993 CESR B
   Factory. Cornell U., 1993. QC793.5.M422
   C37 1993. locked cases.

### **Transparencies**

- Workshop on Perspectives on High Energy Strong Interaction Physics at Hadron Facilities, Aug. 4-11, 1993, Fermilab.
- 16th International Symposium on Lepton-Photon Interactions, Cornell U., August 10-15, 1993.
- Heavy Quarks at Fixed Target: 2-day Frascati Workshop, May 31st June 2nd, 1993, all in Reference.

#### **Periodicals**

• Internet World. Westport CT: Meckler, 1993. In Current Periodicals.

# E-mailing search results

The PRINT command in "Search Mode" now allows you to E-mail your search results to your E-mail Internet address. From within Search Mode, FIND your desired material, issue the PRINT command and follow the directions on the screen.

## Classified ads

#### **Vehicles**

**1989 Honda Accord DX**, white, PS, PB, AC, Pioneer AM/FM cassette radio. Recently tuned. Excellent condition, \$8,200 o.b.o. Call Marge at x3800.

**1984 GMC S-15 pickup** w/ extended cab, 6 cylinder, auto. w/OD, P.S., P.B., A/C, bedliner & cap, \$2,500. Call Ron at x4663 or 708-466-1823 evenings.

**1983 Mazda RX-7**, beautiful sports car, 158K, AC, AM/FM/cassettee, removable roof, no rust, \$2,000. Call x2394.

#### Miscellaneous

2 **tickets** for Sat. Nov. 20, 1993 performance of the NIU Jazz Ensemble at North Central College, Naperville, 8 p.m. Front row seats, \$15/ticket. Call 708-979-8194 (8 a.m.-5 p.m.), 708-859-3790 after 5 p.m.

Size 12 unisex **roller blades**, California Probrand, make an offer. Call Denise at x2787.

AT&T 5510 cordless phone w/speaker-phone feature, like new, \$100 o.b.o.; Radio Shack cordless phone, still in box, never opened, \$100. Call Dan at x3916 (MWF), 815-753-6484 (TuTh), 708-445-8022 (evenings).

## **Preprints**

To get a list of the most recent preprints, use the catalog's "Search Mode." Search by the latest Tuesday, e.g.: FIND PREPRINT AND CATALOGED 2-NOV-1993.

# Missing from the Library

- Peterson's Guide to Graduate Programs in Engineering and Applied Science, 1993 edition.
- Peterson's Guide to Four-Year Colleges, 1994 edition.

These are high-use reference books. Please return.

**12-string Giannini guitar,** \$100; Dynax (Brother) DX-15 **daisywheel printer**, \$25. Call Anne at 708-232-8816.

**Snapper lawn tractor** w/grass bagger attachment. Call TJ at x4777.

**BMX race bikes**, Elf cruiser and spare wheels, \$200; Badd **frame & fork**, \$80. Call Greg at x3011.

Men's leather jacket, size 42, \$75; Men's parka, Thinsulate insulation, size large, \$50. Both L.L. Bean, excellent condition. Call Jim at x4293 or 708-416-0548.

4 Goodyear Invicta GL tires, almost new condition, size P195-75-R14. Rated 50K mile treadlife. Goodyear's best selling all season radial, \$35/tire (Tires sell for \$60 new). Call Joy at x8209 days/eves.

#### Real estate

3 bedroom **brick ranch**, located near schools, bus & tollway. 1.5 car garage, new C/A, finished basement, eat-in kitchen, large yard, immed. occupancy, \$89,860. Call Bonnie at 708-844-2100 x113.

2 bedroom corner unit **2 story attached home**, located 5 miles from Lab. 1.5 baths, attached garage, FP, SGD, DW, AC and new carpeting + many extras. Call 708-851-7203.

# Harper's Index

Average amount an American would be willing to pay to see live dinosaurs: \$15.

Percentage of Americans who say they would not be willing to pay anything at all: 55.

# New in the Stockroom

1246-4827 Spring release sleeve, replacement, for RX20-24V5 Burndy Tools, Burndy P/N RX20-24P-23.