



CHANGING OF THE GUARD: PHYSICS DEPARTMENT

Jeffrey Appel has been named

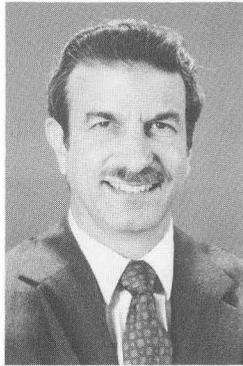
new Head of the Physics Department, Research Division, replacing **Dan Green**.

This appointment became effective April 1, 1990.

Dan will now be devoting his time to working on a solenoidal detector which will be Fermilab's contribution to an experiment to be conducted at SSC. Dan had been Head of the Physics Department since 1986.

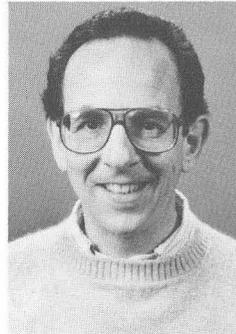
Jeff began his career at Fermilab in 1975, after receiving his Ph.D in Elementary Particle Physics from Harvard University in 1969. Since his arrival at Fermilab, Jeff has continued an active research career, concentrating on the symmetries of the interactions among elementary particles and searches for new particles. He was a member of the team of scientists who discovered the Upsilon particle at Fermilab.

As a staff physicist at Fermilab, Jeff has been involved in a variety of assignments in addition to his research. He has had extensive experience in computing, accelerator, cryogenic and electronic technologies. Before joining Fermilab, Jeff was on the faculty of Columbia University.



Stephen Pordes has been appointed Deputy Head of the Physics Department, replacing **Chuck Brown**

who will be devoting more time to his experiment, E-789 and taking on various other administrative duties within the Lab. Stephen, who came to Fermilab via London, England, received his Ph.D from Harvard University. He first came to Fermilab in 1975 as an experimenter.

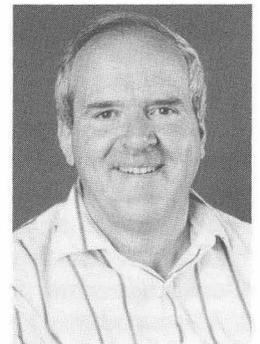


From 1976 until 1980, Stephen worked at CERN ISR on the CCOR experiment. He then returned to Fermilab, where he was involved in experiments E-610, E-673 and E-711. His present experiments are E-760 and E-774.

Since becoming a member of the Fermilab staff, Stephen has held the following administrative positions: Deputy Head of the Mechanical Group of the Neutrino Department; Deputy Head of the Facilities Support Department in E.A.D.; Head of the Facilities Support Department and Deputy Head of the Research Facilities Department. His new appointment was effective April 1.

Hans Jöstlein will become the new Associate Head of the Physics Department effective May 1.

Before taking this post, Hans was with the Accelerator Division. He has been with that Division since he began his career at Fermilab in 1979. During his eleven years in the Accelerator Division, he was involved in the design of the Tevatron Vacuum System and experiments E-605 and DØ.



Hans was born in Munich, Germany. He received his Ph.D from Ludwigs Maximilian Universitat Munchen in 1969. As a Postdoctoral Fellow at the University of Munich, Hans worked on Meson resonances at CERN. From 1970-1973, Hans held the position of Research Associate at the University of Rochester, N.Y., where he worked on the Muon-Proton Scattering Experiment at BNL. From 1973 until joining the Fermilab staff, Hans was Assistant Professor, SUNY at Stony Brook. There he was involved in the Pisa-Stony Brook Experiment at ISR and E-288 and E-605 at Fermilab.

The deadline for the Friday, June 1 issue of *FermiNews* is Wednesday, May 23. Send your article submissions or ideas to the Publications Office, M S 107 or call x3278.

EARTH DAY/ARBOR DAY CELEBRATION:

FERMILAB ENVIRONMENTAL ACTIVITIES

- **Restored Prairie** started in 1974 as a result of a suggestion from the Nature Conservancy. The original goal was to restore native tallgrass prairie inside the main ring accelerator. Through work done largely by volunteers, the Lab now has 380 acres planted inside the ring and over 250 acres at selected areas outside of the ring. It is believed to be one of the largest, contiguous tallgrass prairies in the world. Further plantings and enrichment continues.

- In addition to restoring the prairie, the **Prairie Committee** has prepared a 10-year plan which makes proposals on our woodlands, wetlands, various trails and paths, environmental test areas and large-scale tree plantings. They sponsor the Margaret Pearson Interpretive Trail open to the public, conduct tours and interact with other environmental organizations.

- Last June, Fermilab was designated as a **National Environmental Research Park**. Under this program, the Lab invites qualified investigators to conduct on-site research on environmental issues. Currently, eleven research projects are being pursued. Fermilab is participating with six other DOE Research Parks, who are preparing to take on studies of global significance.

Friday, April 27, 1990

Over 400 Lab employees, users and their families donned their work gloves, grabbed their shovels and really "dug-in" to Fermilab's Earth Day/Arbor Day celebration. They planted 250 trees around the Feynman Computer Center and along the beam berm between roads A1 and A2.



The opening activities began with a welcome by **John Paulk**, Earth Day/Arbor Day Committee Chairman. In his brief remarks, John thanked the committee members who included **Stanka Jovanovic**, Education Office; **Barbara Lach**, Public Information; **Rudy Dorner**, Emergency Services; **Fred Ullrich**, Media Services; **Roy Rubinstein**, Directorate and **Finley Markley**, Prairie Committee.

John Peoples, Director, appointed the above mentioned committee. He asked them to make recommendations on what the Lab could do to celebrate Earth Day. With that charge, the committee did an excellent job planning a celebration that helped raise our level of consciousness about the environment, helped preserve the beauty of the Lab and was fun, too! John participated in the opening activities by making a brief statement. His remarks reiterated his concern for the protection of the environment. Later, he and **Dennis Theriot**, Associate Director, joined the celebration and planted a tree.



HISTORY OF ARBOR DAY

Julius S. Morton, founder of the Morton Arboretum, proposed the celebration of Arbor Day. It was observed for the first time in 1872. The purpose of Arbor Day is to assist the foresting or reforesting of scantily wooded areas or to beautify towns. Arbor Day is now observed in all states, Washington D.C., Guam and Puerto Rico.

A TREE-MENDOUS SUCCESS

Mike Becker, Roads and Grounds, was responsible for the landscape design. He gave the enthusiastic work crew final instructions before the planting and the related festivities began. The Roads and Grounds Crew, under the direction of **Bob Hall** and **Bob Lootins**, played a major role in the success of this event. They were responsible for harvesting trees from the on-site nursery, procuring additional trees, planning the landscape design and digging many of the holes for planting. The crew later returned to mulch and water the trees and will tend them until they are established.

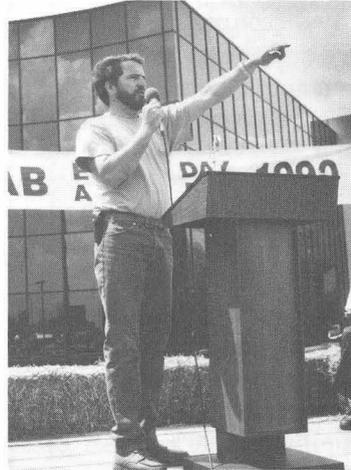


Unfortunately for some planters, such as **Cyndi Rathbun**, Public Information, the pre-dug holes weren't quite deep enough. Cyndi found she really had to "get into her work" in order to complete her project.

Although the work was hard, spirits were high and the rewards were many. The rewards included: a sense of pride and accomplishment, a feeling of camaraderie with fellow employees and a hardy lunch prepared and served by NALREC. In keeping with the theme and their commitment to ecology, NALWO provided biodegradable table service and special containers for aluminum cans which they later recycled. NALWO also set-up a booth in the Wilson Hall Atrium where they disseminated information about preserving the ecology and recycling.



When the planting was done, all participants were given a white spire birch tree to plant at home. Members of the Prairie Committee, such as **Julie Sabo** were on hand to help with the selection of the trees, to give planting tips and to distribute the *DOE National Environmental Research Park* brochure.



FERMILAB ENVIRONMENTAL ACTIVITIES

- For the last four years, Fermilab has had an **Environmental Advisory Committee**. The committee is comprised of six noted scientists from various universities across the country. They specialize in ecology branches of botany, zoology and biology. They meet here periodically to review proposed environmental research projects and offer advice on our environmental programs.

- Fermilab's Education Office includes topics on ecology and environment in the science and **education programs** which it conducts for the benefit of students and teachers.

- Since 1968, it is estimated that Fermilab has **planted over 35,000 trees**.

- The Laboratory is in the process of hiring a **Ph.D. ecologist**. That person will become the resident expert on environmental issues and be actively involved with our Environmental Research Park program and the Laboratory's compliance with the National Environmental Policy Act.

- The Business Office has provided NALWO an enlarged and more convenient **recycling center** in the Village.

-- John Paulk

Activities Office

TRAVEL DISCOUNTS

The Activities Office offers many discounts that are available to all employees, users and their families. These discounts include vacation spots, hotels and amusement parks. Listed below are just a few of the discounts we offer:

The Wisconsin Dells 20% Saving Club offers special savings to the following: Tommy Bartlett Ski, Sky & Stage Show, Robot World & Exploratory, Greyhound Racing, Riverview Park & Waterworld, Noah's Ark, Lower Dells Boat Tours and Pirates' Cove Mini Golf. With lodging and camping facilities to accommodate over 30,000 visitors, a wide variety of restaurants, convenient shopping and 20% savings, why wait?

Taking a trip to Disneyland or Disney World? We can help make that trip less costly, with discounts for hotel accommodations (10-30% off), rental cars from Hertz and National, tickets and passports to Disneyland and Disney World Magic Kingdom, Epcot Center, River Country and Discovery Island. We also have discounts for Wet 'n Wild Water Park, Sea World and Universal Studios. Order forms are available to receive free booklets filled with coupons to area restaurants, hotels and other tourist sites. So stop on by and take a look at our discount rack, located in the Activities Office, WH1E.

CANOES

Canoes may be rented through the Recreation Office at a cost of \$5 per day, per canoe. Prior reservations and payment must be made. Life jackets and car-top carriers are also available. For more information or to make your reservation, call Jean x3126.

BACK BY POPULAR DEMAND

"Where were the Harper's Quotables? They were always the best part of the entire *FermiNews*," stated **Jim Walker**, Instrument Repairs. He expressed his disappointment in a Monday morning conversation with the editor, after receiving the May 4 issue of *FermiNews*.

Well Jim, for you and your co-workers, quotes from Harper's Index are back. We hope the following is to your liking. The Publications Office aims to please!

- Number of words in the English language that exist because of typographical errors or misreadings: **381**.
- Number of articles written about baseball contracts and salaries since 1980: **2,459**.

Applause Applause Applause

Volleyball champs

(standing, l. to r.), **Margaret Votava**, Computer Division; **Glenn Populorum**; **Chris Darling**, Yale University, E-769; **Don Flynn**, Information Systems; **Doug Chen**, SUNY, E-761 and (holding trophy), **Alma Karas**, Contracts.



The team won the championship of the Batavia Park District Co-recreational Volleyball League. Final game was held April 19, at Louise White Grade School.

Quality Corner

A New Image for QA at Fermilab

The Fermilab Quality Assurance (QA) Program has been a part of the Laboratory's activities for over 5 years now. Often, the QA program is viewed as an additional load of paperwork which produces little or no benefit for the Laboratory. But, I believe the Laboratory can derive more benefit from the QA program by fully utilizing the resources available through the Fermilab Quality Assurance/Value Engineering Office in the Directorate.

Programs like the Fermilab Employee Energy Conservation Suggestion Awards are mechanisms through which employees can make suggestions about how activities at Fermilab can be improved. In a similar way, the Fermilab Quality Assurance/Value Engineering Office needs more input from Laboratory employees on how the quality and efficiency of Fermilab's activities can be improved to better serve the goals of the Laboratory and employees. If you have suggestions about how the quality, efficiency, reliability or effectiveness of activities in your area can be improved, please send them to Mark Bodnarczuk, M S 200 or BITNET Bodnarczuk @FNAL.

NALREC News

Since you heard from NALREC last, we have been very busily sponsoring great parties and working during the Arbor Day festivities. It was a great day (if a little windy) and the party that evening was also a great success. Our hat is off to **Mike Urso, Ken Horsey and Paul Gentry** for a job well done.

Tonight is the Old Timer's Steak Fry. **Ed Justice** has worked hard to make this party a success with all the retirees. They have been contacted and invited to come. Of course, steak is on the menu and we hope you will stay and enjoy the music of Cruisin' the Loop. Come early and stay late!

Our schedule for the rest of the year is as follows:

Hard Times Party - June 29th
Marilyn Smith & Mike Frett, Co-Chair

July Social - July 13th - Steak Fry and Pool Party
Glenn Lee & Jesse Guerra, Co-Chair

"Taste of Fermi" - August 17th
Trudy Kramer & Rose Callaghan, Co-Chair

September Social - September 14th
John Satti, Chair

50's-60's Party - October 12th
Mike Urso, Chair

Children's Halloween Party - October 27th
Sherry Thill, Chair

Turkey Party - November 16th
Dominick Carullo, Chair

Children's Christmas Party - December 9th
John Satti, Chair

Formal Christmas Dance - December 15th
Trudy Kramer, Chair

Employee Christmas Party - December 21st
NALREC Board, Chairs

We hope you will plan your social calendars around our parties. The reason for planning them so far in advance is so we can see as many of you as possible at these functions.

MAKE TODAY A GREAT DAY. —Trudy Kramer

SUMMER EDUCATION PROGRAMS

Parking may be at a premium and tables in the cafeteria more difficult to find, but the trade off will be enthusiastic new faces at the Lab and an opportunity to meet bright, excited students and teachers eager for their "Fermilab Experience." So as these visitors pour into Wilson Hall to participate in the many excellent programs being offered by Fermilab's Education Office, lend a helping hand, a warm welcome and know in your heart, that come Fall, you will be able to get on the elevators again!

The summer education programs listed below and other programs offered by the Education Office are co-sponsored by Friends of Fermilab and funded by the DOE Office of Energy Research, National Science Foundation, Illinois State Board of Education and several private foundations.

Summer Institute for Science and Mathematics Teacher (June 11- July 6). Sixty teachers will participate in this four-week institute designed to enhance science and mathematics teaching in the high school classroom.

DOE Teacher Research Associates Program (starts June 4, runs 10 wks). Twenty-five high school teachers from around the country will participate in this program designed to recognize superior science teaching and expose teachers to state-of-the-art scientific research.

DOE High School Honors Research Program in Particle Physics (June 17- July 1). Sixty gifted high school students hailing from all fifty states will be exposed to the research done at a world class particle physics laboratory.

Chicago Summer Institute for Science and Mathematics Teachers (June 25 - July 13). Sixty teachers will participate in this institute designed to enhance science and mathematics teaching in the high school classroom. This institute will be held at Chicago State University, co-sponsor. Teachers enrolled in the Fermilab and Chicago State Summer Institute will work together during several sessions.

Summer Science Project (July 30 - Aug 17). This program brings together 45 junior high school teachers for an intensive three-week institute designed to augment middle school science programs through activities that incorporate hands-on investigation and small group interaction.

TIMS (July 8 - July 20). Thirty-nine elementary and junior high school teachers will attend this inservice which introduces them to Teaching Integrated Mathematics and Science (TIMS), a curriculum project developed at the University of Illinois at Chicago.



Benefit Notes

SRA Performance Illustrations

Performance Illustrations comparing TIAA-CREF Retirement Annuities, TIAA-CREF Supplemental Retirement Annuities, Dreyfus, Fidelity and T. Rowe Price funds as of December 31, 1989 are available from the Benefits Office. Stop by and pick up a copy at WH15SE or call x3395, 4362 or 4361.

IRS "Hardship Withdrawal" Rules

When you enrolled in the Lab's voluntary pension plan, you were told that TIAA-CREF SRAs and mutual funds were subject to IRS hardship withdrawal rules, which means that you could only withdraw funds which would be used to finance the purchase of a home, college education and medical expenses. Recently, the IRS issued final regulations which expands the rules for 401(k) plans and will likely apply to 403(b) plans (Fermilab's voluntary program). Therefore, Fermilab's voluntary program, where applicable, will be administered according to the following IRS guidelines:

Hardship withdrawals will continue to be allowed for the purchase of a home (the principal residence of the employee); payment of tuition for the next semester or quarter of post-secondary education for the employee, spouse or children; payment of medical expenses in excess of 7.50% of adjusted gross earnings and payments to prevent eviction from, or foreclosure on, the principal residence of the employee.

The regulations make Fermilab responsible for verifying financial hardship. To do that, an employee will be required to provide the appropriate documentation to show the need for the withdrawal (e.g. mortgage loan application, college

tuition bill) and sign a statement that the employee cannot meet the financial need by stopping contributions under the plan; reimbursement or compensation by insurance; distributions or non-taxable loans from benefit plans maintained by any employer; borrowing from commercial sources on reasonable commercial terms and reasonable liquidation of assets. (Employee resources includes reasonably available assets of the spouse and children).

The withdrawal cannot exceed the financial need, and disqualifies the employee from participation in all voluntary tax-deferred plans maintained by Fermilab for at least 12 months after receipt of the hardship withdrawal.

Keep in mind that these withdrawals (except withdrawals for medical expenses and withdrawals on or after age 59 1/2) are subject to a tax penalty. The IRS wants tax-deferred plans to be used for retirement and not as savings accounts. Consult with your own tax counsel before considering a hardship withdrawal from your TIAA-CREF SRA or mutual fund account.

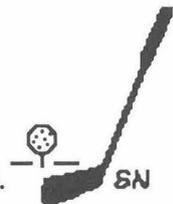
Alert - Parents of 1990 Graduates

College graduation is around the corner for some employees' children. If your children are enrolled in the Lab's medical and dental plans, their coverages terminate on graduation day, unless they are enrolled in graduate school and are under 23-years-old. If your children do not have group medical and dental coverage elsewhere, they can elect to continue on the Lab's plans. Please call the Benefits Office at x4362 or 4361 for the details and an election form. — *Paula Cashin*

FORE!

First Golf Outing of the Season

Fermilab's Golf Committee is pleased to announce that the first golf outing this year will be at Burr Hill Country Club, 5N578 Burr Road, St. Charles. Tee off time starts at noon on Friday, June 8, 1990. The cost to play 18 holes of golf is \$16 per person for green fees and \$10 per person per cart. There will be contests for closest to the pin and longest putt on six of the holes. The cost to participate in the contests will be \$3.



Make your reservations early and register your foursome by calling Pat Liston x2332 or Paula Cashin x4361, by June 1, 1990. One-half day approved vacation time required to play. — *Paula Cashin*

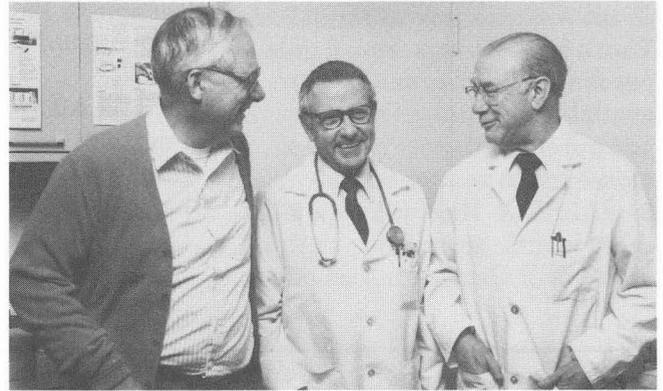
DR. LANG RETIRES FERMILAB WELCOMES NEW MEDICAL DIRECTOR

Dr. David Morrison has joined the Fermilab staff as Medical Director, replacing Dr. Charles Lang, who held that position for 15 years, prior to his retirement on February 1, 1990.

Upon his leaving, Dr. Lang was asked the typical question, "What are you going to do now?" His answer, "First of all, I am going to place a great emphasis on freedom. Freedom being the total lack of reporting to anyone or anyplace, with the exception of my wife, of course." Dr. Lang also included in his plans: learning to operate a washing machine, clearing all superfluous items (junk) from his home and lifestyle and numerous other energetic efforts and crusades. Although he remains in this area, his former staff has seen him but once, and he appeared to be enjoying himself quite well.

Chuck Marofske (l.), Head of Laboratory Services, bids a fond farewell to Charles Lang (r.), and welcomes David Morrison (center) to the Fermilab staff.

New Medical Director, Dr. Morrison, hails from Indianapolis, Indiana. He was excited about coming to Fermilab, which he called, "a marvelous employment opportunity and a chance to return to an area I once called home." (He had a practice in West Chicago 19 years ago). Dr. Morrison joined the Medical Office in December, although his Laboratory goals are not completely formulated, his main priority is the well-being of the Fermilab population.



Employee Assistance

In keeping with the Laboratory's commitment to strive for a drug-free workplace, the Employee Assistance Office sponsored the following lecture for Division and Department Heads:

Lawrence Mulcrone, Director of the DuPage Meg Force, Illinois State Police, presented *Recognizing Drugs in the Workplace*. Included in his dynamic presentation was how to recognize paraphernalia used by the substance abuser. The presentation was held May 15, at Fermilab.

If you have any questions regarding this presentation or the Employee Assistance Program, which does offer assistance to substance abusers, contact Eleanor Thomas-Grumbach at x3591.

Arts and Lecture Series

What Will Follow the Cold War?
Len Ackland, Editor, *Bulletin of the Atomic Scientists*
Friday, June 1, 1990, at 8:00 p.m.
Fermilab's Ramsey Auditorium
Admission: \$2
Information and Ticket Reservations: 708-840-ARTS

Congratulations to:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From the Front Desk

With the coming of the warm weather, activities are geared for the out-of-doors. Two ways to enjoy the out-of-doors are outings to Great America and Ravinia. Tickets are available for both activities at the front desk in the Atrium at Wilson Hall.

GREAT AMERICA

This year, NALREC is selling Great America tickets for \$15.95. That's a \$4 savings from a gate purchase. Similar savings are available on children's tickets. If you purchase tickets by check, please make your check payable to NALREC. Next to Fermilab, there is little to compare to the excitement Great America offers.

RAVINIA COUPON BOOKS

Ravinia coupon books will be available within two weeks. Ravinia opens its 55th season on Friday, June 22. A coupon book contains 25 coupons which entitles you to a \$1 discount on admission upon presentation at the gate. The price of the coupon book is \$20. If paying by check, please have your check made payable to Ravinia Festival Association.

FERMILAB T-SHIRTS

Fermilab T-shirts are available. Supply is limited, but a real bargain at \$8.

ARTS AND LECTURE SERIES TICKETS

As always, tickets and information on Arts/Lecture Series presentations are available. If you have any questions about an upcoming presentation, stop by the desk and ask. If I can't answer your question, I'll find someone who will. If you have never attended an Arts/Lecture Series presentation, maybe now is the time. We offer quality entertainment without the hassle of traveling to Chicago.

Fermilab has a lot to offer to employees, visitors and guests. I know, because it all happens at my desk. — *Connie Kania*

Classified Ads

Miscellaneous:

26" MEN'S 10-SPEED BICYCLE, Huffy, in ex con, new brake pads and rear tire. \$55 or best offer. Call Gary x4949.

ANTIQUA CHINA CABINET, probably from 1930's, dark walnut, ex con, \$300. Call Curtis x2640.

LEE LOAD-ALL SHOTGUN SHELL RELOADER, \$10. EXERCISE BIKE, \$30. CRAFTSMAN ROUTER & ROUTER TABLE, \$70. 1/4" DRILL, \$10. Call Larry x3428 or 749-1564.

1981 MC SCOW SAILBOAT, trailer clamps, full cover, kick-up rudder, graphics and sail. \$1,900. x3125 (day) or 557-2113 (eve).

TWO 9.50 X 16.5 GOODYEAR TIRES, mud and snow, new last fall, less than 400 miles. \$125. Call Rod x3428.

SAAB 900S TIRE AND WHEEL, zero miles, Pirelli P8 size 185/65 R15, mounted on 4 bolt, 24 spoke alloy rim. \$50. Call x4676.

TRASH COMPACTOR, \$75. CURTAIN RODS, @\$5. DRAPES, @\$8. TV STAND, \$5. BRASS LAMP, \$8. LADIES BIKE, \$30. 10 SPEED, \$20. CUB SCOUT SHIRT, \$8. Call x3011 or 557-2523 after 5 p.m.

Motorized Vehicles:

1980 BUICK SKYLARK, 2 door, power steering, power brakes, AC, AM/FM stereo. \$1,000 or best offer. Call x3185 or 708-788-5331.

1986 TOYOTA PICKUP, 6 ft bed w/Duraliner, perfect con. \$4,800. Call x4780.

1987 CHEVY SPECTRUM CL, hatchback, five-speed, AC, AM/FM cass, 26,000 miles, like new. \$4,500. Call Gayle x3092 or 708-879-6291.

1988 MAZDA B2200 SE5 RED PICKUP, 5 spd man., AM/FM cass, cloth seats, 6 ft bed w/bedliner, 1500 lb payload, tow 2,000 lbs, 19k mi., full warrantee til 36k mi., great truck. \$6,200. Call Karen x2523 or 515-8369 or FNAL:: Coulter.

Real Estate:

HOUSE, completely rehabbed, 8 rooms with eat-in kitchen, dining room, living room, den, 4 bedrooms, 2 full baths and full basement, Aurora School Dist.131, \$65,000. BLUFF PROPERTY, 1.65 acre wooded lot, Garrett Bay Estates, Ellison Bay Door County, Wisconsin, \$15,000. Call Barbara x3492 or evenings 708-859-8699.

FermiNews is published by the Fermilab Publications Office, P.O. Box 500, Batavia, IL 60510 (708) 840-3278, FNAL::TECHPUBS.
Editor: C. Crego
Editorial Assist.: S. Novack
Circulation: S. Hanson
Photography: R. Hahn
Fermilab is operated by Universities Research Association, Inc, under contract with the U.S. Department of Energy.