

# FermiNews

The Newsletter of the Fermi National Accelerator Laboratory

## NEW OFFICE OF PUBLIC AFFAIRS FORMED

### LABORATORY REORGANIZES ITS PUBLIC INFORMATION ACTIVITIES

The previous Public Information Office has been renamed the Office of Public Affairs and moved to the Directorate. This office will be led by JUDY JACKSON and will include two editors and an office administrator.

The new Office of Public Affairs will have responsibility for many of the functions of the former Public Information Office and for the production of nontechnical Laboratory publications including the Laboratory's annual *Institutional Plan*, the *Fermilab Annual Report* and *FermiNews*. The Office will also be responsible for the Laboratory's relations with the press, including writing press releases and developing brochures describing the Laboratory.

Along with the responsibility for Laboratory print publications, the director has

asked that the Office of Public Affairs also be responsible for the Directorate's pages on the World Wide Web and other electronic publications that present the Laboratory to the Internet.

"I am pleased that Judy has agreed to take this position. I am sure she will bring a renewed sense of dynamism to our public outreach activities," said DIRECTOR JOHN PEOPLES. "Our office plans to play an active role in maintaining good relationships with the press and the public, including the management of the Speakers' Bureau and response to public inquiries," said Judy. The Office will also work with the Department of Energy on matters that are in the domain of public information.

In addition to these assignments, Judy will continue to give members of the Directorate editorial assistance in the preparation of talks, speeches, testimony, position papers and policy documents.

The director plans to take an active part



Judy Jackson and Director John Peoples discuss outreach activities.

in planning and carrying out the Laboratory's communication and media activities. "Judy will report to me and I will take a keen interest in all matters of policy and content. I have a great interest in the image the Laboratory projects to the outside world," said John.

### PUBLIC TOURS MOVE TO THE EDUCATION OFFICE

Some of the functions of the old Public Information Office will not be performed by the Office of Public Affairs. Beginning May 1, public tours will be administered by the Education Office and will remain the responsibility of the Laboratory Services Section. "The reorganization allows us the opportunity to consolidate our tour programs and make better use of laboratory resources," said CHUCK MAROFSKE, head of Laboratory Services Section.

### SALES MOVE TO THE FRONT DESK

Book, postcard, poster, slide and photo sales, which in the past were handled by the Public Information Office, will now be handled by KATHY JOHNSON, Front Desk receptionist.

*FermiNews*



Friday, May 5, 1995 • Volume 18, Number 8

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# INVENTORS RECOGNIZED FOR RECORDS OF INVENTIONS

Thirty-seven Fermilab inventors were recognized recently by the Office of Research and Technology Applications (ORTA) for filing Records of Inventions during 1994. Each inventor received a certificate and a check during a reception hosted by ORTA on March 15.

Records of Inventions (ROIs) are key to the technology transfer program at the Laboratory, said JOHN VENARD, head of ORTA. "An ROI is a legal document establishing the 'bare bones' facts about a new and potentially patentable or copyrightable discovery or technology," said John. "It is the first step in evaluating the potential for commercialization and for tracking all activities associated with making the technology available outside the Lab."

Those recognized for disclosing Fermilab-created technology were:

WALTER JASKIERNY (RD), ALEX KRISTALINKSI (RD) and AGE

VISSER (retired) for their "Magnetically Coupled Quench Detector." This detector, for use in superconducting magnet protection systems, is a new type of quench detector that minimizes energy dissipation during a quench. "The detector eliminates the need for a long high-voltage cable typical of conventional quench detectors and may be especially useful for quench detection of superconducting magnets for energy storage," noted Alex.

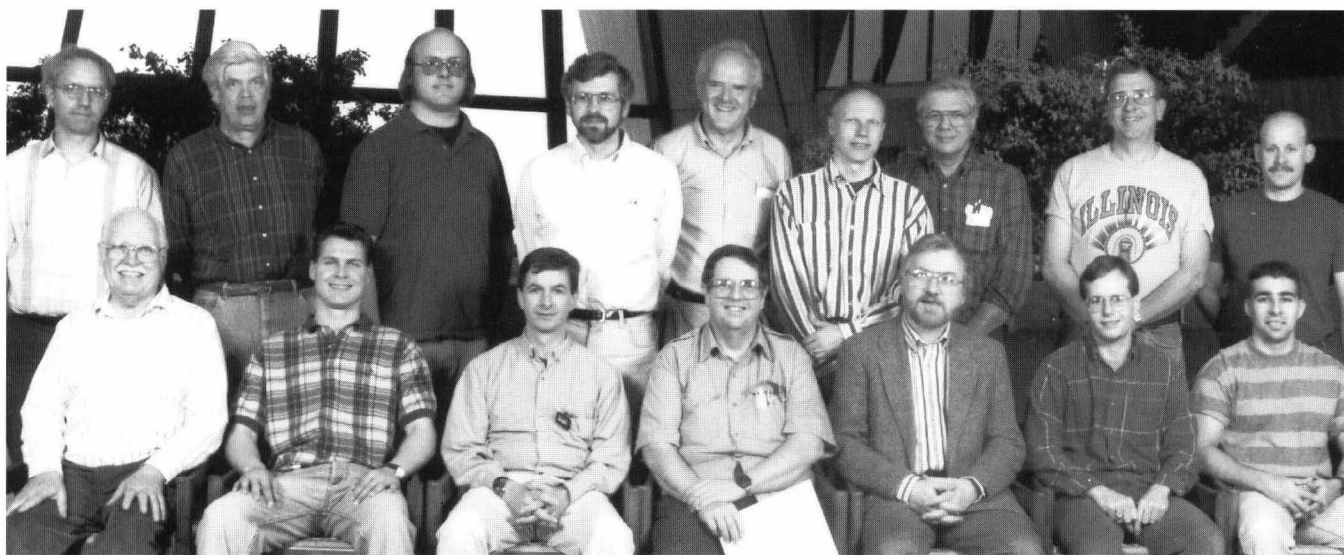
WILLIAM SOYARS (AD) and STEVEN JOHNSON (summer) received a certificate for a "Macintosh PC Simulation of Tevatron Satellite Refrigerators." This is a computer program that accurately simulates the thermodynamic performance of the Fermilab Tevatron liquid helium satellite refrigerators under steady state conditions. "This tool," noted Bill, "helps engineers in designing and understanding upgrades to the accelerator cryogenic system." With some code customizing it can potentially be used by

other government, commercial or academic groups for design, education and operations purposes.

ALAN BAUMBAUGH (RD) was recognized for his invention "High Density Card Connection Scheme." This invention allows a standard size PC board, which normally has fewer than 300 electrical connections to a standard crate, to have over 1000 connections. "This invention enables the top and bottom edges of the PC board to be used, increasing the number of connections by a factor of three to five," noted Alan. The scheme has many possible uses outside the Lab.

Also recognized were JOHN DINKEL (AD) and JAMES BIGGS (AD). Their invention, "Magnet Coil Shorted Turn Detector" was developed to facilitate the location of shorted turn circuits in magnet coils. Most coils with shorted turns have the insulation burned off without the fault having been located.

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ROI Award recipients: (Row 1, l to r) Q. Kerns, B. Krueger, P. Prieto, A. Baumbaugh, V. Visnjic, B. Soyars and A. Martinez. (Row 2, l to r) J. Biggs, J. Dinkel, T. Johnson, S. Kent, H. Jostlein, G. Saewert, L. Bartleson, F. Walters and F. Rucinski.

## INVENTORS

*continued from page two*

This new detector locates the shorted circuit without destroying the winding locally. "This could be used in any organization that has a need to repair short circuits in large magnet coils, such as those found in accelerators, medical equipment or power distribution transformers," noted John.

TODD JOHNSON (AD) received a certificate for his "Resonant Electrode DC Electric Field Probe." Present field probes use a motor to continuously take electrostatic field measurements, are subject to failure and are not suitable for harsh environments. This new probe uses a resonant electrode instead of a motor and can provide continuous measurement even under extreme environmental conditions. Todd noted that it has the potential for use in electronic equipment assembly areas, meteorological instrumentation or as a lightning hazard indicator for outdoor sporting events.

DAVID ANDERSON (RD) and SIMON KWAN (RD) were recognized for "Cesium Iodide Activated Diamond Film." Surface treating diamond with cesium iodide creates a surface with a very high secondary-electron yield. Existing secondary electron emitters are either not air-stable or have very low electron yields. This new film offers a great advantage for the production of high electron yield dynodes for photomultiplier tubes producing a device that has high single-photoelectron resolution, while being more compact and stable.

ALEX MARTINEZ (AD) and CARL PALLAVER (AD) received certificates for "Testing an Improved Helium Screw Compressor." This ROI involved a joint effort between the Lab and Mycom Corporation to investigate ways to improve the efficiency of the Lab's

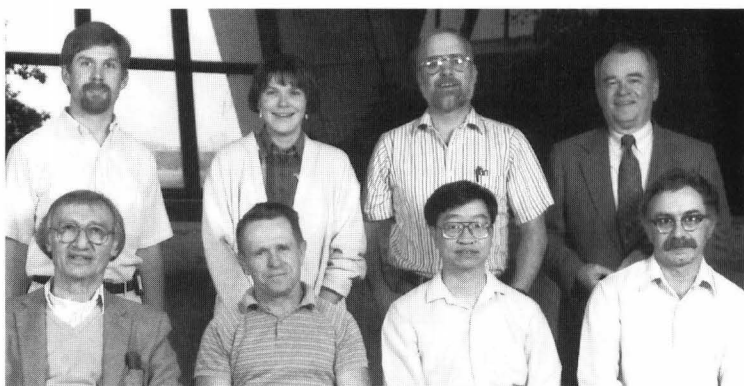
Mycom oil-injected helium screw compressors. "The results of these tests will help determine the practicality of incorporating

these modifications to the 34 existing screw compressors of the Tevatron," noted Alex. If incorporated they could result in improved energy efficiency and reduced power consumption at the Lab.

ERIC HAGGARD (TS) was also recognized for his invention, "Mass Finishing Optical Fibers." Optical fibers have historically been finished in small numbers, a few at a time, since there has not been an easy way to mass finish fibers and then use them individually. This new process uses Cerro alloy to support and contain optical fibers during the finishing process. This provides an easy way to fixture and handle hundreds of fibers a time, resulting in both cost and time savings.

TIM MCKAY (Physics), STEVE KENT (CD), DON PETRAVICK (CD) and MERLE HALDEMAN (RD) received certificates for the "Drift Scan Camera." This camera is a general purpose digital image acquisition system designed for use in astronomy. It provides astronomers with a fast and flexible charge-coupled device image acquisition system to support a wide variety of research programs. The camera is currently in use in the Sloan Digital Sky Survey, of which Fermilab is a member. Possible uses include high-resolution optical and x-ray imaging.

HANS JOSTLEIN (Physics) was recognized for "Optics for a Tele-Microscope." Microscopes of large magnifi-



*More ROI award recipients: (Row 1, l to r) M. Atac, M. Haldeman, S. Kwan and W. Jaskierny. (Row 2, l to r) D. Peterson, A. Pla-Dalmau, D. Anderson and J. Venard, ORTA.*

cation usually require the objective lens to be very close to the object under study. This invention, said Hans, "is an optical device that will allow observations and large magnification from several inches away. This will be useful in aligning components of silicon strip detectors, such as in CDF and DZero." Hans noted that other applications, especially in metrology and biology, are expected.

VLADIMIR VISNJIC (formerly AD) received a certificate for his "Three Quadruple Local Dispersion Insert." "This is a versatile and practical accelerator component that allows simple and accurate control of important accelerator parameters, including dispersion, transition energy and the mixing factor in machines with beam cooling," noted Vladimir.

Also recognized were HOWARD PFEFFER (AD), LEON BARTELSON (AD), KEN BOURKLAND (AD), CHRIS JENSEN (AD), QUENTIN KERNS (retired), PETER PRIETO (AD), GREG SAEWERT (AD) and DANIEL WOLFF (AD) for their "Pulse Modulator." This new modulator is smaller and less costly than most current modulators available. Its prototype was built at Fermilab and installed at DESY in April 1994 and it can be used as a modulator where long pulses are required.

ALAN BROSS (RD), KERRY

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## INVENTORS

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MELLOTT (RD) and ANNA PLADALMAU (RD) received certificates for "Extrudable Scintillator Pellets." Plastic scintillating pellets produced by this extrusion process provide an alternative to high cost bulk-polymerized cast scintillator materials. Preparation of these plastic scintillating pellets can be used as feed stock for the extrusion of plastic scintillators at lower cost than current processes.

BRETT KRUEGER (Co-op) was recognized for his "Roller Pipe Clamp." When long runs of pipe sustain changes in temperature, the pipe clamping system must allow for translational movement to minimize the stresses produced in the support. This roller pipe clamp minimizes translational frictional forces through the use of a Teflon roller. The Teflon roller also reduces friction and reduces the transmission of noise. Brett noted that this design is not exclusive to thermally expanding pipes, and can be used by industry that deals with supporting long runs of pipe where axial forces within the pipe are expected to occur.

Also recognized was CAROL JOHNSTONE (AD) for her "Laser-Controlled H<sup>-</sup> Beam for Proton Radiography." Strong worldwide interest has developed in the treatment of cancer using proton beams and diagnostic techniques using proton radiography. This invention introduces the precise targeting and modulation capabilities of a laser combined with highly sophisticated laser scanning techniques into the application of proton radiography. Advantages to this laser include failsafe dose-limiting—the maximum power of the laser can be chosen so that a lethal dose cannot be administered. This new technology also allows for increased radiography speed, in effect, taking a snapshot of a beating heart and recording its entire cycle.

This has not been possible with current technology, noted Carol.

DAVE PETERSON (AD) received a certificate for his "Wide Bandwidth Signal Multiplexer." This multiplexer performs non-blocking distribution of 16 input signals to any of 16 output channels. The unique signal splitter on each input channel permits low-loss distribution of signals to the switching matrix. This design eliminates much of the cost and cabling by using multi-layer circuit board technology and surface mount components. This unit is more compact, has higher performance and costs about 1/10 of commercially available units, and it can be used on any signal system which requires distribution of wide bandwidth RF signals.

MUZAFFER ATAC (RD) and TIM MCKAY (Physics) were recognized for "Direct Detection of X-Rays for Protein Crystallography." In this process, Muzaffer and Tim directly detected x-

rays for applications to protein crystallography and digital mammography using new and advanced charge-coupled devices. "This will be a very powerful tool in pharmaceutical research due to its excellent spatial resolution—better than 10 micron rms—and excellent energy resolution," said Muzaffer. "Such space technology devices with position and energy resolution can revolutionize medical imaging, especially pharmaceutical imaging."

Also recognized at the ceremony were FRANK RUCINSKI (AD) and FRED WALTERS (AD). Using their "Turbulence Reduction Sleeve" it is now possible to measure liquid helium levels in a dewar or other environments where heavy splashing occurs. Frank and Fred created a Teflon shield that prevents splashing. "Other users of liquid helium can readily use this idea," noted Fred, "since it is compatible with existing equipment and the cost for modification is minimal." ■



## German Dignitary Visits Laboratory

*Dr. Hermann Schunck (center), Ministerium fuer Bildung, Wissenschaft Forschung und Technologie, Bonn, Germany, stands with Helen Edwards (AD), Director John Peoples, Alvin Tollestrup (CDF) and Gene Fisk (DZero) during a visit to the Laboratory April 24, 1995. Dr. Schunck is the key person in the German ministry concerned with support of particle physics.*



# People Events

## FERMILAB ARTS SERIES PRESENTS

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### SUMMER SERIES 1995

Spanning the globe, the Fermilab Arts Series offers a summer of irresistible music. From Latin America to Japan to the United States' be-bop master, this Summer Series offers an outstanding array of musicians. Summer Series tickets are available only until May 15. After that time, single tickets will be available. Save over 10% from single ticket purchase and ensure the best seats possible by reserving your Summer Series tickets today. All performances take place on Saturday evenings at 8 p.m. in Ramsey Auditorium.

### DANILO PEREZ WITH SPECIAL GUEST DAVID SANCHEZ, SATURDAY, JUNE 3, 1995

"I am immensely impressed with Danilo Perez, not only for his superb musical talents—as a pianist, composer and arranger—but for his dedication and self-discipline...He is already recognized as one of the finest young pianists performing today, and he will assuredly be one of the great jazz artists of his generation."—*Dizzy Gillespie*, March 1992.

At 27, Panamanian-born Danilo Perez has developed one of the freshest and most distinctive blends of the jazz and Afro-Latin idioms. His role as a band leader draws from his experiences playing with Dizzy Gillespie's United Nations Orchestra as well as musicians such as Slide Hampton, Lionel Hampton,

Freddie Hubbard, Jack DeJohnette, Branford Marsalis and Red Rodney. Perez' frequent partner and former bandmate in Dizzy's United Nations Orchestra, David Sanchez, appears as a special guest. States the *Chicago Tribune*: "If the '80s belonged to Marsalis and friends, the '90s may well turn out to be the decade of Puerto Rican tenor saxophonist David Sanchez (who's 26)."

### SAN FRANCISCO TAIKO DOJO, SATURDAY, JULY 22, 1995

The exact origin of Taiko remains unknown. However, through ancient folklore, historical writings and anthropological studies, it is known that Taiko has been associated with many aspects of Japan's culture. In Buddhism, the drums represented the voice of Buddha. Farmers used drums to chase pests from the fields. Drumming was used in times of war to signal men in battle. Grand Master Seiichi Tanaka founded the San Francisco Taiko Dojo 21 years ago and is credited with bringing Taiko to America. His philosophy is evident in performances that blend contemporary rhythms, a variety of percussion instruments, singing and Taiko and martial arts stances. Past performances include a command performance before Emperor Hirohito, Japan Mexico Cultural Festival, thousands of performances around the country, appearances on national and international television and a unique collaboration with jazz great Art Blakey.



*Milt Jackson*

### MILT JACKSON, SATURDAY, AUGUST 26, 1995

Vibraphonist Milt Jackson has been at the heart of jazz since he was first discovered by Dizzy Gillespie as a teenager in 1945 in a Detroit nightclub. Although influenced by vibist Lionel Hampton, Milt Jackson was the first proponent of be-bop to play the instrument. He was a member of the Dizzy Gillespie-Charlie Parker Sextet in the late '40s, and along with Parker and Gillespie, became one of the leaders of the be-bop and modern jazz movements. Soon after, he played with groups led by Coleman Hawkins and Thelonius Monk. In 1950 he, along with other members of Dizzy's Big Band, began playing as a combo which later became known as the Modern Jazz Quartet. Milt Jackson continues

*continued to page seven*

## LECTURE SERIES PRESENTS

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**Observing The Early Universe**  
**Dr. George Smoot III, Astrophysicist,**  
**Lawrence Berkeley Laboratory**  
**Friday, May 5, 1995 at 8 p.m.**

The solution to the profound mystery, the origin and development of the observable universe, is more constrained

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## LECTURE SERIES

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than ever before. Consider the facts: stars shine against a dark background; the universe is expanding; the luminous matter in the universe is hydrogen plus a dash of helium and minute traces of everything else. This luminous matter is distributed in great clusters and sheets separated by huge voids. More than 90% of the matter is dark and probably unknown. The universe rings with isotropic blackbody radiation, the all-pervasive echoes of the primeval fireball of the Big Bang. The cosmic background radiation is smooth but not perfectly so. Are these minuscule variations enough to describe the origin and development of the universe? Perhaps yes, perhaps no—either way we are in an awesome venture.

Smoot reviews how we came to our present understanding with particular emphasis on the data from the Cosmic Background Explorer Satellite (COBE) in his lecture "Observing The Early Universe" on Friday, May 5, 1995 at 8 p.m. in Ramsey Auditorium.

Smoot is a professor in the Physics Department at the University of California, Berkeley. He began his work on measuring the spectrum of the cosmic background microwave radiation in 1979. In April 1992, using results from COBE experiment, Smoot announced the discovery he had been working on for years; he detected and measured anisotropy in the cosmic background radiation. This provided the important evidence of the inherent unevenness and variation in the matter that produced this radiation. He has termed this phenomenon "wrinkles" in space and time, hence the title of his book *Wrinkles in Time*.

Admission is \$3. For information or telephone reservations, call xARTS.

## RECREATION INFORMATION AVAILABLE ON NETWORK

Current programs, activities and news regarding the Recreation Office and the Wellness Works Committee are available through the Recreation Office's file server. To access the file server (for Macintosh users):

- select chooser in the Apple Menu

- select appleshare and LS/Main Ethernet

- select Jean's Mac and click OK

- select guest and click OK

- select a file

## POOL MEMBERSHIPS NOW ON SALE

Fermilab swimming pool memberships are now on sale in the Recreation Office, WH15W.

Pool membership is open to Fermilab employees, visiting researchers, eligible contract personnel and their immediate families. Season rates are: single, \$25; couple, \$40; family of four, \$60; each additional family member (spouse, dependent child residing in the same household), \$5. Children age two and under do not require a pool tag.

Daily and guest fees are \$3 per day. Guests must be accompanied by a Fermilab employee. The pool will open May 27 at 9 a.m.

Pool hours are weekdays: 12 p.m.-8 p.m., family swimming; 11:30 a.m.-12 p.m., adult lap swimming. Weekend hours

are: 9 a.m.-8 p.m., family swimming. Holiday hours are 9 a.m.-8 p.m., family swimming. The pool is closed from 8 p.m. until 11:30 a.m. weekdays.

### CHILDREN'S SWIM LESSONS

Fermilab offers children's swim lessons on Monday, Wednesday and Friday. Beginners classes are from 11 a.m. until

11:45 a.m. and intermediate classes from 10 a.m. until

10:45 a.m.

Children in the beginners class must

be at least 42" tall or five years of age.

Class is first come, first serve.

Session dates are:

Session I: June 12-July 14

Session II: July 17-August 18

Cost for lessons are \$20 per child/per session. Applications are available in the Recreation Office, WH15W.



## NALWO NEWS

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Nalwo invites all Fermilab women to the annual Spring Tea on May 12 from 10 a.m. until 12 noon at the residence of Nancy Peoples. Here's an opportunity to meet with women scientists, employees, visitors, friends and associates. Please contribute a dessert or appetizer or bit of fruit, if you can. If you cannot, come anyway. There will be babysitting at Playgroup for \$1 per child. Register with Leyla at 708-305-7803. For information or directions to Mrs. Peoples' home, call Selitha Raja, 708-305-7769 or Brenda Kirk, 708-232-8648.

Nalwo and the Fermilab International Folk Dancers will host a weekend Romanian dance workshop with Mihai David, an internationally known performer and teacher. The first session is May 5 from 7:30 to 10:30 p.m. at the Village Barn. Cost is \$5. Come to learn and dance. There are two Saturday

sessions, both at the North Aurora Activities Center at the intersection of Routes 31 and 56. From 2 p.m. to 5 p.m. several dances particularly suited to children will be presented; and from 7 p.m. to 11 p.m. there will be a dance party. Both sessions cost \$7 and there is a separate supervised room for children during each session. The workshop concludes May 7 with a dance from 10 a.m. until noon for \$3 in the Village Barn. For more information call Mady Newfield, 708-584-0825 or Susan or Doug Jensen, 708-232-9089.

The Nalwo "coffee morning" on Thursday, May 18, in the Users' Center from 10 a.m. until noon presents an Introduction to Australia in Words and Pictures by Sharon Crane, a native from "down under." Come hear about Australia and enjoy cordial conversation and refreshment.—*Sue Mendelsohn*

## FRISBEE LEAGUE BEGINS PLAY

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The new Fermilab Frisbee League is seeking members for summer league play. Games will be played Tuesday evenings at the recreation fields behind Kuhn Barn in the Village. Singles, teams, men, women, beginners and advanced players are welcome. The organization meeting

will be held May 22 at 5:30 p.m. at the Users' Center. For more information, contact DOUG GLENZINSKI, x8418, dagwood@fnald.fnal.gov; BEN TANNENBAUM, x2120, tannenba@fnald.fnal.gov or JEAN GUYER, x2548, jeanm@fnalv.fnal.gov.

## FEMALE VOLLEYBALLERS NEEDED

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The summer coed sand volleyball league is looking for female volleyball players. The season begins May 8 and games are played Monday and Tuesday evenings.

If you are interested in joining the league, contact MAXINE SNEE at x8014, FNALV::MAXINE or JEAN GUYER at x2548, FNALV::JEANM.

## TONE UP FOR SUMMER

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The Recreation Office will hold muscle toning classes Tuesday and Thursday evenings from 5:30 to 6:30 p.m. in the Recreation Facility. Beginners are welcome. Two sessions will be held: May 16 - July 13 and July 18 - September 7. Both sessions are eight weeks long and cost \$40. Registration and payment must be made prior to the start of the session. To register, mail your name and check, payable to the Bod Squad, to M.S. 126 or stop by the Recreation Office at WH15SW. For more information, Call JEAN GUYER at x2548. A 1995 Recreation Facility membership is required.

## TENNIS, ANYONE?

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The summer Doubles Tennis League will begin May 14. Games are held at the outdoor tennis courts located behind the Kuhn Barn in the Village on Sundays from 4-8 p.m. Partners are randomly chosen each week. For more information or to sign-up contact STEVE KUHLMANN, FNALD::Kuhlmann.

### ARTS SERIES

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to be a vital and original musician today. He was named by *DownBeat's* Readers Poll in August 1994 as the Best Individual on Vibes by a 2 to 1 margin. He is stimulated by new settings and fresh company, as evidenced by his recent release *The Prophet Speaks* with saxophonist Joshua Redman.

For further information or telephone reservations, call xARTS weekdays from 9 a.m. to 4 p.m.

# STOCKROOMS CLOSE FOR INVENTORY

The Fermilab Stockrooms will be closed for annual inventory on the following schedule:

**WILSON HALL STOCKROOM**  
Closed Friday, May 12, 1995 all day.  
Will re-open Monday, May 15 at 1 p.m.

**SITE 38 STOCKROOM**  
Closed Monday, May 15 and Tuesday,  
May 16, 1995, all day both days.

Please plan accordingly. For further information, call the Supply Office at x3808.

# HEALTH FAIR COMING TO LAB

The Wellness Works Committee will be holding their annual Fermilab Health Fair June 14 from 10 a.m. to 2 p.m. in the Wilson Hall Atrium. Read *FermiNews* for more details.

## Harper's Index

Amount Sammy Crabtree earned in August 1993 giving tours of Bill Clinton's first home, which he owns:  
**\$437**

Number of hunters who have had their cremated remains loaded into a shotgun shell and shot at an animal:  
**40**

# MOVIE SCHEDULE

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 \$4 for adults. Call x8000 for more information.

■ May 12 *Kika*  
A black farce on sex and violence. This satire on tabloid TV and the public's fascination with it offers burning insight and an indifference to political correctness. Pedro Almodovar, director, Spain, 1993, 116 min.

■ May 19 *Like Water For Chocolate*  
A striking and sensuous film set in the early part of the 20th century. A young woman's life is shaped first by her stern mother and, more importantly, by the overwhelming power of cooking. Alfonso Arau, director, Mexico, 1992, 113 min.

■ June 9 *The Joy Luck Club*  
Based on Amy Tan's book, the film examines four mother-daughter relationships, contrasting the daughters' American lifestyles to their mothers' lives in China. Wayne Wang, director, U.S., 1993, 134 min.

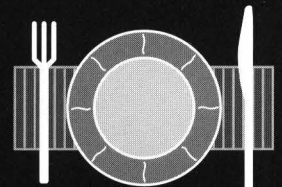
# DANCE WITH THE FERMILAB FOLK CLUB

The Fermilab Folk Club is sponsoring a clogging workshop along with the regular monthly barn dance. Beginning lessons are May 14 at 6 p.m. Intermediate lessons are June 11 at 6 p.m. The regular monthly barn dance begins at 7 p.m. in the Village Barn. Everyone is welcome. No experience is

necessary since all dances are taught. Music is provided by the Red Mules and calling by Tony Scarimbolo. Clogging lessons will be taught by Dot Kent, one of the area's finest cloggers. Lessons are \$6 and admission to the dance is \$4. For more information, call LYNN GARREN at x2061.

## Chez Léon Menu

Lunch (Wed) \$8.00 • Dinner (Thurs) \$20.00  
Reservations: x4512



Wednesday, May 10 • *Vegetarian lasagna, mixed vegetable salad, sliced oranges w/cranberry Coulis*

Thursday, May 11 • *Caponnata, grilled swordfish w/olivada, vegetables of the season, ricotta cheesecake*

Wednesday, May 17 • *Marinated grilled flank steak w/pea pods and mushrooms, orange ginger brownies w/vanilla ice cream*

Thursday, May 18 • *Beef fondue w/assortment of sauces, spring salad, decadent chocolate cake*



# RECREATION NEWS

## TAKE THE WELLNESS WORKS CHALLENGE

The Wellness Committee has designed a program to help you have some fun this summer and benefit from enjoying physical activity. The kickoff for the Challenge is May 17 at the Employee Health and Fitness Day.

You don't have to be a star athlete to get benefits from exercising. Studies show that moderate levels of physical activity can improve health. Doing something is better than doing nothing. The Wellness Works Challenge will help you get going in the right direction.

The Challenge consists of five programs of various lengths. You choose which program(s) best fits your activity level. Prizes and incentives will be awarded to all participants.

The Wellness Challenge begins with:

### **National Employee Health and Fitness Day, Wed., May 17, 11:30 a.m.-1 p.m.**

You can join your coworkers in a walk/run/roller blade event in the Main Ring. Get out and enjoy the day moving around the Ring. All participants receive a coupon for a free piece of fruit

or yogurt, water bottle, medallion and entry to drawing for prizes. There will be a trophy awarded to the division or section with the highest percentage of participation, so do your part to help your division/section win.

### **Bike to Work Day, Friday, June 23 (rain date June 30).**

Do you live close enough to bike to work? This is the day to try an alternative form of transportation. You'll be doing your part for the environment and getting fit too. Don't forget your helmet.

### **Just Move—Cross Country Journey.**

This is a one month program that takes you on a cross country journey as you track your progress. You can choose the activity you want to do and the intensity level that is best for you. Each day you participate in an activity, you move farther along your "journey." At the end, you will have started down the road to improved health. Start this program any time before August 28.

### **Exercise America National Parks.**

Get fit and have fun as you travel to and through America's National Parks. This is a two month program you can start

any time before July 31. You can choose from over 50 fitness activities and record your exercise miles on a map that takes you through the National Parks.

### **Presidential Sport and Fitness Award.**

The Presidential Sports and Fitness Award is an ambitious four-month program that begins on May 17 and ends on September 22. You can choose from 67 sports and fitness activities and when you complete 50 hours of activity over the four month period, you will receive the Presidential Awards.

Whatever program you choose will earn you great prizes and a chance in the grand prize drawing on September 25 for a Walkman. The winner will be drawn from those who complete any one of the programs.

Information kits for each program will be available after May 17 in the Recreation Office (WH15W, x2548) or at the Employee Health and Fitness Day and at the Health Fair. Pick up a kit and choose the program(s) you want to try. A registration form and everything you need to get started is in the kit. Remember, if you want to complete the President's Award, you must begin on May 17.

## Canoes Available for Rent

Canoes are available for rent by Fermilab employees, visiting researchers, specified contractors and retirees. Prior reservations and payment (\$5 per day per canoe) must be made. Reservations forms are available in the Recreation Office, WH15W. The canoe garage key may be picked up at the Recreation office from 8:30 a.m.-5 p.m., Monday through Friday. After 5 p.m. on weekdays and weekends, the key may be picked up at the

Communications Center, WH1E. Life jackets (adult & children) are mandatory and must be checked out and returned to the Recreation Office, WH15W, during normal work days and hours. Lifejackets will not be accepted in the Communications Center.

Canoes are 17' in length and have a maximum capacity of five people. Oars are supplied and located in the canoe

garage. Canoes are located in the garage between the house located at 10 Sauk Circle and Anderson Barn in the Village. Transportation of canoes is the responsibility of the lessee. Canoes may not be modified or alterations made to the framework.

On site canoeing is allowed on the Village lakes only. These are DUSAF pond, A.E. Sea and Lake Law. Canoes are licensed and may be taken off site.

# BENEFITS NOTES

## VERIFICATION OF DEPENDENT STATUS

From time to time you may be asked by one of the medical and dental plans to verify your dependent's eligibility status. This is to remind you that eligible spouse under the plans is your "lawful" spouse. (This does not include a common law spouse or ex-spouse). Eligible dependents under the plans are your unmarried children under age 19, children under age 23 who are full-time college students and primarily supported by you and children who are mentally or physically incapable of earning a living. (HMO IL does not require full-time student status. A dependent who lives with the employee and is supported by the employee qualifies).

The definition of a dependent child includes: a child born of the employee, a child adopted by the employee and a stepchild of the employee living with the employee. (The HMOs include a child for whom an employee has acquired legal custody).

If you are asked to provide proof of dependent status, copies of a marriage license, birth certificate, custody papers, tuition bills and class schedules will work.

## FermiNews

*The Newsletter of the  
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# CLASSIFIEDS

## ■ VEHICLES

1991 Honda CRX, auto., Alpine stereo, 46k miles, \$7,000. Call Kevin at x8368 or 708-898-0304.

## ■ MISCELLANEOUS

Outdoor swing set w/slide, good cond., \$40; GE electric dryer, large cap., top of line, used 3 yrs., like new, \$50. Call x4501 or 708-983-7452.

Kimball organ, Swinger 700, \$1,200. Call Bob at x2817 or 708-904-0035 after 5 p.m.

Waterbed mattress, Sealy Posturepedic, top of line motionless queen-size, w/ deluxe heater, 2 yr. old, paid \$400, ask \$129; sofa sleeper, brown velour, very comfortable, \$50; 3 piece sectional, dark beige, durable fabric, \$50. Call Tony at 708-830-6831.

## ALERT PARENTS OF 1995 • COLLEGE GRADUATES

College graduation is around the corner for some employees' children. If your children are enrolled in the Laboratory's medical and dental plans, their coverage's terminate on graduation day, unless they are under age 23

Electronic organ, beautiful wood, lovely tone, \$170. Call Carl at x4248 or 708-968-7771.

## ■ REAL ESTATE

Apt. sublet, 9 months w/option to assume lease, 1 BR, \$559/month, Lorlyn of Batavia Apts., 10 min. from Lab, close to 24 hr. grocery. Call Brian at x3721 or 708-406-7961.

Needed: 2 rms. to rent for teachers in summer research at Lab, short-term, prefer near Lab. 1 rm. for female from June 18-July 2; 1 rm. for male from June 25-July 2. Compensation of \$125/week avail. Call K. Ciesmier at x3007.

1 BR loft apt. for rent, 10 min. from Lab, heat & hot water incld., \$540/month. Call 708-293-3358.

and enrolled in graduate school. If your children do not have group medical and dental coverage elsewhere, they can elect to continue on the Laboratory's plans. There is a time limit on the election period. Please call the Benefits Office at x4362 or x4361 for details and election forms.

The deadline for the  
Fri., May 19, 1995 issue  
is Wed., May 10.

Please send your article  
submissions or ideas to  
the Publications Office.

