



Hold that tiger

Last year, Secretary of the Department of Energy, Admiral Watkins announced a 10 point initiative designed to "chart a new course for the Department toward full accountability in the areas of environment, safety and health." One of the 10 initiatives is to conduct extensive assessments of all DOE facilities in a program called Tiger Team Assessments. According to Director John Peoples, "These are intense appraisals by a large group of experts in environment, safety and health disciplines, quality assurance and management." The Fermilab Tiger Team Assessment is expected to be scheduled late this year or early next year.

Fermilab prepares for the arrival of the Tiger Team

Fermilab will prepare for this assessment with a thorough and objective self appraisal. John Peoples asked Deputy Director Ken Stanfield to organize and conduct the internal assessment. In order to do this, Ken has enlisted the help of several Lab employees who will serve on an Internal Assessment Group. Ken will chair this group and Hugh Montgomery will serve as Vice Chairman.

Conducting an Internal assessment

During August and September, the Internal Assessment Group will conduct a review. Each group member will serve on one of six teams responsible for the review of one or two organizational units of the Lab. Each team will have a leader who will report regularly to the chairman as a member of a steering committee. This committee will monitor the progress of the assessment.

Because of specialized areas of expertise needed for assessment in some technical safety disciplines, the Laboratory will use independent consultants to conduct comprehensive appraisals regarding compliance in the areas of Occupational Health and Safety Administration (OSHA), fire



protection/Life Safety Code and environmental protection. According to Ken Stanfield, "These efforts will include extensive 'inspections' pertinent to those topics. The teams comprising the Internal Assessment Group can thus proceed with their reviews with the knowledge that these technical appraisals are being arranged."

Members of the Internal Assessment Teams

Team one is comprised of Hans Jöstlein (leader), Kurt Kasules, Romesh Sood and Robert Trendler. This team will assess the Accelerator Division.

Team two members are Peter Mazur and John Crawford (co-leaders), Michael Harrison and Dan Wolff. This team will review the Research Division.

Team three will be looking at both the Business Services Section and Construction Engineering Services. Its team members are Frank Nezrick (leader), Vernon Cupps and John Grimson.

Team four will assess both the Technical Support Section and the Physics Section. The team members are Dave Ritchie (leader), Linda Even and Ron Davis.

Karen Kephart (leader), Jay Hoffman and Dixon Bogert make up team five. They will be overseeing the assessment of both the Safety Section and Laboratory Services.

Team six members are David Carlson (leader), Armand Bianchi and Fred Ullrich. They will review the Computing Division.

When conducting their assessments, the teams are to review the following subject areas: environmental protection; emergency preparedness; health physics; industrial hygiene; industrial safety; quality assurance; environmental protection, health and safety;

Continued on page 5

Fermilab employees receive energy conservation awards

Seven Fermilab employees received a total of \$15,400 for energy conservation suggestions which once implemented will save the Laboratory an estimated \$560,500. Over the past nine years, several millions of dollars in funding have been approved by the Department of Energy for Fermilab's in-house energy management retrofit projects. Four of the FY1992 retrofit submissions to DOE have resulted from suggestions to the Lab's Employee Energy Conservation Awards Program (EECAP).

This year, EECAP winners were honored at luncheon held in 1 West on August 21. Associate Director for Technology Dennis Theriot presented the awards. Also attending the luncheon were Director John Peoples; Andrew Mravca, DOE Batavia Area Office Manager; Ado Adami, DOE Chicago Operations Office Energy Management Coordinator; Bill Riches, Fermilab Energy Management Coordinator; members of the EECAP committee; and the awardees' supervisors.

The latest EECAP winners are:

Jack Mills (Fac. Engineering) received a \$300 cash award for his suggestion to shut off the 7 1/2 horse power motor and blower supplying aeration to the Village oxidation pond since it is no longer used for sewage treatment. Village sewage is now being piped to Warrenville. The projected cost savings of Jack's suggestion is \$3,000 per year.

Pete Loomis (former Wilson Hall Building Manager) received a \$1,200 cash award for his suggestion to replace approximately one thousand 67 watt incandescent lamps in Wilson Hall with 13 watt fluorescent reflector fixtures which will produce the same lighting level. This project has been submitted to DOE for FY 1992 retrofit funding. The projected net cost savings of this project is \$13,800 per year.

Dick Graff (Fac. Operations) received a total of \$2,300 for two suggestions. He suggested that Village Lab 7 provide lighting controls for night and weekend turn-off of building lighting. He also suggested that forty-six 1,000



Attending the awards luncheon were:
(Back l to r) Dennis Theriot, Dick Graff, Fred Rittgarn, Andy Mravca, Ado Adami, Chuck Anderson, and John Peoples.
(Front l to r) Kenneth Kittleson, Jack Mills and Romesh Sood

watt mercury vapor fixtures be removed from the Meson Detector Building and the remaining 42 fixtures be retrofitted with 1,000 watt metal halide lamps. The total cost savings of Dick's suggestions is \$27,000 annually. Since payback is 5.4 months for Lab 7 and 8.5 months for the Meson Detector Building, retrofits will be accomplished with operating funds which would have otherwise been paid to the electric utility.

Chuck Anderson (Fac. Management) received a \$2,060 award for his suggestion to gradually replace sitewide more than 1,100 incandescent illuminated exit signs with light emitting diode (LED) type exit signs with a lamp life of 80 years. In addition to an energy savings of 7 watts per fixture, no further future lamp costs or relamping labor costs will be necessary. This project has been submitted to DOE for FY 1992 retrofit funding. The net cost savings of Chucks suggestion is \$35,200 per year.

Fred Rittgarn (RD) received \$2,110 for his suggestion to install a lighting control system to turn off the lights in underground tunnels and enclosures when beam is on and no one is in the

underground areas. The cost savings of his suggestion is \$37,000 per year. Since payback for Fred's suggestion is 4.6 months, the retrofit will be accomplished with operating funds.

Ken Kittleson (Fac. Operations) received \$2,430 for his suggestion to delamp sitewide fifty percent of the 2 ft. by 4 ft. (4) lamp fluorescent lighting fixtures and to install high efficiency silver reflectors to produce almost the same lighting level. This project has been submitted to DOE for FY 1992 retrofit funding. Net cost savings will be \$51,500.

Romesh Sood (RD) received the maximum cash award of \$5,000 for his suggestion to install automatic controls in

all three beam lines to reduce the ramping magnets to zero current during no-beam conditions rather than to continue to ramp at normal power levels. This suggestion has already been implemented at minimal cost during the last Fixed Target run. The net cost savings of Romesh's suggestion is \$378,000 per year.

All award recipients received a congratulatory letter from John Peoples who stated, "Cumulatively, suggestions such as these can result in major energy cost savings for the Laboratory, therefore supporting its mission by helping to produce more physics per operating dollar expended."

Other employee energy-conservation suggestions are still being evaluated for potential cash awards to be presented at the next awards luncheon to be held in January. Suggestion forms may be obtained from Phyllis Hook, WH4 Crossover, x4637. —Bill Riches
EECAP continued on page 3

EECAP continued

Award winner Romesh Sood made the following comments upon acceptance of his EECAP award:

In accepting the Energy Conservation Award, I would like to recognize those individuals who played key roles in the implementation process. **Mike Kuplic** (RD) did the testing, **Bob Trendler** (RD), **Paul Czarapata** (RD), **Age Visser** (RD), **Joe Pathiyil** (RD) did the reviewing, and **Wally Kissel** (AD), **Dan Johnson** (AD) and the **Operations Group** were responsible for implementing this suggestion.

I was impressed with the speed and efficiency demonstrated by management in putting this Energy Conservation Plan into action. The plan was submitted to **Greg Bock** (RD) on Nov. 28, 1989. Greg not only set the system in motion for the Research Division review, but he also forwarded the proposal to the Division Head and the Directorate.

Quality Corner

Helping management to recognize that they must be personally committed to participating in the program raises the level of visibility for quality and ensures everyone's cooperation so long as there is some progress.

The following suggestion regarding technical specification of stockroom items was received by the QA Office. Dave Carlson and Frank Cesarano (Support Services) prepared these comments regarding the feasibility of the suggestion.

Suggestion: "...collect a file paralleling the stockroom catalog, with a reference to technical specs. The Procurement Agent could simply pull the appropriate spec directly onto the PO for vendor conformity in reordering ...ideal job for a summer student."

Response: The stock catalog to which I believe was referred resides on the VAX computer system. Neither Stockroom management nor the Purchas-

Promptly, **Denis Theriot** (DO) forwarded the document to **Bill Riches** for independent review and action. Bill Riches contacted me immediately and asked a lot of questions. He stressed his desire to implement the plan upon approval by the start of the FY90 Fixed Target run. In order to do this,

Bill requested an early meeting of the Energy Conservation Award Committee for review of this proposal.

It was truly the efforts of many people at the Laboratory who made this kind of dollar savings and energy conservation possible. The actual monetary savings will exceed the original projected amount. One must also think of



Romesh Sood, who received the maximum cash award from EECAP is congratulated by Director John Peoples, and his wife, Alka Sood.

the indirect savings and the boost to the efficiency that we have realized by keeping approximately 7,500 mega watts of heat load out of our cooling systems.

Energy Conservation is an on going objective that has been a part of us at Fermilab in the past and should continue to be so in the future. —*Romesh Sood*

ing Department have modifying or programming access to that catalog. The Integrated Stores System (ISS), our current stockroom inventory system, resides on the IBM mainframe and is not an on-line system. The programs that run the ISS are over 20 years old. If the file you refer to was put into the inventory system, it would benefit the stockroom and Purchasing, but based on the age of the system it is doubtful whether this is feasible.

I think the suggested project is not as simple as one might believe. Compiling the specifications for over 7,500 stock items is not a small job. Approximately 6 million dollars worth of stock items are purchased each year. We do not think it prudent to use specifications compiled, reviewed or written by a summer student to buy this much material without proper technical and management review. Specifications for stock items require careful consideration with great emphasis on quality control.

Due to this suggestion, discussions are underway regarding the establishment of a Stockroom Advisory Committee to replace the function of the recently abolished Engineering Standards Committee with regard to inventory matters. It is expected that this committee will perform a quality assurance function and should participate in review and development of specifications.

It may be that as our computer systems develop, the suggestion to put specifications on-line will become realistic. At this time, however, due to the constraints of our systems and staff, we do not believe that any substantial effort can be directed toward this goal.

If you have a suggestion on how to improve the quality, efficiency, reliability or effectiveness of a Laboratory service or operation, please send it to Mark Bodnarczuk, MS 200 or BITNET Bodnarczuk@FNAL.

Applause Applause Applause



Ray Yarema (RD/EE Dept) is motor-ing to work in style in a new 1990 Ford Mustang convertible, won in the NBC Beat The Pro Tournament on September 5. His love of golf and his yearly donation to this charity event finally put him on the green.

This tournament is sponsored by NBC. During the tournament, a group of

golfers compete each week against a nationally recognized sports celebrity. The contestant makes a donation which entitles him/her to hit one golf ball in an attempt to come closest to the flag. The first round lasts ten weeks with cash prizes to the ten weekly winners. Competing against each other, the ten winners of the weekly contests have a one-shot attempt at a difficult hole to win one of 5 major prizes in the NBC Beat the Pro Tournament.

Ray hit his first ball in the tenth week of the competition on September 1 at

the Village Links course in Glen Ellyn competing with approximately 100 other golfers matched against Bobby Thigpen, White Sox Pitcher. He won this contest which entitled him to a cash prize and the chance to compete against the other nine weekly winners.

The ten final contestants competed in a shoot out on September 5 at Kemper Lakes, a top professional course, near Long Grove. Each of the ten contestants had one shot on the 17th hole, a challenging hole over water. Ray used a 7 iron on a 162 yard shot plunking the ball 15 feet from the hole winning the first prize, a 1990 Ford Mustang convertible. The September 5 event, which included the winning shot and an interview with Ray, was taped by NBC as a sports special which aired on Thursday, September 13 at 6:30 p.m. Congratulations!—*Stephanie Novack*

Stephanie Novack

Prairie harvest plans

The 1990 harvest schedule for the restored prairie is as follows:

September 29 and October 27 at the unprotected prairies in Markham, IL. Participants will meet at 10:00 a.m. at the McDonald's restaurant on 159th Street, two blocks west of Kedzie Avenue. For those needing transportation, a van will leave Wilson Hall promptly at 9:00 a.m. Lunch may be purchased at McDonald's. Harvesting will continue until 3:00 p.m.

September 30 and October 28 from 9:00 a.m. to 3:00 p.m. at the main portion of the Fermilab prairie which is located in the center of the accelerator ring. Come to the intersection of Batavia Road and Eola Road and follow the posted signs. Bring your own lunch or purchase one at the Fermilab cafeteria.

Volunteers are welcome to spend as little or as much time as they

wish on the appointed days. No previous experience is necessary. It is suggested that participants wear field clothing and gloves. In addition, it would be helpful to bring pruning shears or plant clippers.

Coffee and donuts will be provided on all harvest days.

More information is available from the Public Information Office, x3351. Also, please call if you need to reserve space on the van or plan to bring a group of more than eight.

According to Mitchell Adamus, the coordinator of volunteers for the Fermilab Prairie Committee, "The newly developing prairie plots are responding dramatically to the end of the drought. The plots along Pine Street have grasses and forbs blooming in numbers never before seen! In order to achieve an even truer prairie aspect, these plots now need continued enrichment from hand-harvested seeds."—*Barb Lach*

Milestones

Congratulations to Michelle and **Hector Machado** (CDF) on the birth of their first child, Matthew Lee on September 10, 1990 at 8:20 a.m. Matthew weighed 8 lbs. 9 ozs. and was 21 in. long.

Cla\$\$ified Ad\$

Miscellaneous:

1976 Argosy 26 ft. Camping Trailer, asking \$2,500. **Dog Run**, 6 ft. cyclone with gate, 10 ft. x 14 ft., asking \$75. Call Bob Pucci at x2817 or 708-904-0035 after 5 p.m.

Motorized Vehicles:

1983 Chevy Blazer K-5, 4 W.D., Silverado pkg., auto., A/C, am/fm cass., 65,000 mi., clean cond., \$6,500 o.b.o. Call 466-7109.

The annual Nalrec Appreciation Dinner held Friday, Sept. 7 was a wonderful affair. Awards were given to several Nalrec members, who have donated many years of service to improve the social and cultural activities of their fellow employees. We made light of the awards that evening, but sincere congratulations to: **Jesse Guerra** (Physics Section) for 15 years of service; **Rose Callaghan** (AD/EE Support), **Bob Lootens** (BS/Roads & Grounds) and **Dominick Carullo** (TS/Engineering) for 10 years and **Gary Smith** (RD/Mech. Dept.) for 5 years. Special awards for service "above the call of duty" went to **Alma Karas** (BS/Contracts) for her fabulous job of scheduling our events and **Connie Kania** (Directorate) for excellent front desk sales. Without the dedicated service of these special people, Nalrec would not be the quality organization it is now. Thank you from all of us.

The September Social held Friday, September 14 was well attended and well received. Good job, John! Those door prizes were great even though I still have not won one. I'll keep on trying.

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

50's / 60's Party - **October 12** - Mike Urso, Chair
Children's Halloween - **October 27** - Sherry Thill, Chair
Turkey Party - **November 16** - Dominick Carullo, Chair
Children's Christmas Party - **December 9** - John Satti, Chair
Formal Christmas Dance - **December 15** - Trudy Kramer, Chair
Employee Christmas Party - **December 21** - Nalrec Board Chairs

We hope you will plan your social calendars around our parties. The parties are planned in advance hoping to see as many of you as possible at these functions.

Please take advantage of the terrific jackets, caps, mugs, vases, frisbees and other Nalrec items for sale at the front desk in the Atrium. We are presently out of our great T-shirts but we have re-ordered and they will be in stock again in a few weeks.

Make today a great day!—*Trudy Kramer*

1991 Gym Memberships

New 1991 gym memberships will be going on sale October 1. Memberships are \$35, student memberships are \$20. These may be purchased in the Activities Office, WH1E, Monday through Friday. Old memberships will no longer be in the system beginning November 1. 1991 gym memberships are required prior to participating in the following classes/leagues. All persons interested in participating should contact Jean Guyer at x3126.

Aerobics

Low Impact Aerobics classes will begin October 8. Classes are held in the exercise room on Monday, Wednesday and Thursday from 5:30 to 6:30 p.m. Cost per class is \$1 payable to the instructor at the time of class. Class size is limited.

Volleyball

The Winter Refereed Volleyball League will begin on October 22. Games are held on Monday nights at the Fermilab Gymnasium. Rosters are available through the Recreation Office. Rosters will be accepted until October 16.

Basketball

The Winter Basketball League will begin play on October 25. Games are held on Thursday nights in the gymnasium. Rosters will be accepted until October 15.

Tiger Team continued

work procedures and their documentation; conduct of operations; management of safety; management of operations; and safety training.

The methods to be used by the Internal Assessment Group members to conduct this assessment are: interviews with division/section management and safety personnel; reviews of written policies pertinent to the division/section; interviews with employees at all levels to verify cognizance of and adherence to policies; review of records; inspection of areas; and review of results of past internal audits and DOE appraisals.

After these areas are reviewed the teams are to identify concerns and propose a priority rating for each finding. On October 15, the Internal Assessment Group will submit a written report of their findings to the Director. This report will be made available to the DOE Tiger Team.

Employee hotline established

To assist the Internal Assessment Group in their review and to help the Laboratory to prepare for the arrival of the Tiger Team, an employee hotline has been established. All employees and users who have suggestions, concerns or questions regarding health, safety or environmental issues are en-

couraged to call the hotline. All calls will be kept strictly confidential. **The hotline number is x8447 (TIGR).**

"At Fermilab," says Director John Peoples, "we have long held that the most effective way to manage environmental, safety and health activities is through the line organizations. I ask that each of you, employees and users, renew your individual efforts to respect the environment and help to provide a safe and healthy work place. Only in this way will we ultimately achieve our goal of keeping Fermilab at the forefront of elementary particle physics."

The Art Series Presents

CHOREOGRAPHERS' SHOWCASE

Saturday, October 13, 1990, at 8:00 p.m.

You liked it, missed it, and let us know about it! Returning to the Fermilab Arts Series by popular demand is the **Choreographers' Showcase** on Saturday, October 13, 1990, at 8:00 p.m. in Fermilab's Ramsey Auditorium. Join dancers from **Akasha Dance Company, Ballet Chicago, Joseph Holmes Chicago Dance Theatre** and the **Lynda Martha Dance Company** for a sampling of graceful ballet, exotic jazz, sleek modern and electric ethnic dance presented in one glorious evening.

With its name meaning "spirit leaping forth," Akasha Dance Company members, under the artistic direction of Laura Wade, evoke the essence of their name when performing *Vastus*

Sylva (meaning "great forest"). Former Pilobolus member Austin Hartel choreographed this fanciful, comedic piece concerning the environment specifically for Akasha. Ballet Chicago, a veritable phoenix among Chicago dance companies, has proven itself a strong classical company under the masterful eye of Artistic Director, Daniel Duell. Dancers from Ballet Chicago perform *Pas Vivace*, choreography of Daniel Duell, and *By Django*, a work by the company's resident choreographer, Gordon Peirce Schmidt.

The Joseph Holmes Chicago Dance Theatre with Randy Duncan as Artistic Director, is known for its passionate, vibrant dancing as well as superb technique. Lead dancer Winifred Haun, nominated for the "outstanding dancer of the year" Ruth Page Award, is featured in a solo performance of Randy Duncan's *Love Not Me*. She joins the entire Joseph Holmes Chicago Dance Theatre troupe in the poignant

Turning Tides, choreographed by Randy Duncan as a tribute to Joseph Holmes. Lynda Martha is one of Chicago's nationally-recognized choreographers and dance masters. The Lynda Martha Dance Company struts its stuff to music of Astor Piazzolla and Thomas Oboe Lee in *Almost a Tango* with its jazzy look and appeal. The company also performs Lynda Martha's choreographic study, *Elements*.

This invitation to the dance is hard to resist: four of Chicago's finest dance companies appearing in one evening for a bargain \$9 admission! Tickets are not refundable. For further information or phone reservations, call 708-840-ARTS weekdays between 10:00 a.m. and 4:00 p.m.—*Tammy Kikta*

New Stockroom Items

1780-0575 Tape Cartridge, EDP, for Sun and other workstations. 3M P/N DC6150, 1/4 in. x 600 ft. long.

1320-1455 Paper, plotter, vellum, Sharplines 325S or equal, oversize C, 18 x 24 in., 100 sheets per pkg.

1320-1450 Paper, plotter, vellum, Sharplines 325S or equal, C size, 17 x 22 in., 100 sheets per pkg.

1315-0337 Paper, electrographic, for Versatec V80 Printer/Plotters, Versatec P/N 4011-R, 11 in. wide x 500 ft. long, 2 rolls per carton.

1307-0575 Manual, computer operations, UNIX for VMS users, DEC P/N EY-C177E-DP.

1246-5810 Wrench Set, balldriver, for Allen type socket head screws, w/ plastic handles, Bondhus P/N BSX13, 13 drivers per set, .050 thru 3/8 in.

1246-2475 Blade, replacement, for X-Acto Knives No. 3201 and 3203, X-Acto blade no. 17, 5 blades per pkg.

FermiNews is published by the Fermilab Publications Office, MS 107, P.O. Box 500, Batavia, IL 60510
708-840-3278

FNAL::TECHPUBS

Editor: C. Crego

Assist. Editor: S. Novack

Circulation: S. Hanson

Photography: Visual Media Services

Fermilab is operated by University Research Association, Inc. under contract with the U.S. Department of Energy.

FermiNews is printed on paper stock containing at least 50 percent recycled materials. After reading, it is acceptable in the white office paper recycling boxes located in Wilson Hall.

The deadline for the Friday, October 5 *FermiNews* is Wednesday, September 26. Please send your article submissions or ideas to the Publications Office.

Tornado Assistance Loan

Argonne Credit Union has a Tornado Assistance Loan available at 7.5% interest. For further information contact the Credit Union at x3293.

Harper's Index

Percentage of male farmers in Iowa who own a pair of bib overalls: **41**

Chances that an American "always feels rushed": **1 in 3**