

Ferminews

FERMI NATIONAL ACCELERATOR LABORATORY

Quality improvement initiative tops DOE list

In a nationwide broadcast via satellite to DOE employees and contractors, Secretary of Energy Hazel O'Leary urged employees to "help me change the way we do business in the department."

She then outlined at the "town meeting" titled *Managing Today for Tomorrow's Success* how quality management and a quality culture will be used throughout DOE and its facilities "to achieve our new priorities." "We have changed our priorities to focus on the future," Secretary O'Leary said.

To provide leadership for the secretary's quality initiative program she has formed two new groups, the Leadership Group and the Quality Council.

The Leadership Group has been chartered to champion the quality effort throughout the Department of Energy. Its objective is to serve as the "Board of Directors" responsible to lead the Department's quality initiative. The Secretary of Energy is the chairperson of the Leadership Group.

The Quality Council is a diverse group. Its membership is made up of employees at all levels from across the department and the national laboratories. Members will rotate to ensure full representation of all programs and field elements.

The Leadership Group and the Quality Council will work closely together to help facilitate the implementation of quality throughout DOE and all its elements.

Bruce Chrisman, Fermilab's Associate Director for Administration, serves on the Quality Council as the chairperson of the 3-Point Program Committee which is comprised of laboratory representatives. "This initiative is high on the secretary's agenda," said Bruce. "The Council meets six days every month and the secretary plans to attend council meetings when her schedule permits."

The secretary's Quality Council is tasked to set the direction and the approach of the department's quality initiative. During its first three-day meeting, the council was provided with Total Quality Management Awareness Training as well as training in group dynamics and team building skills.

At the first meeting the council outlined its tasks and work groups were formed. The group held its second meeting August 4-6. "People can expect to see the techniques of Total Quality Management introduced throughout the DOE complex and the national laboratories, of which Fermilab is a part," said Bruce.

The council's specific responsibilities include:

- Incorporation of the department's vision and core values in the quality implementation process, and model the core values in all aspects of our work.
- Serve as advisors to the Leadership Group and make recommendations.
- Development of the department's quality implementation strategy and plan, and definition of the department's approach towards the development of a quality culture.
- Ensure that data from metric is incorporated into the development and implementation plan.
- Development of a knowledge base in quality principles by studying current thought and literature addressing quality, empowerment and process improvement, and facilitating cross-organizational exchanges of quality opportunities, ideas and implementation approaches.
- Development of a framework for training.
- Provide counsel to DOE organizations that have initiated quality implementation activities.
- Facilitate the development of performance measures and benchmarks.
- Charter teams to address DOE's quality improvement infrastructures for training, planning communication and others as needed.

DOE Core Values

1. We are customer-oriented.
2. People are our most important resource.
3. Creativity and innovation.
4. We are committed to excellence.
5. DOE works as a team and advocates teamwork.
6. We respect the environment.
7. Leadership, empowerment and accountability are essential.
8. We pursue the highest standards of ethical behavior.

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

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DOE to renegotiate URA SSC Contract

Over the last two weeks you may have read and heard a great deal about the relationship between DOE and URA. The following is a press release issued by DOE and selected quotes addressing the situation.

Secretary of Energy Hazel O'Leary announced on August 4 steps to correct management deficiencies at the Superconducting Super Collider Laboratory. The department will select a new contractor with established experience in large-scale construction projects to manage most aspects of SSC construction, including establishing all necessary project management and control systems. The current contractor, Universities Research Association, will continue to manage the design and scientific aspects of the project and will operate the facility as it is completed.

"The scientific potential of the SSC is so important to our nation, our economy and future generations that the project cannot afford anything less than the best possible project management and financial systems expertise," Secretary O'Leary said.

Describing the SSC as "a marriage of world-class science and world-class construction," Secretary O'Leary explained the planned management changes as "necessary steps for successful execution of this historic project."

"Our goal is to establish a new management team, comprised of two contractors who have the vital complementary strengths needed for this project." Under this approach, URA remains as the "design/operate" contractor. As such, URA will oversee the scientific aspects of the project, including research, scientific design commissioning of the accelerator and scientific research equipment, and operations of the facility when complete. The new contractor will be responsible for the project management and control system, business systems, managing existing major subcontracts (including for conventional construction, magnet production and installation) and compli-



New in the Library

Standard Model at the Energy of Present and Future Accelerators (the 1989 Budapest Workshop). F. Csikor, G. Pocsik, E. Toth, editors. New York: Nova Sci., c1992. QC794.6.S75 S72 1992, locked cases.

The Theory of Quark and Gluon Interactions. F.J. Yndurain. Berlin: Springer, c1993. QC793.5.Q2528 Y58 1993, locked cases.

Advances of Accelerator Physics and Technologies. Herwig Schopper, editor. Singapore: World Scientific, c1993. QC787.P3 A38 1993, locked cases.

Probability and Statistics in Experimental Physics. Byron P. Roe. New York: Springer, c1992. QC33.R59 1992, main.

Cooling Techniques for Electronic Equipment. Dave S. Steinberg. 2nd ed. New York: Wiley, c1991. TK7870.25 .S73 1991, locked cases.

Time Reversal: the Arthur Rich Memorial Symposium, Ann Arbor, MI 1991. New York: AIP, c1993. QC173.59.T53 T5 1993, main.

ance with small- and minority-business requirements.

The department will renegotiate its current contract with URA to reflect these changes in roles and responsibilities and will also include new contract provisions aimed at better assessing contractor performance against a set of measurable standards. The contract will be modified to expire in 1996 instead of 1997, so that a decision on whether to extend the contract or open it to competition can be made sooner than planned, but after a period of operation under the modified contract.

These steps came after a 30-day review by DOE of contractual options including: terminating the existing URA contract; renegotiating the contract in order to strengthen the

Transparencies

Workshop on B Physics at Hadron Accelerators, Snowmass, Colorado, June 21 - July 2, 1993. Office Information Technology Conference, July 13-15, 1993 [Oak Ridge, Tenn.] Both in Transparencies Reference.

Correction: The title "Feynman, Remembered" listed in last month's column was incorrect. The title should have read "Most of the Good Stuff." This column carried the prepublication title of that book which changed when it was printed.

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.

Preprints

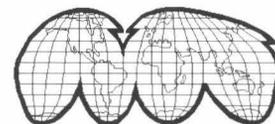
To get a list of the most recent preprints, use the catalog's "Search Mode." Search by the latest Tuesday, e.g.: FIND PREPRINT AND CATALOGED 17-AUG-1993.

department's policy and oversight role in the program; and breaking the scope of project work into two contracts, one for the design and scientific work, another for conventional construction. The options were considered to address concerns about laboratory management attitude and culture, laboratory management systems and controls and URA corporate oversight of SSC Laboratory operations.

URA was formed in June 1965 by 34 research universities to provide a nationally-based organization to manage Fermilab. "URA is now composed of some 80 members and associate members, and continues to manage and operate Fermilab very successfully for the Energy Department," said Secretary O'Leary.

special section. . .special section. . .special section. . .special section

FESS ... UP



The confessions of a section seeking world class

Work Request Center • Telephone x3434 • Fax x8769 • Mail Station 300

From the section head...

Customer Service, a key ingredient of World Class.

We have begun the journey towards our World Class goal with many milestones along the way, but none as important and critical to our success as *customer service*. So, what is it? My definition is, whatever enhances customer satisfaction. Taking this a little further, William Davidow defines satisfaction "...or lack of it, as the difference between how a customer expects to be treated and how he or she perceives being treated." As a section we are committed to reducing this difference by reaching agreement with our customers as to their requirements and meeting those requirements all of the time. We plan to measure and communicate our progress. In the near future we will be sending out a questionnaire asking for comments on service. Your answers will guide us in determining what is important to you, and that's what we will measure.

—David Nevin, deputy head FESS



On the drawing board...

Design of oil containment for the Tevatron power transformers at B3 and C2 will serve as a prototype for similar projects around the ring.

In progress...

- Wilson Hall ground floor toilet remodeling is complete, and the facilities were made available for recent activities in the Auditorium.
- Modifications are being made to the Antiproton Target Hall during the current shutdown. These improvements will allow safe operation of new "heavy" targets during future runs.
- Shutdown work continues in the Accelerator area with emphasis on maintaining schedules.
- Wilson Hall mezzanine project status: lower level to be carpeted and occupied by October 30.

Main Injector update...

Construction documents for the Main Injector ring enclosures (tunnel) are nearing completion.

At your service...

Domestic (potable) water connections - please note that any modifications and hook up of devices to the water system requires a permit through FESS. It is reviewed in accordance with our backflow device program. This program is meant to protect Fermilab personnel from any possible contamination of our potable water supplies. We can provide any help through FESS/O&M by contacting A. (Chip) Kee at x3468 or Denis Bowron at x4664.

Better for you...

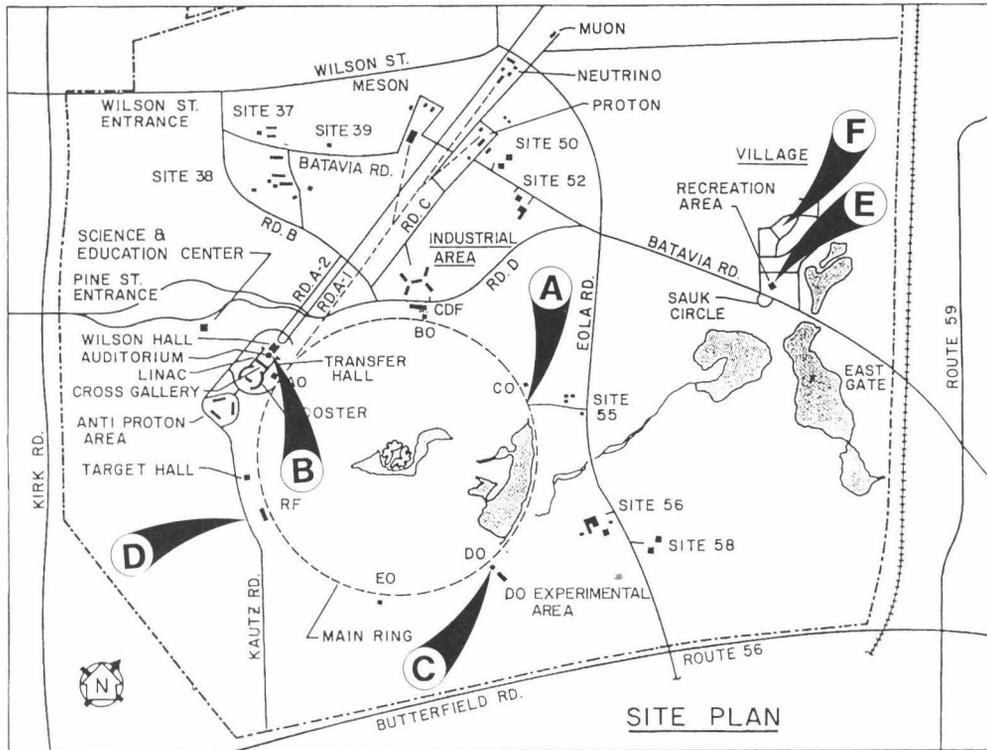
Work crews from Fermilab's Road & Grounds group and EJ&E completed the paving and repair work on the railroad crossing at the Batavia Road East Gate entrance. Timbers were replaced in the trackbed and the area was repaved resulting in a much smoother crossing.

Office lighting and you!...

FESS recently installed experimental lighting fixtures at Wilson Hall, 5th Floor East. Come see the seven fluorescent-fixture arrangements and participate in an opinion poll. Compare the latest in fluorescent lighting technology. Fermilab will soon be embarking on a program of retrofitting fluorescent lamp fixtures on a site-wide basis, and we want your opinion on what will best fit your lighting needs. See Tina Stahmer (WH5E) for a survey form. We need your input.

FESS summer/fall projects update

Fermilab Facility Facts: *There are 100 miles of 13.8 KV distribution cables in service sitewide.*



A. August and September

Relocation of the Road E crossing over the Main Ring berm.

B. August

Remodeling is underway on the Wilson Hall first floor toilet rooms to improve accessibility for individuals with disabilities.

C. August and September

Construction of new parking areas, utilities and installation of office trailers at DØ.

D. August, September and October

Access to the Main Injector construction site is restricted. Proper Personal Protective Equipment must be worn. Contact Ron Fouch x4452 or Bob Vanecek x4621 if access is required.

E. August

Repair work on ladies' shower room at Village gym.

F. August

Installation of aluminum soffit and fascia on Technical Support houses adjacent to Lab 5.

Lab to host Affiliates Meeting

The thirteenth annual Fermilab Industrial Affiliates Meeting and Industrial Briefing will be held Thursday, September 9 and Friday, September 10. The purpose of these meetings is to improve communications between industry and the university/national laboratory research sector. Every year the Fermilab Industrial Affiliates hold a meeting to review developments at the Laboratory and to address a topic in the broader scientific/technical community that may be of interest to industry.

This year the theme of the meeting will be "Beyond the Cold War: The Changing Arena of Science." Changes occurring in science research patterns have been emerging over the past decade. These have been brought into sharper focus by the ending of the cold war. The Affiliates meeting will examine what these changes are, what the forces behind these changes are and where they are leading us.

Professor Roald Sagdeev, previous director of the Institute of Space Research in the former Soviet Union and currently a professor at the University of Maryland, will open the

meeting, speaking on *Changes in Science: East and West*. Also speaking on Thursday will be Dr. Richard Slansky, Theoretical Division leader of Los Alamos National Laboratory. Slansky will talk about *Changes in Science: An Example*. Dr. Leon Lederman will speak on *Global Science: The Universe and Batavia* at the Thursday evening banquet.

Friday morning will feature Lewis Franklin, formerly with TRW Space and Defense Sector and currently a visiting scholar at the Stanford Center for International Security and Arms Control, speaking on *Industry and Science*. Also on Friday, **Joseph Lach** (RD), general chairperson of the meeting, will chair a panel discussion and extensive question and answer period featuring all of the speakers.

In addition to the formal program, there will be tours of Fermilab facilities and opportunities to visit with Fermilab staff members to discuss new technology developments.

For further information about the FIA meeting contact the Office of Research and Technology Application at x3333.

Drill prepares Lab for emergencies

Did you notice the unusual degree of activity the morning of Thursday, July 15? Fire truck sirens? Roads blocked off? Lots of traffic into and out of the Communications Center? If so, then you were catching a glimpse of the sitewide Emergency Exercise.

The Office of Emergency Planning choreographed and directed the exercise with the help of many individuals throughout the Laboratory. The purpose of such an exercise is to test the individual components of the Emergency Management System, train the Emergency Response Organization and test the communication and coordination between different ERO participants. In addition, DOE orders require facilities such as Fermilab to conduct an annual sitewide emergency exercise or drill to prepare the Laboratory to deal with potential emergencies. The extensive evaluation/critique of the July exercise will identify our strengths and weaknesses. The Continued on page 8

Arts Series "gospel"

"It's the vocal virtuosity crackling throughout that makes this recording such a find. From the angelic heights of Samuel H. McCrary's tenor to Isaac Freeman's bullfrog bass, these singers have been blessed with a sound that must be heard to be believed."
—*Musician.*

Hear for yourself the influential, traditional gospel music of the Fairfield Four as they perform along with the Gospel Harmonettes of Demopolis, Alabama at Fermilab's Ramsey Auditorium on Saturday, August 21 at 8 p.m.

There have been many great gospel singing groups to come out of the South throughout the last 100 years, but probably none has been as influential as the Fairfield Four. In 1942 national recognition came to this young group when they won a promotional contest that offered an appearance on Nashville's WLAC. This radio broadcast proved so popular that for 10 years, five days a week, the group remained on the air. Their show was also picked up by CBS, taking the music of the Fairfield Four into homes across the country. Today, two of those same members of the group remain in the Fairfield Four.

Chair show coming to lab

An Ergonomic Chair Show will be held August 23-27 from 8:30 a.m. to 4:30 p.m. on WH2SW for all employees.

See a display of chairs designed to make your "achy breaky" back feel good again. Vendors representing several manufacturers of state-of-the-art technology in chair and workstation design will have chairs on display for your personal evaluation.

Supervisor approval is needed to attend the show during working hours.

Harper's Index

Membership of Philadelphia's Silent Meeting Club, at whose gatherings talking is forbidden: 80.

The quintet has twice been honored by Carnegie Hall, appeared numerous times at the New Orleans Jazz and Heritage Festival, performed at the Smithsonian Institution's Festival of American Folklife and Lincoln Center's Folk and Heritage Festival. The Fairfield Four has reached a new young audience, in part by their recent CD recording *Standing in the Safety Zone* on Warner Brothers, and through their recent tour with Lyle Lovette. The group opened for him on his last tour and worked on his album *Joshua Judges Ruth*.

The Gospel Harmonettes of Demopolis, Alabama is an all women, a cappella quartet that has been creating exquisite harmonies together since 1974. Their style is a marriage of contrasting ingredients and impulses, a superior variety of essentially native folk artistry. The group allows spiritual inspiration free reign, not holding their emotions under willful control, yet their harmonic skill displays admirable evenness, uncommon balance of voices, and a deceptively casual mastery of synchronized attack and release.

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

Chez Leon menus

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

Wednesday, August 25

Ravioli with Fresh Tomato Sauce, Cornish Hens Provencale, Vegetable of the Season, Fresh Fruit Tarte

Thursday, August 26

Spinach Gruyere and Bacon Souffle, Sea Scallops with Pimento Sauce, Saffron Rice, Bibb Lettuce Salad with Gorgonzola Dressing, Profiteroles

Wednesday, September 1

Vichyssoise, Seafood Lasagna, Orange Cake with Gran Marnier Creme Anglaise

Thursday, September 2

Pasta Carbonara, Veal with Marsala Sauce, Vegetable of the Season, Mixed Green Salad Cappuccino Ice Cream

Barnstormers to hold bi-plane contest

The Fermilab Barnstormers Radio Control Model Club will host the 4th annual Anthony Frelø Memorial Bi-Plane Contest August 28 and 29. Everyone is invited.

This event includes two days of model biplane flying fun. Pilots of all skill levels are encouraged to participate, with separate events for novices flying trainers to scale models flown by experts. Guaranteed fun for all! Pilots must have Association of Model Aeronautics license. Spectators are welcome and refreshments will be available. Scheduled 1993 events include:

- Anthony Frelø Memorial 1/4 Scale Fun Fly, September 12, 1993
- Control Line Contest, October 3, 1993

For more information call Jay Hoffman, president x4156; Alan Hahn, contest director, x2987 or Jim Zagel, secretary x4076.

Movie schedule announced

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

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

September 10: *Who Framed Roger Rabbit?* Live action and dazzling animation are combined in this spoof about a down-and-out detective hired to clear a cartoon star of murder charges. Robert Zemeckis, dir. U.S., 1988 (103 min.).



Associate Director Dennis Theriot presented 20-year service awards to 39 Fermilab employees at a luncheon held June 11, 1993 at Chez Leon. The recipients were: (Row 1, l to r) Tom Kraus, Fred Randazzo, Gene Valdes, Walter Knopf, David Sachs, Marge Harvey, Thornton Murphy and Dennis Theriot. (Row 2, l to r) Jim Meadows, Mark Balkcom, Steve Slawniak, Earl Nordmeyer, Tom Wesson, Brian Kramper, David Huffman and Ron Miksa. (Row 3, l to r) Jim Prince, Wally Kissel, Rick Divelbiss, Mike Van Densen and Robert Jones. (Row 4, l to r) Jack Stahl, Gary Ross, Victor Martinez, Bob Gorge, Chuck Worel and David Austin. (Row 5, l to r) Led Jackson and Ed Pietras. (Row 6, l to r) Chuck Ankenbrandt, Cynthia M. Sazama, Morris Binkley and Nate Barnes Jr. (Not Pictured: John Carson, Herman Haggerty, Marvin Johnson, Paul Kurylo, Peter Limon, Casey Seino and Richard Worland.)

In memoriam

Carl W. Larsen, who served as the first public information director here at Fermilab, died July 31 in Poway, California at the age of 74. Carl was one of a small group who set



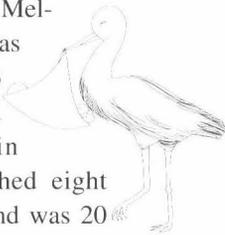
up offices in bungalows in the village of Weston in the spring of 1968. He left in September 1971 to become public affairs director of the Smithsonian Institution in Washington.

He came to Fermilab from the University of Chicago where he led the public affairs office for nearly 10 years. Previously, he served as executive assistant for public information at Argonne National Laboratory from 1957 to 1958. Before 1957, Carl was at various times an investigative reporter for the *Chicago Sun-Times*, managing editor in Europe of *Stars and Stripes*, a press attache and a correspondent for *Time* and *Sports Illustrated*.

Recently, Carl donated his professional papers to the University of Wyoming American Heritage Center where they will be part of a new set of archives of American history being assembled there.

Congratulations to

Elsa and **Emil Huedem** (FESS/E&P) on the birth of their daughter Melissa Clare. Melissa was born on August 6, 1993 at 1:40 p.m. at St. Francis Hospital in Evanston. She weighed eight pounds, six ounces and was 20 inches long. Melissa is the Huedem's first child.



Mark and **Kathy Graden** (ES&H) on the birth of their son, Matthew Wayne. Matthew was born at 11:05 a.m. on August 4, 1993 at Edward Hospital in Naperville. He weighed seven pounds, six ounces. Matthew is welcomed by his 18-month-old sister Sara.

Johns retires

The smiling face of **Ralph Johns**, a Fermilab employee in FESS/Operations and Maintenance, will next appear in the state of Florida. Ralph retired from the Laboratory on July 30, after 19 years of service. Ralph was an electrical foreman.



Tony Kanyok, head of O&M, said that "Ralph will be missed and was truly one of the best that could be counted on to respond to emergency calls in the middle of the night. His long experience and personality cannot be replaced and the Laboratory will miss him." **Dick Graff**, Ralph's supervisor, said that Ralph felt the "Lab was a fine place to work" and he enjoyed working with everyone.

Kramper sinks hole-in-one



Brian Kramper (RD/EE Controls) recently showed golfers how it is done as he sunk a hole-in-one at Pine Meadows Golf Course in Libertyville. Brian landed the perfect shot in the 5th hole during his game there on July 31.

Graduate student life full of challenges, changes

The life of a graduate student is very different from most other life-experiences (a fundamental truth any graduate student would be happy to expound upon). However, the experience at Fermilab may be especially unique for most young researchers.

For the graduate students who come to Fermilab from affiliated universities and colleges, the laboratory environment is usually very different from the purely academic world. Their work here takes them beyond the classroom and into the practical, complex realm of experimental research.

Graduate students typically come to Fermilab to work with experimental collaborations of which one member is that student's "home" university. They may come here only in the summer, or for alternating semesters, and continue to take coursework at their university. Eventually, however, they will work full-time with a collaboration, develop a thesis topic and contribute significant new research to the high-energy-physics field. The entire graduate process can continue six to eight years before a student receives a Ph.D. And then, of course, there is post-doctoral work to be done before achieving a permanent staff position.

Why do they do it?

Ray Hall does it because he loves physics. "It's exciting to be a part of a project that was just starting up, has performed well during its first run, and is now just getting ready to publish," he said. Ray works with the DØ collaboration in Ann Kernan's group. A student from University of California at Riverside, he has primarily worked on the muon detector arrays and the triggering systems for those detectors. Ray began working with DØ in the summer of 1988, where he started a project developing electronics for the muon detector triggering system, a project that would take several years. He explained that this project eventually became his major "service job" at DØ, a technical responsibility that most graduate students must take on during their research.

He is probably the only member of the DØ collaboration with a complete knowl-

edge of this particular part of the system. Typical for graduate work, he has recorded his expertise in procedural documentation to ensure the facts don't leave if Ray does, because DØ will probably continue long after Ray moves on. This is one of many aspects of graduate life that have dramatically changed over the years.

Gina Rameika (RD), like many physicists at Fermilab, did her graduate work here and then went on to join the Lab after receiving her degree. She has seen the graduate students' environment change over the past several years, as well as the students themselves. "The move towards bigger experiments and bigger collaborations has really changed the nature of graduate work," said Gina. When Gina worked with the hyperon experiment as a graduate student in 1979-80, fixed-target collaborations were small, often with less than 20 people in a group. Then, graduate students had a chance to know every aspect of an experiment. Now, they tend to have specialized skills and areas of interest. This has all come about because detectors have had to become bigger and more complex.

Gina explained that beyond the technical differences between then and now, social environments have changed a great deal. "Because of the nature of today's large collaborations, I think there is more isolation and less interaction between groups." She went on to say that things like individual computer workstations have added to this isolation. For example, "When I did my graduate work here there was one room in Wilson Hall that had 20 terminals or so. You went there to work, and if they were full you waited with everyone else until someone was finished.... I just think in general you ended up spending more time with your peers."

The effect of larger collaborations on graduate students is immediate. Jodi Lamoureux, a graduate student from the University of Wisconsin, said that going into a collaboration like CDF is "pretty overwhelming. Sometimes there are 30 or 40 students in a group looking for a [thesis] topic. That's usually not a small enough group to allow you to do what you want."

Jodi has worked for the past several years on a thesis examining the bottom quark from data taken by CDF. Her work with the CDF collaboration has included running test programs for the forward muon detector trigger-system and taking operation shifts during collider runs. She is nearing completion of her thesis and looking forward to receiving her degree.

"The working groups are very positive and people who are interested in the research (advisors, physicists, post-docs, students) come together. . .and because they're working on the same experiment they want your work to go in the right direction," said Jodi. She contrasted this to the university environment in which competition, coupled with small graduate enrollments, can sometimes lead to harsh feelings between peers. "At Fermilab there is much more positive interaction," she said.

Continued on page 8

More Ph.D. recipients

We recently received a list of 1992-93 Ph.D. recipients not included in the last issue of *FermiNews*. They are:

- James Fast, University of California at Irvine, E760
- Keith Gollwitzer, University of California at Irvine, E760
- Anna Majewska, Pennsylvania State University, E760
- Jose Marques, University of California at Irvine, E760
- Mara Martini, University of Ferrara, E760
- Jack Zhao, Northwestern University, E760
- Richard Astur, Michigan State University, DØ
- Elizabeth Gallas, Michigan State University, E733
- William Cobau, Michigan State University, E733

This brings our total to 56.

Emergency Cont.

Lessons learned will be applied toward enhancing the existing Emergency Plan as well as the new Emergency Preparedness Plan currently being written.

The Scenario Committee is a crucial contributor to the success of an emergency exercise. Representatives from every division and section spent many hours developing scenario activities to test the capabilities of emergency responders, decision makers, support staff personnel and equipment. The committee's task was to design a series of realistic field events which would initiate activation of the Emergency Management System.

What kind of scenario was created for July 15? In a few short hours, emergency personnel and senior management had to react and respond to a simulated explosion and fire, an ethane gas leak and a diesel oil spill. All these "events" took place in and around CDF. And, if that weren't enough, there was an "incident" involving a radioactive source at Lab 7 in the Village. Controllers and evaluators, trained by the Office of Emergency Planning, carefully observed and monitored all these events and prepared preliminary critiques. The sitewide exercise requires the activation of the Emergency Operations Center, which manages the entire emergency. An incident of sufficient size, danger and complexity is required for such an activation.

Although each incident was realistic by itself it is unlikely that all would occur in such an abbreviated time period. Other smaller problems and challenges were included to provide input to evaluate the decision-making processes and response procedures that include control, decontamination and clean-up actions. Another important group contributing to the exercise were the role players. These recruits acted the part of the "injured" personnel, called in questions from "concerned neighbors," and, as "reporters," hounded the Public Information Office for more details of the event.

In evaluating the exercise, **Romesh Sood**, head of the Office of Emergency Planning, recognized the valuable contributions of many lab employees to the exercise. As a result of the exercise, he looks forward to continued improvements in both emergency planning and emergency response capabilities at Fermilab.

Ferminews
Classifieds/misc.

Classified ads

Vehicles

1989 Pontiac Grand Prix LE. Loaded. Asking \$8,000 o.b.o. Excellent condition. Call Pat at 708-879-1678.

1983 Buick Electra Wagon. \$1,500. Call Marcelo at x4716.

1983 Mazda RX-7. 158K miles, removable roof, AC, AM/FM cassette, cruise, new brakes & exhaust (both lifetime warranty), no rust, excellent condition. Asking \$2,800. Send e-mail to DDIMITRI@ADCALC or call x2394.

1975 Corvette L48 with T-tops. Runs good, needs paint. \$4,000 o.b.o. Call John Juneau at x4972 or 815-286-7244 after 5 p.m.

1970 Porsche 911 T. Needs some work. Asking \$3,000. Call Alexandra at x2390 or 708-717-1192.

Miscellaneous

Lost keys. Ring on each end of silver clasp. \$10 reward. Page 708-536-1312.

Lap top 80386SX processor. 4MB RAM, expandable to 16MB. 42MB hard drive. One 3.5" floppy drive. 20mhz. VGA display. Windows 3.1 and DOS. 101 key keyboard, mouse & software. 1 serial port, 1 com port, 1 LPT port, 1 external keypad port, 1 external monitor port, 1 expansion BUS, 1 mouse port. \$850 o.b.o. Call Greg at x3011.

New items in Stockroom

1165-0700 Transformer, dry type, shielded, isolation, 480 v. pri., 208/120V sec. Square D P/N 75T3HIS, 75Kva, 30H x 30W x 20D, floor mount.

1825-1320 Paint, enamel, fast drying, 12 oz. pressurized spray can, wood/metal. Symour Hi-Tech P/N 16-112, flammable, dove gray, indoor/outdoor.

Apple StyleWriter II bubble-jet printer. Excellent condition, only used for 6 months. All paperwork included. \$225 o.b.o. Contact Nancy at x2902 or email FNALV::NANCYB.

Single bed, 1-yr.-old. Mattress, boxsprings, frame. \$60. Dorm-room size **cubicle refrigerator.** \$50. Call Carmen at x3834.

Real estate

Condo for rent. 3 bedroom deluxe condo in Wheaton, 2 full bath, 1 car garage, balcony w/ beautiful view. Convenient and quiet location. All appliances. \$960/month + security deposit. Contact Randy at 708-393-9843 or e-mail FNAL::QZHU.

Apartment for rent. One or two bedroom, utilities included. Laundry room and off-street parking. Call Barbara at x3492 or 708-859-8699.

Upper efficiency apartment. Available now, located in Aurora. Call 708-898-1455.

For rent: **Ranch-style home** in Warrenville. 3 bd, 2 bath, full basement, close to schools. Available October 15, \$1000/month. Lease negotiable. No pets, no smokers. Call Geri Barnes, 708-393-1228.

Pets

10-month-old female puppy, 30 lbs, shots up to date, spayed, trained, loves people. Call Jim at x4889 or 815-436-2274.

Students continued

While graduate student work at Fermilab continues to change to meet the needs of experiments and follow the direction of research, the fundamental importance and value of this work has not. High-energy physics will continue to need young experimental physicists, and Fermilab continues to be a leading contributor to their education.