

TEVATRON Collider Run Ends, Fixed-Target Begins

At 0730 hours on May 11, 1987, Fermilab's TEVATRON, the world's most powerful accelerator complex, shut down, bringing to an end the engineering run of the Collider Detector Facility (CDF).

The 1987 run for fixed-target physics began at 0800 hours on June 1, and by Friday, June 5, 800-GeV beam was on its way to 17 experiments for the beginning of a major fixed-target run expected to continue until the end of 1987.

In the brief time between the Collider and fixed-target runs, the mammoth CDF detector was rolled out of the B0 collision hall where it had undergone extensive full-scale testing in preparation for the next run for colliding-beams physics. The CDF engineering run was characterized as "very successful" by the CDF collaborators, and included the encouraging discovery of a number of candidates for W and Z meson decays and a large number of QCD jet events, some with E_t 's of greater than 150 GeV.

Operating at 1.8 TeV, the TEVATRON Collider had exceeded, or very nearly met, all of its goals by April of '87. The progress made since the very first use of the Collider in October of 1985 is reflected in the increase in the peak luminosity.

Transfers of antiprotons from the Antiproton Source to the TEVATRON are delicate operations. The months of December '86 and January '87 were spent "getting the mere mechanics of the transfer [process] under control, and that was no small task . . . Once a failure was identified and corrected, it tended to stay corrected."

In a departure from past practice, there were neither regularly scheduled Accelerator maintenance periods nor access to the detectors during the Collider run. Accelerator Division experts have noted that this approach reaped almost immediate benefits in that "the reliability of the accelerator complex was the best it has ever been in recent memory."

[From "1987 DOE Review - First Collider Run Operation," S. Childress et al. (May 1987) and "Status Report on CDF," The CDF Collaboration (A. V. Tollestrup, presenter) (March 1987.) See the May/June 1987 Fermilab Report for more details.]

If It's \$40.00, This Must Be Beaverton: The Inns and Outs of the Maximum Lodging Allowance

Traveler on Lab business: beware, be wise, be certain you're staying in a hotel that (1) has a room rate within the Maximum Lodging Allowance (MLA) and (2) will give you a government discount.

Under the new contract between URA and DOE, Fermilab employees traveling for the Lab became subject to Federal Travel Regulations as of February 1 of this year. This means that the MLA (your per diem for lodging, not to be confused with your per diem for meals and incidentals) is pegged to geographic location. For instance, if you are staying in Morristown, Tennessee, your MLA is \$30.00. If, however, business takes you to Hilton Head, South Carolina, then your MLA is \$76.00.

What if, at check-in, you discover that your room is more than \$76.00? The difference comes out of *your* pocket.

There's a way to avoid this unpleasant surprise: Make your travel arrangements through Nancy Pen-son in the Fermilab Travel Office, WH 1W, exts. 3397 and 3398.

The procedure goes like this:

When you tell Nancy your preferred hotel, she'll check the *Federal Hotel-Motel Discount Directory*. If your lodging of choice is listed, Nancy calls the hotel to verify the government discount rate. If the rate, after discount, is within the MLA limit for that geographic area, Nancy books your room. She then gets a follow-up confirmation from the hotel, because hotel discounts are, as Nancy explained, like airline discounts: certain restrictions may apply.

Nancy will provide you with a DOE Letter of Certification, verifying that you're traveling on Lab business, to be presented at check-in in order to obtain the government discount.

If the room rate at the hotel of your choice is *not* within the MLA even after the government discount

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Benefits Notes

What Do I Do with This Medical Bill?

You were recently hospitalized for a surgery. You probably received bills from the hospital, surgeon, family physician, pathologist, radiologist, and anesthesiologist. What should you do with the bills?

If you are in the Connecticut General medical plan, you must complete at least one claim form per diagnosis, attach the itemized bills to the claim form, and forward it to the Benefits Office, WH 15E, for transmittal to the Connecticut General claims office.

If you are in an HMO plan, the HMO takes care of most of the paperwork. However, you may receive a medical bill. **DO NOT** ignore this bill! Contact your HMO customer-relations people for instructions. Quite often an HMO member thinks that the HMO has been billed. Many times the HMO has *not* been billed. It is your responsibility to be sure that your bills are paid. Keep in touch with your HMO. They will be glad to assist you.

- Paula Cashin



"Wellness Works" News

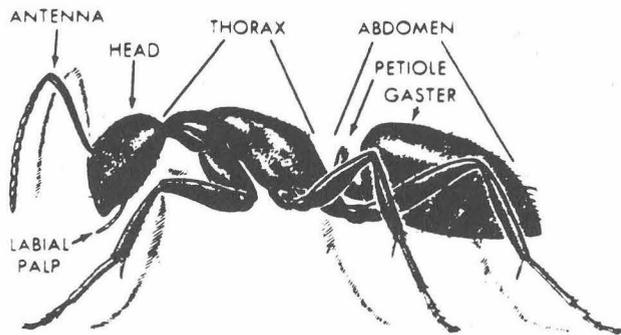
New brochures and books being furnished as part of the Wellness Works Program can be found in the Medical Department, WH 1W. The range of subjects is wide and varied. Subjects cover arthritis, blood pressure, heart problems, and much more.

Much of the material is marked "For Reference Only." However, if you find an article of interest to you, we may be able to photocopy it or, if there is enough general interest, additional copies may be obtained.

Some booklets on various health subjects are available and free. Employees and visitors are encouraged to become well informed about health and wellness issues. Learn more about how Wellness Works!

Ants Mobilize - It's NALREC Family Picnic Time!

NALREC presents the annual Fermilab Family Picnic on August 2, 1987, from 11:00 a.m. to 6:00 p.m., for employees, visitors, contractors, and families of same. Mark your calendars so that you and your family don't miss the action. There will be activities, food, and drink for all to enjoy.



Anatomy of the Ant

As always, the Family Picnic will offer an abundance of goings-on, and a great deal of help is needed to make the day of the picnic a real success. If you and any of your family members are planning to attend, we hope you'll offer your assistance to work a shift in any area where you'd have a good time. Please contact Sharon Koteles at ext. 3598 or Jesse Guerra at ext. 4305, and state your work and

time preference. Your help is appreciated, and the more helpers, the merrier for all. It's never too late to volunteer!

Along with other games and events will be a refereed co-ed volleyball tournament starting at 9:00 a.m. and running through about 1:00 p.m. The softball diamond will be available for pick-up games, so bring your favorite bat. An informed source has revealed that the Dunk Tank will feature two "surprise" guests during this year's in-depth study of wave mechanics and particle displacement theory.

The menu selections include grilled hamburgers, steamed hot dogs, steamed corn, potato salad, and baked beans, along with the usual assortment of liquid refreshments.

We expect this year's picnic to be the biggest and best ever, and NALREC looks forward to seeing you there.

- Linda Even and Trudy Kramer

Market value of Dwight Gooden's rookie-year baseball card last fall: **\$120.00**

Today: **\$70.00**

Percentage of tea drunk by Americans that is iced: **75**

- from *Harper's Index*

Interactions & Events

et al.

Ray Ziegner, a Fermilab Firefighter, has been awarded the Certificate of Administrative Merit by the United States Coast Guard "In recognition of outstanding service in support of [the] United States Coast Guard Auxiliary." It is the second-highest award given by the Coast Guard.

"Using maps, river charts, and questionnaires, he identified 63 fire departments having marine emergency equipment, as well as the launch sites and radio frequencies they use in the event of a boating emergency . . . along the 327-mile stretch of water from Grafton, Illinois, to Lake Michigan. His professionalism, skill, and unwavering devotion to the cause of boating safety are in keeping with the highest traditions of the U.S. Coast Guard."

The Coast Guard Auxiliary (CGA) is made up of volunteers who use their own boats to patrol state waterways, helping boaters in distress and providing information on boating safety. Ray, who is in his third year of CGA participation, patrols the Illinois River from Joliet to Starved Rock State Park. He's also done safety patrols for the Mackinac Race, the Pan-Am Games at Michigan City, Indiana, and the Joliet Waterway Daze.

Jack Steinhoff, another Fermilab Firefighter, is also a member of the CAG.

Janelle Thompson, daughter of Jim (*Employment*) and Laura Thompson, won third place in the Illinois Civic Oration Contest, held on June 20, 1987, at the home office of the sponsor, the Modern Woodmen of America Insurance Company, in Rock Island, Illinois.

Nine students from various locations throughout the state competed for the three top prizes. The students ranged in age from 11 to 14. The oration topic was "People Who Have Overcome." Janelle, an 11-year-old 6th grader, spoke on Wilma Rudolph, one of the world's greatest black female track stars.

Janelle qualified for the state-wide competition by winning first place in her elementary school's contest, and first place in the West Aurora School District's contest. All told, Janelle brought home three trophies and \$150.00 in U.S. Savings Bonds.

Facilities Requests Now Require Two-Weeks' Advance Notice

Effective August 3, 1987, the Accommodations Office will no longer accept Facilities Request Forms which are not submitted at least *two weeks* prior to the event.

Facilities Request Forms can be obtained from the Accommodations Office and must be completed for all special events, including tours. If you have any questions regarding the use of this form, phone Jean Plese at ext. 3211.

News from NALREC

A Break on Burritos, etc., from Chi-Chi's

Chi-Chi's Mexican Restaurant at the Fox Valley Mall is offering all Fermilab employees an Employee Fiesta Card good for a \$1.00 discount. The card may be used 15 times or more from July 1, 1987, through August 31, 1987, at the restaurant.

At the end of the two-month time period, each employee who returns their coupon card to Chi-Chi's for deposit in the business-card container will have a chance for a \$20.00 gift certificate. This winner will be chosen by random drawing from all Fiesta cards returned before September 7, 1987. The winner will be notified by phone and will receive a personal presentation of the gift certificate. Employee Fiesta Cards are available in the Activities Office, WH1E, and at the NALREC table in the cafeteria, on Mondays and Thursdays from 12:00 noon to 1:00 p.m.

Save Serious \$ at Six Flags Great America

NALREC is offering discount tickets to "Kidsfest" at Six Flags Great America in Gurnee, Illinois, from July 6 to July 26, 1987. Children 4-10 years of age save \$8.00 on admission, and adults save \$3.00 on admission. For more information, or to purchase your tickets, stop by the NALREC table in the Cafeteria on Mondays and Thursdays from 12:00 noon to 1:00 p.m., or call Jesse Guerra, ext. 4305 or Jo Baaske, ext. 3046.

Percentage of Americans who don't know who William Rehnquist is: **71** Who don't recognize Dan Rather: **53** Who don't recognize Mr Clean: **7**

Hours that *Leave it to Beaver* is on the air each week in Des Moines: **6** - from *Harper's Index*

In Memoriam

Earl R. Bowker
1929-1987

Earl Bowker began his career at Fermilab on February 5, 1968, earning him payroll number 97. He worked in the Technical Support Machine Shop and was promoted to Machine Shop Superintendent on August 1, 1984.

Jerry Peterson, a Village Machine Shop Foreman, worked with Earl for 18 years and felt very close to him. "Earl was a very genuine person. He always thought of his people first and foremost.

"Earl's talent was coupled to an inquisitive mind. While keeping up his wide range of hobbies, such as wood carving, gun and stamp collecting, wine making, taxidermy, engraving, scrimshaw, photography, and of course, golf, he spent many evenings at local colleges learning welding, German, and Computer-Aided Drawing and Machining.

"Thanks to Earl's vision and drive, Fermilab's Machine Shop purchased its first piece of Computer Numerical Controlled equipment in 1983. Under Earl's tenure as Superintendent, shop technology has improved dramatically.

"The Shops will miss Earl."

Charles Matthews, who has been promoted to Shop Superintendent, said of Earl, "He was a multi-talented man, and when he did something, he did it well.

"Earl was quick to initiate change. He had a vision for the Machine Shops; training in the latest technology was encouraged. Earl told us, 'When I leave here, you guys will have a good foundation to build on.'

"Earl had a way of telling a story that made you think you were there. He loved to talk about his early years visiting his grandparents' farm, his years of apprenticeship, and his adventures in the days he drove a cab in Aurora. His favorite topic, however, was his family.

"His untimely departure leaves a void in our organization, but more than that, it leaves a void in our hearts."

He is survived by his wife, Harriet, and daughter Barbara.

In Memoriam

Jasbir Singh Sidhu
1956-1987

Jasbir Singh Sidhu, a graduate student from Carleton University in Ottawa, Ontario, Canada, was slain on the Fermilab site on the afternoon of May 19, 1987.

Sidhu, a native of India with resident status in Canada, was at Fermilab to analyze data from the 1985 run of E-691.

Penny Estabrooks, professor of physics at Carleton University and Sidhu's thesis advisor on E-691, told the *Chicago Sun-Times*, "He was a good, hard-working student." Other colleagues of Sidhu characterized him as "the image of a hard-working graduate student" who was "totally absorbed in the world of physics."

Bruce Chrisman, Fermilab Associate Director for Administration, spoke on behalf of the Laboratory in saying, "A death in the Fermilab community is sharply felt by all of us. Our work is always done with an eye to the future: a future of new discoveries in uncharted regions, and the futures of the bright minds that will some day help us make those discoveries. Any society, whether it is Fermilab or society as a whole, cannot afford to lose the promise of those bright minds. Jasbir Sidhu was a young man who epitomized that promise. Fermilab offers its deepest condolences to his family and colleagues."

He is survived by his parents.

"Lodging" continued from page 1

or if the hotel doesn't give a government discount at all, you have two choices: make up the difference yourself, or ask Nancy to book you into the nearest hotel that does give a rate within the MLA.

Rate sheets listing the MLA for each geographic area are available from department secretaries, Fran Macaуда in the Cashier's Office, WH 4E, or from Nancy Penson.

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