

Shakedown Cruise Tests CDF for Physics Challenge

With their detector basically complete and rolled into the B0 Collision Hall, the Collider Detector at Fermilab (CDF) collaboration is roughly halfway through an eight-week check-out period during which potential problems are being isolated and solved, final checks are made, and members of the group familiarize themselves with operational procedures.

"Everything we've been working on these eight years is in place, the whole detector," said Roy Schwitters, co-manager, with Alvin Tollestrup, of CDF. "It's all hooked up to the computer and most of the pieces are essentially functioning. Our view is that everything in the detector will be on within one or two weeks, and the main goal right now is to learn how to make it function as a whole.

"To me, the most satisfying thing at this point, is the ability of the CDF group to come together and focus on system problems that overlie the whole detector, not just in an individual's particular piece of the equipment, and solve those problems as a group. Things are hooked up to the detector, made to work, and then we move on to the next problem. That's very important to our eventual understanding of the apparatus, and exciting in its own regard.

"This detector is unprecedented, and one of the major goals, and a hard thing to realize sometimes, is that we have to learn *how* to use it *as* we use it. It's a brand new, very sophisticated piece of electronics and hardware without an operating manual. We have to write the manual as we go, and that's a challenge.

"Interspersed with this learning process, we are getting a chance to look at a few events. Last year, at the end of the Accelerator run, we saw 23 events. Two weeks ago we had an extraordinary run and we collected 2000 events on tape, these beautiful collisions. Some of them are starting to whet our appetites for the kinds of things we'll see in the physics, and that's very exciting."

— CDF —

Accelerator Division Management

Reorganized Following Project Completions

The Director's Office has announced the following changes in the management of the Accelerator Division:

Following a seven-year stint as Head of the Accelerator Division, during which time he was instrumental in the construction and success of the Energy Saver/Doubler/TEVATRON, J. Ritchie (Rich) Orr has, at his own request, joined the Technical Services Section to support the Laboratory's SSC activities.

Helen Edwards, formerly Deputy Head of the Accelerator Division, is now Head of the Accelerator Division. She was recently presented with the E.O. Lawrence award in recognition of her vital role in the construction of the TEVATRON.

John Peoples, prime mover as Head of the Pbar Source Department in the design and construction of the Pbar Source, replaces Helen Edwards as Deputy Head of the Accelerator Division.

Gerald Dugan leaves his position as Head of Accelerator Systems for the Pbar Source to take on the responsibilities of Head of the Pbar Source.

Charles Ankenbrandt replaces Lee Teng as Head of the Accelerator Theory Department, while Lee Teng joins the medical accelerator project which is designing a prototype medical proton-therapy accelerator for Loma Linda University Medical Center.

In addition, the following teams will rotate through the cycle of responsibility for TEVATRON and Main Ring running (with specific emphasis on the indicated areas): Philip Martin and Stanley Pruss (recommissioning of the TEVATRON and Main Ring, respectively), Michael Harrison and Frank Turkot (fixed target), and David Finley and Rod Gerig (Collider operations).

Also, Ernest Malamud and Paul Mantsch will head a group to design a new low- β for the D0 detector.

Benefits Notes

Coordination of Benefits - Medical and Dental Plans

Coordination of Benefits (COB) is a provision in our medical and dental plans that provides for full reimbursement of medical and dental claims and determines the order of reimbursement when there are two or more group benefit plans covering the same individual. Without COB it would be possible for some individuals to collect more dollars than they actually spend for medical and dental care.

Effective January 1, 1987, the COB provision of the Connecticut General medical and dental plans is amended. Under the new rules the plan participant will receive the same net claim payment as in the past. However, the new rules will affect the order in which insurers assume responsibilities.

Connecticut General will join the industry in adopting the new COB rules set by the National Association of Insurance Commissioners. Claims incurred on and after January 1, 1987, will be administered according to new rules established to determine which plan pays first for dependent children who are covered under two group benefit plans. They will also use new rules to determine which plan pays first when a person is covered both as a retiree under one group plan and active worker under another.

Historically, when a dependent child is covered under two plans, the plan of the male parent has paid before the plan of the female parent. This approach has been offensive to some because the order of payment is based on the gender of covered parents. Under the new rule called the "birthday rule," the plan of the parent whose day of birth falls earlier in the calendar year pays first.

The existing rules for dealing with the claims of dependent children of parents who are separated or divorced will not change. Under these rules the plan of the parent with custody pays first. Under the old rules, the plan that had covered the participant longer paid first when a person had coverage as a retiree under one plan and as an active employee under another.

Under the new rules effective January 1, 1987, the plan that covers the person as an active employee or as the dependent of an active employee will pay before the plan that covers the individual as a retiree. (Keep in mind that Fermilab's retiree plan does not pay if a Lab retiree is covered as an active employee

with another employer. Retiree coverage is reinstated when you leave the other employment.)

What do you do when you have a claim that occurred on or after January 1, 1987, and there are two group medical plans to consider? If the claim is on a dependent child, the parent whose date of birth is first in the calendar year should submit the claim to his or her insurance company. Be sure that the dates of birth of both parents are included on the claim form. What if the parents are divorced? The parent with custody should submit the claim first to his or her carrier.

If you are a Fermilab active employee and also covered by another employer's retiree medical plan, you should submit the claim to Fermilab's plan, Connecticut General, first. If you are on an HMO, check with the HMO about their COB policy.

If you are still unsure which insurance company pays first in your particular case, the Employee Benefits Office can assist you when you file your next claim.

- Paula Cashin

Fill Out W-4 Forms; IRS Waits for No One

If you have not yet filed your new W-4 form, you're late. The Payroll-requested deadline for the completion of the forms was January 20, 1987. If you need to file a revised form after completing your tax return for 1986, you may do so. You must return this form as soon as possible so that Payroll will be able to withhold the appropriate amount of taxes from your paycheck. Those who have not turned in their form to Payroll by October 1, 1987, will be, by law, automatically listed as being either single (one withholding allowance) or married (two withholding allowances).

Jo Baaske of Payroll suggests that you obtain the three publications that are listed on your W-4 form so you know what your tax liability will be for 1987.

For more information call Jo on ext. 3046.

Reminder: Art Classes Offered at Lab

The School of the Art Institute of Chicago Studios Program adult courses in Photography, Life Drawing, and Watercolor at Fermilab are still open to late enrollment. Tuition for a five-week class is \$240 for credit and \$160 for audit. Those interested in late enrollment can call 443-3777 for registration material and more information.

Leon Lederman to Chair AAAS Youth Symposium

On February 14, Fermilab Director Leon Lederman will be the Chairperson for the 1987 American Association for the Advancement of Science (AAAS) Youth Symposium taking place in conjunction with the annual meeting of the AAAS which will be held in Chicago from February 14-18, 1987.

The Youth Symposium, a special one-day learning experience for high school juniors and seniors, will be held at the Hyatt Regency Hotel. Students from the greater Chicago area public, independent, and parochial schools will attend.

The Director will be chairing the Opening Plenary Session featuring Robert D. Ballard, Head of the Deep Submergence Laboratory at Woods Hole Oceanographic Institution, who will discuss "The Titanic Project." Among the parallel-session speakers on topics ranging from molecular biology to mathematics are Chris Quigg, Head of the Fermilab Theory Department, and Michael Turner of the Fermilab Astrophysics Group. Marvin Minsky, Donner Professor of Science at MIT, will speak on "The Future of Artificial Intelligence" at the closing Plenary Session, chaired by Stephanie P. Marshall, Director of the Illinois Math-Science Academy in Aurora.

Also that weekend, the Planetary Society will sponsor a brunch at the Palmer House Hotel on Sunday, February 15. The featured speaker will be Dr. Kathryn Sullivan of NASA speaking on "Future Exploration and Settlement in the Solar System." The Society will also be an exhibitor at the AAAS meeting.

Medic Alert Bracelets Save Lives



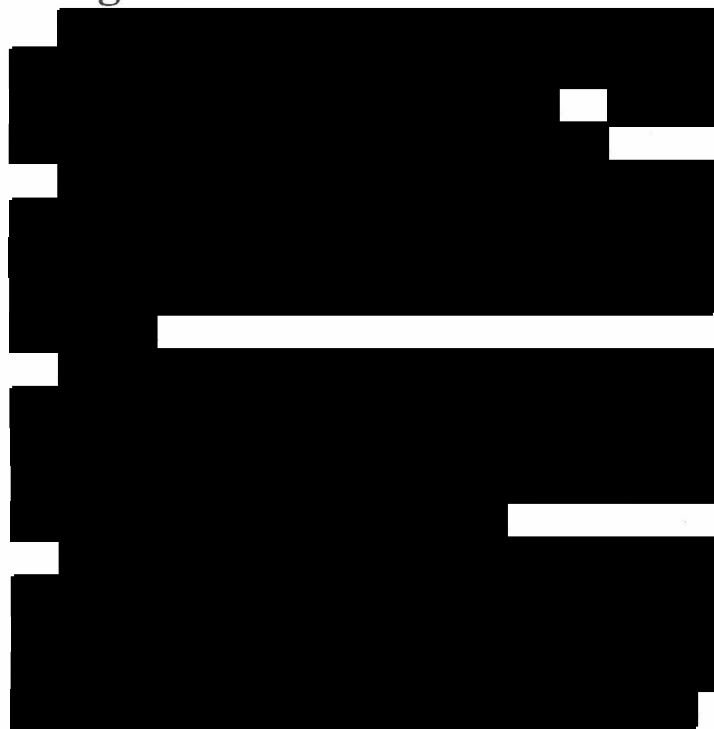
"Medic Alert" is a nation-wide identification system for those having some form of chronic condition such as diabetes, severe allergies, or heart problems. According to the Medic Alert Foundation, one in five of all Americans have a medical condition which should be known in an emergency. They list 95 physical conditions of this type.

Medic Alert members wear a special identification bracelet or necklace describing the wearer's problem, along with a nation-wide, 24-hour, toll-free phone number for emergency information. The Medic Alert phone operator will give specific medical information from the patient's file to the ambulance personnel or physician. This can be valuable and needed information for proper emergency treatment of the patient.

Bracelets and necklaces are available in stainless steel, sterling silver, and 10K gold filled. A lifetime membership for these services is \$20, including stainless-steel emblem.

If you would like an application blank or more info concerning the Medic Alert program, call Chief Ralph Kramp, Fermilab Fire Department, ext. 3428.

Congratulations to:



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Cost of a week's tuition for two at Philadelphia's Better Baby Institute: **\$980.00** - from *Harper's Index*

Barnstormers' Delta Dart Night is Back!

The Fermilab Barnstormers will host their annual Delta Dart Night on Wednesday, February 11, 1986. No experience is necessary to build and fly your own rubber band-powered aircraft. Join the fun at the User's Center at 5:30 p.m. to build the airplanes and later at the Village Barn for a propeller-filled evening.

Trail For Skiers Only: Hikers Be(a)ware!



The sign above is attached to a tree at the head of the cross-country ski trail in the woods next to Pine Road. The sign requests that hikers please (!) not walk in the ski tracks. Many trips around the ski course are required to get the tracks skiable and this condition is quickly destroyed by people and/or dogs walking in the tracks. Catching a ski tip in a deep footprint can cause a fall and a broken ski tip or miscellaneous bone. There is space on both sides of the track for feet, and the skiers hope the hikers will use this area (tell your dog).

Fast Analog Conference in March

The International Conference on Fast Analog Integrated Circuits for Particle Physics will be held at the University of Pennsylvania on March 2, 3, and 4, 1987. The purpose of the conference is to stimulate and enhance the development of full custom, analog integrated circuits which are essential for optimal exploitation of future experiments in elementary particle physics. The subject matter will focus particularly on the development necessary for experiments at high luminosity, high-energy colliders but will not be limited exclusively to that topic.

For information and an invitation, write to: C. Feinberg, Fast Analog Conference, Department of Physics, University of Pennsylvania, Philadelphia, PA 19104, or phone (215) 898-8558.

Purchase price of a parking space in New York City's first condominium garage: **\$29,000**

- from *Harper's* Index

DOE Lauds Support Services Staff

In a letter to Andy Mravca, Area Manager, DOE Batavia Area Office, Patrick J. Lillard, Chief of DOE Contractor Industrial Relations and Property Management Branch, Contract Management Support, said, "We have reviewed the Laboratory's transportation/traffic cost savings report. It shows that they have negotiated rate discounts of between 25-33 percent with 6 truck freight carriers and even higher discounts with air freight carriers. Overall, these discounts and other traffic management activities saved more than \$37,000 in FY 1986, which is impressive. Please extend our congratulations for a job well done to the Laboratory's transportation/traffic management staff."

Bill Butler, Fermilab Support Services Manager, commended the work of Ron Haynes, Carol Weissert, and Claudie King by saying, "It is a pleasure to see conscientious work being recognized by others, in this case DOE. All of you have contributed to this effort and will continue to do so in the future. I wish to thank you on behalf of the Lab and I am confident your efforts in the future will also be of like quality."

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Next Research Division Seminars

On February 3, 1987, at 11:00 a.m., L. Gustafsson will speak on "Fastbus to VME Interfacing at CERN."

On February 10, 1987, at 11:00 a.m., J. Butler will discuss "Survey of Photoproduction."

On February 19, 1987, at 4:00 p.m., J. Lach will discuss "Status of SSC Siting."

These Research Division Seminars will be held in Curia II.

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Summer Housing Deadlines

The deadline for receipt of reservations for summer on-site housing is Monday, March 2, 1987. Housing assignments will be made in April; responses will be mailed April 10, 1987. The starting date for summer occupancy is June 1. For further information, please contact the Housing Office, ext. 3777.

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FermiNews - Cla\$\$ified Ad\$

FOR SALE:

Vehicular Transportation

AUTOMOBILES

1974 CAPRICE CLASSIC convertible; 454-cu. in. engine, blue body/white top, good running condition, needs restoration. \$700.00. Call Carol, ext. 3470.

1984 OLDS TORONADO BROUGHAM; V8-FWD, Landau roof, full power including driver and passenger seats, tilt-wheel, cruise control, AM/FM stereo/tape, Rusty Jonesed, garaged, new brakes and tune up; 44,000 mi.. \$11,500. Call Bill, ext. 3779.

1985 DODGE SHELBY CHARGER; 2.2-liter turbo, 5-spd., A/C, PS, PB, Alpine stereo cassette, front wheel drive, excellent condition; must sell. \$6700.00 or best offer. Call Steve, ext. 3791 or 665-4675.

1972 CHEVY LAGUNA; PS, PB, A/C, new AM/FM stereo/cassette, recent tune-up, only 65,000 miles, good mechanical and body condition. \$1100.00. Call JoAnne, ext. 3865.

TRAILERS/MOTOR HOMES

1977 26-ft AYR WAY TRAVEL TRAILER sleeps 6; rear bedroom w/ double bed, 2 closets, overhead and lower cabinet storage w/ drawers; center bath w/ tub/shower; kitchen area w/ 4-burner gas range w/oven, vented range hood, gas/elec. oversize refrigerator w/freezer, double sink, drawers and xtra storage cabinets; gas forced-air furnace, gas auto. hot-water heater, dbl. 30-gal. gas tanks, 36-gal. pressure water syst., self-contained waste tanks; 120/12V distrib. panel w/ converter; set-up stands; tandem axels w/elec. brake system; Rease level-right hitch; travel awnings on front and back windows. Asking \$4400.00. Call Carolyn, ext. 3315.

1976 T.E.C. MINI-MOTOR HOME; 20-ft.; sleeps six; Chevy 350 c.i. motor (11 mi./gal.); furnace, water heater, refrig., shower, stove w/oven, cab air. \$5500.00 or best offer. Call 552-7082.

MOTORCYCLES

1978 KAWASAKI KZ1000; w/vetter fairing; 1-owner, adult driven. \$1000.00. Call Mark, ext. 3924, or 553-6958 after 5:00 p.m.

MISCELLANEOUS

NORDICA SKI BOOTS, women's; color: navy; size: 10. \$35.00. Like-new ski-boot bag; color: orange. \$8.00. Call Linda, ext. 3777.

ARIENS SNOW THROWER; 5-h.p., 20-in. cut, 2-stage, excellent condition. \$300.00. Call Mark, ext. 4776 or (312) 695-3263.

SOUTH BEND METAL LATHE, small; w/many additional attachments & tools; low hours. \$1800.00 Four, 1000# capacity heavy-duty winches; never used. \$225.00 ea. or \$850.00 for all. ANTIQUE DINING ROOM SET, complete; made w/walnut wood; recently refinished; includes 1 table w/leaf, 6 chairs, 1 china cabinet, 1 buffet. \$1300.00. Call Mark, ext. 3924, or 553-6958 after 5:00 p.m.

EARLY AMERICAN-STYLE BUNK BEDS; like new; \$60.00 or best offer. Call 466-4410.

(OVER FOR MORE)

FOR RENT:**DWELLINGS**

ONE-BEDROOM APT., 2nd floor w/patio; in the Aspen Apartments complex at the intersection of Rts. 59 and 38, 2 miles from Fermilab; available Nov. 1, 1986. Please call ext. 2152 or 231-6568.

WANTED:

"RIDE TO AND FROM WORK on Fridays for myself and guide dog. Hours are flexible to fit your schedule. I live on Spruce St. in West Aurora. Call Roy Jeffries, ext. 3146."