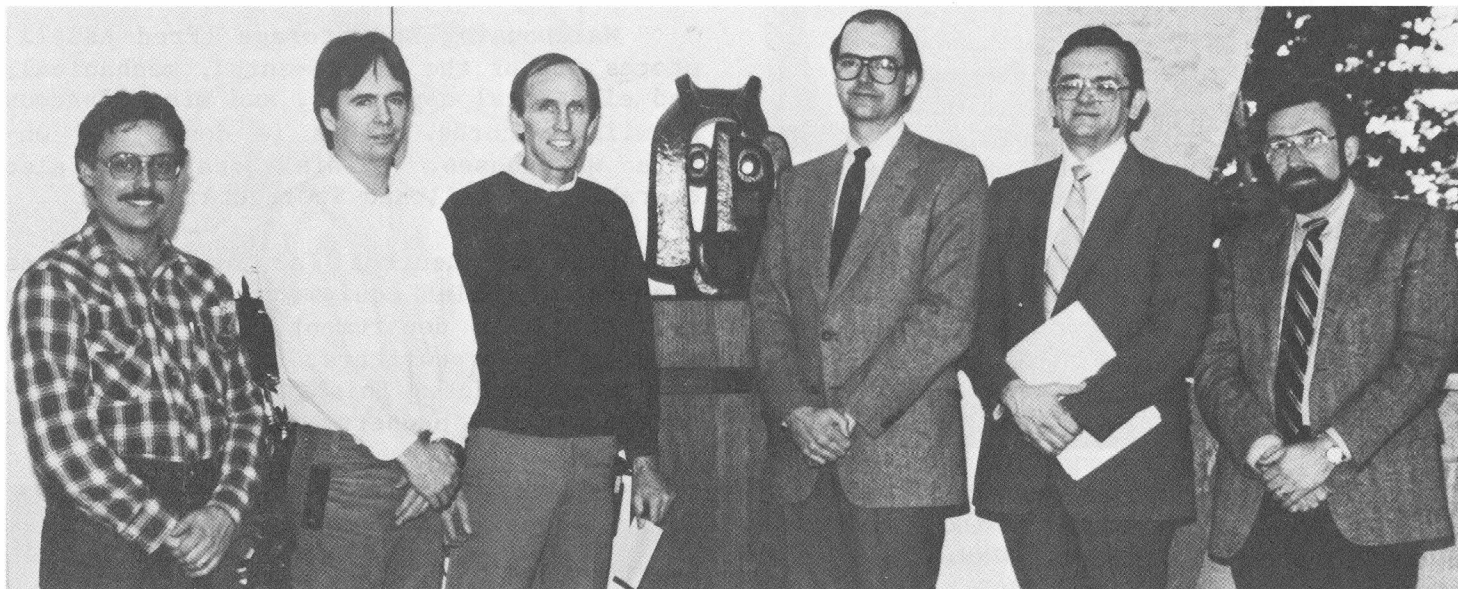


March 7, 1985

FERMI NATIONAL ACCELERATOR LABORATORY

TEVATRON WINS ENGINEERING ACCOLADE



Pictured above, l. to r., are Fermilab engineers Ralph Pasquinelli, Jack McCarthy, Richard Andrews, Claus Rode, Carl Swoboda, and Robert Ducar, who wrote the nomination document which resulted in the Tevatron/Tevatron I project being named one of the outstanding engineering achievements of 1984 by the National Society of Professional Engineers. A seventh member of the group (not pictured) is Ralph Niemann.

The National Society of Professional Engineers (NSPE) selects ten projects each year for the "Outstanding Engineering Achievement Award" of that year. This year, the Department of Energy's Fermilab Tevatron/Tevatron I project was selected as one of the ten national outstanding engineering achievements of 1984.

The Tevatron is the world's first superconducting particle accelerator and the largest facility of its kind in high-energy physics. (The precision in building this machine has been likened to aiming a rifle at an insect on the moon and hitting it in the eye.)

The selection of the Tevatron as an outstanding engineering achievement involves both the creation of unique individual systems and their combination into a larger machine for carrying out research. Since this engineering requires the most highly-developed, state-of-the-art equipment, its use for research frequently becomes the forerunner of uses which other engineers adapt for other purposes.

Carl Swoboda, chairman of Fermilab's Engineering Policy Committee, comments, "Looking at the engineering contribution of Fermilab's Tevatron, it is clear that the demands which building the Tevatron presented to Fermilab engineers resulted in many applications that other engineers will be able to utilize for a long time to come. Fermilab engineering will lead the way for the next generation of accelerators."

Presently, there are a total of 133 engineers at Fermilab. These include: 64 electrical/electronic engineers, 50 mechanical engineers, 10 civil engineers, 6 architectural engineers, 2 chemical engineers, and 1 communications engineer.

Upon accepting the award on behalf of Fermilab, Director Leon Lederman remarked, "I'm very, very proud of our Engineering staff at Fermilab; we hope to be on that list every year from now on."

Tevatron development and construction was funded by the U.S. Department of Energy.

SUPPORT SERVICES SECTION KEEPS ON TRUCKIN'



When you dial H-A-C-K to request Fermilab taxi service, the smile behind the voice you hear belongs to Roger Braun.

Did you ever wonder how you received the items ordered on a Purchase Order? Or how the stockrooms were able to issue pens or safety shoes? Who runs the Taxi service? Who changes the oil in the government vehicles? Who delivers items to the various buildings on-site? These things, as well as other responsibilities, such as Shipping and Storage, and Inventory Control are handled by Support Services whose home base is Site 38.

A recent month's (January) activity indicated 9,500 individual packages received, 11,707 packages moved weighing a total of 2,490,380 pounds, 4,201 taxi passengers, 2,859 gas cylinders handled, 19,422 stockroom issues, and many other activities which are necessary to help ensure a viable physics program. This activity also involves assisting Experimenters with U.S. Customs clearance for imported experimental gear, and the clearances necessary to return the gear and ship Fermilab equipment to other research institutions around the world.

The many functions performed by the Support Services Section are handled by separate departments. These departments (and their supervisors) are:

Receiving (Gordy Allen) has responsibility for keeping track of all in-

coming materials for the Laboratory, no matter how large or small. These packages can come from a vendor in Batavia or an Experimenter on the other side of the world.

Warehousing and Storage (Fred Assell) stores all of the experimental, mechanical, and electrical apparatus, and miscellaneous Fermilab records. This is done in 2 on-site warehouses. This department also operates the Railhead Storage Area.

Property Control (Al Lindner) keeps track of Fermilab equipment signed over to a particular department, and sensitive items, like typewriters, assigned to individual employees. This is also the department that tags property for inventory control.



L. to r.: Tony Villa, who transports gas cylinders on-site, Jack Riffell, Distribution supervisor, Dale Wilderspin, and Scott Borton, from Receiving.

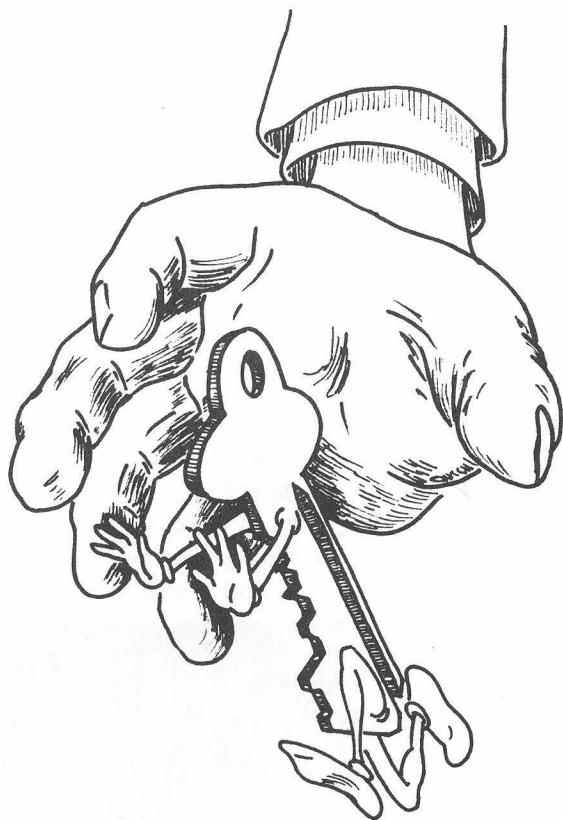
Vehicle Maintenance (George Davidson) takes care of all the mechanical repair work done on the 220 Government vehicles Fermilab uses. This includes everything from oil changes to filling gas tanks.

Stores (Gene Guyer) handles all of Fermilab's stock requests at 3 different locations: the main stockroom at Site 38, in the basement of Wilson Hall, and a stockroom for the metals shop in the Village.

(cont'd. on pg. 4)

UNLOCKING THE ANSWERS TO SOME KEY QUESTIONS

When the key is ready, the requestor is notified to sign a receipt and pick up his or her key on the 4th floor crossover. From start to finish, the entire process usually takes about eight days.



Now the job of keeping track of the key begins. A computer is used for that. A computer printout will readily show what keys are held by each individual, where they work, and when they got the key. This information is useful for accountability inventories, or when a person is transferred (and no longer needs certain keys), or is terminated (and must turn them in).

The printouts are also useful to managers for periodic review of who has access to different parts of the lab in light of changing operations.

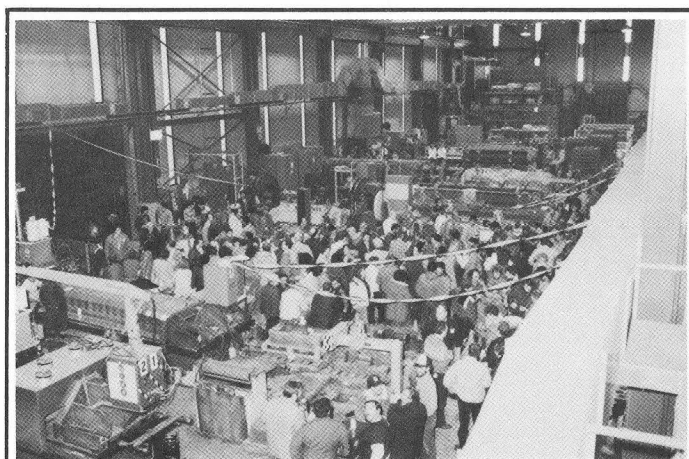
Since 1976, records show that nearly 5,000 Key/Lock Requests have been processed and over 7,000 keys have been issued. According to Don Fichtel, who supervises the locksmith shop, Fermilab spends about \$35,000 per year on keys and locks.

--John Paulk

The business of issuing keys and keeping track of who has them is taken quite seriously by the Site Services Department. It's all part of overall lab security, and several people and steps are involved.

To someone trying to get a key for the first time, the process may seem bureaucratic. In reality, it *is* a little bit involved--not altogether unintentionally.

The process starts with a Key/Lock Request form (available from Ellie at ext. 4080) which lists who, what, where, and why. First approval of the request is obtained at the Division or Section level, to ensure that the boss agrees the requestor should have access and needs a key. Next, the form is sent to Security where they make sure nothing inconsistent slips through. (For example, a master key which would allow access to many areas shouldn't be issued to someone needing a key to just one specific area). Then on to the Business Office where the request is recorded and sent to the locksmith shop for the cutting of the key.



A TeV I milestone was achieved in the middle of a February blizzard as John Peoples addressed the assembled multitudes of the Technical Support Section gathered to celebrate completion of Small Dipole #SDD-70, nearly the last of 1,000 magnets of various types used in the TeV I project.

R. Fenner, editor: S. Winchester, ass't. editor.

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(from pg. 2) . . . **SUPPORT SERVICES**



Among other things, Carol Weissert and Ron Haynes take care of sending packages from the Laboratory to various destinations.

Distribution (Jack Riffell) includes all of the truck drivers who transport materials from Receiving to the buildings around site. They also have a driver who goes to Argonne National Laboratory 3 times a week and a driver who goes to the Chicagoland area for pick-ups or deliveries. This department also handles the dispatching of the taxi service on-site.

Commercial Moves as well as **Importing, Shipping, and Exporting** (Ron Haynes and Carol Weissert) see to filling out the



L. to r.: Harold Scheppman, Jr., Lorraine Walter-Smith, Milton Martin, and Marilyn Collins in the Receiving Area.

paperwork for packages that must come through customs, sending express packages all over the world, and many other functions.

Support Services is comprised of 72 dedicated individuals who play a large part in serving the Laboratory. Keep up the great work!

--Bill Butler

TENNIS TEAMS WIN BIG

The Fermilab Tennis Team swept the courts in the West Suburban Industrial Tennis League this past summer. First place finishes in both the A and B divisions were the result. Amoco, Bell Labs, and Western Electric gave Fermilab some healthy competition, but we were too devastating.

A Team members included Charlie Briegel, Ray Dagenais, Yasuo Fukui, Lloyd Klein, and Steve Kuhlman. They were assisted to victory by Rol Johnson and Mel Storm.

B Team members included Rol, Mel, Chuck Ankenbrandt, Jim Catalanello, Scott Cunningham, Gene Dentino, Linda Even, Rodolfo Gonzalez, Bill Isiminger, Karol Lang, Mike May, Bob Oudt, Carmen Rotolo, Ed Serich, Wayne Waldon, and John Yoh.



Left to right are Carmen Rotolo, Mel Storm, Lloyd Klein, Linda Even, Steve Kuhlman, Rol Johnson, Charlie Briegel and Yasuo Fukui. Not pictured are Jim Catalanello, Scott Cunningham, Ray Dagenais, Gene Dentino, Rodolfo Gonzalez, Bill Isiminger, Karol Lang, Mike May, Bob Oudt, Ed Serich, Wayne Waldon and John Yoh.

Special recognition goes to the players competing in three or more matches who were undefeated: Doing a Great Job at 3 for 3 were Chuck Ankenbrandt and Bob Oudt. Doing an Excellent Job at 4 for 4 were Rol Johnson and Mel Storm. Doing a Superb Job at 5 for 5 was Steve Kuhlman. None of these superstars said they were ready to turn pro yet.

Next year the team will be fighting to hold onto these trophies. Keep practicing, and see you in the spring.

-- Linda Even

FOR RENT:

TWO-BEDROOM APARTMENT IN ST. CHARLES. In older home, with garage, porch, fireplace, beamed ceilings, completely carpeted; quiet non-smoking couple preferred. \$600 per month plus security deposit. Call David Lindley, ext. 3665.

FOR SALE:

AUTOS: 1978 PONTIAC GRAND LE MANS SAFARI 4-DR. WAGON. V6, A/T, P/S, P/B, A/C, cruise, AM/FM stereo w/cassette, lug. rack, 93,000 mi., very good cond.; \$2995. Call Rich, ext. 3868 or 690-1691.

1977 CHEVY IMPALA V-8. Excellent running condition; asking \$1500. Call Dave, 897-9355 days or ext. 4533 from 4 p.m. to 12 a.m.

MISC: FREE KITTENS. Call Maribelle, ext. 4241.

FREE CAT. Call Avril, ext. 3440.

1982 SUZUKI GS750T MOTORCYCLE. 800 mi., like new, adult driven, perfect condition, must sell; \$2,200 or best offer. Call Trudi, ext. 3228 or 879-2053 evenings.

1981 ARCTIC CAT PANTARA SNOWMOBILE. 450 mi., adult driven, used one season, handle bar warmers, tall windshield, 500 cc oil injected, excellent condition; \$1,000. Call Barb Burwell, ext. 3082.

TORO SNOWTHROWER-S200. \$50 firm. Call Rich, ext. 3868 or 690-1691.

STEREO EQUIPMENT. Pioneer integrated amplifier; 40 watts/channel, inputs for 4 speakers, 2 cassettes, 1 reel-reel, 2 turntables, pre-amp.; wood cabinet; \$150. Call Rick, ext. 3278.

STEREO EQUIPMENT. Compact disc player, \$195; AR stereo remote control, \$90. Call Tom, ext. 3230.

SCUBA EQUIPMENT. Extra large tank, custom fitted w/ATPACK flotation system, 1st and 2nd stage Dacor regulator system; Scubapro air pressure gauge; must sell, \$450 or best offer. Call Trudi, ext. 3228 or 879-2053 evenings.

GIRL'S 24-IN. 10-SPEED BIKE. Like new, metallic blue; \$75 or best offer. Call Robert Innes, ext. 3893.

For the following items call Jack, ext. 4976 or 3582: Tire chains for mid-size car 14-in. wheel, \$7 per set; sturdy steel-frame roll-away bed, \$20; older Speed Queen washer, \$45; and Kenmore gas dryer, \$25 in good working condition.

continued on reverse

4-PIECE SEARS BONNET WHITE FRENCH PROVINCIAL BEDROOM SET.
Includes: full-size head and foot boards w/frame, 9-drawer dresser, 4-drawer chest, large dresser mirror; sells for \$900 in Sears 1985 Catalog, will sell for \$400. Call Len Davis, ext. 4227 or 892-4508.