

FERMILAB NEWS

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ELCAR BECOMES DELCAR

Perking proudly, immaculate inside and out, Fermilab's first "Delcar" was showing off its stuff. The Laboratory had just transformed an "Elcar" into a "Delcar."

Putting this in more understandable language, Technical Services with the assistance of Vehicle Maintenance has converted one of the Laboratory's electric cars into a vehicle that will run on diesel fuel. The conversion was made as an energy conserving move since the ailing electric car was not living up to its potential, and the Laboratory could readily use the car on site. As Penelope Horak of Technical Services explained, "The Elcar always seemed to run out of energy at the most inopportune times."

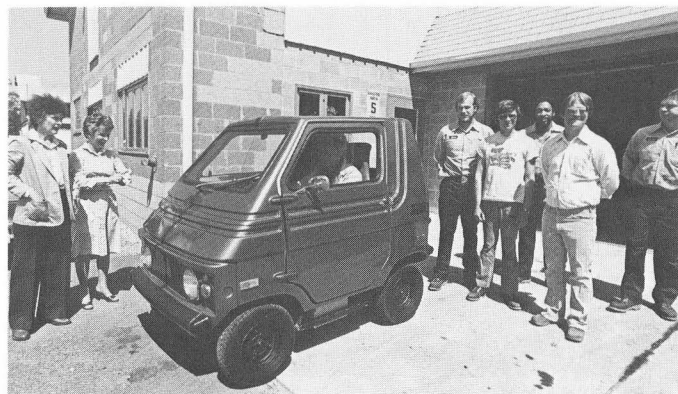
She worked closely with Tom Blachford of Vehicle Maintenance--the mechanic who did most of the nuts-and-bolts work in giving the car a second life. The vehicle originally came from Chuck Anderson of the Research Division. It has been retrofitted with a 13-horsepower, one-cylinder diesel engine that is fuel efficient and reliable to operate, said Horak.

"The objective is to provide the Laboratory with a car that is economical to run," Horak said. "It's cheaper than buying a new one for employees to use in their work." The car, of course, will be run primarily on site.

But there's another dimension to this story than just a pretty car. Working with it has given Technical Services the opportunity of continuing its innovative and progressive approach to resolving energy use problems on site, said Horak.

Boasting now of an iridescent metallic brown exterior, black racing stripes and a buff interior, the car is an eye-catching addition to the Fermilab fleet. As Horak put it, "Just seeing it tempts you to want to own it."

Having almost all the comforts of home, including a heater and defroster, the vehicle sports a fiber glass body. At the time it was unofficially christened by the Laboratory,



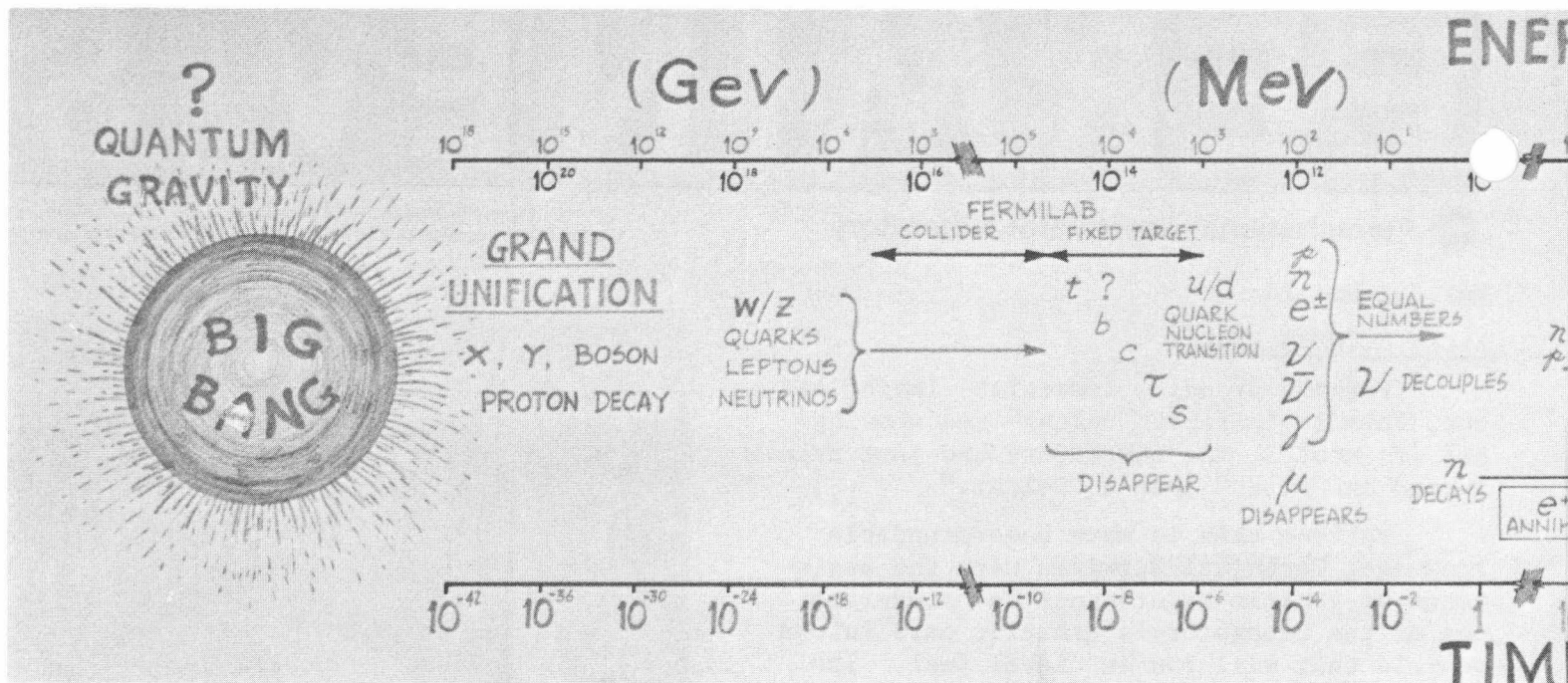
What's all the commotion about? Why, it's Fermilab's Delcar that's the center of attention. From the left are Penny Horak of Technical Services; and Loretta Nemec, Jim Bertellotti, Tom Blachford, "T.J." Jordan, George Davidson and Jerry Famera, all with Vehicle Maintenance. If you're wondering who is behind the wheel, well look at the picture below this one.



That's right, none other than Leon Lederman, Fermilab director.

the Delcar had only 49.5 miles on its gauge. But the big evaluation was yet to come.

To give the vehicle a rigorous acceptance test, Leon Lederman climbed behind the wheel, got instructions (you have to manually shift gears) from George Davidson, foreman of Vehicle Maintenance, and with a teeth-gritting smile, Lederman drove
(Continued on page 2)



HISTORY OF UNIVERSE MURAL

FERMINEWS has a special treat for its readers in this issue. On this page and the next is a history of the universe mural that can be cut out and tacked to bulletin boards. It's a compact, yet comprehensive reference that spans time from the big bang to the present.

The mural was prepared by James K. Walker, a physicist with the Neutrino Department. He and other Fermilab scientists used it to help teach the talented high school students who participated in the Saturday Morning Physics Program.

Walker has been with Fermilab for 11 years, "from the beginning," he said.

He came here from Harvard University, where he was a professor of physics.

The mural basically shows the different particles that existed during the time evolution of the universe. The mural also shows just how soon after the big bang Fermilab's fixed target physics takes its investigators. And when the colliding beams accelerator comes on line, it will push the experimental range even closer to that epic moment of creation. (For lay observers, the "1" along the horizontal coordinate is one second. Which means that Fermilab is doing its studies at energy levels that occurred about one-millionth of a second or less after the big bang.)

ELCAR BECOMES DELCAR (continued from Page 1)

the Delcar around Site 38.

Future work on the car will include reducing some of the vibration, and evaluating how many miles it gets to a gallon of diesel fuel.

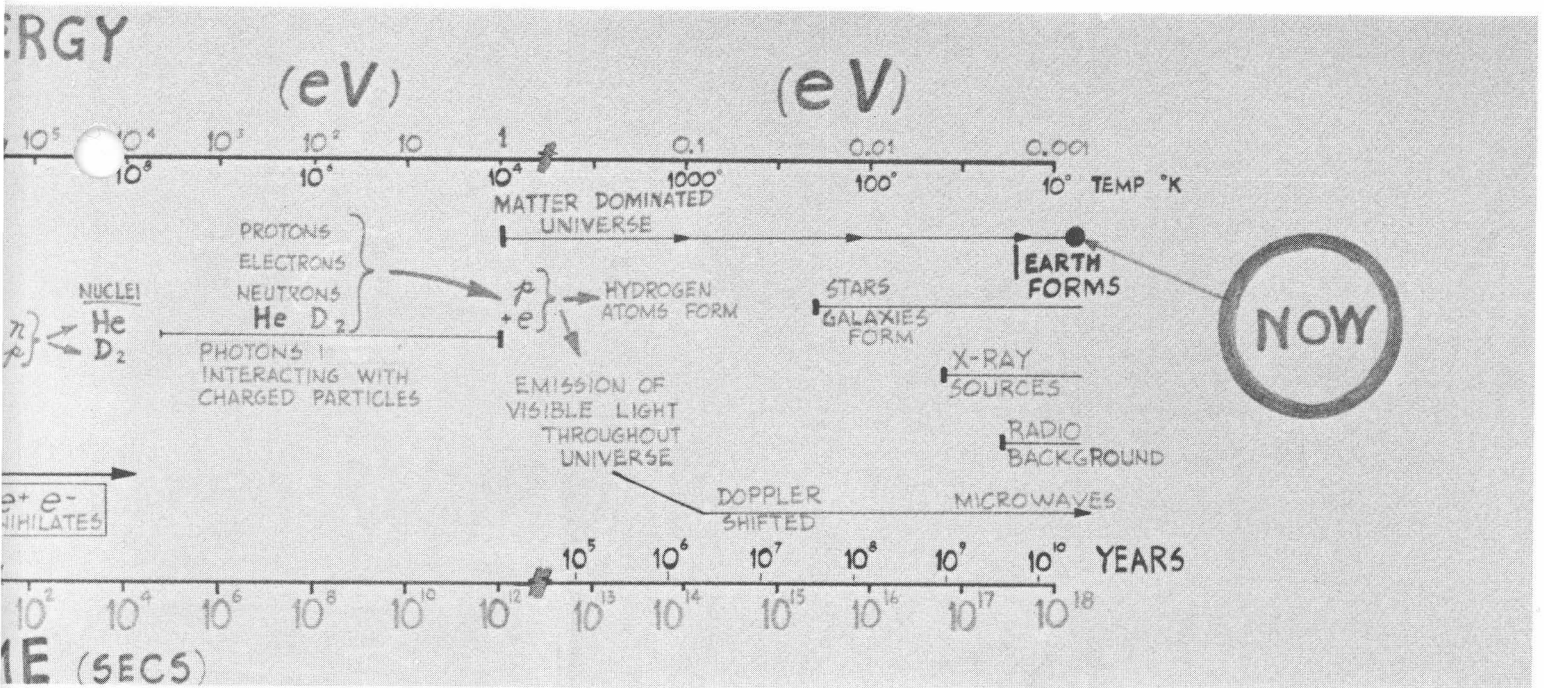
A NEW CHEZ LEON TREAT

In the near future, Chef Bill Ross will begin serving meals on Friday evenings at the Chez Leon, Fermilab's exquisite restaurant in the Users Center.

WE ARE NOT A ZOO

It was another one of those change-of-pace phone calls for Fred Ullrich, tour director with the Public Information Office.

A man from a nearby junior high school called to explain that his students are working on a zoo project and could someone from Fermilab come and talk about the cost of running a zoo. Ullrich explained delicately that Fermilab is not a zoo (although there may be some arguments about that) and recommended the gentleman try more practical places. (Perhaps he was thinking of the nuclear zoo...)



FERMILAB PRESENTS FOLK SHOWCASE

by Ruth Ganchiff
Cultural Editor

Dancin' and singin' and some good old-fashioned telling of tall tales will embellish the Folk Showcase coming to Fermilab June 27.

The showcase will begin at 8 p.m. in Wilson Hall auditorium. Tickets for reserved seats are \$5 each and may be obtained at the ticket sales desk in the atrium. To borrow a phrase, "Y'all come" to see and hear the dynamic and intricate patterns of clog dancers, the infectious good humor of the Lost World String Band and the prolific imagination of troubadour Gamble Rogers.

The Green Grass Cloggers are a group of southern Appalachian dancers and musicians from North Carolina who have been described by one reviewer as "...ever-loving, high-kicking, unbelievable..." In addition to their extensive tours of this country and Canada, they were selected to represent American Folk Dance in the CBS special "Julie Andrews' Invitation to the Dance."

The Lost World String Band draws from its repertoire of traditional music. The basic band instrumentation consists of fiddle, mandolin, five-string banjo, guitar and bass. But at the appropriate time, they may expand to include Cajun accordion, triangle, twin Irish accordians, ukulele, and others. Of course, along with that,

everyone sings.

Gamble Rogers is a teller of tall tales, a spinner of fantastic stories, not to mention his talent as a singer, songwriter, author and musician. He's a "good ole' boy," as they say in the South, who plays a mean guitar or takes the listener on an excursion into his hilarious home-grown world. He's been described as outrageous, a latter day Mark Twain with all of Twain's biting wit.

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The Green Grass Cloggers



SPORTS SHORTS

.....Fermilab employees and users can rent canoes at \$5 a day. Reservations may be made by contacting the Recreation Office, ext. 3126.

.....Wanted by the Recreation Office: enthusiastic tennis players to compete in team play against Bell Laboratories, Western Electric (Lisle facility), Amoco Research Center. Men and women will play in the A and B Divisions. Each team will consist of five to seven players. Competition will begin the last week in June. For more information, call the Recreation Office, ext. 3126.

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ACCIDENT CLAIMS FELS

Michael A. Fels died the night of May 28-29 from an apparent traffic accident.

He had been with Fermilab since October 1979 and was most recently a technician with Magnet Production, Energy Saver Division. Fels had attended George Williams College, Downers Grove, and North Central College, Naperville.

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It's all for fun, a run on June 1 around the Main Ring to honor Leon Lederman's (the gentleman in front) second anniversary as Fermilab director. About 35 people started, and those who finished were treated to breakfast at Wilson Hall. The runner who finished the fun run first was Rick Warner (not shown), son of Marv Warner, head of Architectural Services. Coming in second was Igor Meshkov (far right), USSR visiting scientist. The woman wearing the "Illinois" T-shirt (fifth from right) is Louiza Egozov, wife of visiting Russian scientist, Oleg Egozov, who also ran the four-mile track. The Director signaled the start of the race with a mighty wave of his arm and the ringing words, "Follow me."

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CHEZ LEON MENUS

Wednesday, June 17, 12:30 p.m., \$6.00: melon w/prosciutto, frito mixto de pesci, sauteed spinach w/garlic, tomato salad w/basil, biscuit tortoni. Thursday, June 18, 7:00 p.m., \$10.00: stuffed zucchini, roast duck w/orange sauce, wild rice, fresh fruit saute, salad, peach cardinal. For reservations, call ext. 3082.

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