

June 14, 1984

FERMI NATIONAL ACCELERATOR LABORATORY

EMPLOYEES WITH NO SICK LEAVE RECOGNIZED

Employees who have had no sick leave during 1982 and 1983, back row (left to right) are Arthur Paulsen, William Cyko, Eugene Beck, Billy Arnold, and front row (left to right) are Elizabeth Brown and Betty Kastner. Not pictured are Rodger Bossert, Arnold Kee, Robert Maly, James Reed, Ronald Stazak, John Steinhoff, Karen Swanson, and Steven Wesseln.



In addition to this group of employees, 14 other employees were recognized for the impressive record of having used no sick leave since they started employment, and 46 for having lost no time due to sick leave in 1983.

by Janet Gregory

Absence may sometimes make the heart grow fonder--but not when there is a Laboratory to run. The pleasurable part of monitoring Fermilab's sick leave usage is to identify those employees with outstanding attendance records. Seventy-four weekly individuals have been recognized by the Director for having used no sick leave. All started as regular employees prior to January 1983.

Those who have had no sick leave since they started at Fermilab include Claudie King, John MacNerland, Jr., Bruce Merkel, Linda Klamp, Robert Barner, Norman Brown, Louis Giebel, Melvin Rebuehr, Steven Johnson, Mark Flaherty, Gretta Anema, Theodore Bohn, William Graves, and John Willett. One of the employees in this group, Claudie King, BS/Support Services, has had no lost time due to sick leave since he started at the Laboratory on December 4, 1972.

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SPIRIT OF SNOWMASS SPREADS ACROSS LAND

by Paul Mantsch

Their Science had been good. Not at any time in history had there been a decade with such a rush of important discoveries. Theories had been confirmed and new insights had been found. At the same time, however, new questions were raised and old nagging puzzles had not been resolved even with the best, most powerful of their research instruments.

The day was clear in the late spring of 1982 when the Society of Seekers after Truth and Beauty assembled upon a mountain in the high Rockies, a place known as Snowmass. They came from all across the Land to chart a course for their Science in the years ahead.

It was an uncertain time. The Brothers were not of one mind about how best to use the resources allotted to their Science. Once assembled, the leaders of the great laboratories spoke of their accomplishments and their plans.

Then one arose from among the assembly, an elder renowned in story and song. He proposed a bold new idea, a mighty new accelerator, to be the largest scientific instrument ever built. This giant new instrument would allow men a penetrating look deeper into the proton than ever before seemed possible, an unexplored world of exotic particles and unknown forces. In this realm lie the keys to the essence of matter and perhaps the origins of the universe. Two highly intense beams of protons, each of 20 trillion electron volts energy, would be hurled at each other. In the churning broth of matter and energy at the fleeting instant of collision, a moment during the dawn of the universe would be recreated.

To realize such a machine, a ring of super magnets 60 or even 100 miles around would have to be built. To make this machine affordable, magnets would be designed that would cost half as much and operate on less than 20% of the electric power of even the best present super-magnets. The cost would still be great.

The excitement began to tug at the brothers as they left the assembly to meet in small groups. Soon the mountain air,



scented with pine and the blossoms of wild-flowers, began to resound with rowdy exchanges on how best to build the machine and what experiments should be done. There were those, as always on the threshold of great events, who grumbled that it was too big, would cost too much, and would never work. Their voices were drowned in the swell of enthusiastic support, not all well reasoned. But as those one and twenty days on the mountain drew to a close, the Spirit of Snowmass had touched all those who had come. Their Science was moving irresistibly toward a new horizon.

In the months that followed, events moved quickly. Word of Snowmass spread across the land, and indeed, across the seas.

Important questions were raised. Could a place be found for such a giant machine? Could a machine of that size be controlled? Could the cost of the machine really be made low enough that the Government of the People would agree? Groups of the Brotherhood, especially wise in accelerator engineering, accelerator physics, cryogenics, supermagnets or detectors met in places like Argonne, Cornell, Ann Arbor, Brookhaven, Chicago, and Berkeley to face the hard detailed problems.

On July 3, 1983, an event took place at Fermilab of the Flatlands that was of
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momentous importance. For the first time ever, an accelerator made of thousands of supermagnets had operated successfully. The coils of supermagnets made of special metal wire operate in a mysterious world so intensely cold that electrons responsible for conduction fall into such an ordered state that resistance to the passage of electric current vanishes. Magnet rings can therefore be made more powerful yet operate at a fraction of the cost of conventional machines. The key to a giant new machine is the supermagnet. That Sunday afternoon Fermilab had shown the way. The machine of the future could now be planned with confidence.

The time came for a great council of wise men of the Brothers to give their advice to the Government of the People on the best course for the Science. It was a difficult time, for there were heart-wrenching decisions to be made. But the men were courageous and strong, and they made those decisions. Plans, they said, should be drawn up at once to build a giant new machine and be ready for experiments in the early 1990s. It should have two beams each of 20 TeV and it shall be called the Superconducting Super Collider (SSC).

Officials of the Government of the People were cautious, as well they might be, for they only dimly perceived the vision of the Brothers. They asked how big it was, how it was to be built, and how long it would take. But most of all, they wanted to know how much it would cost. Although the answers to all these questions were not yet clear and in fact considerable disagreement existed as to what the answers might be. The answers, nevertheless, would be prepared in the form of a grand plan for the new machine that would include one complete machine with costs, together with summaries of other ideas and options. This so-called "Reference Design" would be presented to the Government of the People in the summer of nineteen and eighty-four.

The moment was right for the great vision to become reality. The mood of optimism was on the Land. The technical progress that enriches the lives of the People has at its foundation a vital and dynamic program of scientific research. The People know little of quarks and leptons. But they know curiosity. They know asking questions and seeking answers. They share the spirit of pioneers at a new frontier. And they know it is good. For they were great People of a great Land where boldness and innovation is legendary. This, after all, is the Spirit of Snowmass.

SCHOLARSHIP FORMS DUE

A scholarship has been established through the Geneva United Methodist Church in the name of John N. Smalley. John was a technician in the Safety Section until his death last August.

Applicants should be pursuing studies in a scientific field, presently enrolled at an accredited institution with a grade point average of at least 3.5, and senior level or above. Graduate students with specific goals will be given precedence. Most important is a sincere desire to achieve a specific goal. The amount of the scholarship is \$500. Deadline for applications is July 15, 1984. Please contact the United Methodist Church of Geneva, 211 Hamilton Street, Geneva, Illinois 60134, 232-7120, for more information and an application.

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Those employees who used no sick leave in 1983 include Mark Averett, James Biggs, Reyna Cardona, Steve Chappa, Larry Chiplis, Jacqueline Coleman, Donald Connor, Carol Diebold, David DuPuis, Wayne Eckert, Jordan Einstein, David Ford, Thomas Fritz, Howard Fulton, Lisa Gilley, Ronald Glavan, Stephen Gordon, Gerald Green, David Huffman, David Johnson, Gregory Johnson, Bryan Johnson, Terry Kiper, Chin Lee, Peter Lentini, Elroy Martins, John McBride, Jr., Ray Meisner, Simmie Meredith, Stephen Merkle, Kevin Murphy, Marvin Olson, Daniel Patterson, Jeffrey Roberts, Jerzy Samojluk, Robert Scala, James Schmidt, Irene Schramer, James Seeman, Donald Tokarz, Michael Utes, Angela Velasquez, Armstard Waldon, Bari Wetmore, Gilbert Whitson, and Robert Williams.

Wishes of continued good health to all!

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MIXED BOWLING LEAGUE RESULTS, OFFICERS ANNOUNCED

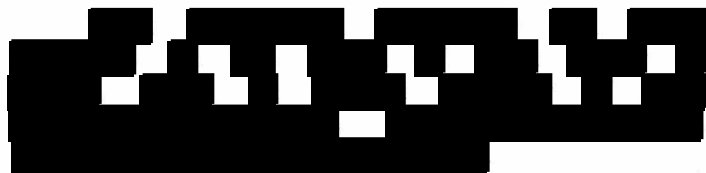


Next year's Monday Night Mixed League officers are (left to right) Pat Turkot, secretary; Ken Gray, treasurer; Jackie Coleman, sgt. of arms; Marti Bennett, vice president; and Angie Velasquez, president.

The first place bowling team for 1983-1984 Monday Night Mixed League season was Gary's Gang. Second place went to Thunder & Lightning. Most Improved Laurie Bennett, (tie) Brian Smith and Gary Sliwicki. High Series Scratch G. Smith (728), A. Velasquez (665). High Game Scratch Jack Jagger (288) and A. Velasquez (253). High Average Chuck Chizzo (198) and Angie Velasquez (180). Team Series Scratch #3 Gary's Gang (2885), #7 Thunder & Lightning (2862), and #2 239 Club (2771). Team Game Scratch #3 Gary's Gang (1034), #2 239 Club (992) and #7 Thunder & Lightning (988). High Series Handicap J. Jones (743) and Cindy Dieter (701). High Game Handicap B. Strickland, Jr. (311) and Pat Turkot (272). Team Series Handicap #6 Channel Cats (3156), #11 Bar Room Barf (3097), and #8 Mark's Harem (3089). Team Game Handicap #5 What Evers (1140), #10 The Turtles (1128), and #6 Channel Cats (1126).

Congratulations to all of the winners!

Congratulations To . . .



Next year's officers (1984-85) are (left to right) Ginny Ritchie, secretary; Jesse Guerra, president; Sherry Hickey, treasurer; and (not pictured) Ed Lavallie, vice president.

The first place bowling team for the 1983-84 Wednesday night mixed league season was All Pres's People. High game scratch Paul Kurylo (257) and Razena Lednický (225). High Series Scratch P. Kurylo (693) and R. Lednický (590). High Average P. Kurylo and Razena Lednický. Team Series Scratch, All Pres's People; Team Game Scratch, All Pres's People. High Series Handicap, Mark Knapp (742) and R. Lednický (680). High Game Handicap Todd Nebel (282) and Pat Turkot (261). Team Series Handicap All Pres's People. Team Game Handicap, Jedi Knights, Most Improved Bowlers Mark Knapp and Linda Mitchell.

FOR SALE

COTTAGE GUEST HOUSE AND ACREAGE. Main cottage, guest house, storage room, 1-car garage, three wooded acres, 85 ft water frontage, located in Flambeau Flowage near Mercer, Wisconsin. Call Jim Edwards, ext. 4471, for more information.

AUTOS: 1977 MALIBU CLASSIC STATION WAGON. P/S, P/B, A/T, A/C, AM/FM, \$1,500 or best offer. Call Jim Shallenberger, ext. 3673 or 4734.

1977 VOLARE STATION WAGON. Inside like new, good tires, very reliable, \$1,750 or best offer. Call Carlos, ext. 4400 or 879-5681 evenings.

1975 DODGE COLT STATION WAGON. Good condition in and out, AM/FM, A/C, luggage rack, stick shift, low mileage, \$695 or best offer. Call Romesh Sood, 469-6267 after 5:30 p.m.

1975 MG MIDGET. Rebuilt last year, excellent condition, Alpine stereo. Kevin Jordan, ext. 3259.

1977 CHEVY 1/2-TON PICKUP. Loaded, ideal for truck camper, extra clean. Call 231-8672 after 5 p.m.

CYCLES: 1980 HONDA XR80 MINIBIKE. \$375. Call Bill, ext. 3169 or 325-4608.

1975 YAMAHA RD350. Good shape, low miles, new tire, new battery, recently tuned up, \$500. Call 393-1228 after 5 p.m.

1972 HONDA CL350. New exhaust, chain, and sprockets, reliable commuter vehicle, \$350 or best offer. Call Dave, ext. 3162 or 898-7933 after 6 p.m.

MISC: 1970 COLEMAN POP-UP CAMPER. Sleeps 8, sound but needs some work, \$750. Call Jim, ext. 3792.

ARIENS 8 H.P. 30-IN. RIDING MOWER. Tecumseh recoil 4-cycle engine with dual 30-gal. rear grass bagger, purchased new Aug. 1981 for \$1,056. Selling for \$700. Call Homer Clover, ext. 3685.

LAWNCHIEF LAWNMOWER. In working condition, \$25. Call Romesh Sood, 469-6267 after 5:30 p.m.

continued on reverse

SPINET WALNUT CONTEMPORARY PIANO. Excellent condition, \$1,025 or offer. Call Sharon, ext. 4183 or 420-2787.

CRAFTSMAN 10-IN. RADIAL ARM SAW. With table, saw dust collector, and assortment of blades; excellent condition, \$350. Call Ralph Niemann, ext. 4896.

HAMIEX SUPER 8 CAMERA AND YASHICA SUPER 8 PROJECTOR. \$50. Call Richard, ext. 3499.

SAMSONITE LUGGAGE. 47-in. garment bag and shoulder tote, new, never used, two pieces for \$50. Call Bill, ext. 4597.

HOTPOINT AHCQ908FA ROOM AIR CONDITIONER. 7500 BTU/HR, high efficiency, EER:8.7, several years old but in excellent condition, kept in closet fall through spring, \$100. Call Casey, ext. 3868.

STUDENT INSTRUMENTS. Trombone, \$70; clarinet (wood), \$80. Call ext. 4366 or 879-1140 after 6:30 p.m.

8 HARD ROCK MAPLE DINING ROOM CHAIRS. Stripped, 3 need new dowels, \$120. Call LaDaune, ext. 3022.

SPRING ONIONS. Plants grow their own bulbs for replanting, winter hardy, never plant bunching onions from seed again, 50¢ per pound. Call Ernie, ext. 3254 or 815-895-4291.

For the following items please call Kerry Mellott, ext. 4972 or 665-8155. 12-ft boat, motor, oars, cushions, etc., \$750; 14-ft boat, motor, oars, trailer, \$575; 1970 Chevy pickup V-8, 3-sp., partly disassembled, \$225; 1973 Chevy wagon V-8, A/T, AM/FM, A/C, \$250; flatbed trailer, single axle 8×14 w/winch, \$250; 1973 Capri, 4-cyl., 4-sp., runs well, \$600.

WANTED:

SABBATICAL HOUSING. University of Minnesota professor will be visiting Argonne National Laboratory from September 1, 1984, to July 31, 1985, and is looking for housing for himself and family (wife and two boys, ages 4 and 6). Prefers to rent the home of someone on leave. Please call (612)-373-3794 (office) or (612)-929-3110.