

The Village Trier



fermi national accelerator laboratory

Operated by Universities Research Association Inc.
Under Contract with the U.S. Department of Energy

Vol. 10, No. 1

January 5, 1978

CHRISTMAS BIRD COUNT RESULTS

About 9,150 birds of 60 species were spotted in the second annual Fermilab Christmas bird count.

The count was conducted Saturday, Dec. 17, by the DuPage Audubon Society. Held in conjunction with the national Audubon Society's 78th annual census nationwide, the local tally enlisted 43 volunteer observers, including two Fermilab people. They were: David Carey, Computing Department and Hannu Miettinen, Theory Department.



...Fermi bird-counters were L-R: J. Kumb, R. Johnson, R. Hoyer, D. Carey, B. Foster...

Starting at 4 a.m., observers logged 78 hours of bird-counting time. The birders were divided into 11 parties of 4 to 6 persons each; five persons monitored bird feeders during the count. Fermilab was the focal point of the count area: a circle with a radius of seven and one-half miles as far north as Wayne; south to Aurora; east to Winfield; and west to the Fox River Valley.

Party-hours comprised 54 on foot, 24 by car and 22 at feeders. Of 425.5 party-miles covered, 367 were by auto and 58.5 on foot.

Richard Hoyer, staff assistant in the supply division at Argonne National Laboratory, coordinated the count activities. Paul Mooring was the compiler. The Fermilab area was among five Chicago areas where counts were made, Mooring said. Nationally, counters were at work from Dec. 17 to Jan. 2 on one-day counts.

Observers were assigned to eight sub-areas in the Laboratory count circle. Each volunteer was issued instructions, a bird checklist and documentation sheet to record unusual bird sightings. Volunteers chipped in \$1.50 each for materials.

In temperatures ranging from 45 to 60 degrees, the birders covered mostly open fields but also scanned woods, road sides, water and developed areas.

Starlings (1,605) led the list of birds spotted. Others included: mallard ducks (1,314); tree sparrow (965); and crows (538). Large numbers of Canada geese, dark-eyed junco and rock doves were also recorded. A complete list of birds counted is available in the Public Information Office.

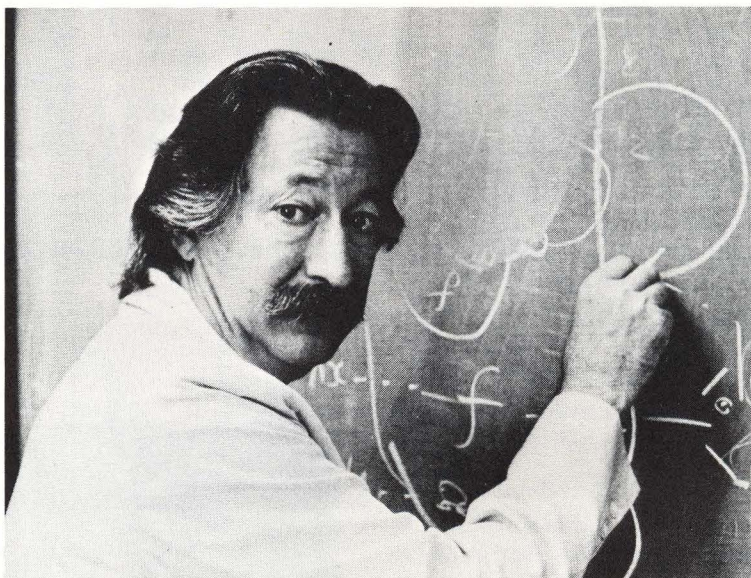
According to Mooring, unusual sightings included a vesper sparrow at Cantigny and a pine grosbeak spotted along the Prairie Path.

About 4:30 p.m., 25 bird-watchers gathered in the Central Laboratory atrium to compile results. The data from Fermilab and around the nation, Canada and Mexico will be tabulated and published this summer in the Audubon Society's American Birds magazine.

The information will be used to plot the winter range of North American birds and changes in bird ranges and numbers. In the past, over 25,000 persons have participated in the bird count. The U.S. Fish and Wildlife Service is a co-sponsor.

Last year, observers counted 8,177 individual birds of 60 species. Among unusual birds noted by 44 counters in 86 work-hours were two canvasback ducks seen in the Main Ring and three Short-eared owls also spotted on site. A Budgerigar (parakeet) reported near Winfield was among the most unusual sightings.

* * * * *



...Joseph Weizenbaum...

1977-78 Fermilab Science & Humanities Lecture Series Presents

"CAN COMPUTERS BE TRUSTED?"

by Joseph Weizenbaum

Professor of Computer Science, Massachusetts Institute of Technology

Friday, January 20, 1978

8:30 p.m.

Fermilab Auditorium

Tickets are available for "Can Computers Be Trusted?", the fifth program in Fermilab's 1977-78 Science and Humanities Lecture Series. Joseph Weizenbaum, professor of computer science at Massachusetts Institute of Technology, will speak in the auditorium at 8:30 p.m. Friday, January 20.

Prof. Weizenbaum will challenge popular computer myths, such as blaming computer malfunctions on programming errors. The speaker will also explore the relationship of computers to culture and society. Computer science education is a recent personal interest, he says.

A member of the General Electric team that developed the first computer bank deposit accounting system, Prof. Weizenbaum later designed a list processing language and in 1963, at MIT, helped create CTSS, the first large scale computer time-sharing system. ELIZA, a program for natural language communication between man and computer, also was developed by Prof. Weizenbaum.

The authority has written on computer subjects for a variety of publications. He has held appointments at: the Center for Advanced Study in the Behavioral Sciences, Stanford University; Technical University of Berlin; Columbia University, and Harvard University and has lectured on many other campuses. He is a fellow of the American Association for the Advancement of Science and a member of the Scientists' Institute for Public Information.

After the lecture, a reception with refreshments will be held in the atrium. The free series is made possible by support from the Illinois Humanities Council and the National Endowment for the Humanities. The series is designed to make the interrelationship of science and the humanities more understandable.

Tickets are required for admission. Reserved tickets may be reserved but must be claimed by 5 p.m. Thursday, Jan. 19. Contact the Guest Office, CL-1W (Ext. 3440).

* * * * *

BAHAMAS OR HAWAII? CHOOSE YOUR ESCAPE

Registrations are underway for NALREC-sponsored vacation trips to the Bahamas (February 17-20) and/or Hawaii (Nov. 3-10). Round trip jet air fare and hotel accommodations included in economy packets. For information contact Keith Schuh, Ext. 4048/4444.

* * * * *



*...L-R Sen. C. Percy, L. Fermi, E. Gold-
wasser socialize at 1974 Laboratory
dedication...*



*...Mrs. Fermi addressing audience at Labo-
ratory dedication ceremonies in 1974...*

I N M E M O R I U M

Laura Fermi
1907-1977

Laura Fermi, widow of physics pioneer Enrico Fermi, died Dec. 26, in Chicago after a short illness.

Mrs. Fermi, 70, succumbed to cardiac arrest. She died at the University of Chicago's Billings Hospital, a few blocks from the site of the first sustained nuclear reaction. Her late husband had designed the first atomic piles and produced the first nuclear chain reaction in a facility under stands at Stagg Field in 1942.

Private services were planned. Burial was in Oak Woods Cemetery, Chicago.

Mrs. Fermi visited the Laboratory site in 1974 to participate in ceremonies renaming the former National Accelerator Laboratory to Fermi National Accelerator Laboratory (Fermi-lab). Speaking briefly to the assembly, she said:

"I cannot think of any other place that has . . . as great a potential for science and so much esthetical value.

"Fermi predicted that as they (future accelerators) would grow in power and size they would not be built on the earth but around it, and physics laboratories would be in outer space. At the time his remarks caused great bursts of laughter. But Fermi was a good prophet: in the early 40's he belonged to a society of prophets at Columbia University, and earned the highest score for correct prophecies. Outer space laboratories are already a reality, and you may expect that at some future time accelerators will change the aspect of the earth and make it resemble the planet Saturn," Mrs. Fermi said.

Mrs. Fermi came to the U.S. from Italy in 1939 with her husband, known as the father of the atomic bomb. She was active in anti-handgun and anti-pollution campaigns.

Among several books she authored were: "Atoms in the Family," "Illustrious Immigrants: The Intellectual Migration from Europe 1930-41," "Mussolini," "Atoms for the World" and "The Story of Atomic Energy." She was co-author of "Galileo and the Scientific Revolution."

Mrs. Fermi founded the Civic Disarmament Committee for Handgun Control. She also founded the Cleaner Air Committee of Hyde Park and Kenwood and served on the Chicago Air Pollution Control Commission. She was a member of the board of the International House of Chicago and the women's board of the University of Chicago. She was a Guggenheim fellow in 1957.

A year after her husband won the Nobel Prize for physics in 1938, the couple fled to the U.S. from the Fascist regime in Italy. She is survived by a daughter, Mrs. Nella Weiner, of Chicago; a son, Giulio, a microbiology researcher at Cambridge University, England; and two sisters in Italy, Mrs. Anna Montel and Mrs. Paola Franchetti.

* * * * *

ICE SKATING REMINDER

Fermilab ice skaters are reminded that not all site ponds and lakes are open to the sport. Recommended for skaters are the two reflecting ponds in front of the Central Laboratory. Off-limits are Swan Lake, Main Ring ponds and Casey's Pond. Skating is permitted on other ponds at skaters' discretion.

* * * * *



...Ice skaters test their skates on Fermilab reflecting pond...

FORMER CERN DIRECTOR DIES

Dr. Bernard Gregory, director of CERN (European Nuclear Research Center) for four years, died Christmas day in Paris. He was 58. Dr. Gregory headed CERN from 1966-70. From 1973-76, he was director general of France's National Center for Scientific Research. Dr. Gregory, an expert in cosmic ray research, played an important role in the postwar revival of French and West European science.

* * * * *

F.A.S.T. CLASSES COMING UP

Two Fermilab Applied Skills Training (FAST) classes are about to begin. They are:

BASIC ELECTRICAL CONTROLS FOR MECHANICAL TECHNICIANS -- Monday and Wednesday, 4-6 p.m. (Jan. 16 - Mar. 8). The class is designed to acquaint mechanical technicians with basic electrical control circuits for pumps, motors and other equipment. Instructor: Jim Garvey.

BASIC CRYOGENICS FOR TECHNICIANS -- Monday and Wednesday, 4-6 p.m. (Jan. 16 - Mar. 8). A broad introduction to the field of low temperature refrigeration from the technician's view, including history and terminology with an emphasis on practical aspects of low temperature techniques, will be offered. Instructor: Don Richied.

For application forms or more information, contact Ruth Christ, training officer in Personnel, CL-6E (Ext. 3324).

* * * * *

IMPORTANT JANUARY DATES

Tuesday, Jan. 17 - Ice skate exchange, 11:30 a.m.-1 p.m., CL-1W

Friday, Jan. 20 - Science & Humanities Lecture, 8:30 p.m., auditorium.

Sunday, Jan. 22 - Ice skating party, details to be announced.

* * * * *

LAST CALL FOR 'CRIER' NAME SUGGESTIONS

Friday, January 13, is the deadline to submit new name suggestions for the current "Village Crier." Response has been positive, but more ideas are welcome. Please put your idea down on paper, add some rationale for its appropriateness, and submit it to the Public Information Office, CL-1W. Do it today!

* * * * *

AMATEUR RADIO . . . Novice classes will be taught at Wheaton North High School starting Jan. 10, from 7:30 to 9:30 p.m. For more information, call 653-0210.

* * * * *

INTER/NATIONAL FILM SERIES

January's feature will be "The Tall Blonde Man With One Black Shoe," 8 p.m. Friday, Jan. 13, in the Central Laboratory auditorium. At the door will be tickets - \$1.50 for adults; 75¢ for children.

* * * * *

FOR SALE: 4 vinyl, red and orange Mediterranean kitchen chairs with black grillwork. Good condition. Cheap!! Call 879-5861.

FOR RENT - Ivy Glen. 3 bedroom condo, air, carpeted, garage, refrigerator, stove, dishwasher, disposal, occupancy Feb. 6th, \$310 a month, security deposit. Greg Lawrence, 557-2523 or Ext. 3677.

WANTED - Used piano. Call Paul Zemary at 969-1386.

WANTED - Avid philatelist needs your foreign stamps. Please save them and call me at Ext. 3447 or mail them to CL14W. Graciela Finstrom.

FOR SALE - Winchester model 94/30-30 cal. carbine rifle with scope and mount. New, \$135. Call Ted at Ext. 4072.

FOR SALE - Fender "custom telecaster" guitar, \$200. Fender bassman 50 amp and speakers, \$350. Call Lyle at Ext. 4081 or 584-7998.

FOR SALE - Brand new Wards "Go-Getter" sealed, 60 mo. 12-V battery, \$30.00. Call Lyle at Ext. 4081 or 584-7998.

FOR SALE - '70 Chevy Kingswood wagon. 400 cu. in., V-8, excellent body and running condition. Call Lyle at Ext. 4081 or 584-7998.

FOR SALE - 1969 Grand Prix. Good transportation. \$500, firm. Call Edward at Ext. 4461.

FOR SALE - G.E. Console. Good condition. AM-FM radio, automatic turntable, walnut cabinet. \$150 or best offer. Call Edward at Ext. 4461.

FOR SALE - UNIVOX STRING ENSEMBLE - has violin, 'cello and contrabass stops, vibrato/delay, 3 stage EQ controls and six octaves. Will sell or deal for that used moog you have in your garage. Call Greg Taylor at Ext. 3555.

FOR SALE - 2 pink couch sections. \$100 or best offer. Call Debbie Spohn at Ext. 4276.

FOR SALE - Remington - Nylon 77, 22 cal. clip fed, semi-automatic rifle, with extra clips; Ithaca 30" full, 12 ga. pump shotgun with recoil pad; H & R Topper Jr., 20 ga. single shot. All in excellent condition, \$50, \$110, \$30; cases available at extra cost. Call George at Ext. 3355.

WANTED - Used cornet. Call Merle Haldeman; Home phone 964-0185/work Ext. 3958/3263.

FOR SALE - Girl's white figure ice skates, size 1 (one), \$7.00. Call Rich Parry at Ext. 4438 or 879-8987.

FOR SALE - '73 Regal, vinyl top, 350 engine, air cond., p. steer., p. brakes, radials, clean. \$2400 or offer. Call Betty at 3841 or 393-3190.

FOR SALE - '55 Chevy, 2 dr. hardtop, Belair 454, 4-speed, glass frontend, straight axle, radiused wheel wells, Pontiac rearend. Extra sharp. \$2700 or offer. Call Betty at Ext. 3841 or 393-3190.

FOR SALE: Pole lamp; 26" black/white TV; 8 ft. green Christmas tree; green contemporary 3 cushion sofa. Call Lucy, Ext. 3275.

FOR SALE: Ice skates, men's hockey, size 11; figure, size 10; girl's figure, size 7; take all - \$7.50. Call Bob Kreml, Ext. 4455.

FOR SALE: Portable, wall-mounted heater with automatic thermostat. New, never used. Ideal for unheated garage, etc., \$10. C. Plezbert, Ext. 3205.

FOR SALE: Electric range - excellent cond., will sacrifice, Sears Kenmore "Classic", fully automatic, upper/lower ovens, two 8" and two 6" surface units, height 60", width 30", depth 28". Call Ed Brezina, Ext. 3580 or 312-323-0794.

FOR SALE: Basement storm windows - new, white pine, 1" x 22" x 29" with two panes of double strength glass 12" x 18". Reasonable. Call Ed Brezina, Ext. 3580 or 312-323-0794.

FOR SALE: 1973 Chevrolet Malibu, excellent condition, 6 cylinders, no power or air, must sell - \$1600. Call Judy Ward at Ext. 3211.

FOR SALE: 1973 Olds 98 Regency, 4 dr, full power, excellent condition, very clean. Call J. Hogan at Ext. 4459.