

# The Village Courier

 national accelerator laboratory

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## PROGRESS REPORT

The Main Ring reached an intensity of  $10^{12}$  protons per pulse for the first time on Sunday, November 26, using seven Booster pulses.

### A GLIMPSE AT 8,000 YEARS OF HISTORY

*"He lives twice who can at once employ the present  
well and even enjoy the past..."*

Some of the tools used by people inhabiting the land of the National Accelerator Laboratory over the past 8,000 years returned for a brief visit on Wednesday, November 22. Mr. August Mier of Batavia brought his unique collection of over 900 pre-historic artifacts to the Laboratory, picked up in over sixty years of walking the grounds which are now part of the world's largest facility for the study of sub-atomic particles.

As the prairie land was cleared for farming in the late 1800's, plows turned up many of the objects that had been hidden so long. Many people, like Mr. Mier, began to collect the strange souvenirs -- pieces of bone and pottery, tools, and the arrowheads used for hunting by the ancient peoples. Many of the pieces are works of art, in stone, slate, and metal.

One of Mr. Mier's prized sets of arrowheads he calls Fox Valley Clipped Wings -- small, precisely-shaped points with delicate serrated edges. "I don't think these were used for hunting," he says. "They are too fragile. They

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*...Several frames of Fox Valley Clipped Wings are among the artifacts collected in this area by August Mier of Batavia...*

(Photos by Tim Fielding, NAL)



*...Stone tools of prehistoric people found on NAL site by August Mier over the past sixty years...*



*...August Mier (center), Ed Brezina (L), and George E. Ruchty of Hinsdale, who also collects artifacts...*



were either used in ceremonies or to demonstrate the skill of the maker. They are very rare."

Mr. Mier has mounted his collection on bright-colored foam material inside stainless steel frames 9 inches x 12 inches. He has arranged the points in a variety of designs, grouped according to the location where he found them. Each piece is labelled with the date of finding which coordinates with a master log book Mr. Mier maintains. He has walked most of the twenty-five mile area around Batavia, an exercise he began after an injury he suffered in World War I threatened to disable him.

In 1971 Mr. Mier loaned a portion of his collection to Miss Ann Early, an archeologist who spent two summers studying the NAL site. His careful recording of the locations of his findings allowed Miss Early to identify thirteen additional sites where life had previously existed. Miss Early found that Mier's collection included samples of seven cultural traditions dating back to 7,000 B.C. Mr. Mier's collection has now been carefully photographed for inclusion in NAL's historical records.

The relics represent not only glimpses into the life styles of those people who roamed so long ago, but also Mr. Mier's recollections of the past sixty years and the people who settled the prairies of the NAL site. As a youngster wandering the fields, he listened to tales that were told of wood cutters in the NAL "Big Woods" levelling by hand walnut trees four feet in diameter that were then shipped from Chicago by boat to England. Another group of men told of an oak tree on the Griffith property eight feet in diameter that took two weeks to cut down.

"It was a time when there were flocks of quail and prairie chickens here. The swamps had geese, ducks, plover and snipe. Some had fish, and I have seen many strings of yellow-bellied bullheads caught there. Turtles were a nuisance, and some days logs were loaded with them, sunning themselves," Mr. Mier recalls.

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D. POLL ATTENDS EMERGENCY TRAINING MEETING

*Dorothy Poll, R.N. in NAL's First Aid Department, attended a four-day symposium for hospital emergency department nurses sponsored by the American Academy of Orthopedic Surgeons November 9-12 at the Americana Hotel, Miami Beach, Florida. The course of lectures and audio visual demonstrations covered all phases of medical care rendered in the hospital emergency room to ill and injured persons as well as emergency care by industrial and public health nurses. The course was given in cooperation with the University of Miami School of Medicine and Jackson Memorial Hospital.*

\* \* \* \* \*



Dorothy Poll

NAL HOLIDAY ACTIVITIES

S. CLAUS TO LAND HERE SUNDAY, DECEMBER 10

Santa's coming to NAL on Sunday, December 10. He'll be at the Village Barn visiting with the children, ages 2-10, of NAL, Advance Security, and B & H Janitorial employees as well as children of visiting experimenters. Parents with last names A-M should bring their families from 2-3 p.m.; N-Z, from 3-4 p.m. (All children should be accompanied by an adult.)

A strolling clown will add to the fun and light refreshments will be served.  
NO CHARGE!

DINNER DANCE AT ST. ANDREWS, DECEMBER 17

Tickets are selling fast for the 5th Annual Christmas Dance to be held Sunday, December 17 from 6:30 p.m. to midnight at the St. Andrew's Country Club, West Chicago. Priced at \$5.00 per person, the evening planned by NALREC includes a cocktail hour, dinner, and dancing to a 4-piece band. Roast prime rib of beef will be served; ticket includes two free before dinner drinks.

For tickets and further information, see your NALREC representative. Visiting experimenters are welcome.



## AEC APPOINTMENTS ANNOUNCED

Dr. John M. Teem will become Director of the U.S. Atomic Energy Commission's Division of Physical Research on January 1, 1973.

A Harvard-trained nuclear physicist, Dr. Teem joined the Xerox Corporation in 1967 and has been Director of the Technical Staff, Corporate Research and Development, there. He assisted in long-range planning of research programs and in forecasting the economic and sociological environments for technological projects at Xerox. Since January 1972, he has been a member of a small group of Xerox employees on social service leave. He has been working in an experimental school in White Plains, New York, teaching physics in a science program he helped design to prevent dropout by students who fail to adjust to a conventional school program.



*Dr. John M.  
Teem*



*Andrew E.  
Mravca*

Previously, when associated with the California Institute of Technology at Pasadena, Dr. Teem conducted research in elementary particle physics, served as head of the bubble chamber group and taught undergraduate physics. In 1954 he conducted research in nuclear physics at the Cyclotron Laboratory at Harvard and earlier, worked as a research assistant at the AEC's Los Alamos (New Mexico) Scientific Laboratory.

Andrew E. Mravca has recently been appointed Deputy Area Manager of the U.S. Atomic Energy Commission office at NAL. Mr. Mravca received his Bachelor of Science Degree in Mechanical Engineering from the Illinois Institute of Technology in January 1957. From 1957 through 1958 he studied Reactor Engineering at the International School of Engineering as part of the Eisenhower Atoms for Peace Program. In 1967 and 1968, he studied Technology and Public Policy at Princeton University under a Woodrow Wilson Fellowship.

Since June of 1968, Andy has been a part of the team that has built the National Accelerator Laboratory. "I've enjoyed the good communication and esprit de corps here," he notes. "We have always been able to pull together all of the varied opinions on design and construction and safety, even though a lot of different people with a lot of different backgrounds have been involved. I think it's because we have here a group of sincere, dedicated people, and that's bound to make a dedicated Laboratory."

"Now we look forward to the new technologies that will come out of NAL, and hope they will be useful in reducing some of society's problems," Andy observes.

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## FRESH CHRISTMAS TREES ON SALE AT MARMION

NAL's neighbor to the west, Marmion Academy, is again offering its "Cut Your Own Christmas Tree" plan in the Abbey Pine Forest on Butterfield Road, about five miles west of NAL. Trees may be cut any day from now until December 23rd, from 9:30 a.m. to sunset. Fresh cut trees may also be purchased. White Pine, Red Pine, and Scotch Pine varieties are for sale. Price of trees, all sizes, is a \$5.00 donation to the Marmion Abbey. Come early for best selection. Bring your own axe or saw if possible, but tools may be borrowed.

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## DECEMBER FILM AT NAL

The NAL International Film Society's December film show "Last Year At Marienbad," will be held on Friday, December 8 at 8 p.m.

A 1961 French production, this film portrays with brilliant photography and sumptuous settings, the story of a couple who "may have met before...perhaps at Marienbad." The plot depicts the subjective ways in which people associate events of the past with the present.

"Be prepared for an experience such as you've never had from watching a film..." critics have said of the show.

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NAL LIBRARY NOTES.....Discarded 1970 preprints will be available in the Library through December 8th.

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### DECEMBER NALWO EVENTS

Saturday, December 2 - Gourmet Group's Annual Christmas Smorgasbord - 7:30 p.m., home of Sonja and Tom Collins, Elmhurst. National dishes will be featured. Sing-A-Long will follow dinner. Call Mary Otavka (969-6199) for reservations.

Tuesday, December 5 - 10:00 a.m. - Village Barn - Cooky exchange with coffee, pleasant conversation. Bring three dozen cookies and favorite recipe. Babysitting available at White Farm, 75¢ per child.

Wednesday, December 6 - Bridge Group - 1 p.m. - White Farm. Call Mary Fray, 232-0724 for information.

NALWO Playgroup for preschool children meets three mornings each week at the White Farm. Call Ellen Ljung, 231-8513 for information.

### ARGONNE CHAMBER MUSIC SERIES ANNOUNCED

Tickets are now on sale for the "Chamber Music At Argonne" series, to be held in the HEP Auditorium at the Argonne National Laboratory. The three-concert series includes a Chicago Symphony quartet on Monday, December 11; Chicago Symphony trio on Tuesday, February 13, and Woodwind Arts quintet on Tuesday, April 10, as well as a guest artist with each group. Price for series is \$10; the programs begin at 8:15 p.m. The Supper Club, Building 617, will be open for cocktails and dinner before each concert. The menu ranges from DeLuxe Hamburgers and Chicken-in-the-Basket to Steak Sandwiches, at prices from \$1.25 to \$3.50. Reservations are requested.

Tickets and further information about this series may be obtained at NAL from Margaret Green, Ext. 3205 or the NAL Visitors Center, Ext. 3560.

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### CLASSIFIED ADS

FOR RENT - Jan. 15th to July 15, 1973, furn. 3 bedrm, 1½ bath house in N.E. Wheaton. \$250 per month. Call S.J. Rothman, 665-1374 or (Argonne) 739-7711, Ext. 3417.

SUBLET - 2 bdrm. apt., central air, appliances. Ideal location, 1 mile from East Gate. Call Mike Froehlke, Ext. 3721 or 393-9826.

FOR SALE - 1966 Dodge Coronet, excel. cond., gd. tires/radio/htr. Yellow w/blk. vinyl roof. Firm, \$600. Call Dan Smith, Ext. 3555 or 766-2711.

FOR SALE - 1967 Pontiac, 2/dr. H.T., 400 eng. 4/spd. Bucket seats, new tires/brakes/battery. \$725. Call Dick Gorski, Ext. 3712 or 879-2119.

FOR SALE - 1963 Jeep Wagoneer w/4WD, 4 snow tires, parking stickers for CERN, Cornell, Brookhaven and NAL. Best Offer over \$150. Call Dave Ritchie, Ext. 3205.

FOR SALE - Ford Camper, 4/wheel dr., winch, self contained, a/c, 4 spd trans., utility body. Many other extras! Only \$2700. Call George Reed, Ext. 3730 or 231-3163.

FOR SALE - 1971 Datsun 1200 Fastback. 30/40 mpg., 22,000 mi., \$1514.35. Call John Ingebretsen, Ext. 3511 or 964-6988.

FOR SALE - 1 set of snow tires, F-78-14 stud/wheels (used 3 mos.) \$50 pr. Call Jean Plese, Ext. 3291 or 815/726-4631.

FOR SALE - 1 pr. stud/snow tires, 6.95x14 - \$25; snow tires, 1 pr. 155 SR 13-\$50. Call Tony Salvaggio, Ext. 3786 or 858-5250

FOR SALE - Pirelli radial tires, 650-14, like new, 5 tires, 3 wheels, \$100. Call Dick Figlik, Ext. 3287 or 365-9102.

FOR SALE - G.E. Refrig., gd. shape, reasonable. Elec. water pump w/storage tank. Call John Hackemer, Ext. 3623 or 355-6589.

FOR SALE - Walnut end table, top has curved edges. Call Ed Brezina, Ext. 3763 or 323-0794.

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The Village Crier is published by the Public Information Office of the National Accelerator Laboratory Margaret M.E. Pearson, Editor. Correspondence may be directed to the address below. Telephone number of the Laboratory is 312 840-3000

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