

Fall is Start Date for Math-Science Academy

by Marguerite V. Cox

Gifted students from all over Illinois will be congregating in the Fox Valley next fall to form the first class of the Illinois Math-Science Academy. Designed for highly talented 10th through 12th graders, the residential school will be located in Aurora, Illinois. Assuming that further funding is approved by the state legislature, dormitory facilities will be constructed on the site formerly known as the north campus of Aurora West High School.

The Math-Science Academy was the brain child of Fermilab Director Leon Lederman. A feasibility study conducted in October of 1983 was sponsored by the Friends of Fermilab Association (FFLA) and the Corridor Partnership for Excellence in Education, with the leadership of Marge Bardeen, FFLA's program coordinator. Thirty-nine Illinois high-school teachers, administrators, industry representatives, Fermilab scientists, and college and university professors developed a proposal for Illinois

Governor James Thompson, who presented it to the state legislature. That proposal led to the legislation appended to Senate Bill 730 by State Senator Forrest Ethridge (R.-Aurora), which authorized the creation of the Academy.

Curriculum for the Math-Science Academy was recently designed by the state-wide Steering Committee which includes eight members of FFLA: Marguerite V. Cox, Stanka Jovanovic, Leon Lederman, Robert Marshall, Stephanie Marshall, Joe Meyer, Bill West, and George Zahrobky. As proposed, the curriculum will offer rigorous and accelerated coursework in science, mathematics, the humanities, foreign language, and the arts. There will be opportunities for independent study and research with advisors from Illinois industries and research laboratories. Every student will participate in community service activities outside the classroom. In addition, a rich co-curricular program will be provided.

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August J. "Augie" Mier
1892 - 1986

Augie Mier: Local Pioneer

August J. "Augie" Mier was as much a part of the rich history and tradition of the Fox Valley as were the arrowheads and Indian artifacts he collected over the span of a 93-year lifetime. Augie Mier passed away on February 25th of this year, but the more than 500 arrowheads he donated to Fermilab in 1977 are on permanent display on the 15th floor of Wilson Hall, a link to the pre-Fermilab history of this area, and a testimony to Augie Mier.

According to an *Aurora Beacon-News* interview with Mier's lifelong friend, Harold Maves, "Augie was a real expert in Indian lore and the history of the area. During Batavia's centennial, he discovered the site of the cabin Christopher Payne, Batavia's founder, lived in on Wilson Street, and led a dig to find artifacts from that time.

"He was also 'Mr. Republican' in Kane County in the '20s...[He was] appointed Batavia postmaster by President Eisenhower,

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The Math-Science Academy will be a "flagship" for math and science education in Illinois. New curriculum materials will be developed and shared with teachers from other Illinois schools. In addition, summer workshops will be held to train teachers in current scientific and technological ideas. The Academy will also be of benefit to the state of Illinois. It will have close ties to Illinois colleges and universities and will, therefore, work to keep its graduates in Illinois for their university careers.

Funding for the Math-Science Academy is to be a joint venture between the state of Illinois and private industry, particularly firms located in the so-called "High-Tech Corridor" along Illinois' East-West Tollway. Operating costs are estimated at \$6 - 9 million per year. It is expected that the final Academy enrollment of some 800 students will have a negligible effect on the student population of other Illinois high schools.



Director's Special Colloquia

Continuation of the Director's Special Colloquia on Topics in High-Energy Physics. A series of colloquia designed for the non-specialist physicist, addressing areas of unusual interest in theoretical and experimental high-energy physics, will be presented in the Ramsey Auditorium:

- "Linear Colliders," Burton Richter (Stanford Linear Accelerator Center), April 3, 1986, at 4 p.m.

- (Topic to be announced), Israel Singer (Massachusetts Institute of Technology), April 10, 1986, at 4 p.m.

- "CP - Past, Present, and Future," James Cronin (University of Chicago), May 1, 1986, at 4 p.m.



Housing Note

The deadline for receipt of reservations for summer on-site housing is Friday, March 21, 1986. Housing assignments will be made in April, and responses will be mailed April 11. The starting dates for summer occupancy will begin June 1. For further information, contact Pam Naber or Cheryl Bentham on ext. 3777.

... "Mier" cont'd from pg. 1

a job he kept until 1961. He was also Batavia Township assessor.

"Augie was really an illustrious guy. He could have filled a dozen books with his activities. He was a self-made man."

The *Beacon-News* article goes on to state that "One of Augie's proudest moments was being honored by [Fermilab's then-Director], Robert R. Wilson, for donating his huge collection of arrowheads...The arrowheads were found on what became [the] Fermilab site."

"He took great pride in being a personal friend of Dr. Wilson's," Maves recalled.

Margaret Pearson of the Fermilab Public Information Office told the *Beacon-News* that Mier showed his collection of Indian artifacts to Lab officials when Fermilab first opened in the village of Weston in 1970.

"The artifacts, all found on our property, represented 60 years of collecting," Margaret said. "He had every one marked as to the date and location found. The collection is invaluable to us. We were newcomers here, but this gave us some roots to the area. It helped put our genealogy in place. We continued a warm, friendly relationship with Mr. Mier since then, and we will miss him."



Blues, Jazz, Swing at Lab

Seven "legendary greats" from the golden age of swing, together with an internationally acclaimed country singer-songwriter may seem an unusual combination, but when The Harlem Blues and Jazz Band and Rattlesnake Annie get together in Ramsey Auditorium on April 12, 1986 at 8 p.m., the entertainment will be non-stop.

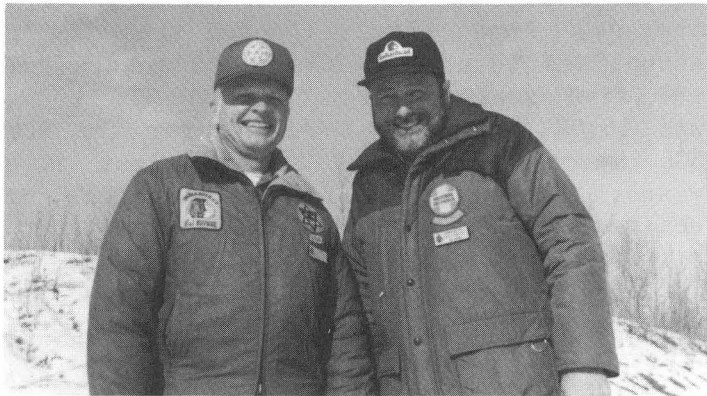
Admission to this special "Country and Blues" concert is \$8, and tickets are available at the Information Desk in the Atrium of Wilson Hall, ext. 3353. Box office hours are 10 a.m. to noon, and 1 p.m. to 4 p.m., weekdays.



Kristol's Law: Being frustrated is disagreeable, but the real disasters in life begin when you get what you want.

Riehl, Vanecek Members of the National Ski Patrol System

Many Laboratory employees are involved in varied and interesting spare-time activities which require much time, dedication, and enthusiasm. Two such individuals are Reid Riehl of Facility Operations and Engineering, and Bob Vanecek of Accelerator Division Construction Coordination and Scheduling. Both are members of the National Ski Patrol System (NSPS).



*Reid Riehl (left) and Bob Vanecek
(Photo courtesy of Michelle Gleason)*

The NSPS offers first aid to injured skiers and promotes safety on the ski slopes. Some large ski areas maintain a professional patrol, but the vast majority of areas are serviced by volunteers of the NSPS.

In order to become a basic patroller, one must successfully complete a 52-hour advanced first-aid course, a CPR course, and NSPS first-aid test, a skiing-proficiency test, and an on-the-hill toboggan-handling test. Annual attendance at refresher courses in first aid and CPR, as well as participation in an NSPS hill refresher course, is required of all patrollers in order to maintain active status in the ski patrol. Reid and Bob are Senior Patrollers and were thus required to pass higher-level proficiency tests in first aid, skiing, and toboggan-handling. In addition, they must attend an annual chair-lift evacuation refresher course (necessary in the event a ski chair-lift malfunctions while carrying passengers). Starting in late summer, many weekends are devoted to these NSPS activities.

Reid joined the patrol in 1966, and became a Senior Patroller in 1967. He was named National Patroller in 1977. Being named a National Patroller is an honor reserved for those who have given outstanding service to the ideals of the NSPS.

Bob joined the NSPS in 1976 and became a Senior Patroller in 1979. He served as Patrol Director for the American Youth Hostel Ski Patrol for two years. Bob presently serves as Section (northern Illinois) First Aid Advisor (responsible for organizing and managing annual first-aid refreshers and patroller candidate testing) and is an instructor in Advanced First Aid and CPR.

Bob and Reid actively patrol at four Lakes Ski Area in Lisle, Illinois, and are members of the Indianhead Mountain Ski Patrol in the upper peninsula of Michigan. Both men are actively involved in Senior First Aid training and testing.

Ski patrol requires a great deal of dedication and time, but the gratification one receives from being able to help people makes it worth the effort.

—Michelle Gleason

Film Society Presents

On Friday, March 28, 1986, at 8 p.m., in Ramsey Auditorium, the Fermilab International Film Society will present both the American version (directed by Mel Brooks), and the Russian version (directed by Leonid Gaidai), of the film **The Twelve Chairs**.

Both versions of the comic tale are set in post-revolutionary Russia as a group of con-men attempt to track down a fortune in jewels hidden in one of 12 chairs that have been sent to the four corners of the Soviet Union by the new government.

Tickets are \$2 for adults, and 50¢ for children, and are available at the door of Ramsey Auditorium at show-time.

Congratulations To . . .

Reda and David (*TS/Magnet Dev. & Test Fac.*) Hartness on the birth of Amanda Gail on February 13, 1986, at Copley Memorial Hospital. Amanda weighed 8 lbs., and was 20-1/4 in. long. Big brothers Phillip and Sean awaited Amanda at home.

Nancy and Greg (*AD/RF*) Giese on the birth of their first child, Andrew Kyle, on February 21, 1986, at Copley Memorial Hospital. Andrew weighed 9 lbs., 2 oz., and was 20-3/4 in. long.



Benefits Notes . . .

Questions and Answers About Connecticut General Preadmission Certification and Continuing Stay Review (PAC/CSR):

Q: My husband is covered by my C.G. medical insurance plan but he also has medical insurance from his employer. Since the other employer's plan pays most of the medical bills first, while our plan pays only the remaining charges, would the PAC/CSR Program apply to my husband's hospital care?

A: Yes. All individuals covered under the Connecticut General Fermi Medical Insurance plan must follow the PAC/CSR procedures to receive maximum plan benefits even though spouses or dependents may receive primary reimbursement for charges under another plan. However, if your spouse or dependent's primary medical plan requires pre-certification of hospital care, then the Fermi plan will not require the dependent to also undergo the Fermi PAC/CSR Program. When submitting their medical claim for reimbursement of hospital expenses, your spouse or dependent should also include written proof that he or she applied for an approved, pre-certified hospital admission from the primary medical plan to avoid the Fermi PAC/CSR Program penalty.

Q: How does the new PAC/CSR Program affect maternity hospital claims?

A: The PAC/CSR Program applies to maternity care as it does to any other form of in-patient care in a hospital, extended care facility, or rehabilitation center. A maternity claim should be pre-certified and approved for hospital admission around the sixth month of pregnancy. When you are later admitted to the hospital, you or a family member merely contacts Intracorp which can then pre-certify the reasonable length of stay based on your condition subsequent to delivery.

If you have questions about PAC/CSR or any other aspects of the medical plan, please submit your questions to the Employee Benefits Office, MS #124, and we will try and answer them in **FermiNews**.


*Editor: R. Fenner; Assoc. editor: S. Winchester
Photography: Fermilab Photo Unit*

Fermilab is operated by Universities Research Association, Inc. under contract with the U. S. Department of Energy. FermiNews is published by the Publications Office, P. O. Box 500, Batavia, IL 60510, phone (312) 840-3278.

CREF Pension Fund Posts Strong Gains for 1985

College Retirement Equities Fund, the variable annuity component of the TIAA-CREF pension system for higher education, posted strong earnings and record asset growth during 1985.

Earnings and Benefits Up

CREF's net rate of total investment return for calendar 1985 was 32.9%, compared with 31.7% for the S&P 500 Stock Average. Fund officials noted that CREF's annualized total net investment return for the five years ending December 31, 1985, was 16.0%, compared to 14.6% for the S&P 500 Stock Average. Over the last five years, CREF annuity income benefits for retired participants rose 89.3%. 

NALREC Easter Egg Hunt

NALREC is sponsoring their annual Easter Egg Hunt on Saturday, March 22, 1986, for children up to age 9.

Meet at the Village Barn at 2 p.m., and bring a bag or basket with you. Please dress your children warmly, as the egg hunt will take place outdoors, weather permitting. (If the weather is cold or wet, the hunt will be held in the Kuhn Barn.)

Blood Drive Needs You

Fermilab continues to support the regional blood program. The next opportunity to donate and help save a life is March 25, 1986, from 9 a.m. to 2 p.m. in the WH 1 SW conference room. Your donations are needed at this drive and future drives to help provide a constant, safe supply of blood to your local hospitals.

For more information, contact the Medical Office, ext. 3232.

NALREC Swiss Trip

NALREC is sponsoring a trip to Switzerland August 23-31, 1986, and invites you to view a slide presentation on the sites you will be seeing, and things you will be doing while in Europe. The presentation will be set up in Curia II, on April 1, 1986, from noon to 12:30 p.m. The cost of the trip is \$735. Watch **FermiNews** for more details.

For more information, contact Jesse Guerra, ext. 4305.