FermiNews

June 17, 1988 Vol. XI, No. 11 Fermi National Accelerator Laboratory

17 Students Earn 1988-89 URA Scholarships

The Universities Research Association (URA) has chosen 17 sons and daughters of Fermilab employees to be the recipients of its annual scholarships for the 1988-89 school year. Each awardee was selected on the basis of ACT scores. The process was administered by Ezra Heitowit, Vice President of URA.

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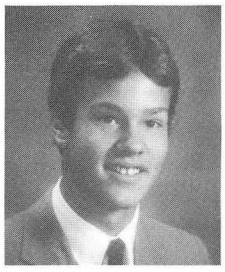
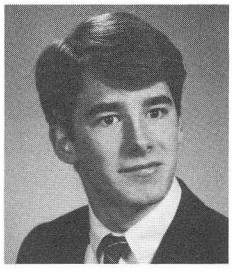


Donald Barsotti

Laura Biester

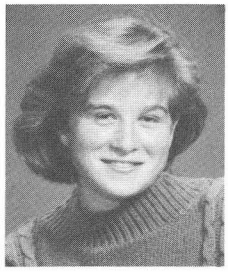
Jennifer Dick



John Ducar

Marie Eggert

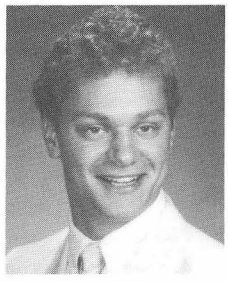
Linda Gehard



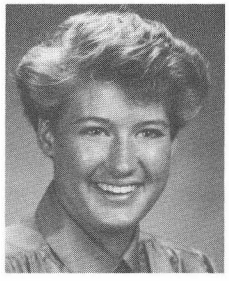
Nara Hojvat

Teresa Johnson

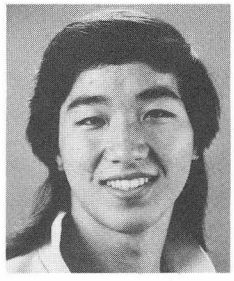
Mira Kautzky



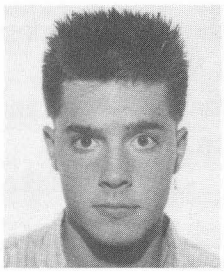
Matthew Kingsley



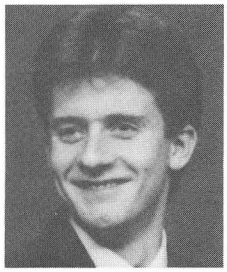
Elizabeth Lach



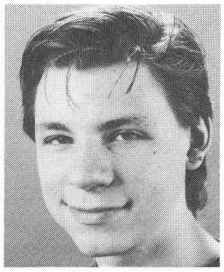
Yuri Mishina



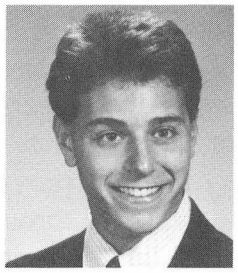
Gordon Read



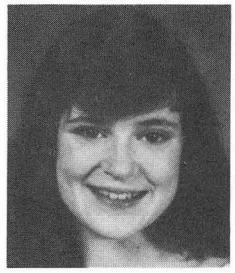
William Shea



Peter Russell



John Satti



Kristen Yarema

Chamber Music Series Subscriptions Offered

The Shanghai String Quartet

Three memorable musical experiences guaranteed to stimulate your heart, mind, and spirit form Fermilab's 1988-1989 Chamber Music Series in the Ramsey Auditorium. We invite you to share in the joy of these exceptional artists and ensembles:

Chicago Pro Musica, Sunday, September 25, 1988, at 7:30 p.m. "This ensemble is one of the most versatile and artistically accomplished on the American chamber-music scene." The Chicago Pro Musica received a Grammy Award for its recording of Stravinsky's *L'Histoire du Soldat*, and this work will highlight their performance.

WFMT Radio's Carl Grapentine narrates this well-known tale of a soldier's encounter with the devil.

The Shanghai String Quartet, Saturday, November 12, 1988, at 8:00 p.m. "For poetry, intelligence and musical sympathy, the Shanghai Quartet counts among the finest young foursomes of the day." Championed by Yehudi Menuhin, and the Vermeer, Tokyo, and Juilliard String Quartets, these winners of the prestigious Chicago Discovery Competition hosted by Chamber Music Chicago demonstrate their musical brilliance in a program of Mozart, Beethoven, and Debussy string quartets.

The Waverly Consort, Sunday, January 29, 1989, at 7:30 p.m. "The Waverly Consort has acquired an international reputation for the beauty, vitality, and authenticity of its performances." This superb ensemble of 10 players and singers draws on its extensive repertoire for this program of Renaissance music. The Waverly Consort provides a special program guide for the audience through the assistance of The National Endowment for the Humanities.

Take advantage of the special series subscription price of $26 and ensure the seats of your choice by purchasing your tickets immediately. Subscription orders are available *by mail only* to MS 111, and will be filled in the order they are received. Single tickets are not available until September 1, 1988. Your canceled check will be your receipt, and your tickets will be mailed to you no later than September 9, 1988.

For further information, phone ext. ARTS weekdays between 10:00 a.m. and 12:00 noon, or 1:00 and 4:00 p.m. Please remember that no subscription orders can be taken by phone. **- Tammey Kikta**

In Memoriam

Lauta Joyner
1952-1988

Lauta Joyner joined Fermilab in 1978 as the Manager of the Equal Opportunity Office. Lauta was particularly interested in student programs and developed the Laboratory's first Target High School Summer Project. She was also a strong advocate of the Day Care facility and served on the Friends of Fermilab Board of Directors.

Lauta was frequently sought for advice and was always willing to help. She was also recognized outside Fermilab for her skills; she often would be asked to serve on discussion panels or as a speaker.

A very conscientious person with a strong commitment to her faith, Lauta's calm strength and warm friendship will be missed by all at Fermilab, and particularly by those with whom she worked closely in the Laboratory Services Section.

Lauta is survived by her husband, Alvin, and their children, Kasmirah and Lyden.

- C. Marofske

DOE's Top Illinois High School Students Tour Fermilab

On May 16, 1988, eight Illinois high school students, their parents, and a few of their high school teachers toured Fermilab. While many students, parents, and teachers tour Fermilab, this group was unique. The eight students, among 12 nominated by Illinois Governor James Thompson, were chosen as the State's representatives in the High School Honors Research Program for outstanding high school science students sponsored by the U.S. Department of Energy (DOE). The eight Illinois DOE scholars are Richard Harmon of Granite City, Jeff Jensen of Decatur, Robert Narske of Rock Island, Janice Nelson of Montgomery, Russell Surratt of Medinah, and Jason Yong of Niles, and alternates Frank Borras of Rosement, Albert Cho and Kimberly Kusinski of Chicago, Chris Schmitz of Rosamond, Neil Tice of Petersburg, and Emily Ummel of Cairo. These top high school science students will join students from the 49 other states, the District of Columbia, and Puerto Rico in studying and working at six national science laboratories operated by DOE. Foreign students, sponsored by their own governments, will also be involved.

The selection process varied with each state. In Illinois, a committee comprised of people from the Illinois Junior Academy of Sciences reviewed applications submitted by high school teachers on behalf of students who showed overall academic achievement and interest in careers in science and engineering.

The students had an extremely busy day. They met with scientists from Argonne National Laboratory and toured the facility. After lunching with Argonne Director Alan Schriesheim, the students were escorted to Fermilab by Frank Vivio, who is associated with the Educational Programs Division at Argonne.

Upon their arrival at Fermilab, the students and guests were greeted by Marjorie G. Bardeen, Program Director of the Friends of Fermilab, the organization sponsoring their visit to Fermilab. Bardeen introduced the group to Associate Director Richard Lundy, who welcomed them on behalf of Fermilab. Then Drasko Jovanovic, of the Research Division, took them on a tour and explained the research and experimentation presently being done at the Laboratory.

The students' interests cover a wide range of scientific topics. Junior Richard Harmon has interests in engineering, math, and computers, and will be working at Argonne for two weeks in late July, learning about high-temperature ceramic superconductors and their potential applications.

Senior Jeff Jensen is a computer buff who likes to work with Apple and IBM computers. He is planning to attend Harvey Mudd College this fall. Jeff will be participating in the supercomputer honors program at the Lawrence Livermore National Laboratory (LNL) this summer. An avid reader, Jeff will do more than his share of reading to complete a programming project while assigned to the LNL National Magnet Fusion Energy Computer Center.

Robert Narske plans to attend Augustana College after graduation. He is presently doing a water purity study. This summer, at Oak Ridge National Laboratory, Robert will be involved in identifying and solving problems arising from conventional energy technologies.

Janice Nelson, a senior, will attend the DOE program at Brookhaven National Laboratory. She will be learning about the use of synchrotron radiation as a powerful research tool. A participant in Fermilab's Saturday Morning Physics program for high school students, Janice is interested in math, science, and physics, and will be attending MIT in the fall.

Jason Yong will work at Fermilab this summer for two weeks. He will be studying and working under the guidance of high-energy physicists utilizing the TEVATRON.

Frank Borras, a junior, is an alternate delegate and has a special interest in cryogenics. He is on the Math Team and is involved in science and literature clubs at school, and has a keen interest in philosophy and literature.

Alternate Chris Schmitz will be studying industrial engineering at the University of Illinois this fall.

Neil Tice, an alternate, is a senior and will be attending the University of Illinois to study electrical engineering. He's avidly interested in electronics, and his knowledge is self-gained.

The DOE High School Honors Research Program, created in 1985 and funded entirely by DOE, is designed to stimulate students' interest in careers in science and engineering by providing outstanding science students with an opportunity to gain firsthand experience in advanced scientific research at national laboratories. DOE sees this program as one way to ensure the nation's future supply of well-trained scientists and engineers. **- Connie Kania**

"URA" continued from page 1

Donald Edward Barsotti plans to attend the University of Illinois at Champaign-Urbana to study engineering. He is an Illinois State Scholar and a member of the National Honor Society from Batavia High School. His father is Ed Barsotti (RD/Electrical/ Electronics Dept).

Laura Nicole Biester is the daughter of Robert Biester (BS/Facilities Operations and Engineering). A graduate of York Community High School, Laura plans to attend the University of Wisconsin, Madison, to study broadcast journalism. She is an Illinois State Scholar and a Citizenship Award Candidate, and a member of the National Honor Society, Mu Alpha Theta (Math Honorary), and Quill and Scroll (Journalism Honorary).

Jennifer L. Dick is a graduate of Aurora West High School, and the daughter of Harlan J. Dick (AD/Headquarters Staff). Jennifer is the recipient of the Elks National Foundation "Most Valuable Student" award, the Illinois Sheriffs' Association scholarship, the Aurora Womens' Club scholarship, and the Furnas Foundation scholarship. She will enter the University of Illinois at Champaign-Urbana to study liberal arts in anticipation of further study of business, law, or medicine.

John Ducar is a graduate of St. Ignatius College Prep. He is the son of Bob Ducar (AD/Controls Group). John is a member of the National Honor Society and has been named a National Merit Commended Student as well as an Illinois State Scholar. He plans to attend the University of Notre Dame to study engineering or architecture.

Marie Beth Eggert, a graduate of Downers Grove North High School, plans to enter North Central College to major in health-related sciences. She is the step-daughter of Frank Pearsall (Physics Dept.). Marie is an Illinois State Scholar, a recipient of a Presidential Scholarship from North Central, and a monetary award from the Downers Grove North High School Future Nurses & Medical Careers Club

Linda Marie Gehard is the daughter of Joseph Gehard (D0/Construction Services Group). She is a graduate of Carmel High School for Girls and plans to attend the University of Illinois at Chicago to major in graphic or architectural design. Linda has received a talent tuition waiver for her freshman year at the university, and two Early College Program Scholarships at The School of the Art Institute of Chicago. She is also an Illinois State Scholar, and is listed in *Who's Who Among American High School Students*. Linda has scored "superior" on district and state Latin exams in her sophomore through senior years, earned a silver medal on the National Latin Exam in her junior and senior years, and tutored in Latin in her senior year.

Nara Sylvia Hojvat plans to major in biology at Carleton College in preparation for a career in pediatrics. Nara, a graduate of Batavia Senior High School, is the daughter of Carlos Hojvat (Physics Dept.). She is an Illinois State Scholar, President of the Batavia High School chapter of the National Honor Society, and an Outstanding Thespian. Nara is also a member of the State Champions (1987) Future Problem Solving team of Batavia High School and the Student Government (1984-85). She has won the Presidential Academic Fitness Award, plays French horn with the Chicago Youth Symphony, has First Chair in the District Band, and is a member of the All-State Band (1988).

Teresa Louise Johnson is a graduate of St. Charles High School. She will be attending the University of Illinois at Champaign-Urbana to study electrical engineering and plans to become a computer engineer. Teresa has been awarded a National Merit Commendation, an Illinois State Scholarship, a designation as Chancellor's Scholar at the University of Illinois at Champaign-Urbana, and 14 piano-contest trophies. She has been elected to the National Honor Society, the Quill and Scroll, and the National Forensics League. Teresa is the daughter of Glenn Johnson (AD/Controls Group).

Mira Kautzky is the daughter of Hans Kautzky (AD/Experimental Support Dept.). She is a graduate of the Bryn Mawr School in Baltimore, Maryland, and plans to attend Yale University to study biology and natural sciences. Mira is a member of the Cum Laude Society and has been awarded the Harvard Book Prize, the Princeton Book Award, and a National Merit Scholarship commendation. She is on the Honor Roll and is a Maryland Distinguished Scholar Semifinalist.

Matthew W. Kingsley plans to attend Valparaiso University to study electrical engineering and play football. The son of Robert Kingsley (Safety Section), he is a graduate of Naperville North High School. Matthew has won Valparaiso University football and academic scholarships and is a member of the National Honor Society. He is an Illinois State

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Scholar, a National Merit Commendation Scholar, is listed in *Who's Who Among American High School Students*, has been on his high school honor role for four years, was captain of the 1987 Final-Four Naperville Huskies football team, and was an All-Conference and All-Area selection.

Elizabeth Colgan Lach is the daughter of Joseph Lach (RD/ Research Facilities). She plans to attend Franklin & Marshall College to study psychology and English literature, and eventually go to law school. Elizabeth is a graduate of West Chicago Community High School #94 where she was a member of the National Honor Society and an Illinois State Scholar.

Yuri Mishina is a graduate of Geneva Community High School. His father is Mansori Mishina (CDF). Yuri plans to attend the University of Chicago. His major is as yet undecided. He is an Illinois State Scholar, a member of the National Honor Society, and has been recognized twice in *Who's Who Among Among American High School Students*. Yuri won the President's Academic Fitness award, the National Mathematics Award, is a regional and district winner in J.E.T.S. (math, computers, chemistry), and is a state winner in the ICTM math contest.

Gordon Kennedy Read plans to study psychology at the University of Illinois at Champaign-Urbana. He is a graduate of Wheaton North High School and is the son of Lincoln Read (D0 Experimental Dept.). Gordon is an Illinois State Scholar.

Peter Alan Russell is the son of Al Russell (AD/Accel. Theory). He is a graduate of Geneva Community High School and plans to study French and political science at the University of British Columbia.

John Lucian Satti is a graduate of Naperville Central High School. He plans to attend the University of Illinois at Champaign-Urbana to study math and science. John is a member of the National Honor Society and is listed in *Who's Who Among American High School Students*. He is an Illinois State Scholar, a Scholastic All-American Award recipient, and a two-time winner of the varsity track and field award. John's father is John Satti (AD/ Mechanical Support).

William Patrick Shea plans to study aeronautical engineering and take flight instruction at Parks College of St. Louis University. He is the son of Michael Shea (AD/Controls Group).

Kristin Anne Yarema is the daughter of Raymond Yarema RD/Electrical/Electronics Dept.). She is a graduate of Glenbard West High School and plans to attend Stanford University to study chemistry and English literature. Kristin is class Valedictorian, a National Merit Scholar, an Illinois State Scholar, a two-time state champion in extemporaneous speaking, a *Chicago Tribune* Top 10 All-State Academic Team member, and the Glenbard West Speaker of the Year. She placed third in the state in Original Oratory, and is captain of the Forensics team which placed third in the state. She is a recipient of the Brown University Book Award for Outstanding English student, a VFW Voice of Democracy contest winner, an International Thespian, a recipient of the National Forensics League Double Ruby Degree, a member of the National Honor Society, French National Honor Society, Mu Alpha Theta Math Honor Society, and a graduate of the Fermilab Saturday Morning Physics Program. Kristin has won a National Honor Society scholarship, a National Merit scholarship, a *Chicago Tribune* scholarship, a Naperville Unit Education Association scholarship and a Eugene deClark Memorial math scholarship. **- Connie Kania**

Congratulations to:

Carol and Stephen *(RD/Safety)* Butala on the birth of William Walker on May 18, 1988, at 10:52 a.m. William weighed 8 lbs and was 20 in. long. William has an older brother, Thomas, who is "2.5" years old.

Marilyn and Michael *(Tech. Suppt.)* Lamm on the birth of Nicholas Michael on May 19, 1988, at 12:29 a.m.. Nicholas weighed 7 lbs, 10 ozs, and was 20-1/4 in. long.

Tina and George *(Custodial Serv.)* Martinez on the birth of Yvette on May 28, 1988, at 5:59 a.m. Yvette weighed 7 lbs, 8 ozs.

Number of donkeys in the United States: **200,000**
Number of elephants: **692**

Percentage of Americans who say "from each according to his ability, to each according to his need" is in the Constitution: **45** - *Harper's* Index

NALREC Wins Big

NALREC and Fermilab Artist Angela Gonzales scored impressive victories against a crowded field in the annual National Employee Services and Recreation Association (NESRA) competition.

NALREC, which is a member of the Chicago Association for Recreation and Employee Services (CARES) chapter of NESRA, shared in the "prestigious NESRA Chapter Merit Award" for 1988 in recognition of CARES's efforts and activities in staging recreational events for employees. Angela Gonzales' design for the "Children's Merry Christmas" poster won first place, and her "Christmas Dinner Dance" poster took third place, both in NESRA's Promotional Awards Contest #2A - Volunteer category.

NESRA received 141 entries from 50 companies in 1988, making this year's home-team victories even sweeter.

Congratulations go to NALREC Representatives Sharon Austin, Jo Baaske (Tres.), Etta Berry, Rose Callaghan, Dominick Carullo (3rd V.P.), Walter Coleman, George Davidson, Gene Dentino, Linda Even, Ed Faught, Mary Fray, Mike Frett, Jesse Guerra (NALREC and CARES Pres.), Joanne Hall, Ed Justice, Alma Karas, Sharon Koteles, John Kowalski, Trudy Ktamer, Barb Kristen, Ed LaVallie, Glenn Lee (2nd V.P.), Bob Lootens, Joe Morgan (1st V.P.), Jane Pesetski, Alan Pettit, Tom Regan, Larry Rodriquez, Nelson Sample, John Satti, Bob Shovan (Sec.), Gary Smith, and Mike Urso.

Blood Drive Coming to Lab

The Medical Office reminds everyone that the Aurora Blood Bank Drive will be held on Wednesday, July 13, 1988, from 9:00 a.m. to 2:00 p.m. in the Wilson Hall 1W conference room. Plan to donate and keep Fermilab's record of participation intact.

Benefits Notes (reprise)

Fermilab has made arrangements with Corporate Benefit Systems, Inc. (CBS), to offer the supplemental life insurance program for you and your family. This program is voluntary and available to all active employees who have completed six months of service with the Lab. A letter was mailed to employees hired between January 1, 1987, and February 1, 1988 describing the plan. All other employees were given the opportunity to join the plan last year. However, if you wish to meet with the CBS representatives to ask questions or join the plan, they will be at the Lab on Wednesday, June 22. Please call the Benefits Office, exts. 3395 or 4361 to schedule an appointment.

- Paula Cashin

New Technical Publications List Now Available Online

The Publications Office and the Computing Department Users Support Group have arranged to make available on the VAX a listing of Fermilab technical publications (preprints, FN's, and TM's) prepared for dissemination during the previous month. For access information, see $ HELP TECHPUBS New_Publications.

Volleyball Results (the sequel)

In the "Winter Volleyball League Results" article in the last issue of *FermiNews*, the following names were inadvertently omitted: For Stefano Miscetti's team, expert assistance was provided by team members Monica Bertani, Michela Punzi, and Carla de Barros. The regular season champs, lead by Linda Even, were aided in their quest by volleyball masters Sue Ankenbrandt and Charlton Lee.

- Bryan MacKinnon

FermiNews Cla$$ified Ad$

FOR SALE

Motorized Vehicles:

1984 FORD ESCORT, gold, 2-dr. hatchback, auto., AM/FM stereo, absolutely no rust, excellent condition, 28,000 miles, original owner, 30 mpg. $3100, negotiable. Call Pam, ext. 3777.

Miscellaneous:

BICYCLE RIMS, NISI tubulars, anodized gold, excellent condition, $25 the pair. Call Mark, ext. 4776.

WURLITZER CONSOLE PIANO, 6-yrs. old, beautiful condition, 1 owner. $1200. Call Carole after 4:00 p.m. at 837-6972.

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