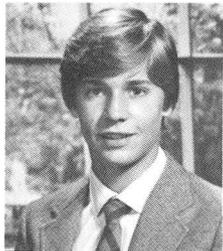


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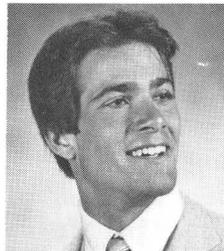
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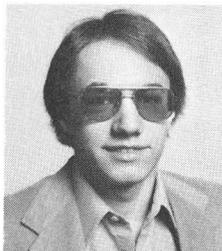
1983 URA SCHOLARSHIP RECIPIENTS NAMED



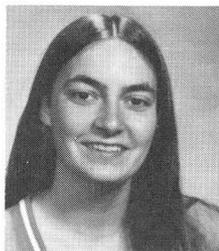
Ankenbrandt



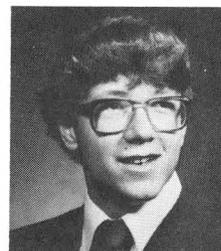
Auskalnis



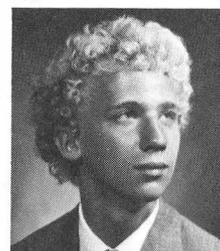
Baker



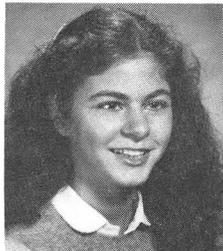
Bardezn



Barsotti



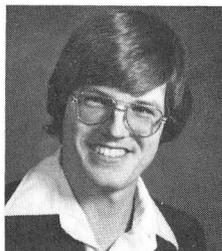
Bowron



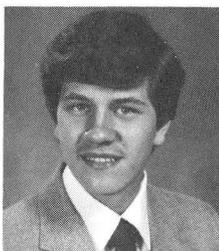
Brenner



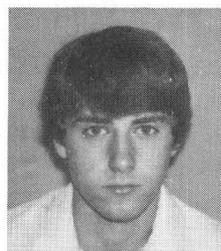
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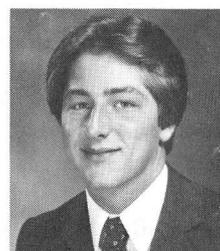
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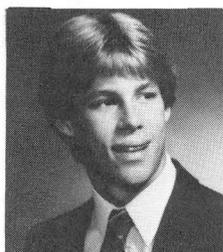
Kuchwir



Murphy



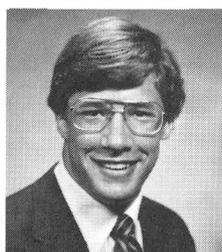
Niemann



Nurczyk



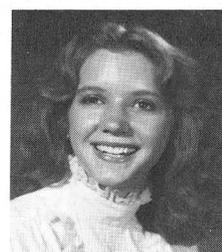
Theriot



Turkot



VanLeesten



Williams

Universities Research Association (URA) has awarded scholarships to 17 sons and daughters of Fermilab employees for the 1983-84 academic year. The number of applications submitted for consideration totaled 46. Each recipient was selected by a review and screening process conducted by James Matheson, vice president of URA, Washington, D. C., and yielded the following group.

Brian Ankenbrandt will attend the University of California at San Diego to study law after graduating from Glenbard West in Glen Ellyn. A National Merit Finalist, Illinois State Scholar, and University of California Regents' Scholarship recipient, he is the son of physicist Charles Ankenbrandt in the Headquarters Group of the Accelerator Division.

Robert B. Auskalnis is a graduate of Benet Academy in Lisle and the son of Dick Auskalnis, Procurement Section, and Adela Auskalnis, Fire Department. He is a National Merit Commended Scholar and an Illinois State Scholar, as well as a member of the National Honor Society. In the fall he plans to pursue a law degree at the University of Illinois at Urbana, followed by a career in politics.

Daniel J. Baker plans to attend Carleton College, Northfield, Minnesota, to study psychology or marine biology after graduation from Naperville North. He is a National Merit Scholar and the recipient of a National Merit Scholarship sponsored by Carleton College. His

(cont'd. from pg. 1)

father, Samuel I. Baker, is a physicist in the Safety Section.

Karen Gail Bardeen, a graduate of Glenbard West in Glen Ellyn, plans to attend Massachusetts Institute of Technology in the fall. She is a National Merit Finalist and a recipient of the Bausch & Lomb Award. Her father, William A. Bardeen, is a physicist in the Theory Group.

Edward Louis Barsotti is the son of Edward J. Barsotti, an engineer in the Collider Detector Facility. He is a graduate of Batavia High School, a state nominee for the Illinois Society of Professional Engineers, a National Honor Society member, and the local winner of the National Math Exam. He plans to attend the University of Illinois at Urbana.

Craig Lyman Bowron plans to major in biology at Augustana College in Rock Island after graduating from Batavia High School. An Illinois State Scholar, a recipient of the Sons of the American Revolution Award, an Augustana Presidential Scholar (freshman year), and Burger King "Senior Who Is Making It Happen" recipient. His father, Denis Bowron, works in Plant Maintenance.

Kendra S. Brenner is the daughter of Alfred E. Brenner, Computing Department Head. A graduate of Glenbard West in Glen Ellyn, she is an Illinois State Scholar and plans to attend the University of Michigan at Ann Arbor to study biology in the fall.

Russell Scott Fuja is a graduate of Chicago Christian in Palos Heights and plans to attend Augustana College in Rock Island. He is the recipient of Augustana's Presidential Scholarship and the son of Raymond E. Fuja, an engineer in the Switchyard Group of the Accelerator Division.

Douglas Alexander Kerns is a graduate of Wheaton Christian and plans to major in biomedical engineering at Northwestern University in Evanston. He is an Illinois State Scholar and the son of Quentin A. Kerns, RF Instrumentation Group Leader in the Accelerator Division.

Louis Daniel Kuchnir plans to attend Massachusetts Institute of Technology following graduation from York Community

High School. He is a National Merit Finalist, American Mathematical Olympiad Participant, and National Honor Society member. His father, Moyses Kuchnir, is a physicist in the Tevatron I section.

Charles Murphy is the son of Thornton Murphy, Cryogenics Department, Accelerator Division. He will attend St. Olaf College in Northfield, Minnesota, after graduating from Wheaton North. He is very active in the leadership of the youth program of the Episcopal Diocese of Chicago.

Paul Charles Niemann plans to major in mechanical engineering at the University of Illinois at Urbana. He is a graduate of Downers Grove South, a National Honor Society member, a National Merit Commended Scholar, an All State Honors Jazz Band member, and recipient of the First Class Drum Major Award and the Best Drum Major Award-Northern Illinois University Competition. He is the son of Technical Support Group member Ralph C. Niemann.

Thomas C. Nurczyk plans to study pre-medicine at the University of Illinois in Urbana and plans to become an orthodontist. He is an Illinois State Scholar and son of Thomas E. Nurczyk, Chief Technician in the Alignment Group of Research Services.

Sharon Gail Theriot is the daughter of Dennis Theriot, a physicist in the Collider Detector Facility. A National Merit Scholarship Finalist and Illinois State Scholar, she plans to attend Williams College, Williams, Massachusetts, after graduating from Wheaton North.

Gregory F. Turkot plans to enter the Engineering School of the University of Illinois at Urbana. A graduate of Wheaton-Warrenville, National Honor Society member, and Illinois State Scholar, he is the son of Frank Turkot, a physicist in the Physics Department.

Lisa Katrina Van Leesten plans to study aquatic biology at Brown University in Providence, Rhode Island. In addition to graduating with highest honors from Batavia Senior High School, she is a National Merit Commended Student, National Honor Society member, and an Illinois State Scholar. Her father, Hendrik Van Leesten,

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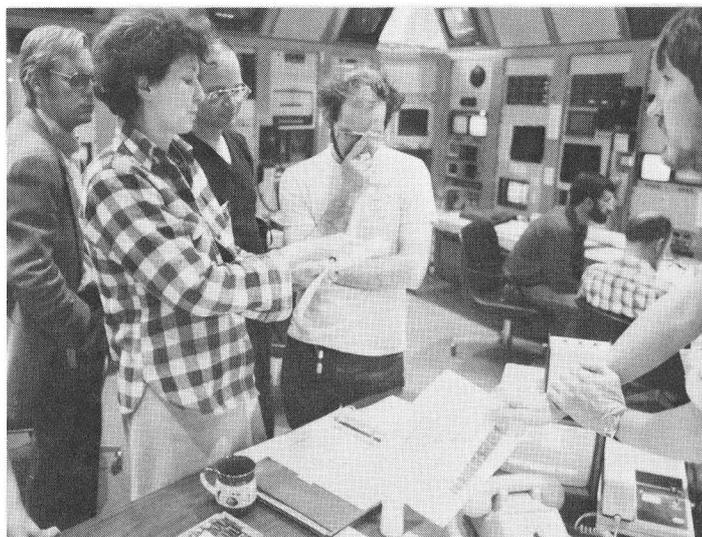
DOUBLER DEVELOPMENTS

Another giant cheer echoed through the Cross Gallery from the Main Control Room on Thursday, June 2, as about 30 people--a mixture of working experts and involved spectators--witnessed the Energy Doubler achieve its first full revolution with a proton beam, "one turn." The time was 5:42 p.m., a mere three hours after the first attempt to inject beam from the Main Ring into the now completed Energy Doubler and get it all the way around.



This first turn was achieved with the same surprising ease as was the one-third ring test of April 23--once a single barrier to progress had been identified and corrected. On April 23, the major barrier was a 1% mismatch of the Main Ring and Doubler magnetic fields. This time, the problem was a mistimed injection kicker. The kicker was turned off and its function delegated to a standard correction dipole. On the next pulse, the beam sailed two-thirds of the way around the ring before it was lost. Following a single application of the beam position correction program, the beam completed one turn on the next pulse.

For the next day, attention was focused on smoothing the orbit in the first turn and identifying instrumentation problems. In parallel, a major effort was mounted to test the higher order series correction elements (quadrupoles, sextupoles, and octupoles).



During the last shift of tuning, attempts at multiple turns were made. Several turns were achieved, but not enough to "close" the orbit well enough to achieve a true coasting beam.

Not all aspects of the Doubler are totally "go." This first turn was achieved with the injection energy reduced from 150 GeV to 100 GeV because of limitations discovered during the first power testing of Sectors A and B on May 26 and 31. In each sector, there is a localized place where spontaneous quenches occur slightly above 100 GeV. The two quarter-sectors involved have been warmed and are being repaired.

As soon as the ring is fully cooled again, tuning to close the orbit will resume, followed immediately by attempts to accelerate to 500 GeV.

URA AWARDS 17 SCHOLARSHIPS

(cont'd. from pg. 2)

is a Technical Specialist in the Technical Support Group.

Susan Marie Williams is a graduate of Hinsdale Central and plans to study nursing at the University of Illinois at Urbana. Her father, William A. Williams, is a Technical Specialist in the Experimental Areas Department.

BUCHSBAUM TO SPEAK JUNE 15

Dr. S. J. Buchsbaum, Executive Vice President for Customer Systems, Bell Laboratories, Holmdel, New Jersey, will present "Physics in Communications" at the Fermilab Colloquium on Wednesday, June 15, at 4 p.m. in Ramsey Auditorium. He will discuss the role of physics and theorists in the communications industry.

MONDAY NIGHT BOWLING LEAGUE NAMES WINNERS



Fermilab Monday night bowling league first place team members (left to right) are Chuck Chizzo, Marti Bennett, Jean Birkenmaier, and Ken Gray. Not pictured is Laurie Bennett. Members of the second place team are captain Jane Strickland, Bob Scherr, Bill Strickland, Al Guthke, and Marty Solis.

The league officers for next year are Angie Velasquez, president; Ken Gray, vice president; Marti Bennett, secretary; and Peggy McAuliff, treasurer.

High averages went to Chuck Chizzo (193) and Angie Velasquez (175).

Individual Monday night bowling awards this year are (women) high series scratch, Janet Thoman 583; high series handicap, Angie Velasquez 709; high game scratch, Angie Velasquez 246; high game handicap, Janet Thoman 273; (men) high series scratch, Chuck Chizzo 703; high series handicap, Junior Jones 717; high game scratch, Bob Morrison 276; high game handicap, Paul Vasquez 292.

High team scratch series went to Gary's Gang (2952); high team handicap went to Guthke's team (3198); high team game scratch went to Gary's Gang (1071), and high game handicap went to What Evers (1177). Congratulations to everyone!

CONTACT HOUSING TO SUBLEASE

If you are leaving the area for the summer, you may want to consider subleasing your home to a visiting scientist at Fermilab. If you are interested, please contact Cheryl Bentham or Pam Naber in the Housing Office, Aspen East, ext. 3777.

Congratulations To...

Tho (Main Ring Power Support) and Holly (Energy Saver) Mong on the birth of their first child, Laura, at Mercy Center on April 5. Laura weighed 7 lbs., 10 oz. and was 19 in. long.

Terry (Main Ring Power Supply) and Maria Morrison on the birth of their first child, Thomas Christofer, on April 12 at Copley Memorial Hospital. Thomas weighed 8 lbs., 3 oz. and was 21 in. long.

In Memoriam Bruce Scarth, 1937-1983

Bruce Scarth, an instrument machinist in the Village machine shop for five years, died May 7. Bill Jones, Bruce's supervisor, said that Bruce was a fine machinist and a "pleasant, amiable person who will be missed by all his fellow employees."



Sympathy is extended to the Scarth family in Mokena on Bruce's death.