

White House, DOE Announce Support for SSC

The Superconducting Super Collider (SSC) moved a step closer to reality on January 30, 1987, when President Reagan's approval of the project was made known at a press conference held by Secretary of Energy John S. Herrington.

In a statement given to the local press, Fermilab Director Leon Lederman said "he was delighted with the President's announcement [and that] the scientific community has spent five years developing the idea. However, Lederman said that [the] TEVATRON is 'occupying 98 per cent of our efforts.'"

The text of the Secretary's statement follows:

I am pleased to announce today that the President has made a decision to support construction in the United States of the world's largest and most advanced high-energy accelerator, the Superconducting Super Collider. We have strongly supported this proposal, and we are greatly pleased by the President's commitment.

Project funds, which will total approximately \$4.4 billion (in FY 1988 dollars) will be requested beginning in FY 1988, with a target completion date of 1996.

As currently envisioned, the Super Collider will be a racetrack-shaped particle accelerator in an underground tunnel 52 miles in circumference and 10 feet in diameter. It will accelerate atomic particles to an energy level that is 20 times greater than currently possible. It will bring answers to unsolved questions that have fascinated the world since earliest times, such as what are the fundamental building blocks of matter?

President Reagan's decision is one of tremendous significance and historic consequence. It is a momentous leap forward for America and science and technology. Once again, this nation has said there are no dreams too large, no innovation unimaginable, and no frontiers beyond our reach. By virtue of this decision, we are embarking on an adventure of unlimited opportunity, tremendous promise and a new scientific world to be won. The Super Collider holds the potential for a new generation and a new revolu-

tion in science, education, technology, and commerce. In high-energy physics, the development of the Super Collider is the equivalent of putting a man on the moon. It will have spin-offs, discoveries and innovations that will profoundly touch every human being. This is a watershed for America's scientific and technological leadership and another clear sign that this administration is committed to keeping this nation on the cutting edge of world leadership and competitiveness.

The Department of Energy looks forward with great anticipation to its role in overseeing this historic undertaking. The Department currently funds about 90 per cent of United States research in the high-energy physics field - and this project is compatible with our other endeavors.

We have made no determination as to where the Super Collider will be sited - and there is no front-runner. I have asked Undersecretary Joseph Salgado to develop a site selection plan which will allow for a fair, open, and equitable process. We will announce further details regarding this selection process on February 10.

The United States has a long history of collaborative research efforts with other friendly nations. Today's announcement has great significance, not just within our borders, but throughout the world. It is also our intention to seek maximum cost-sharing funding from other countries - as well as private industry, and state and local governments. We will announce further details in regard to this effort as events dictate.

— SSC —

Summer Housing Deadlines

The deadline for receipt of reservations for summer on-site housing is Monday, March 2, 1987. Housing assignments will be made in April; responses will be mailed April 10, 1987. The starting date for summer occupancy is June 1. For further information, please contact the Housing Office, ext. 3777.

"re•tire: to withdraw from business or public life so as to live at leisure..."

During 1987 Fermilab will celebrate its twentieth birthday and yes, some of the original group assembled to start the adventure are still here contributing today. Even in those early days before our current site was acquired, there was optimism about the long-range viability of the Universities Research Association.

One of the items given consideration at the time of our "big bang" was the need for a sound retirement program. Considering we were leasing office space on an almost month by month basis, working without a final agreement with the federal government to create the Laboratory, and that the State of Illinois was still struggling with the problems of site acquisition, retirement was a fairly imaginative concept. However, the plans were made, the documents prepared, and our system with TIAA/CREF was put in place.

Since our program always featured flexibility for individuals in opting for retirement, the decision as to "when" has been highly individualized. By the end of 1986 we had just over 100 Fermilabers on retirement status. These decisions, made one by one, spread throughout the years. During the last two or three years we typically have had about 20 people retire each year.

This past month (January 1987) we have had 14 retirements. Collectively, these individuals reflect *178 years* of Laboratory service. Their skills and contributions span across the whole spectrum of Laboratory activities. It is highly probable that in scanning the following list you will recognize individuals with whom you interacted, with whom you shared the unique experience that this Laboratory offers in life.

Helen Crow, Business Services Section
Betty Green, Business Services Section
John Hall, Business Services Section
Rich Isiminger, Technical Support Section
George Jugenitz, Accelerator Division
Al Lindner, Jr., Business Services Section
Ewald Macheel, Accelerator Division
Robert Mandernack, Research Division
Larry Sobocki, Technical Support Section
John Stull, Technical Support Section

Roger Thompson, Laboratory Services Section
Leo Vieu, Technical Support Section
Lou Voyvodic, Physics Department
Lou Yarmer, Technical Support Section

We look forward to hearing from those who have retired and are tackling new experiences. A retiree network is gradually developing (really took a jump in January) which all dates back to the curiosity and inventiveness of the physics community about two decades ago.

- Chuck Marofske

Recent Retirements

Larry Sobocki

Larry Sobocki started at Fermilab in 1967, when the Lab was still located in Oak Brook. "Prior to coming to Fermilab, I worked at Argonne for 12-1/2 years; that and time spent at Fermilab makes for a total of 31-1/2 years in the high-energy physics research field, and I enjoyed every day of it," Larry recalled. "I vowed then that I would never go back into private industry."

While at Fermilab, Larry was Chief Draftsman for many years and then went on to do engineering work. His assignments took him to many areas of the Lab, such as Linac, C0, Neutron Therapy Facility, Cooling Ring, TeV I, and TS-Engineering, which fabricates magnets, a new field for Larry. "My final assignment was the Loma Linda medical accelerator project, in which I took personal pride."

"Larry joined the Technical Support Engineering Group during the design of the TeV I and TeV II magnet program," added Norbert Engler, Larry's supervisor. "His knowledge, experience, and ability to work with the various Fermilab sections was fully tested and appreciated during this program. His contributions to our new design programs are many, and we will miss his experience and assistance.

"Frequent calls from many of his old colleagues to inquire as to his availability to help on new design processes testify to his value to the Lab. Those of us who have been at Fermilab through many construction phases, as well as new colleagues who benefited

Continued on next page

from his patience, hope that Larry has a new career as successful and long lasting as his career at Fermilab."

Larry and his wife, Anne, have just purchased a new and larger RV, and plan to travel and see the countryside.

Roger "Rogbo" Thompson

Roger was hired in 1968 to work on the 11th floor of the Oak Brook Twin Towers, as the first Librarian to be hired by Fermilab. He had come with previous experience from Argonne where he worked in the Physics Library, and the Yale Mathematics Library, where he was the first Librarian ever hired

Roger reminisced, "In October 1968, I joined the 'charter members' on site in Weston, Illinois. We referred to it at the 'Atomic Capital of the World.' In addition to the Oak Brook Twin Towers, the Library was located in a house on Che Che Pinqua, at 34 Potowatomi, the Director's Complex, and finally to the third floor of Wilson Hall.

"These were good times," Roger added, "never a dull moment as the small, enthusiastic, pioneer group began building, and with scenes like the ground breaking for the machine in the middle of a corn field on a snowy day in December.

"Frequent trips to Argonne supplemented the library resources, and gradually the collection grew. Things really picked up when the staff was enlarged with May West and Julie Zaborowski, and now Alla Lubinsky. They enabled me to spend more time managing Technical Information. I was Technical Information Manager for about 15 years, devoting time to Duplicating, the Library, Photography, and the Publications Office.

"Recently, terminals have been added for searching SPIRES and the data bases in DIALOG, setting the stage for the planned 'modernization,' including library automation and expanded searching. It will be a great step forward and will bring much satisfaction to the users as well as to the staff, including Paula Garrett, my successor, to whom I wish much success." After retiring, Roger plans to "travel, enjoy the fruits of life and relax with my wife, Marilyn, see what develops, and write my book: *Inside Fermilab*."

Saul Cepeda

"Saul Cepeda, who retired in December 1986, has served the Laboratory in many capacities since joining the Support Services Property Office on

August 20, 1973," said Bill Butler, Support Services Manager. "Many co-workers knew him as the gentle man who comes around every once in a while inventorying capital equipment."

"Few knew that he also is vitally interested in advancing job opportunities for minorities, females, and others sometimes overlooked by society. Saul served the Lab and his coworkers as an Ombudsman and in many other ways made the Laboratory, his community, and society a better place to be."

Saul was also an interpreter for the Hispanic employees at the Lab when the janitorial staff were still contract people.

"His job experience both before and since joining the Laboratory is irreplaceable." commented Butler, "His quiet humor and his ability to find items in the nooks and crannies of the Laboratory is unmatched. We will all miss him."

After retirement, Saul plans to travel, visit his children and grandchildren and eventually move to a warmer climate.

————— zzzz —————

Hours the average American worked in 1973: **40.6**
In 1985: **47.3**

Percentage of men between the ages of 55 and 59 who were retired in 1970: **10.5** Who are retired today: **20**
- from *Harper's Index*

Machine Shop Offers Open House

There will be an Open House in the Village Machine Shop on February 19, 1987, from 3:00 p.m. until 5:00 p.m. Continuous demonstrations of the Mazak CNC Lathe, the Hurco CNC Milling Machine, and the NC Contour Flame Cutting Machine will be featured.

All users, designers, draftsmen, engineers, and other Lab personnel are invited to attend.

FILM SOCIETY PRESENTS

The Fermilab International Film Society will present *1984*. Richard Burton appears in his last film role in this version of George Orwell's classic novel of a future fascist society. Be prepared for the impressive set design, and music by Eurythmics.

The film begins at 8:00 p.m., on Friday, February 27, 1987, in Ramsey Auditorium. Tickets are available at the door and are \$2.00 for adults, \$.50 for kids.

FTV Nominated for ITV Award

On December 17, 1986, I attended an International Television Association awards festival. This awards ceremony is sponsored by the Chicago chapter of a professional non-broadcast video producers association known as ITVA. Five categories of video tapes were judged including: Marketing, Training, Public Relations, Medicine, and Student Productions. On behalf of Fermilab, I entered an in-house produced training tape dealing with hazard recognition. Of 35 entries in this training category representing the largest video training facilities in the country, four programs were nominated for an award. The judging was done by a national team of six ITVA chapters. A qualified panel of writers, producers, directors, talent, and technical people determined the winners. Of the four programs nominated, Fermilab was one of them. We were chosen over such mega-training facilities as Allstate Insurance Walgreens, Commonwealth Edison, Amoco Corp., USG Corp., and others.

As the third and second place winners were named and each producer got up to make a short acceptance speech and thank the set designers, casting directors, and editing staff, I couldn't help think to myself I might have to get up and make a speech myself. I don't have any casting director or talent agency to thank nor do I have a lighting director or executive producer. This tape was done completely in-house. As the 1st place winner was announced (tension was mounting), I thought I would mention the fact the tape was put together by Fermilab employees who were helping the Laboratory Safety Committee and were volunteering their time. As it turned out, I didn't have to make the speech - McDonald's Corp. took first place for a production called "At the Fryers," a tape explaining the finer points of french fry making.

I think coming in fourth in a large field of heavy horsepower video producers is a significant accomplishment for the Laboratory. I was told the first place winner spent \$50,000 on the tape; we spent around \$970 on ours. I don't think the McDonald's tape is 50 times better or more effective than ours. This is a true accomplishment for all involved: Mark Bodnarczyk, script writer; Rich Allen, Safety consultant; David Cathey, Don Cossairt, Gary Andrews, and Charlie Bonham, sub-committee members; Sherry Hickey, Fred Krueger, Carey Kendziora, Bill Byrd, and Anne Werthman, cast members. - **Fred Ullrich**

In the Library

A table is now available for the display of "Technical Literature." Manufacturers and suppliers may use this area for distribution of product information.

"History, Philosophy of Science" Workshop

The University of Chicago is hosting a Winter 1987 workshop on "Methods and Values in the History and Philosophy of Science." Topics and dates are: February 19: "Creationism and Evolutionism," by Tom Bethell. February 26: "The Physical vs. the Biological Imagination," by Alan Beyerchen. March 5: "Artificial Clouds and Real Particles," by Peter Galison. For times and places, call the Fishbein Center at the University of Chicago, 702-8391.

Octet Performance Sold Out

"The Academy of St. Martin in the Fields Octet is a chip off the old block. Like its parent orchestra, from whence hail its eight musicians, it is an ensemble of rare suaveness and delicacy." The Octet will perform music of Brahms, Gabrieli, and Mendelssohn when they appear at Ramsey Auditorium on February 21, 1987, at 8:00 p.m. This is the second of Fermilab's chamber music series concerts this season.

The Academy of St. Martin in the Fields Octet consists of the principal string players of Great Britain's renowned Academy of St. Martin in the Fields Orchestra. For 10 years they have been presenting concerts of the larger chamber music repertoire, from quintets to octets, of composers from the baroque to the contemporary eras. Their performances and recordings of these masterpieces have met with consistent praise. Their recording of the Medelssohn and Schubert Octets won the Grand Prix de l'Academie Charles Cros in 1979. They are currently recording all of Handel's chamber music and Mozart's Divertimenti.

This concert is sold out as part of Fermilab's chamber music series. Advance information on future Fermilab Arts Series programs can be obtained by joining the Fermilab Auditorium mailing list. Call ext. 3353 weekdays between 10:00 a.m. and noon or 1:00 p.m. and 4:00 p.m. for mailing list and performance information.

- **Tammey Kikta**

Average number of jokes Henny Youngman delivers in a 40-minute monologue: **245** - from *Harper's Index*

In Memoriam

Joseph S. Volant
1931-1986

Joe Volant joined the Laboratory in February, 1969, as part of the Plant Modifications Group. He was involved in many of the extensive Village remodeling projects, including the Director's Complex. His projects since then encompassed utility systems, Auditorium dressing rooms, water testing, HVAC and piping systems.

"The engineers and architects Joe worked with all valued his work highly," said Jack Mills, Joe's supervisor, "Joe never turned down a project or assignment, and he never turned away from an opportunity to lighten anyone's load - always ready to lend a hand at any task, listen and talk through any problem, and always ready with a pun or quip for any situation.

"Joe's involvement with the Laboratory was not confined to his work. He fed pheasants, squirrels, and turtles at Site 38, and was an inveterate bird watcher from the 5th floor of Wilson Hall. He followed everything doing at the Laboratory with interest, and possessed a set of every issue ever published of the *Village Crier* and *FermiNews*.

"Joe leaves a void in the total Laboratory community as well as in Facilities Engineering."

Joe is survived by his wife, Donna; sons Joe Jr., and Adam; daughters Debbie and Laura; and five grandsons.

In Memoriam

Albert "Bill" Lord
1927-1987

Bill began working at Fermilab in November of 1971. He helped develop the power supply systems for the experimental areas and remained with the Meson Lab as a crew chief for beam operations. As the TEVATRON project got rolling in 1980, Bill joined the Magnet Test Facility where he remained through 1985. He helped develop the measurement systems and served as Measurement Crew Chief for both the superconducting magnets and the TeV \bar{I} Antiproton Source magnets for the TEVATRON. When that project was complete, Bill moved on to assist in the D0 detector facility.

"Bill and I worked together from 1971 through 1975 in Lab 6 in the Village when we were just starting the Meson Lab," Jim Humbert commented. "Bill was very easy to get along with and took great interest in the work that we did at the Lab. He had good 'New England' humor and also the accent to go along with it. Bill will be missed by all of us who worked with him for so many years."

Bruce Brown, who was at one time Bill's supervisor, added, "Bill worked hard to keep things going right for 'his' crew. He provided friendly encouragement and an occasional pot of chili to assure a warm relationship with his co-workers. His warmth and persistence will be missed."

Bill is survived by his wife, Margaret; sons Michael and Charles; daughter Cindy; and granddaughter, Becky.

In Memoriam

Albert "Al" Lindner, Jr.
1920 - 1986

Al's career at Fermilab commenced in August 1974; before that he spent 22 years at Argonne. He was the Property Administrator for Fermilab.

Bill Butler, Al's supervisor, said of Al, "He brought to the Laboratory a vast knowledge of the, at the time, AEC rules and regulations regarding the care and handling of government property. He and his department established and carried out the many current policies and procedures. His success was proven by the many audits done on the Property Office and the fact that only minor, typically procedural discrepancies were ever mentioned.

"His friends and, in particular, his co-workers will miss him. There is no hope of ever replacing him since he was a true individual."

Al is survived by his wife, Jeannette, and three daughters, Adele, Alyce, and April.

Physics Note (FN) Listing Available

"A SPIRES-Derived Chronological Listing of Fermilab Physics Notes (FN)" can be obtained by sending your request in writing to the Publications Office, M.S. 107. A mailing list will be maintained for future updatings.

The Sports Page

Pre-Summer Shape-Up Shaping Up

We know you're ready for summer, but is your body? If not, come join the fun at the Recreation Facility. Starting February 17, 1987, on Tuesdays and Thursdays from 5:30 p.m. to 6:30 p.m., there will be an outstanding aerobics class in session for six weeks.

Or, if your taste in exercise runs more to the repetitious lifting of heavy objects, a co-ed weightlifting clinic is a possibility. If enough people autograph the sign-up sheet posted in the Recreation Facility, sessions will be scheduled beginning in April.

Gym membership is required for both of the above. So stop making excuses and contact Jean Guyer on ext. 3126, NOW!

Winter Basketball Mid-Session Standings

It's mid-session in the Winter Basketball League and the Lakers, headed by Necota Smith, are in first place with 4 wins and 0 losses. They are followed by the Hematomas in second, Valley Electric in third, Bulls in fourth, and last but not least, the Gryphons in fifth.

Volleyball League Results

The winning team of the summer refereed volleyball league (better late than never) consisted of: Sue, Chuck, and Brian Ankenbrandt, Mark Augustine, Rol Johnson, Lynde Issoldi, Linda Even, and subs Gary Andrews and Bill Mahler.

They just squeaked past Jim Jensen's team in both the regular season and in the finals of the "end-of-summer" tournament. Jim's teammates included Louise and George Krafczyk, Rose Callaghan, Gary Smith, Frank Cesarano, Roy Justice, Monica Veracini, and Rupert Crouch.

The league representative was Bill Merz, who did a good job of getting referees and keeping track of the monies. A total of nine teams participated, braving the sun, the fog, and the heat to play some good volleyball and have some fun.

The heat and the mosquitos could be handled, but it is tough to play ball while wearing mittens, long underwear, and boots...so play has moved indoors. The league plays at the Recreation Facility on Mon

day nights. There are ten teams (about one hundred people) giving this sport a shot. Alma Karas is the league representative; she and Monica Veracini are keeping schedules straight and captains in line. Jim Zagel is keeping track of the scores and points (or lack of them). Three brand new teams and many new players are being introduced to volleyball by USVBA rules. The new teams are led by Ed Kearns, Tom Goozen, and Dave Richardson. They're starting to get the hang of the power-volleyball basics and are giving the "older" teams a challenge. - Linda Even

Industrial Tennis League Results

The results from the 1986 West Suburban Industrial Tennis League are in...and Fermilab was again victorious. Fermilab faced competition from the A teams of AT&T Bell Labs, Amoco, and Argonne. The B team went up against AT&T Technologies (formerly Western Electric), AT&T Bell Labs and Argonne.

The B team won six out of six matches. The A team lost only one match and that was the last one against Argonne. It was a strong summer with people from all kinds of places (Japan, Italy, and North Aurora) playing. It involved technicians, engineers, programmers, a science teacher, and physicists.

The primary A team players were Steve Kuhlman (the 1986 Fermilab A Division Tennis Tournament winner), Yasuo Fukui (the A Division runner-up), Lloyd Klein, Charlie Briegel, and Eric McEwen. Some of the B team that helped out the A team (sometimes for better, sometimes for worse, but all had a good time), were Mel Storm, Rol Johnson, Paolo Trespi, and Scott Menary. The rest of the B team consisted of Sergio Ratti (the 1986 Fermilab B Division Tennis Tournament winner), Lynde Isoldi (the B Division runner-up), Bob Oudt, Hurti Areti, Linda Even, George Saamojluk, Randy Zamin, Bill Freeman, and Mark Knapp. - Linda Even

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Vehicular Residences

TRAILERS/MOBIL HOMES

1977 26-ft AYR-WAY TRAVEL TRAILER. Sleeps 6, rear bedroom w/double bed, 2 closets, overhead and lower cabinet storage w/drawers, center bath w/tub/shower, kitchen area w/4-burner gas range w/oven, vented range hood, gas/elec. oversize refrigerator w/freezer, double sink, drawers and xtra storage cabinets, gas forced-air furnace, gas auto. hot-water heater, dbl. 30-gal. gas tanks, 36-gal. pressure water syst., self-contained waste tanks, 120/12V distrib. panel w/converter, set-up stands, tandem axels w/elec. brake system, Rease level-right hitch, travel awnings on front and back windows. Asking \$4400.00. Call Carolyn, ext. 3315.

FLORIDA MOBIL HOME. 12x60, two bedrooms, 1/1-2 baths, 18x11 sunroom, furnished, Shady Acres Park, West Coast; \$14,000. Call Jim Catalanello, ext. 4889.

Miscellaneous

DOMESTIC PARPHERNALIA

BLACK & DECKER 1-HP DELUXE ROUTER. Model #7616, with the following accessories: router table complete, straight and circular routing guides, router template set (2 sizes letters and numbers), 4 bits, and router craft book, all items like new, used once for a short time; \$115. Call Evelyn, ext. 3276.

NEW POLICE SCANNER. Realistic brand, 20 channel, programmable AM/FM scanning receiver w/direct keyboard entry system; \$275 or best offer. Call ext. 3429 or 896-9083 after 5 p.m.

MOVING SALE: Coffee table and two end tables, \$125; earth-tone couch, \$100; wooden study desk, \$75; two bedroom dressers, one w/mirror, \$150; queen-size bedframe w/backboard and box spring, \$75; telephone answering machine, \$40; pedestal fan, \$20; Airco cutting torch, \$20; engine stand, \$30. All items in good-to-like-new condition and open to reasonable offers. Call Larry, ext. 3523 or 859-0515.

POOL TABLE. Minnesota Fats "Hustler," 8' regulation size, one-piece "slateen" bed, automatic ball return, good condition; \$500. Call Elaine, ext. 4421.

COMPUTERS. Tektronics 4010-1 terminal, \$400; Silent 700, \$100. Call (815) 722-2064 after 6 p.m.

BARNYARD PARAPHERNALIA

INCUBATOR. Homemade, works great, will hatch chickens, geese, ducks, or anything from an egg, holds 5 dozen, can use only part or all for small amount of eggs. \$35 or best offer. Call ext. 3626 or (815) 895-6823 after 6 p.m.