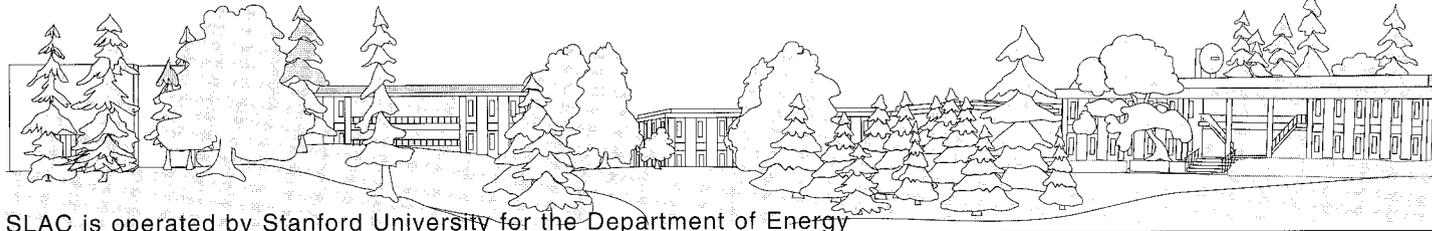


The Interaction Point

Events and Happenings
in the SLAC Community
May 2002, Volume 13, No. 4



SLAC is operated by Stanford University for the Department of Energy

Persis Drell Joins SLAC

(Photo: Cornell Photography)



“OPPORTUNITIES, CHALLENGES, AND INFECTIOUS enthusiasm” are the words Persis Drell uses to characterize the impressions she has gathered during her first weeks at SLAC.

“Guiding and managing the research program at SLAC is both an opportunity and a challenge,” says Drell, the new Associate Director for the Research Division. “As a major center for physics in the US, we have to strike a careful balance between maintaining a healthy lab able to sustain the physics now being done, and investing intellectual energy, physical resources, and our leadership on future—potentially risky, but potentially rewarding—new scientific initiatives. It is the challenge of striking the right balance that I find so exciting about coming to SLAC. As I learn more about the Division and have the opportunity to really meet the SLAC staff, I am struck by how enthusiastically I have been welcomed into the SLAC community.” She observes that people here really care about what they do and really enjoy working together to further SLAC’s scientific contributions.

Drell’s new role is built on a broad career involving experience in atomic, particle and astroparticle physics, teaching, and management. After graduating from Wellesley College, she completed her PhD in atomic physics at Berkeley in 1983. Drell then switched to particle physics and worked as a postdoctoral student with LBNL on the Mark II

experiment at SLAC. In 1988 she and her family moved to Cornell where they have been for the past 14 years.

Most recently, Drell was the Deputy Director of Cornell’s Laboratory of Nuclear Studies. In that capacity, she also served as the chair of Cornell’s Synchrotron Radiation Policy Committee. Her research at Cornell focused on studies of charm and bottom quarks to measure the fundamental parameters of the weak interaction. A sabbatical in astrophysics exploring the use of supernovae as cosmological distance markers gave her first-hand experience with the research needs in this field, knowledge that will be put to good use as she works with Jonathan Dorfan and others to plan and develop the Chen Institute.

Her committee service enabled her to develop a solid understanding not only of SLAC’s research program, but also of the research needs of the US particle physics community. She served for three years on the SLAC Experimental Program Advisory Committee and, until recently, served as chair of the Scientific Policy Committee. In addition, she served as a member of the 2001 DOE HEPAP Subpanel on Long Range Planning.

The choice to come to SLAC was a hard one, according to Drell. She and her family, which includes her husband Jim Welch (LCLS) and their three children, Cornelia (age 15), Joseph (age 11), and Rose (age 7), treasured the community of science, family, and friends they had built at Cornell. As part of her decision-making, she solicited advice from trusted colleagues. What impressed her most in those discussions was the view she was given of the SLAC staff. As one friend put it, after discussing the plusses and minuses of moving to SLAC: “...and then there is the wonderful SLAC staff. The history of SLAC is a collection of miracles driven by the wits of the people who work there.”

Drell is joined at SLAC by her husband, Jim Welch, who is an accelerator physicist in the LCLS program. While they miss their friends and family in Ithaca, they and their children are looking forward to the increased opportunity to spend more time with family and friends in the Bay Area. Drell and her family enjoy doing outdoor activities together, including hiking and camping.

Drell is no stranger to SLAC. “At five years old, I remember hearing Pief talking in my living room about ‘the Monster’, which was what SLAC was called in those days.” It seems appropriate that she should be here now, taking a major role in managing that monster.

—Pat Kreitz

Director's Corner



by Jonathan Dorfan

Annual HEP Program Review—
Congratulations To All!

ONE OF THE KEY elements in establishing and maintaining standards in research is the process of “peer review.” The foundation of peer review is its use of experts—who are peers—to evaluate and pass judgment in areas for which they have special knowledge and experience. Peer review has proven to be the most enduring and successful way to maintain standards for discovery-driven research.

The highest level of peer review used by the DOE to judge our scientific goals, progress and accomplishments goes by the name “Annual Program Review.” Six consultants with expertise in particle physics experimentation, theory and accelerators came to SLAC last month for a three-day review of the Laboratory’s high energy physics (HEP) program. They are: Thomas Appelquist (Yale University), Drew Baden (University of Maryland), Edward Blucher (University of Chicago), Patrick O’Shea (University of Maryland), Richard Temkin (MIT), and Edward Thorndike (University of Rochester). The consultants were accompanied by a team from the DOE Program Office in Washington which included Peter Rosen (Associate Director, High Energy & Nuclear Physics), John O’Fallon (Director, High Energy Physics Division), as well as Michael Procaro, David Sutter and Glen Crawford.

After an intense two and a half days of presentations on the theoretical, experimental and accelerator programs, the consultants were unanimous in their high praise for the Laboratory’s outstanding achievements of the past year. All areas of the current HEP program were acknowledged for their excellent quality and recent successes. It is my great pleasure to pass on to you, the Laboratory staff, this most positive outcome—after all, it is your work that the Committee has reviewed so positively. My heartiest congratulations and deep appreciation for your continued dedication to excellence in all that we do at SLAC.

A major goal was reached with our achieving our first full length beam this month. This superb performance could never have been accomplished without the dedication and hard work of every member of the staff. I want to express my sincerest personal thanks for your part in our achievement.

Warmly,

Wolfgang K. H. Panofsky
Director

40th Anniversary Countdown

This Month in SLAC History:

43 years ago:

May 14, 1959. President Eisenhower endorses the Stanford linear accelerator proposal in a radio broadcast speech to a meeting of leading scientists and industrialists in New York.

36 years ago:

May 21, 1966 (6:31 a.m.). First beam travels the full length of the two-mile accelerator to the beam-switchyard area. Its measured energy is 10 BeV. *See congratulatory note from then-SLAC Director, W.K.H. Panofsky, to staff (below).*

28 years ago:

May 1974. The Stanford Synchrotron Radiation Project (SSRP) begins operations—eight months ahead of schedule—with 5 experimental stations sharing one beamline.

26 years ago:

May 1976. Charmed mesons discovered at SPEAR by SLAC-LBL group (SPEAR Experiment SP-17). A second beam line with 4 additional synchrotron radiation experimental stations begins operating at SPEAR.

10 years ago:

May 1, 1992. The first Z’s are created at SLAC from collisions of polarized electrons with positrons.

8 years ago:

May 17, 1994. With assistance from SLAC, Beijing’s Institute for High-Energy Physics (IHEP) becomes the first Chinese institution to have a fully operational world-wide networking connection to the internet.

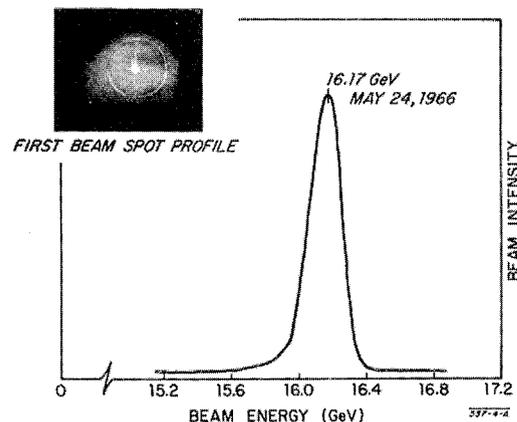
5 years ago:

May 10, 1997 (3:00 a.m.). First beam is injected into the B Factory.

—Jean Deken

Got Photos?

The SLAC 40th Anniversary Picture Book Project is looking for good photographs of SLAC people, places and events to include in a book to be published as part of the SLAC Anniversary celebration. If you have photographs you would like to lend, please send them to Jean Deken at MS 82. Include your name and mail stop, as well as any information you can provide about the people and events portrayed. Originals will be returned promptly, and all photos used for the project will be credited.



Research Office Building Dedicated

(Photos: D. Rogers)



(l-r) Stew Smith, Peter Rosen, and Jonathan Dorfan cut the ribbon at the dedication ceremony.

THE RESEARCH OFFICE BUILDING (ROB, aka Bldg. 048) was officially dedicated on April 2, 2002. During a brief ceremony Jonathan Dorfan (SLAC Director), Stew Smith (spokesperson for *BABAR*), and Peter Rosen (DOE, Associate Director, High Energy and Nuclear Physics) spoke before they proceeded to simultaneously cut the red ribbon.

The *BABAR* group is thrilled that SLAC and the DOE have provided such a great destination for their collaborators. The Users point out that the break rooms provide a casual spot where ideas can be easily exchanged in comfort. SLAC as a whole certainly appreciates the beautiful new meeting rooms that were so desperately needed.

The DOE provided funding for the new building. Dorfan thanked the people who worked especially hard to ensure the building was on time and on budget. Although there isn't space here to thank everyone who was involved in this project, the following people worked hard to make the project look easy.

Burl Skaggs (SEM) was the project manager and worked it through the DOE/Congressional system starting in 1998 to get funding approved. Jerry Jobe (BSD) established the baseline scope. Hieu Dao (SEM) came on board as project engineer, with Kingston Chan (SEM) as UTR. Deehpa Dhar did a great job as architect. Frank Brenkus (SEM) coordinated the 12kV substation purchase and installation. Hanley Lee was excellent as a DOE project manager and kept the problems to a minimum. Ruth Todd (Stanford University) was helpful in getting all of the campus architectural approvals. W.L. Butler was an excellent subcontractor.

Barbara Barrera (*BABAR*) provided splendid work and recommendations on the very touchy issue of space allocation, and handled all the logistics and stress of the move. She was instrumental in getting the use of the building off to a great start, and helped people from other parts of the lab learn how to schedule the conference rooms.

Some other people who deserve honorable mention are: **SE&M:** Irene Flick, cost tracking; Harry Shin, back-up UTR; Pete Gallego, fire system; Forrest Brown, electrical feed; Jill Knapp and David Saenz, interior design and installation; Robbie Robinson, labor to assist in move and set up.

DOE Site Office: Dave Osugi, Safety.

Contractor: Bill Butler, principal; Tom Rehme, superintendent.

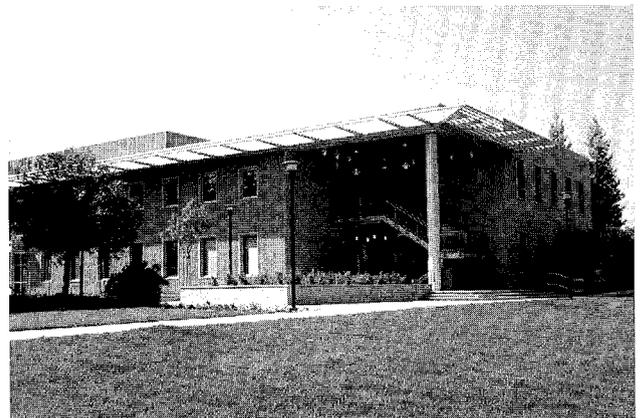
Others at SLAC: Stew Smith, customer; Rick Yeager, security; Ginger Byam and Ben Goodman, purchasing; Fred Hooker, telecom; Bob Reek, fire system review; Jack Fry, code/safety inspection; Mike DiSalvo, Burhan Haile, and Ray Lo, SLAC Computing Services; and many others...

Everyone at SLAC deserves thanks for their patience during the construction period. Go take a look at our new addition! This building should be an asset for all of us.

—Roz Pennacchi

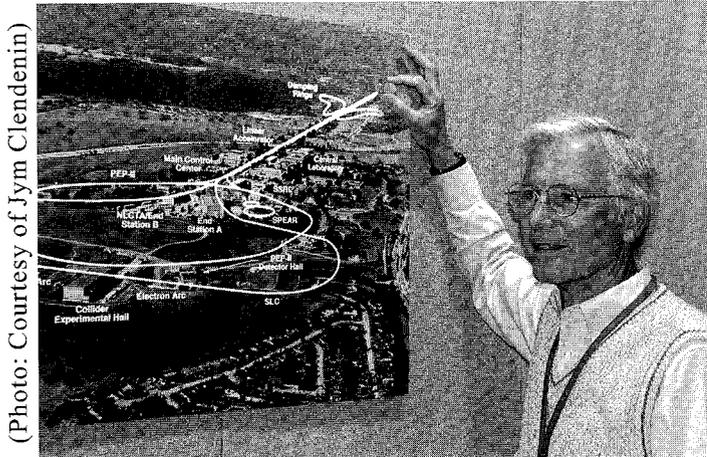


Applause at the dramatic ribbon-cutting ceremony.



The Research Office Building.

CRDF Grants Awarded



Jym Clendenin demonstrates where the gallium arsenide photocathode fits into SLAC's accelerator complex. The three-quarter-inch semiconductor generates the polarized electrons that are used in the linear accelerator. Clendenin will work with partners from Russia to develop better photocathodes for the Next Linear Collider.

TWO SLAC SCIENTISTS ARE teaming up with scientists from the former Soviet Union. James Clendenin (AD), and Peter Bosted (University of Massachusetts), will do research with physicists in Russia and Armenia respectively, thanks to two-year grants from the Civilian Research and Development Fund (CRDF). These grants were established to help support scientists of the former Soviet Union, but Clendenin and Bosted agree that they benefit everyone.

The grants were set up in 1995 to help support exceptional peer-reviewed research projects that offer scientists and engineers alternatives to emigration and help prevent the dissolution of the scientific and technological infrastructure of the countries of the former Soviet Union. Ninety percent of the grant money is used for laboratory equipment, supplies and salaries for the former Soviet scientists, with ten percent allotted for travel. Stanley Brodsky (Theory), and Russian physicist Boris Ioffe won a CRDF grant in 2000. Several scientists from Stanford University have also been awarded grants in recent years.

Clendenin and Yuri Mamaev (State Technical University in St. Petersburg, Russia), were jointly awarded \$65,000 to study polarized photocathodes. This is the second time the pair has won the grant; the first was in 1997.

Clendenin is part of the polarized photocathode research group at SLAC and Mamaev is the principal investigator for a similar group at the State Technical University. Since the mid 1980s, Mamaev's group has studied the properties of gallium arsenide crystals in polarized photocathodes. The crystals are grown at the Ioffe Institute, a state-run lab just across the street from the university in St. Petersburg that used to do research for the Soviet military. "The lab is still there and it's still state-run," said Clendenin. "They can grow the crystals quickly and inexpensively, so we can get a lot of material from them."

Photocathodes are used at SLAC to make the electrons that are accelerated down the two-mile-long linear accelerator. When physicists shine light particles from a laser onto a photocathode, the photocathode turns the light into electrons. The photocathodes used now generate electrons that are about 80% polarized, but the Next Linear Collider will require electrons that are at least 90% polarized. Clendenin hopes that collaborating with Mamaev will lead to this improvement in the quality of the photocathodes.

Clendenin says he plans to spend two weeks in St. Petersburg sometime this summer and will send another SLAC physicist after he returns. Next year, Mamaev will spend a month at SLAC near the end of the two-year grant, and he will also send a graduate student to SLAC for four months.

Peter Bosted and Robert Avagyan (Yerevan Physics Institute in Armenia) were jointly awarded a \$60,000 CRDF grant. Bosted, a SLAC user who also teaches physics at the University of Massachusetts in Amherst, says that Avagyan is an expert with photon beams. Like other scientists funded by the Soviet military, Avagyan lost nearly all of his funding after the fall of the Soviet Union.

Photon beams were last used for research at SLAC in 1979. "We like to say we're resurrecting the photon beam here," joked Bosted. Recently, they have become useful as tools for understanding charm quark behavior. When Avagyan and his group come to SLAC, they'll bring diamond crystals for making the photon beams and equipment to measure the beam's polarization and brightness. "For me, the biggest benefit is getting a large group of very talented people to make a big contribution to the experiment that they wouldn't have been able to otherwise," said Bosted.

Bosted will do research in Armenia for several weeks this summer, and Avagyan, who has worked with SLAC before, will return to SLAC after Bosted's trip.

-Desiree Scorcio

Congressman Goodlatte Visits SLAC



Jonathan Dorfan (l) is shown with Congressman Bob Goodlatte (c) from Virginia who visited SLAC with his son Bobbie (r) on April 5.

Energy Management Update

WE HAVE GOOD NEWS in the field of energy management: DOE Federal Energy Management Program (FEMP) administration approved \$330.5K funding for SLAC to implement Phase 1 of the Klystron Gallery Lighting Upgrade project. In addition, we secured a California Energy Commission grant of \$92.7K for this project. The project entails replacement of 1,580 incandescent lamps and 275 energy inefficient fluorescent lighting fixtures in the Klystron Gallery with new, energy efficient, fluorescent lights. The projected saving is 3.7 GWH per year. **Yes, you read the amount correctly – it is indeed 3.7 Giga Watt Hours per year, or enough yearly power for about 500 homes!** Our recently completed pilot installation in Sector 12 received the approval of Klystron Gallery Building Managers Al Baker and Tom Graul as exceeding the existing standards for illumination.

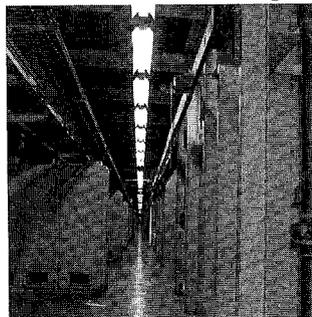
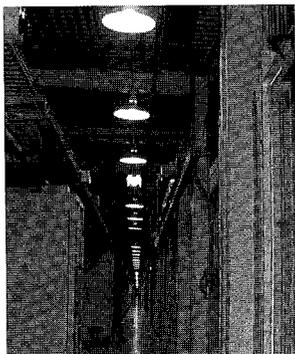
This is the first major step toward implementation of a Site-wide Lighting Upgrade Program. Many areas at SLAC present opportunities to improve energy efficiency. Lack of on-demand lighting controls and inefficient lighting is disappointing to some at SLAC who would like to see us move faster. However, these energy conservation projects require capital investments and, even with good saving-to-investment ratios and short payback periods, the funding is somewhat difficult to obtain. We at SE&M are continually working on development and submission of proposals for procurement of funds for energy conservation projects.

The Central Chilled Water Plant Upgrade is another project with good energy savings potential. The project is being funded out of the SLAC General Plant Project budget and will be in full operation by the end of May 2002. It is currently under construction and is being managed by Kingston Chan (SE&M). The scope of work includes replacement of three old, inefficient chillers with new energy-efficient machines and improving the chilled water pumping system for energy efficiency. **The expected energy saving for this project is 2.3 GWH per year!**

The summer period, featuring high electrical demands, is coming upon us again. Please continue implementing simple, no-cost or low-cost energy conservation measures. For energy conservation tips and other energy related information visit our Energy Management website at www.slac.stanford.edu/slac/energy/.

—Luda Fieguth

(Photos: L. Fieguth)



Sector 12, South Aisle lighting. Note before (l) and after (r) illumination down the length of the Klystron Gallery.

SATIF-6 Workshop



(Photos: D. Rogers)

Participants of the SATIF-6 Workshop held in April.

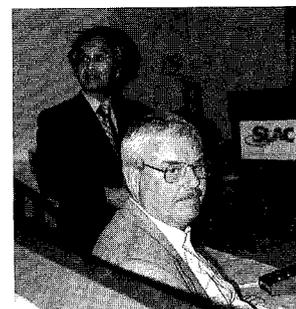
THE SLAC RADIATION PHYSICS Department hosted the 6th International Workshop on Shielding Aspects of Accelerators, Targets and Irradiation Facilities (SATIF-6). Sayed Rokni was Chairman of the Workshop, held at SLAC in April. Fifty-five radiation physicists from laboratories, companies, universities and medical centers from 10 countries and two international organizations participated in the 2-1/2 day workshop. For a complete program, see <http://www-project.slac.stanford.edu/satif6/>.

The activities of the Task Force on SATIF are sponsored by the OECD (Organization for Economic Co-operation and Development) Nuclear Energy Agency (NEA) and its Nuclear Science Committee (NSC). The main objectives of the SATIF Meetings are:

- to promote the exchange of information among experts in the field of accelerator shielding and related topics;
- to identify areas where international co-operation can be fruitful; and
- to carry on a program of work in order to achieve progress in specific priority areas.

SATIF is jointly organized by the OECD's NEA; the Radiation Safety Information Computational Center (RSICC); and the Shielding Working Group of the Reactor Physics Committee of Japan.

SLAC's Radiation Physics Department has been active in SATIF from its beginning. Recently, to better prepare for the NLC design, it has aligned part of its research goals with that of SATIF. Members of the department have been involved in joint collaborative efforts with radiation physicists from Japan and CERN and have made extensive use of the SLAC Test Beam Program. Radiation Physics was well represented at SATIF-6 with three papers on results of recent collaborative efforts on experiments performed in the Beam Dump East and the FFTB in collaboration with Tohoku University, SPRING-8 and CERN.



(l-r) Takashi Nakamura (Tohoku University) and Dr. Alberto Fasso (CERN), co-chairs of one of the SATIF sessions.

—Sayed Rokni

MARK YOUR CALENDAR!

MARK SEPTEMBER 14 ON YOUR calendar for our Family Day celebration at SLAC. This year will be a special event because we are combining our bi-annual Family Day picnic with a celebration of SLAC's 40th anniversary. All SLAC employees/retirees and their families are invited to attend.

The theme of Family Day is "Celebrating 40 Years of Accelerating!" The Family Day Committee is hard at work planning activities such as: an vintage car show; arts, crafts and hobbies show; picnic and carnival games for "kids" of all ages; a celebrity dunk tank; face painting and caricatures; live music; a volleyball tournament; ping pong; giant slide, obstacle course and other "inflatable" games; and, of course, wonderful food.

In addition to attending Family Day, you can be a participant in these activities. The committee will be looking for SLAC employees who want to enter their cars in the car show or who want to display and/or sell their wares in the arts, crafts and hobbies show. We'll also be looking for volunteers to be clowns, tell stories, do magic tricks and work at the popcorn, cotton candy and ice cone stands.

Save the date now and watch for the flyers announcing how you can volunteer and become a participant in the activities.

REFERRALS PAY OFF

"WORLD CLASS PEOPLE" TEND to have World Class friends and associates. This has proven to be true at SLAC, where the SLAC Employee Referral Program has brought top talent to the Laboratory and has created a winning situation for all involved.

A recent success story involved a manager who needed to fill a critical physicist opening and a SLAC employee who referred a previous co-worker and friend for the position. The result was a great match of skills and enthusiasm, with a brilliant new hire returning to the science she loves, and the referring employee receiving a \$250 referral bonus and the chance to once again work with a colleague. The hiring manager declared, "SLAC won big on this one!"

SLAC wins big every time there is a successful hire. You can win too, by referring one of your World Class friends. Visit <http://www-group.slac.stanford.edu/hr/referral.htm> for complete Employee Referral Program information and <http://www.slac.stanford.edu/cgi-bin/spiface/find/jobreq/default> for a list of current job openings.

Work Safe, Work Smart

An injury involving days away from work occurred on 2/21/02 according to Sharon Haynes, Worker's Compensation Coordinator. The number of calendar days between then and the last injury of 1/30/02 is 22 days. SLAC's record number of days between claims involving days away from work remains at 184 days.

We Walk So They Can Read



(Photo: P. Wethington)

The women in Human Resources walked the Linac to raise money for UNIFEM, a United Nations organization providing funds for the education of women in Afghanistan. Walkers included: [front row from left] Erin Smith, Claudia Ransom, Sharon Haynes; [back row] Karen Lawrence, Ute Hayes, Barbara Mason, Toni Campos and Carol Bechtel. [Not pictured: Linda Ahlf]

Tips from TIP

- Weight Watchers pledges to help you achieve your weight-management goals in a safe and effective way. Help us bring Weight Watchers back to SLAC. Call Dianne Jenkins for questions at x2215.
- Host families are needed for the local minor league baseball team, the San Jose Giants. Cathy Knotts (SSRL) and her husband have been a host family for the past three years. The team is always in need of more host families. If anyone has a spare bedroom and is interested in helping out these aspiring young baseball players, please contact Linda Pereira at (408) 297-1435. Besides the warm feeling from helping someone get started, host families also get a season pass to the San Jose Giants and invitations to special events to meet team players and managers.
- HR and the Operating Safety Committee are sponsoring a "Bike to Work Faire" on May 10 from 11:00 – 2:00 on the Green in front of the Cafeteria. This is for bicyclists, budding bicyclists and others with an interest in alternate transportation and bicycle safety. In addition to information on bicycle safety and alternate transportation, local bicycle shops will display various safety products. Bring your bicycle to get a free safety check. Steve Schmidt, Mayor of Menlo Park, will speak to us on "Bike Safety in the Sand Hill Corridor" at 12:15. Best of all, there will be a raffle with prizes and bicycle goodie giveaways! Everyone is invited to attend.

SLAC EMERGENCY HOTLINE

1-877-447-7522

BaBar Has World's Largest Database!

ON MARCH 27, THE *BaBar* experiment's database stored its 500,000th Gigabyte, a milestone that makes it the largest known database in the world. *BaBar* mass-produces huge quantities of scientific data with industrial efficiency, sending up to 500 Gigabytes of data daily to the experiment's database.

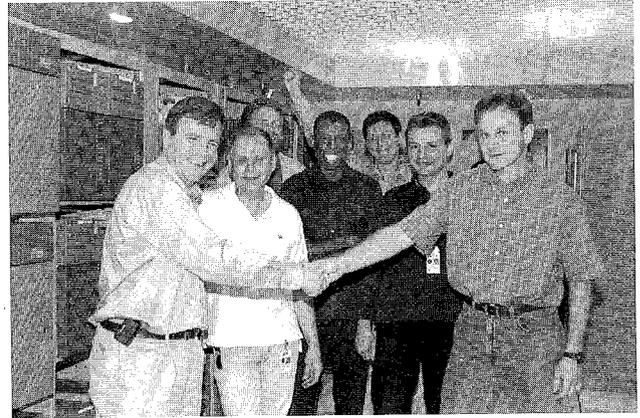
Printed out, the 500 Terabytes of data in the *BaBar* database would fill one billion books. That's nearly 60 times the number of books in the Library of Congress, the largest library in the world. "The need to store the avalanche of information coming from the experiment and then efficiently search and retrieve specific data samples has driven physicists and computer experts to create innovative technology," said Jonathan Dorfan. "Governments, commercial corporations and institutes will face similar needs in the near future and the knowledge and experience we have gained will be passed on."

In 1996, while work was beginning on the construction of the experimental apparatus, researchers at SLAC and the Lawrence Berkeley National Laboratory (LBNL) began the arduous task of constructing an efficient and convenient way of storing and retrieving the enormous output of information expected from the experiment. Working closely with physicists from the *BaBar* project, as well as researchers at other physics laboratories, the development team chose to base the system on a new object-oriented database technology. Objectivity/DB, a product of Objectivity, Inc. based in nearby Mountain View in the heart of Silicon Valley, was chosen to meet the demands of the *BaBar* data.

The SLAC and LBNL team worked over two years to customize the core database software to provide the scientists with the initial features they needed for this immense project. SLAC and LBNL researchers wrote more than half a million lines of software code to provide the physicists access to their data in a simple and reliable fashion. "We liked the challenge," said Jacek Becla, the *BaBar* Database group manager. "We bet on a promising, but somewhat unproven, object-oriented database technology back in 1996."

In May 1999, the experiment began taking data and the database was put to the test. It was not at all clear that the technology could keep up with the vast flow of information coming from the experiment. Bottlenecks were found, but one by one these problems were eliminated and the database began to hit its stride. The database is now capable of recording data at speeds no one dared dream of in 1999. More than a Terabyte of data can be stored every day.

"This milestone of 500 Terabytes is a vindication of the potential of object databases that we anticipated when we embarked on this project," said LBNL's David Quarrie, a chief architect of the system. "A lot of credit should go to the members of the *BaBar* Database group and to Objectivity who have collaborated well with us. This is a great example of how research scientists can collaborate with high-tech industry to create new systems that in the near future can benefit all kinds of fields."



(Photo: D. Rogers)

(l-r) Richard Mount, Andrew Hanushevsky, Simon Patton, Adeyemi Adesanya, Adil Hasan, Artem Trunov, and Jacek Becla congratulate each other on reaching 500,000 Gigabytes in the World's Largest Database.

"We have to stay on the cutting edge in order to use our resources in the most efficient way," said Richard Mount, SLAC's head of computing. "The database is the biggest not because we want it to be but because we need it. And it looks like we have a lot more scaling to do in the next few years as the amount of data along with the number of data analysis jobs grows."

For more information about the *BaBar* database please visit <http://www.slac.stanford.edu/BFROOT/www/Public/Computing/Databases/index.shtml>.

-Neil Calder

SLAC Users' Organization (SLUO) Team



(Photo: D. Rogers)

(l-r) Sonja Cronin, Fran Spiller, and Olga Iakovleva take a moment from their busy schedule helping users at SLAC.



Do you Search? Have you tried FrontPage 2002?

Do you Search?

SCS MANAGEMENT WOULD LIKE to know if you search for information on the SLAC web, what you use to search with, and how successful you are at finding what you want on the web. Please take a minute to fill out the survey at www-group.slac.stanford.edu/wim/feedback/searchfeedback.html. You can respond anonymously or choose to provide contact information.

Frontpage 2002

Microsoft's latest version of FrontPage is available for testing (download off the shared NT X drive at \\winsan\pub\Applications\Supported\FrontPage2002). Although designed to run with Office XP, it runs equally well with Office 2000 under either the NT or Windows 2000 operating systems. I've been using the program for several months and have been very pleased with the new features, such as:

- Under **Tools – Page Options – HTML Source** you can choose to preserve or selectively reformat your html code. If you preserve formatting, FrontPage will no longer “fix” anything for you—especially any scripts you may have placed in the page. The down side is that if you hand code, you can now write invalid code. The up side is that you can, for example, have FrontPage reformat your code to comply with the more rigorous XML specifications.

- When you copy and paste from another Office product you now have a choice of keeping the formatting of the original document or pasting in plain text. To eliminate formatting, I used to copy, for example, from Word to Notepad and then into FrontPage. This feature is enabled under **Tools – Page Options – General – toggle the Show Paste Options Buttons** check box.

A FrontPage 2002 Tutorial (downloaded from Microsoft) is available at www-group.slac.stanford.edu/wim/FP/FP2002Tutor/fp2002tutor.pdf. More FrontPage information is available at www-group.slac.stanford.edu/wim/.

Respect at the SLAC Gate



NEXT TIME YOU SHOW your badge at the Entrance Gates, try smiling—it'll do you good, and it'll make a big difference to the guard viewing your ID. This behavior may come naturally, but not to everyone. Rick Yeager, Safeguards & Security Manager, reports rudeness by some as a result of the more stringent security checks

put in place after September 11. The security checks are a DOE mandate and the guards are enforcing it to provide the least inconvenience while adhering to the mandate.

Within a recent two week period, three persons “ran the gate” at speeds from 10 to 25 mph. Responses to Patrol Officers included “I was late,” “That’s a stupid requirement,” and “I didn’t see the Stop Sign.” The latter was from a 20-year SLAC employee. As Yeager observed, “There have been, and continue to be, almost daily incidents of sarcastic comments directed at the Gate Officers as people are passing...This attitude is somewhat difficult for me to understand when I see the names of the people making the comments.”

Remember, SLAC’s Respectful Workplace Policy starts as soon as you cross the SLAC property line. While each one of us contributes different skills to the mission of the Lab, we have in common at least two things: we want SLAC to be safe, and we’re all human beings. Why not go that extra distance and transform “human” to “humane” the next time you arrive at work.

–Janice Dabney, Chair
Operating Safety Committee

Milestones

APPOINTMENTS

Williams, Steve, RD, promoted to Deputy Research Division Director, 4/17/02

Weisend, John, EFD, promoted to Experimental Facilities Department Head, 4/25/02

AWARDS

Hubbard, Jean, “Trailblazer Leadership Award 2002,” for making a difference in the business, community and the environment, from American Transitech, Inc., 3/02

SERVICE AWARDS

Mount, Richard, SCS, 5 years, 05/01/02

Wermelskirchen Clemens, ASD, 5 years, 05/02/02

O’Grady, Christopher, BABAR, 5 years, 05/12/02

Cohen, Aina, ESRD, 5 years, 05/27/02

Pickrom, Sandra, Purchasing, 15 years, 05/01/02

Bloom, Elliott, Experimental Group K, 35 years, 5/19/02

Candia, Arthur, EFD Cryogenics, 35 years, 5/22/02

RETIRED

Beach, John, ESD, 4/30/02

DECEASED

Peregoy, Fred, left SLAC in 1985; died 4/9/02 at age 80

Seavers, Charles H., SSRL Beam Line Development, died 4/10/02 at age 45

Email milestones to tip@slac.stanford.edu. For expanded information see: <http://www.slac.stanford.edu/pubs/tip/milestoneform.html>.