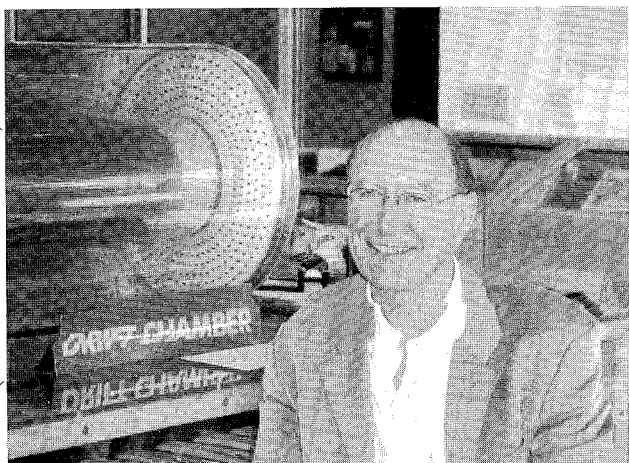




SLAC is operated by Stanford University for the Department of Energy

SLAC Welcomes New Communications Director

(Photo: T. Peterson)



When asked where he would like his photo taken, Calder chose the SLAC Visitor's Center, where his sense of fun and humor let him choose from many different settings.

CHOOSING HIS WORDS CAREFULLY, as befits the Lab's Director of the Office for Communications, Neil Calder reflected on his first week at SLAC. "SLAC has a worldwide reputation for scientific excellence and my first week has confirmed this. There is so much going on here! Communication is both my profession and my passion—it is going to be a challenging but pleasurable task to use my skills to tell the world SLAC's many stories."

Calder comes to SLAC from the European Laboratory for Particle Physics (CERN) in Geneva, Switzerland, where he was Head of Press and Publications for 13 years. He brings a wide range of communication skills, good judgment and a splendid sense of humor to this new position.

Calder and his wife Camilla have three sons, one working in Geneva and two in high school. Balancing his work-related challenges, Calder enjoys spending time with his family—birdwatching, fishing, playing traditional music on the flute and riding a motorcycle very slowly.

The SLAC Office for Communications grew out of the recommendations of the SLAC Communications Task Force (see Director's Column, *TIP* Jan-Feb, 2001). In the newly created position of Director of the Office for Communications, Calder manages a

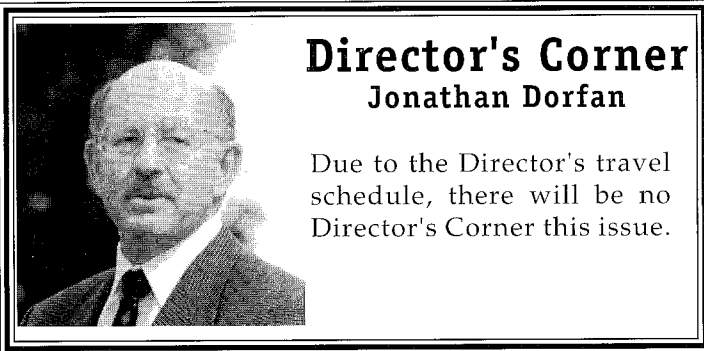
broad range of internal and external communications. He and his department will work with SLAC's scientific community to communicate our achievements to the laboratory community, the international scientific community, the media, local and national government, science educators, and the general public. The Communications Office incorporates current activities such as community, media, university and government relations; science education; the SLAC *Beam Line* and *The Interaction Point*; conference management; the tour program and multimedia services.

As the CERN Head of Press and Publications, Calder ran communications for the world's largest physics laboratory with some 8,000 people from 83 nationalities on site. With the confidence built from years of public exposure, Calder comments, "I have been involved in the diplomatic negotiations, the ups and downs, of CERN over the last decade and gained an in-depth understanding of the world particle physics community."

Calder holds a Master of Arts in English Language and Literature from St. Andrews University in Scotland and began professional life as a Lecturer in English Literature. At the Université d'Oran in Algeria he soon realized that Shelley's poetry was less relevant to the students than the English used in natural gas liquefaction plants. Accordingly, Calder wrote a course on the language of gas liquefaction. This started a new career preparing specialized, technical English language training programs which eventually took him to CERN in 1979 to prepare a course for accelerator control technicians.

Ten years later, the (now past-) CERN Director General, Carlo Rubbia, appointed Calder as Head of the Press Office. During his tenure some 6,000 journalists passed through the CERN Press Office. Calder organized and presided over several international conferences on media relations and taught journalism in France, Britain, Italy and Spain. He has produced several films and worked with physics teachers worldwide to counteract the falling interest in physics among students. With this

(Continued on Page 2, Col. 1)



Director's Corner Jonathan Dorfan

Due to the Director's travel schedule, there will be no Director's Corner this issue.

Neil Calder

(Continued from Page 1)

experience, he has "built up a unique knowledge and network of contacts in the world's science media that can now be turned to SLAC's benefit."

One of Calder's most exciting charges from the Director is to improve communications at SLAC. To help him craft communications content and methods that meet SLAC's needs and reflect the vitality and excitement of our science program, he welcomes your ideas and suggestions. "I have just begun the process of getting to know SLAC and look forward to meeting the people who make this laboratory work."

His office is located near the lobby of the Central Laboratory (Room R102). Drop by, call him at x8707, or send e-mail to Neil.Calder@SLAC.Stanford.edu.

—Pat Kreitz and Nina Stolar

Tips from TIP

•In December's *Interaction Point*, we showed a photo of the SLAC 500-KW CW Klystron on display outside the Test Lab. Check out the website at <http://www.slac.stanford.edu/grp/pao/art/klystron/klystron.html> for more details.

•Applications for the first Katherine E. Pope Summer Fellowship are available on the web at <http://www-group.slac.stanford.edu/hr/d/SummerFellowshipApp.html>. Applications, postmarked no later than February 28, 2002, should be sent to Lee Lyon, Director of Human Resources.

•A 10-year service award ceremony was held in January. See <http://www.slac.stanford.edu/hr/er/2002/10-year-awards/10year.htm>.

•The SLAC shuttle is no more. After a very long run, Caltrain Shuttle will now provide service between SLAC and the train station in Palo Alto. Check out pick-up and drop off locations at <http://www-group.slac.stanford.edu/sem/transportation/caltrainbus.html>. For information, call the SLAC SEM service desk at x8901.

DOE Security Conditions and New SLAC Badge Policy

AS ALL OF YOU know, since September 11th SLAC has lived under tightened security conditions. Everybody entering the site has had to show either a SLAC photo badge or a Driver's License. Visitors, contractors and students are admitted only if they have a verifiable purpose and Point of Contact (POC) onsite. We have taken this step to insure our own security, in compliance with DOE expectations. For your information, DOE has five possible Security Condition levels to which they require their facilities to conform when so instructed; we are not an exception to these requirements despite our University affiliation.

As long as the current DOE Security Condition is in place, this policy will continue. In addition, at the current level, all DOE labs have now been asked to tighten their identification requirements while people are onsite. To meet these requirements while preserving our Open Campus University atmosphere to the maximum extent possible, we are implementing the following policy for the two areas of our site:

1. The Open Campus Area, outside of the Accelerator fence
2. The Accelerator Area, behind the fence, controlled by the Sector 30 and 17, and Alpine Road gates

The new badge policy, which goes into effect immediately, is as follows:

While in the Open Campus Area, all regular staff are expected to be in possession of their SLAC Badges. Visitors must be in possession of a valid photo ID at all times. All are expected to show this photo identification when requested.

While in the Accelerator Area, all persons working there must wear the SLAC Badge or a special Visitor's Badge at all times. Badges must be displayed above the waist at mid-torso level and must be visible at all times. Visitors to this area must have a SLAC point-of-contact (POC) who accompanies the visitor to the gate (Sector 30 or 17) and arranges for a special Visitor's Badge to be used in this area. The POC signs the appropriate entry forms. The POC may also arrange for a temporary dosimeter for the visitor when deemed appropriate.

This new badge policy will be reconsidered when DOE lowers the level of the current Security Condition.

I thank you all in advance for helping to implement these new procedures.

All-Hands memo from Jonathan Dorfan regarding Badging, dated 12-11-01.

SLAC Hosts Web Symposium

ON DECEMBER 3 AND 4, SLAC became the center of the Web world as it hosted a symposium celebrating the 10th anniversary of the SLAC web site (the first in the US). The symposium, entitled "The Once and Future Web," attracted attendees of diverse interests—webmasters, technologists, teachers, etc. The event was also covered by journalists from around the globe, from CNN and NPR to Austrian television; from *USA Today* to the *San Francisco Chronicle*.

The first day of the symposium featured talks about the early history of the Web and the pioneering roles played by high-energy physics laboratories such as SLAC and Fermilab. Speakers included Tim Berners-Lee (via video from MIT), Paul Kunz and Tony Johnson of SLAC, and Chris Quigg and David Ritchie of Fermilab. Robert Cailliau of CERN gave an anecdotal history of the Web at the symposium dinner at the Stanford Faculty Club.

The second day of the symposium included talks by internationally renowned speakers on the future of the Web and the Internet. With the Internet economy in shambles, "There's never been a better time to think about where the Web is going, and everybody has a lot of time to think about it," said Paul Saffo, the director of the Institute for the Future. "We need to work to



Symposium attendees in a face-to-face discussion with speaker Lawrence Lessig (right) of Stanford after his presentation.



(l-r) Ruth McDunn (SLAC), Tony Johnson (SLAC), Liz Quigg (Fermilab) and Robert Cailliau (CERN) on a panel discussing early use of the Web in high energy physics.

ensure that the original values of the Web endure," said Jim Fruchterman, the president and CEO of Benetech, a nonprofit that makes books accessible online for the disabled. Tiffany Shlain, founder of the Webby Awards, invoked images of the September 11 World Trade Center disaster to illustrate how the Web affects online community and culture. Professor Lawrence Lessig of Stanford University (pictured above, right) described how some of the legal issues that stood in the way of the dissemination of Web and Internet technologies a decade ago are re-emerging in different forms. The presentations by many of the symposium's speakers can be seen at the symposium web site at <http://www-project.slac.stanford.edu/webanniv/>. Streaming media of the talks will also be on the site, as well as links to some of the press coverage of the event.

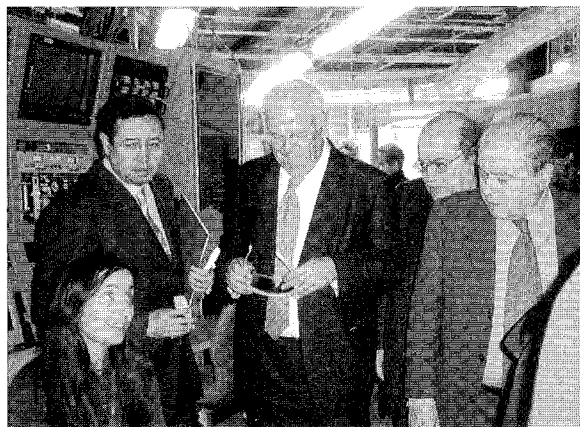
All of the symposium attendees seemed to come away from the event both stimulated and inspired. The most common comment was, "When is the next one?"

—Bebo White

President of Catalonia Visits SLAC

JORDI PUJOL, PRESIDENT OF Catalonia, Spain, visited the laboratory on January 17. With plans for a Spanish synchrotron facility by 2006 (Barcelona is a possible site), Pujol and other Catalan dignitaries toured the SSRL facility to gather information. On their visit, they learned of the use of the energetic x-rays in ultra-sensitive detection of semiconductor contaminants and in determination of 3D protein structures from SSRL staff.

(Seated left) Ana Gonzales (SSRL), (standing l-r) Deputy Minister of Education, Ramon Farre; Minister of Industry & Commerce, Antoni Subira; Minister of Universities, Technology and R&D, Andreu Mas-Colell; and President Jordi Pujol. (Not pictured is Science Advisor and Physics Professor Ramon Pascual.)



(Photo: T. Peterson)

Catch People Doing Something Right

WHAT'S THE BEST MOTIVATOR for good work performance? "Recognition for a job well done," say 96% of workers. Yet only 40% of these workers say that they receive any recognition at all for good job performance or outstanding individual accomplishment.

Taking time to acknowledge good performance and to celebrate accomplishments is important in promoting job satisfaction and productivity among workers. Morale also improves when you "catch" people doing something right, rather than "catching" them only when they make mistakes. When you expect the best from people and let them know what you expect, you are more likely to have your expectations met. And when you add recognition of accomplishment to the mix, good performance is more likely to continue.

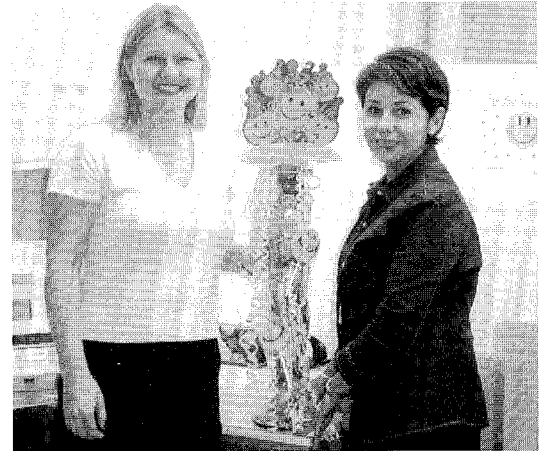
Recognition for good work does not have to be elaborate, overly time-consuming or expensive. It can be as simple as sending a hand-written note to a person acknowledging a job well done or as inexpensive as treating a fellow worker to a cookie or Coke to celebrate a completed task. Recognition does not have to flow only from supervisors to supervisees. Supervisors also enjoy occasional kind words and recognition when they accomplish something or go out of their way to make the work environment better.

Recognition is best when it is personalized. That means you have to care enough about people to learn what they are about. Do they like certain flowers or have a favorite football team? Do they take particular pride in certain aspects of their work? Do they like to celebrate with their peers or would they prefer a more quiet form of recognition? Knowing something about the people you work with or supervise is helpful in

determining what type of recognition would best motivate each individual.

Expecting the best from people and catching people doing their best will go a long way in making SLAC an even better place to work!

—Carmella Huser



(Photo: T. Peterson)

(l-r) Anita Piercey and Teresa Cervantes display winning smiles after receiving HR's traveling trophy awarded monthly within the department for outstanding accomplishments in serving the SLAC community. In addition to recognizing their competent and friendly service in the Benefits Office, HR celebrated their successful work during the open enrollment period for medical insurance benefits. The two-foot trophy was filled with candy, bubble gum and smiley face toys depicting this month's theme: "Benefits make us smile!"

SERT Needs Volunteers

VOLUNTEERS FOR THE SLAC Emergency Response Team (SERT) are needed. SERT functions to respond to any disastrous event that might occur on SLAC grounds. Their mission is to be ready, be a support, rescue safely, and do the greatest good for the greatest number of people. Involvement in the team entails active participation during arranged training throughout the year.

Team training includes instruction on emergency response procedures and the use of emergency supplies that are



stored at SLAC. Hands-on activities include how to manage utilities and put out small fires; to provide treatment for airway obstruction, bleeding, and shock; to provide basic medical aid; to search for and rescue

victims safely; and to organize themselves and any spontaneous volunteers to be effective. Textual and practical first aid experience gained with SERT could benefit the community you live in as well.

A special seven-session series on emergency preparedness, under the Federal Emergency Management Agency (FEMA), will begin in April and run through September 2002. Interested individuals should contact Nimfa Santos, R.N., at x4535 or email nbsantos@slac.stanford.edu for more details.

—Nimfa Santos

PEP-II Reaches a New Peak Luminosity

LAST FALL PEP-II ACHIEVED a luminosity of $4.5 \times 10^{33} \text{ cm}^{-2} \text{ sec}^{-1}$, which is 1.5 times higher than its design value. In addition, PEP-II delivered 309 pb^{-1} of integrated luminosity to the *BABAR* detector in a single 24-hour period, more than twice the design value of 135 pb^{-1} . "Luminosity" is a measure of how well the beams are colliding.

At the end of the 2001 run, PEP-II was colliding 796 bunches of electrons against 796 bunches of positrons. The electrons have an energy of 9 GeV and the positrons have an energy of 3.1 GeV. These matter and anti-matter beams are stored in separate storage rings inside the 2200 meter long PEP-II tunnel, and are brought into collision inside the *BABAR* detector. The collision of an electron with a positron produces a center-of-mass energy of 10.58 GeV which is the mass of a particle called the Upsilon 4S. This particle decays into two heavy quark anti-quark *B* mesons, hence the name *B*-Factory.

The *BABAR* collaboration is studying these *B* mesons to find a small but expected asymmetry between matter and anti-matter. Last summer they published a result in *Physical Review Letters* with enough data to conclusively show that there is an asymmetry between matter and anti-matter, or that there is a breakdown of the CP symmetry. The observation of CP violation requires a great

PEP-II Monthly Integrated Luminosity

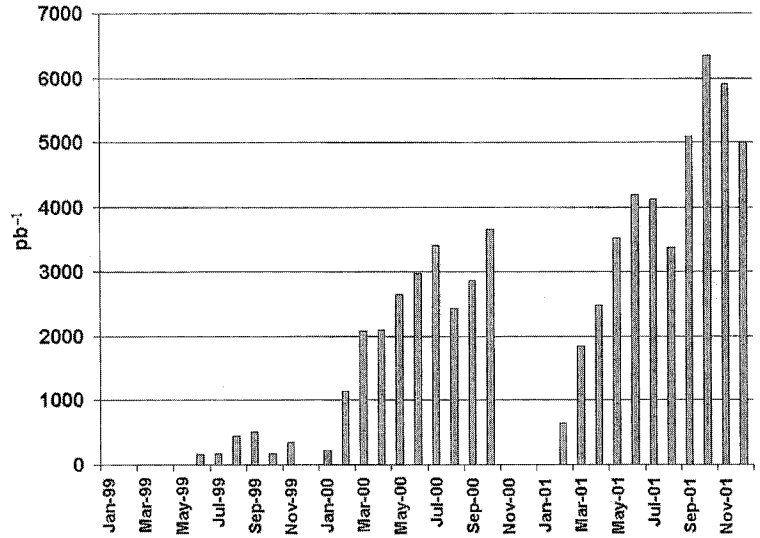


Figure 2. Plot of the monthly luminosity delivered by PEP-II to the *BABAR* detector.

Maximum PEP-II Luminosity ($\times 10^{33} \text{ cm}^{-2} \text{ sec}^{-1}$)

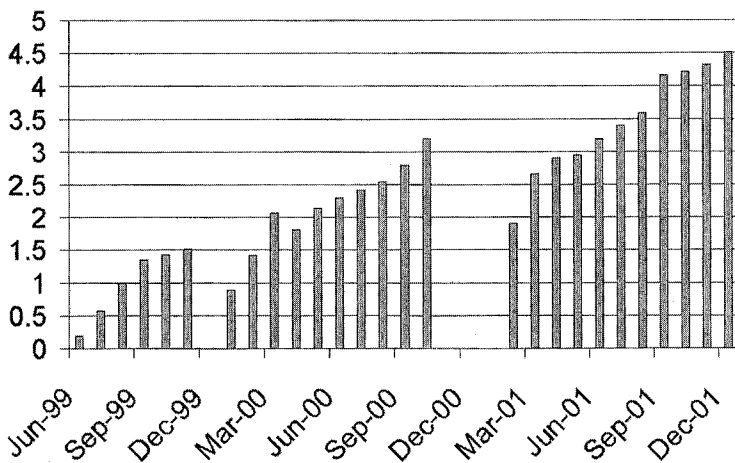


Figure 1. Plot of the peak PEP-II luminosity for each month of running. These are the peak values during *BABAR* data taking.

deal of data, and PEP-II has worked on increasing the luminosity peak as well as the daily integrated luminosity delivered to *BABAR*.

One way to increase the luminosity is to raise the beam currents and throughout the 2001 run, the electron beam current was gradually raised up to 1005 mA, a new PEP-II record. In addition, the positron current was increased to 1750 mA, the highest positron beam current for PEP-II, while delivering luminosity to *BABAR*. PEP-II has stored as much as 2140 mA of positrons when there was no electron beam. Both of these numbers are high enough to give PEP-II the world record for the number of stored positrons. PEP-II has now delivered 70 fb^{-1} to the *BABAR* detector, the largest physics data sample at the Upsilon 4S.

We would like to congratulate and thank all of the people who have made these accomplishments possible. We especially thank the accelerator support staff and operations groups for promptly fixing problems as they came up and in keeping PEP-II up and running nearly continuously throughout the long 2001 run. Their hard work really paid off.

-Mike Sullivan
PEP-II Run Coordinator

LEAKY TENTS, COLD AIR, and a raging storm didn't stop the SLAC holiday party attendees from having a good time. The theme of the SLAC holiday party was "Home for the Holidays" which celebrated the diversity of the SLAC community. The rain poured down during the set-up but eased in time for participants to huddle in their coats and enjoy the holiday feast and entertainment program. Talented members of the SLAC community presented poetry, prose and song to entertain people dining in the large tent set up behind the cafeteria. Others opted to watch "The Grinch who Stole Christmas" in the warmer climate of the auditorium. This year's event included a large number of retirees, who took the opportunity to visit with their workmates still on the job. There were also caricaturists to delight people with their clever sketches. Thanks go to the many volunteers who helped; it indeed took a lot of willing hands to make the party a success. The Holiday Party Planning Committee included: Erin Smith (HR), Jim Allan (OHP), Carolyn Burton (ESD), Vickee Flynn (EFD), Gail Gudahl (PUR), G. Gene Holden (ESH), Billie Khan (TIS), Michael Mitchell (KLY), Ann Mueller (SSRL), Teri Peterson (BSD), Teresa Troxel (SSRL), and Barry Webb (HR). Special thanks goes to Wanda Elliott (EFD) for mailing out the invitations to the retirees.



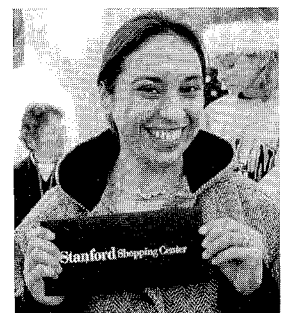
Emcee Mike Mitchell (center) introduced Santa Claus (Ralph Jacobs).



Food Drive

SECOND HARVEST THANKED US for SLAC's generosity in the 2001 food drive. We donated a total of 1076 pounds of food and \$20.00! It wouldn't have happened without the help of the SLAC community. Special thanks go to Stephanie Carlson (SSRL), Patricia Dungan (BSD), Daphne Mitchell (SSRL), Keith Reynolds (TD), Pauline Wethington (PAO), Glenna Stewart (AD), Arla LeCount (SCS), Erin Smith (HR), Teresa Troxel (SSRL), and Carlos Ruiz (Cafeteria) for their help on the committee and/or locating the food drive barrels.

-Neal Adams

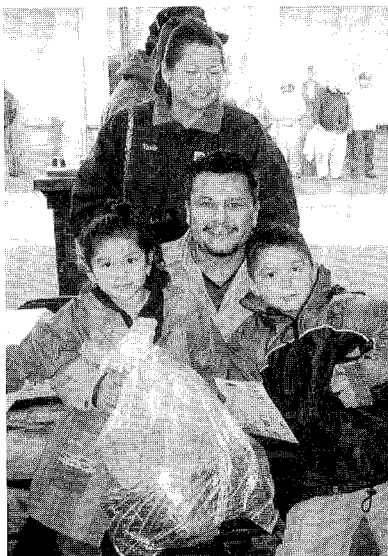


(Photos of Holiday Party: E. Smith & T. Peterson)

the Holidays



The entire SLAC community, including families and retirees, enjoyed the festivities.



Giving Tree Participation



(Photo: E. Smith)

THE 2001 GIVING TREE DRIVE was a success, with over 240 gifts donated by the SLAC community. This year, family giving tree cards were located in buildings throughout the SLAC site, rather than just at the cafeteria and firehouse. Thanks to everyone who donated gifts, and a big thanks to our "poster-hosts": Patricia Dungan (BSD), Ann Mueller (SSRL), Joan Valine (ARDA), Sharon Jensen (THP), Billie Khan (TIS), Crystal Tilghman (TIS), Ann Redfield (TIS), Daphne Mitchell (SSRL), Vernon Smith (ESD), Naomi Nagahashi (NLC) & Bennett Smith (MD). They helped make the cards available throughout SLAC.

-Erin Smith



Holiday Schedule, 2002

Presidents' Day	Monday	February 18, 2002
Memorial Day	Monday	May 27, 2002
July 4th	Thursday	July 4, 2002
Labor Day	Monday	September 2, 2002
Thanksgiving	Thursday, Friday	November 28, 29, 2002
Winter Holiday	Tuesday	December 24, 2002
Christmas Day	Wednesday	December 25, 2002
Birthday Holiday**		between January 2, 2002 and December 31, 2002

**Beginning in 2002, the Birthday Holiday will accrue on January 1 each year and an employee will have the remainder of the calendar year to take the day off that is mutually agreed upon by the supervisor and the employee.

HOW MANY NEW THINGS can you tackle in a year without losing track of your main goal? I'm not sure, but this year we in Tech Pubs are about to find out. The main goal of the Technical Publications department is to support SLAC authors in communicating scientific information. We design, publish, and distribute scientific paper, conference, report, and workshop information; design and create Scientific Arts media; and provide a Web presence that supports electronic publication and author collaboration via a virtual work space.

Another goal is to support the new Office for Communications (see article on page 1). With the arrival of Neil Calder from CERN in January 2002, we're looking forward to fresh ideas and new communication initiatives.

2002 Projects

2002 finds us with lots of projects on our wish list. Here's a summary, along with URLs for sample projects:

- Using new multi-media and animation technologies to produce paper and Web visualizations and three-dimensional displays:

BABAR: http://www-group.slac.stanford.edu/sciart/babar/Kiosk_v3Exp.htm

Two Beam Linear Collider: <http://www-group.slac.stanford.edu/sciart/Theory/TwoBeam/TwoBeam.html>

Klystron: http://www-group.slac.stanford.edu/sciart/KlystronArray/animation_build_05.html

Table Top X-Ray Source: http://www-group.slac.stanford.edu/sciart/Theory/TableTop/revision_3.html

- Converting the current Check-In to be fully Web-enabled, which will allow SLAC authors to obtain document numbers immediately via the Web
- Moving forward in adding conferences to eConf, which will make scientific information more universally available (www.slac.stanford.edu/econf)
- Establishing Web conference sites to display abstract and paper information, as we did with the 2001 ICALEPCS conference (www.slac.stanford.edu/econf/C011127/psnstatus.shtml) and developing

processes to make conference production more efficient

- Planning an on-line, key-word search with thumbnails, which will assist anyone looking for SLAC photos and graphical images
- Identifying opportunities for developing templates, which, for example, will assist us in more quickly formatting LaTeX documents and setting up conference and Web sites, and which will be of assistance to authors who use LaTeX
- Setting up more formal project plans for technical publication projects, to better serve our clients while assisting us in tracking and managing resources
- Decreasing printing costs by moving to DocuTech (XEROX electronic printing), when feasible
- Scanning and posting all SLAC documents to the Web so you can find all available SLAC pubs and reports using the FastFind page (www.slac.stanford.edu/pubs/fastfind.html)

In upcoming Tech Pubs Review columns, we'll highlight some of these projects.

Who's Who in Tech Pubs

Do you know the people in Tech Pubs? In addition to Billie Khan, the new Tech Pubs manager who arrived last September, Terry Anderson heads up Scientific Arts Media, Ruth McDunn is the SLAC Webmaster, and Sharon West heads up ePubs.

Anderson, along with team members Chip Dalby and Michael Hyde, designs and creates award-winning print and electronic visualizations that assist authors in conceptualizing and communicating scientific ideas.

McDunn has two roles. First, as Web Information Manager she is responsible for SLAC's top-level Web pages and sites, and for using NetGenesis to monitor and analyze Web server activity. Second, she works with authors to design and organize their site content, with a focus on providing a consistent look and feel across sites. McDunn also serves as Web Support Coordinator for groups without adequate staff. See <http://www.slac.stanford.edu/grp/techpubs/webdesign.html> for some examples.

West manages the newly formed ePubs team. She works with Roxanne Jones, Patricia Monohon, and Crystal Tilghman to plan, design, publish, and distribute large documents in print, Web, and CD media, while working to establish standards for collecting and archiving electronic and hardcopy versions. ePubs is responsible for conference Website planning, and for conference Website development and implementation (using templates and processes

(Continued on Page 9, bottom)

Young Particle Physicists at SLAC

(Photo: T. Peterson)



(l-r) Abi Soffer, Chris Potter, Amanda Weinstein, Wolfgang Walkowiak, and Ben Brau, core team of SLAC's YPP.

THERE IS NOW AN exciting opportunity for young particle physicists to actively participate in the present and the future of high energy physics. A "young physicist" as defined by the Young Particle Physicists (YPP) organization is: *a person who is not tenured and not a permanent staff member*. The YPP at SLAC is part of a global organization that originated as the Young Physicists Panel at Fermilab in May of 2000. The Young Physicists Panel evolved into a new, expanded group called Young Particle Physicists after Snowmass, and several local chapters have been created at laboratories and universities since then.

SLAC's YPP group has a core team of five young physicists: Ben Brau, Chris Potter, Abi Soffer, Wolfgang Walkowiak, and Amanda Weinstein. Walkowiak is the interim representative for SLAC to the global YPP. Members are being actively sought, in an effort to serve young physicists in the SLAC community.

The general mission of YPP is to provide young particle physicists with a forum in which to discuss the future of their field. This is especially important since decisions made today in the field of physics will impact physicists 10, 20, and even 30 years down the line.

Issues that will be addressed through the YPP include outreach programs, the evolving globalization of physics, and young physicists issues. For instance, global cooperation allows for coordination across country boundaries, an important factor when new machines now being considered for future physics experiments tend to have long lead times, and their cost is shared by a group of nations. This also means that the collaborations running experimental programs are increasing in size and can number over 1,000 physicists. By getting in early on the planning stages, the YPPs of today will have a handle on the projects that will be viable in their career life as a physicist. Young physicists issues includes physics and career-oriented issues, as well as personal and quality of life issues.

At the Snowmass meeting held in July 2001, there were three events dedicated to young physicists issues at Snowmass (under the name Young Physicists Forum): an informational meeting for young physicists in the first week; a young physicists town meeting held during the second week, in which a wide set of issues pertaining to young people in the physics field were discussed; and a general meeting during the third week, at which the results of the town meeting and preliminary results from the survey were presented to all Snowmass attendees. The web-based survey of physicists regarding their opinions on the future direction of high energy physics was conducted by the Young Physicists Panel during the first two weeks of July 2001. (For the results see: http://ypp.hep.net/ypp_survey.html.)

The SLAC chapter of the YPP will have an informational luncheon meeting on February 19 with the Lab Director, entitled "HEP Funding 101". Find out about this and more information on the SLAC YPP chapter at <http://www-project.slac.stanford.edu/ypp/>.

—Vickey Flynn

Tech Pubs in 2002

(Continued from Page 8)

first developed by McDunn). Tilghman also coordinates printing and photography services, maintains SLAC photos, and manages the SLAC document numbering process.

Walter Kaye provides programming and MAC technical support for the Technical Publications department. He is currently at work on the Web-enabled Check-In system.

Your Goals are Our Goals

We are a service organization and, as such, we would like to hear your ideas. Please call or email any of us with thoughts, questions, or comments that will help us know about how we can serve you better.

—Billie Khan,
Technical Publications Manager

Collet on Track for Championships



(Photo: T. Peterson)

JERRY COLLET LOOKED OUT from the grandstand, watching his budding track star daughter, Lisa. The long weekends of track meets loomed ahead of him. He was restless and bored. Lisa started running in Kindergarten, and by second grade, wanted to join a private track and

field club. What was a dad to do? Wanting to be part of the action, Collet stepped out of the grandstand to help out with the officiating and—fast forward some twenty years later—has now been selected as one of the starters for the USA Senior/Junior Outdoor Track and Field Championships to be held at Stanford in June. This meet attracts the finest and fastest track and field athletes in the country.

“You have to apply for the position, and you have to be invited to apply,” Collet said. “Very few are selected. I got the letter, and that (the acceptance) was all I needed to see.” He smiles and pulls an ordinary looking typed letter out of a tidy file folder, then just as quickly tucks it away, like an unredeemed Super Lotto ticket.

Money, however, has nothing to do with his passion. Collet is a Master Official, the top ranking for USATF officials, but he is not handsomely rewarded. In fact, he is not paid at all. The position is entirely volunteer.

Though it is truly an honor to be selected to work this elite event, Collet and the 87 other officials working together are not destined for stardom. And that, he said, is for the best. “It’s not for the glory, but for the athletes and spectators. The spectators don’t want to see the officials; they pay their money to see the athletes.”

Collet achieved a lifetime goal in 1996 when he was a track and field official for the Paralympic games in Atlanta. (See July, 1996, issue of *The Interaction Point*). As for his daughter Lisa, who “dragged” him into track and field? She was recently named head track coach of the University of Utah (Utes) in Salt Lake City.

—Lesley Wolf

**SLAC EMERGENCY HOTLINE:
1-877-447-7522**

Milestones

AWARDS

Drell, Sidney, DO, Doctor of Philosophy Honoris Causa from the Weizmann Institute in Israel, mid-November, 2001

Price, Vern (retired from PCD in 1990), the 2001 recipient of the Richard Shea Award granted by the IEEE Nuclear and Plasma Sciences Society, presented in San Diego on 11/10/01

5, 15, 25, & 35 YEAR SERVICE AWARDS

Ventura-Ramelb, Vilma, ACC, 5 years, 2/18/02

Brochon, Christine, SCS, 5 years, 2/1/02

McPhillips, Timothy, SG, 5 years, 1/6/02

Twisselman, Norma, MFD, 15 years, 2/16/02

Horton, Michael, ESRD, 15 years, 2/1/02

Knight, Thomas, ARDA, 25 years, 2/1/02

Hennes, Joan, ACC, 25 years, 2/7/02

Howell, Gary, EFD, 25 years, 1/3/02

Asher, Kathy, TD, 35 years, 2/27/02

BIRTHS

Jenkins, Diane, MFD, gave birth to a baby girl, Kimberly Jean, on 8/15/01

Smith, Tonee and **Anderson**, Scott both of NLC, had a baby girl, Oriana June Smith Anderson, on 12/1/01

DECEASED

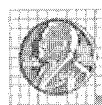
Ewing, Pat (retired from BSD), 12/17/01*

Gaxiola, Ralph, PAO (formerly of KLY and MFD), 12/4/01

Shapiro, Gil, Group A user (from LBL), 12/5/01

Email milestones to tip@slac.stanford.edu.

*See expanded milestones at <http://www.slac.stanford.edu/pubs/tip/milestoneform.html>.



Centennial of Nobel Prize

NOBEL PRIZE
CENTENNIAL
1901-2001

HOOVER INSTITUTION AT STANFORD is hosting an exhibit on the Centennial of the Nobel Prize.

The exhibit opened January 25 and will run through July 28, 2002. It is located in the Exhibit Pavilion next to the Hoover Tower. Exhibit hours are Tuesday-Saturday from 11am to 4pm, and admission is free.

The prizes of SLAC's three Nobelists, Dick Taylor, Burt Richter, and Martin Perl are featured in the exhibit, as well as letters and other memorabilia from their Nobel experience.

Rene Donaldson Retires

(Photo courtesy of R. Donaldson)



WHEN RENE DONALDSON RETIRED in December as editor of the SLAC *Beam Line*, she ended a professional career devoted to one of the hardest jobs in particle physics: communicating what it is, how it works and why it matters.

Over the course of 34 years, first at Fermilab, then at the Central Design Group for the Superconducting Super Collider, and most recently at the SLAC *Beam Line*, Donaldson combined words and images to bring the esoteric realm of particle physics to life not only for the science community but for readers who might never set foot inside an accelerator laboratory and didn't know a quark from a lepton.

Hers was not a calling for the faint of heart. In recent remarks before a meeting of the American Astronomical Society, Jack Marburger, physicist and Director of the Office of Science and Technology Policy, described the challenges confronting the would-be communicator of particle physics. "From time to time the discoveries of new particles and new symmetries in nature have made headlines," Marburger told the astronomers, "but they never fascinated the public the way supernovas, black holes, and pulsars did. The

theoretical basis of particle physics is less visualizable than the astronomical action of gravity, even when gravity is dressed in its sophisticated garb of general relativity. And the flower-like bursts of tracks in particle detectors are more abstract and less emotionally compelling than the breathtaking photographs of, dust-clouds, say, illuminated by a nearby supernova."

On this unpromising material Donaldson brought her editorial skills to bear. In publications from *FermiNews* to *Beam Line*, she collaborated with scientists throughout the physics community to elicit from them the stories that stirred their passions—and then blue-penciled them into communicating their passions to others. Her patience with physicist-authors and her care in editing their work were extraordinary.

"Rene and I worked for months on a *Beam Line* article about charm physics," said Fermilab physicist Jeffrey Appel, author of a 1998 *Beam Line* contribution. "Sometimes I thought that story would never see the light of day, but she didn't give up. She'd send back yet another draft, and we'd go at it again. Eventually, when we converged, it was worth the effort."

Donaldson recognized the particular interaction between science and technology that characterizes high-energy physics, as well as the equally significant and ever-shifting balance between theory and experiment. She saw, and helped readers appreciate, the intimate connection between advances in astrophysics and cosmology and discoveries in particle physics through *Beam Line's* increasingly cosmological bent. Reflective and analytical pieces addressed science policy and philosophy, as well as the history of particle physics. Articles from scientists at laboratories and universities around the world underlined the international character of particle physics as a science without borders.

Physicist Michael Riordan collaborated closely with Donaldson throughout her tenure at *Beam Line*. "Working with Rene has been one of the greatest pleasures of working at SLAC," Riordan said recently.

—Judy Jackson
Director of Public Affairs, Fermilab

2002 Employee Recognition Award Nominations

NOMINATION FORMS WILL SOON be available for the 2002 Employee Recognition Awards (see the Jan-Feb 2001 issue of *TIP* for details on this annual event). This program was kicked off last year and had 32 recipients (see <http://www.slac.stanford.edu/grp/>

[do/initiatives/2001EAP.html](http://www.slac.stanford.edu/grp/do/initiatives/2001EAP.html)). It is for employees who have consistently demonstrated their good citizenship and who have made SLAC a better place to work. Watch for the announcements coming soon.

—Carmella Huser

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Sensitive Information on Our Website

OUR COMPUTING ENVIRONMENT AT SLAC has traditionally been very open. It is SLAC policy to restrict access to certain information. For example, payroll, personnel information, home telephone numbers, vacation schedules, and pre-print papers that have not been approved for release by Technology Transfer do not belong in the public areas of the SLAC web. The events of September 11, 2001 have caused many to rethink, in part, our open tradition—could some of our open information potentially make us vulnerable to terrorist acts?

All DOE labs were asked to review their public web spaces for sensitive material; that is, information that could be used by terrorists. Based on that review, the Directorate has approved the Web Coordinating Committee's recommendations that specific information and forms needed to gain access to our physical site, detailed photos with overlays of the tunnel system, operations schedules, and locations of radiological materials be moved to SLAC-only web access.

Prudent public access is a challenge for SLAC web authors. We do not have the typical web configuration of intranet and extranet. In fact, our web is open to the public unless the web author takes specific actions to restrict access. And, since we were first on the web in the US and our site is so large, we are frequently indexed by almost every search engine robot in cyberspace. If you put web pages in unrestricted space on the SLAC production servers, chances are they will show up shortly in just about any external search tool you try to use (such as AltaVista, Google, Lycos, Northern Light).

It is a sign of the times that we need to give some thought to what information we are making available to the world at large. As you create and publish information to the web, you should consider if the material provides any value to the public before publishing it to our public web servers. To help with this process, a new SLAC-only NT web server has been set up, which will be used for all future implementations of *slaonly* and *grouponly* web space. See "Restricting Access to SLAC Web Pages/Sites (at <http://www.slac.stanford.edu/slac/slaonly/restrictingaccess.html>) for more information.

A Year of Care



MANY OF THE 2001 year-end retrospectives reflected on the observation that, since September 11, people are more aware of what really matters: family, health, the appreciation of small joys. And so the primary ES&H topic that comes to mind at the start of our new

business year at SLAC is one of care.

A card from a friend who used to work at SLAC told me of her surgery and chemotherapy for cancer since our last contact. Health influences all of the other aspects of our existence, and our Medical Department recognizes this by providing such programs as smoking cessation, weight reduction, physical exams, and counseling (<http://www.slac.stanford.edu/esh/medical/services.html>). Do yourself a favor in this year and sign them on as a partner in your self-care program.

Similarly, the ES&H Division and Operating Safety Committee are two more tools available to you to sharpen your safety awareness and express your concerns over observed hazards. Just as health can change in a moment, a routine action you've performed dozens of times can suddenly go awry. Focused attention is an essential element of self-care.

The "E" in ES&H is sometimes hard to relate to

unless you're directly involved in that specialty at SLAC. But care for the environment needn't be abstract—are you maintaining your automobile so rain doesn't wash dripped oil into the storm drain? Recycling those old reports or daily junk mail? Walking to meetings instead of driving?

A final note: the Director has oftentimes referred to the "SLAC family" and continues to implement the Respectful SLAC Workplace policy (<http://www.slac.stanford.edu/welcome/slaonly/workplace.html>). Care for yourself this year by encouraging others to thrive—guaranteed to give you a healthy return on your investment!

—Janice Dabney, Chair
Operating Safety Committee

Work Safe, Work Smart

The last injury involving days away from work occurred on 10/29/01 according to Gloria Labrador, R.N., SLAC Medical. The number of calendar days between then and the last injury of 10/4/01 was 25 days. SLAC's record number of days between claims involving days away from work remains at 184 days.