Twenty and Thirty Year Awards

The annual 20-30 year gala awards banquet was held at the Stanford Faculty Club on April 15. There were eighteen 30-year recipients and 40 20-year recipients receiving recognition for their years of service to SLAC. More photos from the ceremony can be found on pages 4-5. Congratulations to all the awardees!

Seated: (l-r) George Crane, Joel Fitch, Cindy Imelli, Fred Hooker, Al Ashley. Standing: (l-r) Gordon Bowden, Stan Bilitzer-Jenkins, Thomas Porter, Earl Hamner, Herbert McIntye, David Hamilton.

Y2K and Your Paycheck

REST ASSURED THAT YOU will be paid when year 2000 rolls around, thanks to the tests being conducted by Carol Tam of Business Services, Clarice Rinard in SCS, and others. As part of SLAC’s Y2K Preparedness and to assure that SLAC’s critical business requirements are met as the new millennium arrives, the Business Services Division (BSD) and Human Resources Department (HR) conducted a test of SLAC’s Business Information System (BIS). This is the PeopleSoft system used to process Payroll, Personnel, Purchasing, and Financial transactions.

On a dedicated stand-alone system, Ernie Denys set the system dates to the year 2000 and as far as the computers knew, the year was actually 2000. The system, set up by Ian MacGregor, consisted of a Sun Solaris Oracle Database Server, a Windows NT PeopleSoft Server, and two Windows NT Client computers: one for Financials and one for Human Resources. The tests were conducted in January using these specific dates:

- September 9, 1999 (9999)
- March 1, 2000
- December 31, 1999
- April 30, 2000
- January 1, 2000
- December 31, 2000
- February 29, 2000
- January 1, 2001

To show that the hardware performed correctly, the system clocks were allowed to automatically roll over from December 31, 1999 to January 1, 2000; from February 28, 2000 to February 29, 2000; and from December 31, 2000 to January 1, 2001.

The test plan, established jointly by representatives of BSD, Personnel, and SCS under the guidance of Bill Johnson, called for thorough and complete testing of Payroll, and the testing of basic functionality of Human Resources and Financial applications.

Carol Tam and Marty Sorensen ran eight payrolls, beginning December 1999, continuing throughout 2000 on strategic dates, and in January 2001. To show that SLAC could report tax information accurately, the tests included Year-end and W2 processing. A sampling of normal Personnel actions were conducted by Claudia Ransom and Karen Lawrence on each of the test dates.

No problems were encountered with PeopleSoft. The Payroll application performed correctly and all paycheck amounts were correct and reflected the proper dates. The hardware and all BIS applications performed as they do currently in production, and year 2000 presented no new challenges. Special thanks to the efforts of Vilma Ramelb of Accounts Payable; Jerry Belk, Lillie Keefer and Chuck Taniguchi of Stores; Carol Tam and Karen Kalinski of Payroll; Leslie Normandin of Property Control; Willy Campo, Cindy Imelli, Marty Sorensen, and Skip Ethier of Accounting; Wendy Fraser of Purchasing; and Karen Lawrence and Claudia Ransom of Personnel.

Additional testing will be conducted on these applications as the PeopleSoft/BIS software is updated, and as the new BSD firewall is put into place. As a supplement to testing, BSD is drafting a contingency plan to protect SLAC against the worse case scenarios and assure that SLAC paychecks are produced on schedule.

–Doug Kreitz

Short-Term Housing Still Needed

IF YOU HAVE A ROOM you would like to rent, check out the information at http://www.slac.stanford.edu/grp/per/housing/housing.html. The need for housing is ongoing for physicists, engineers, and technicians visiting SLAC, especially over the summer months. Contact Ute Hayes in the SLAC Housing Office at (650) 926-4132, or email at ute@slac.stanford.edu.

Work Safe, Work Smart

Since the last update, two injuries involving days away from work have been reported. One incident occurred on 3/16/99 and the other on 3/17/99. There were 34 and 35 calendar days, since the previous date of injury on 2/10/99. SLAC’s record number of days between claims involving days away from work remains at 150 days.
Drain Repair Will Cause Road Closures

LOOK FOR SOME TEMPORARY traffic delays near Sector 30 for the next couple of months. SLAC is working to fix some storm drainage problems along the South Klystron Gallery Road, in front of the Master Substation. The remediation extends from the intersection of the South Klystron Gallery Road and the road past Sector 30 gate to approximately the entrance road at the Building 15 (Power Conversion) parking area.

The construction, which started at the end of April, includes trenching and installing new storm drainpipes. Major work will continue for approximately two months.

The excavation will cause periodic closing of the south road at Sector 30 (and possibly Sector 29 later in the project). The South Klystron Gallery Road will be closed for an eight-hour shift for one or two days while the main manhole and catch basin are set in the swale at Sector 30. Daytime traffic will be reduced to one lane for the duration of the project. Minor delays are likely during truck loading and positioning during day shift only.

Facilities will post notices the day before road closures take place.

Pardon Our Dust

MAYBE YOU HAVE SEEN, or more likely heard, the construction in the Central Lab. There are some major moves taking place over the summer. The first move has already happened. A number of people who were on the second floor of the Central Lab were relocated to other offices to clear a new area for Technical Publications. By the time you read this newsletter, Tech Pubs should be moved into their new space.

If you have requests for work to be done by Tech Pubs staff, keep these office changes in mind. They will need some time to move and get settled into their new space. If you can reschedule any projects, or delay them a bit, it would be appreciated.

The next phase, happening now and continuing through July, is to clear the first floor area that used to be Tech Pubs and create a suite of offices for our incoming director, Jonathan Dorfan. The construction schedule calls for the new set of offices to be ready by early August. Those who will occupy these new offices are the Director and his administrators, the yet-to-be named Deputy Director, and others. There are also plans for a small conference room in the area of the Director’s Office.

SLAC Deputy Search

JONATHAN DORFAN, SLAC’s DIRECTOR designate, has appointed a search committee to consider candidates for the position of deputy director. Sidney Drell was SLAC’s deputy until his retirement last summer and the position has been vacant since then.

“I hope to have a fully engaged deputy director on board in the fall,” said Dorfan. Members of the search committee are Marty Breidenbach from SLD; Patricia Burchat from the Stanford Physics Department; Piero Pianetta from the Synchrotron Division; and Ron Ruth from Accelerator Research. A non-Stanford member will also be appointed to the search committee but, as of press time, that person was not identified. Dorfan will chair the committee and says that they will be considering candidates from both inside and outside the University.

“I’m hopeful that staff and users will take the opportunity to speak to the people on the search committee and offer useful input regarding the skills and experience they would like to see in a deputy,” said Dorfan.
20 and Thirty

MarNell and Wes Muffett

30-year recipient Al Ashley is flanked by Nobel Prize Laureates (l) Dick Taylor, and (r) Burton Richter and Martin Perl.

Stan and Phyllis Billitzer-Jenkins

On hand to celebrate with the honored guests are (l-r) director designate Jonathan Dorfan, Director Burt Richter, and Director Emeritus Pief Panofsky.

Hector and Margie Bangali

(W. Stolar)

Charlie Young and Virginia Sun

(W. Stolar)

Photos Courtesy of J. Ashton, except where noted.

(l-r) Hope Johnson, Gene Holden

Vales and Vern Coughran

(l-r) Albe and Ray Larsen, Ev and Marilyn McKeen
Year Awards Dinner

Al Ashley
Gordon Bowden
George Crane
Joel Fitch
Dave Hamilton
Earl Hamner
Fred Hooker
Cindy Imelli
Herb McIntyre
Tom Porter
Ed Wilson
Bob Noriega
Felix Vargas

(30 Year Portrait photos courtesy of John LeSchote, SU Visual Arts Dept.)

Emlyn Hughes Wins the Feynman Teaching Award at Caltech

EVERY NOW AND THEN, when SLAC sends out one of its own into the cold and dark world, a surprise comes back. The 1999 Richard P. Feynman Prize for excellence in teaching was awarded to Emlyn Hughes by the California Institute of Technology.

Emlyn joined Group A at SLAC as a Research Associate in 1989 working on the drift chamber for SLD and soon afterwards took a leading role on commissioning the SLD Compton polarimeter in collaboration with the Steiner/Chamberlain group at LBL. At the same time, he developed a proposal to reopen the End Station A program using high energy polarized electrons scattering off a polarized helium-3 target (SLAC Experiment E142). Piggy-backing off the major polarized electron source developments for SLD (directed by Charlie Prescott), Experiment E142 collected data with the new source in the autumn of 1992. The experiment pioneered the present-day fixed target program and produced the first publication of the neutron spin structure function, a quantity that gives information on what fraction of the neutron spin is carried by the quarks.

In 1992, Emlyn received the Panofsky Fellowship. After E142, Emlyn and his collaborators focused on a proposal to rerun the experiment with a higher energy (50 GeV) beam. This effort along with developments in polarized proton and deuteron targets in SLAC Experiment E143 (Spokespeople: Jim McCarthy of Virginia and Ray Arnold of American University) led to what is today the End Station A 50 GeV program. Experiments E154 with the SLAC polarized helium-3 target (Hughes spokesperson) and E155 with the SLAC polarized proton and deuteron targets (Arnold and McCarthy spokespeople) today provide arguably (with CERN, of course!) the most precise measurements of the proton and neutron spin structure functions in the world. The last run (Experiment E155x) of this decade-long effort is finishing up this May.

The Feynman award is given annually at Caltech to “a professor who demonstrates in the broadest sense unusual ability, creativity, and innovation in undergraduate or graduate classroom and laboratory teaching.” Emlyn is the second physics professor at Caltech to receive the award. The Committee’s citation on Emlyn’s teaching for this year’s award reads:

“For his outstanding ability to teach the mysterious nature of quantum mechanics to a broad audience as evidenced by the overwhelmingly positive student feedback from Physics 2, a core course in sophomore Physics. By combining a clear pedagogic style with an entertaining delivery, complete with frequent anecdotes on physics and life, Hughes brings a Feynman-like quality to the teaching of this difficult subject.”

Emlyn is presently one of the spokespeople, along with Krishna Kumar of Princeton and Paul Souder of Syracuse, of the next End Station A experiment, SLAC Experiment E158. This experiment, like SLD, will be searching for new physics beyond the Standard Model by performing a precision measurement of what is called the ‘electroweak mixing angle.’ Emlyn’s plans are to spend the 1999-2000 academic year at SLAC to manage the construction of the project in End Station A...and take a sabbatical year off from teaching!

Seeing the Forest AND the Trees

SOMETIMES YOU GET SO used to a situation, you don’t recognize its benefits or the fact that it presents a unique opportunity. In the case of the Operating Safety Committee, few people may realize that our membership consists of some major players in the safety arena at SLAC: two department heads, three division safety officers, the SLAC medical doctor, the SLAC lab protection officer, and the full membership of SEDAC. And this is just a sampling - many other members fill jobs in which safety management is their primary function. We represent all divisions of SLAC, including the Director’s Office and the SLAC User’s Organization (SLUO). So what better way to be heard if you have a safety concern? You only have to make one phone call or send one e-mail to a division representative, and you have the ears of the experts! Next time you’re feeling like Rodney Dangerfield, just remember that OSC does respect you and is waiting to receive your call.

-Janice Dabney
Foothill Visits Flatlands of SLAC

MORE THAN EVER, IN today’s fast pace of technology development, math and science college instructors need to stay in touch with cutting edge research to provide first-rate education for students. That’s why 20 members of the physical sciences faculty from Foothill College will visit SLAC in early May. As part of an annual professional development event, the Foothill College faculty spend a full day talking with researchers and touring facilities at institutions doing research in all fields of science.

This year, SLAC scientists will provide lectures and tours for Foothill’s finest. To show that particle physicists know how to have fun, SLAC’s own physicist Ralph Nelson will lead his bluegrass band, Wild Oats’n Honey, at an informal noon gathering for faculty, staff and graduate students to meet our Foothill guests. Please follow the music, bring your lunch, and come join us at the SLAC Cafeteria Picnic Area on May 7th!

—June Sison

Greven and Silverstein Win Sloan Fellowships

TWO SLAC FACULTY HAVE been named Sloan Fellows for 1999. They are theorist Eva Silverstein, for her work in string theory, and applied physicist Martin Greven, for his work in exotic crystals. The two are among six Stanford faculty singled out for research fellowships, awarded to scholars early in their careers because of their “exceptional promise to contribute to the advancement of knowledge.”

—June Sison

Factinos

Bike Lanes for Bikes
When you come in the Sand Hill Gate from HWY 280, be sure to watch for bicyclists when you turn into SLAC. With traffic increasing on Sand Hill Road due to construction and congestion, there is a great temptation to pull over into the bike lane earlier than the broken lines indicate.

Use Alpine Gate
One option for beating the traffic on Sand Hill Road is to use the Alpine Gate. This gate is open from 6:00 AM to 7:00 AM and 3:00 PM to 6:00 PM. Don’t forget your picture badge, since entry is controlled at this gate.

Oh, My Aching Shoulders!
Turn TGIF into a real bonanza after a week of hard work. Call Lorinda Outlaw, Certified Massage Therapist, at 510-780-1458 to schedule your 15 minute session for $15. Lorinda comes to the SLAC Medical Department in A&E on Fridays from 12:00 to 2:00 pm.

Juneteenth to Honor Al Ashley
This year’s Juneteenth Celebration on June 16th will honor retiring Al Ashley for his continuing efforts to support employee relations at the Lab. Contact Glenda Stewart, x2838 for information on this event.

Melissa Beat By Teresa
Due to quick action by SLAC’s e-mail software vendor and postmistress Teresa Downey, the Melissa virus and her variants were prevented from making it into SLAC. Two copies of Melissa were intercepted and removed from e-mail before they could cause problems. We are still removing attachments on e-mail coming into SLAC which have Visual Basic code included. If you get a message with an attachment removed, ask your correspondent to send the document without any Visual Basic macros, if possible.

Do You Subscribe to Quick News?
For the latest SLAC news, Quick News, is a weekly electronic newsletter to which you can subscribe (send email to majordomo@slac.stanford.edu with the message in the body subscribe quicknews-l) or bookmark at http://www.slac.stanford.edu/grp/do/quicknews/current.html.
**Spring Concert**

What better way to relax during lunch than by hearing good music? Jamie Davis and Friends entertained the lunch crowd on April 1 with a jazz concert outside the SLAC breezeway. The weather cooperated by keeping La Nina at bay; maybe the good music calmed that unpredictable jet stream!

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**SLAC Milestones**

**RETIRED**
Bell, Bob, BaBar, 4/30/99  
Byers, Bobbie, BaBar, 4/30/99  
Keicher, Albert, RD, 4/15/99

**STEPPING DOWN**
Leith, David, as Research Director, Date TBA

**AWARDS**
Farvid, Ali, DOE Pollution Prevention Award, 4/22/99  
Greven, Martin, Sloan Fellowship, 1999  
Pierson, Sandy, DOE Pollution Prevention Award, 4/22/99  
Silverstein, Eva, Sloan Fellowship, 1999

Do you have a milestone you would like published in TIP? Email tip@slac.stanford.edu to have it included.