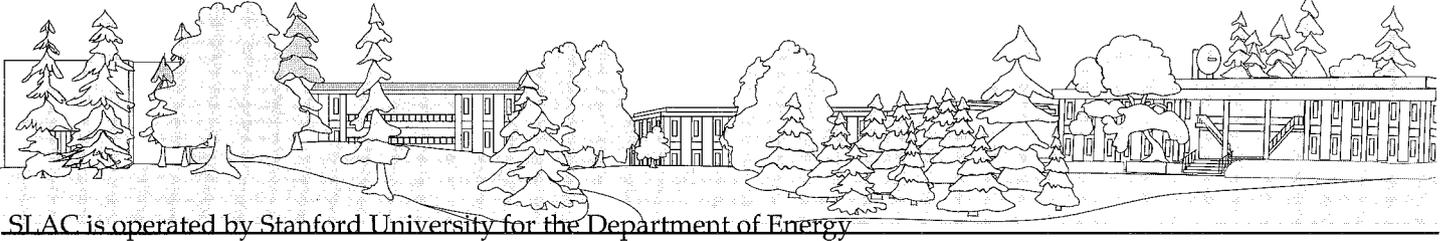


The Interaction Point

Special Edition

Events and Happenings
in the SLAC Community

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Jonathan Dorfan Becomes Lab Director



(Photo: H. Lynch)

Exerpts from the Inaugural Speech by Director Jonathan, September 1, 1999:

"In December 1969, my wife Renee and I were married in our hometown of Cape Town, South Africa and we journeyed to the United States where I began as a freshman graduate student at the University of California Irvine. Our first summer in the US was spent at Stanford - living in the highrise of Escondido village. I worked as a summer student at SLAC in Hab Brechna's group in the Research Division. If my memory serves me correctly, I did thermal calculations on cooling for superconducting magnets.

And thus began my long association with this wonderful institution, SLAC. Within the space of about 8 years I had worked in four different Research Division groups. Starting in 1994, the PEP-II project gave me an opportunity to work closely with every one of the SLAC Divisions. My participation in BaBar brought me into close contact with a large fraction of the SLAC HEP user community.

During these years, I worked on a series of wonderfully exciting experiments and projects, and I was privileged to work with many of the enormously talented and dedicated members of the SLAC staff. With the support of SLAC Directors Pief Panofsky and Burton Richter, I was able to pursue my scientific dreams. It's now time to set aside my personal ambitions, and give back to this Laboratory and its scientific community that same unselfish support from which I benefited so greatly. I take on the task as Director with enormous enthusiasm and much excitement. While fully cognizant and deeply respectful of the attendant responsibility, I am thrilled and challenged by the breadth of the scientific opportunity that is now before us. I am hopeful that having run the full SLAC gamut from summer hire, to user, and then to staff member, I am well prepared to take on my new position."

(Photo: H. Lynch)

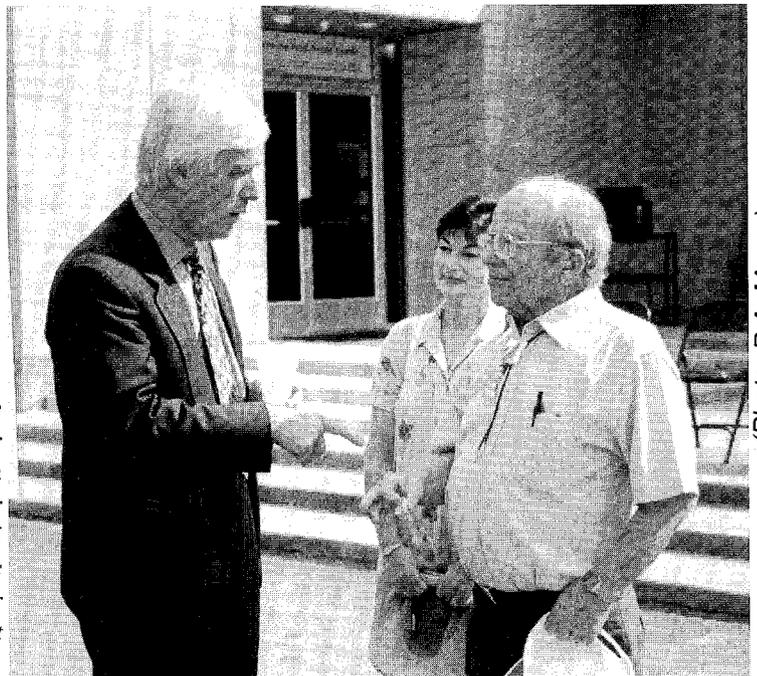


As SLAC Director, Burton Richter had worn out his old briefcase after 15 years of travel back and forth to Washington, DC. Here Jonathan Dorfan presents Richter with a new one in the hope that it will now contain physics data instead of policy papers.

“Today marks the end of 15 years of exceptional stewardship. Burton Richter has guided the SLAC ship through extremely challenging waters in a masterful way. During his term we have experienced two major redirections which have preserved our precarious scientific evolution; namely the establishment of the world’s first linear collider and the birth of the asymmetric B Factory. The scientific and technical benefits which Burt alone foresaw in the joining of SLAC and SSRL, we now take for granted. The user community that numbered under 1000 at the beginning of his tenure, is now close to 3000. Such is Burt’s legacy; and we thereby inherit a vibrant laboratory, one with an exciting scientific future. So Burt, on behalf of the Laboratory and its user community, I extend our heartfelt appreciation to you for 15 years of outstanding leadership.”

“SLAC is more than just a research laboratory. It’s an academic institution immersed on one of the finest research universities in the world. I place enormous value on this university/laboratory synergy and on the tradition of scientific and technical leadership. I will strive to make these attributes the centerpiece of my stewardship.”

Stanford University President Gerhard Casper talks with Jonathan Dorfan’s wife, Renee, and Director Emeritus Pief Panofsky before the ceremony. In Casper’s remarks, he stated that the SLAC Director is a Dean of the university, and one of the 15 members of the University Cabinet that grapples with the major issues facing the institution. Casper said he looks forward to welcoming Dorfan to that group.



(Photo: P.A. Moore)

"The outlook for our science future at SLAC is bright. The B Factory is off to a terrific start. Both the machine and the detector are working well and we can anticipate physics results by next summer...The world HEP community needs a TeV electron positron collider, a next generation linear collider, as a necessary compliment to the Large Hadron Collider at CERN...SLAC is, and will continue to be, a leader in developing such a machine....

The disciplines of particle physics and astrophysics increasingly confront an overlapping physics agenda. At SLAC, we have joined this non-accelerator based adventure by our participation in the GLAST experiment, a gamma ray telescope, that will fly on a NASA sponsored satellite. GLAST represents an important milestone in interagency collaboration; major contributions will come from NASA, DOE and possibly NSF...

The polarized 50 GeV electron beam at SLAC is a unique research tool. The last in the line of scheduled experiments, E158, will take data in 2001. The Lab will invite another round of proposals in the near future...The experimental program is augmented by a diverse and talented theory group. Advanced accelerator R&D is flourishing at SLAC...

Our light source program is doing very well...The demand for beamtime at SPEAR continues to grow, even as we add more beamlines; the SSRL user community is now 1600 strong....SSRL enjoys the reputation as possibly the highest efficiency light source in the world. With joint funding from the NIH and DOE, SPEAR is receiving a \$53M upgrade, which will make its scientific capabilities comparable with the most modern light sources in the world and provide another ten years of productive science.

The next phase of our light source program, the linear coherent light source (LCLS), is in the final stages of preconstruction R&D. The conceptual design, a multi-lab and university collaboration with SLAC as the lead laboratory, is underway and construction could begin as early as 2002. This facility will use the last third of the linac to inject a 15 GeV electron beam into an 100m undulator. Time sliced, coherent X rays of immense brightness will be produced at wavelengths in the 1-10 angstrom range. This facility will open up new scientific vistas and promises to revolutionize light source physics in the same way as the original synchrotron light source did. SPEAR3 and LCLS are exciting, but challenging, projects. To ensure success, we are drawing from the best talent in the laboratory to staff these projects."



(Photo: H. Lynch)

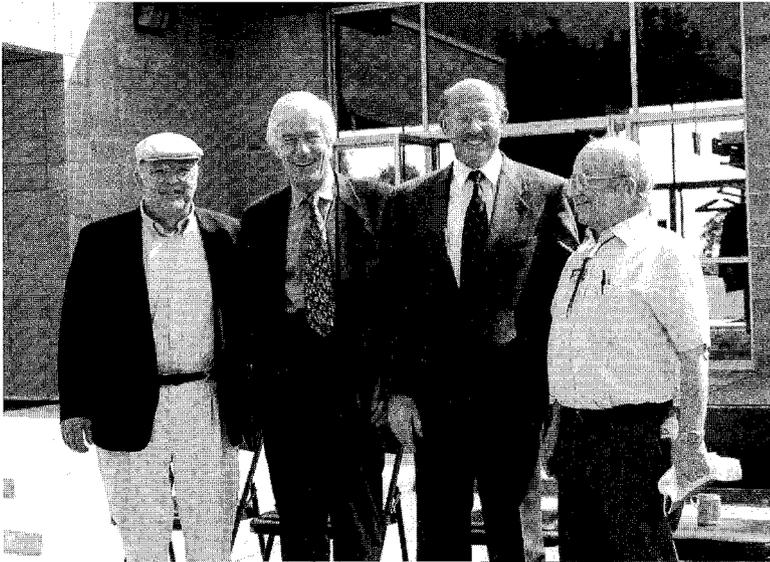
Burton Richter holds aloft the battered tin cup that he used to get funding in Washington. To make sure that Dorfan's cup had seed money, Richter dropped in the first quarter. By the end of the ceremony, the total was \$1.01. When asked how he felt on his first day OFF the job, Richter responded using the famous phrase from Martin Luther King, I'm free at last!



(Photo: P.A. Moore)

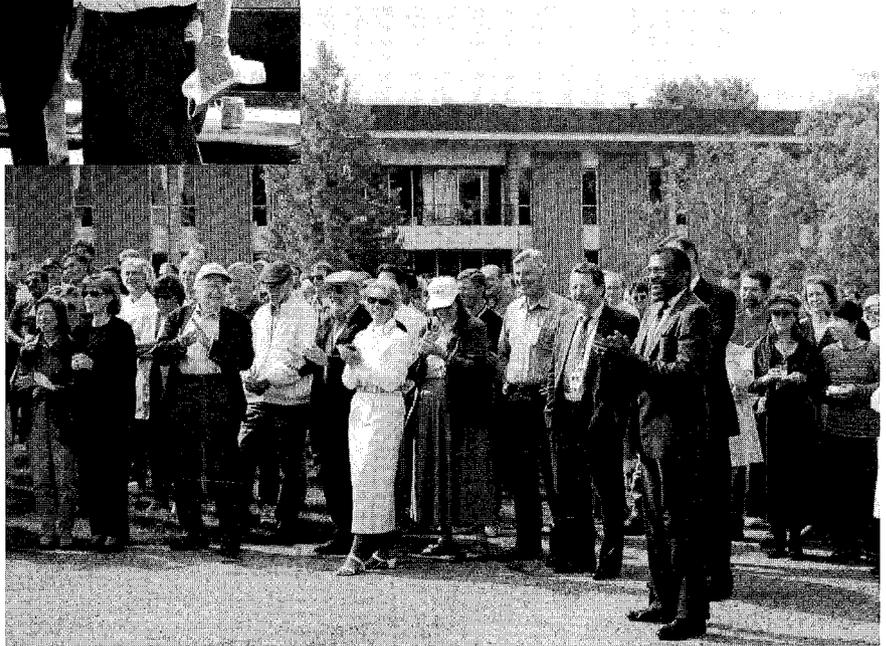
While DOE staff members were not an official part of this particular ceremony, members of the Site Office and the Field Office attended the event to welcome Dorfan in his new role. Dorfan is pictured here with DOE Oakland Field Office Deputy Manager Marty Domagala (left) and Manager Jim Turner (center).

(Photos: P.A. Moore)



(l to r) Burton Richter, Gerhard Casper, Jonathan Dorfan, and Pief Panofsky.

Jonathan Dorfan's remarks were greeted with delight and sustained applause. Some folks in the front row include (l to r) Carol Tam, Nadine Wright, Greg Loew, Marty Molloy, Herman Winick, Rachel Claus, Cherrill Spencer, Jerry Jobe, John Muhlestein, and Jim Turner.



"SLAC's outlook is bright, but we didn't come to this point by resting on our laurels or our past successes. I am very open to expanding our scientific horizons; to going beyond our traditional areas of excellence. The criteria for new endeavors are that they be outstanding science, and that they capitalize on the talents of our staff and they leverage our highly developed infrastructure. As you contemplate new directions, I encourage you to consider the wealth of collaborative opportunities which the Stanford University research base provides. There is benefit both to the Laboratory program and the University in seeking a broader range of scientific overlap with campus.

I have an enormous love of this precious institution, SLAC. I have long considered this my home, and that is the way I would like each and every one of you to feel. The notion of a SLAC family has great appeal. I want this to be an environment that challenges you and allows you to grow professionally. A compassionate, supportive environment, a workplace that you feel excited to return to on a daily basis. I will strive to live up to my reputation as a supportive manager, someone who is open to input, even to criticism. It's in the nature of this place that there will be many difficult and controversial decisions and I realize that you will not always agree with what is decided. But I will try, to the largest extent possible, to include you in the decision process. I will find ways to foster an upward flow of information. The most precious asset at SLAC is you, the staff and our users; I will take great pains to protect and nurture that valuable asset.

I look forward with excitement to a long and productive journey with you all."

-Jonathan Dorfan