

# The Beam Line

VOLUME 4, NO. 11 **Stanford Linear Accelerator Center**

JULY 2, 1973

## Second PRC Group Visits SLAC



Rudy Larsen (at right, with his back to the camera) talking about SPEAR in the SPEAR control room. Burt Richter (left) was also present.

Thirteen physicists from the People's Republic of China spent the five working days during the period between Thursday, June 7, and Wednesday, June 13 at SLAC as part of their five-week tour of major U. S. high energy physics laboratories.

The visit was arranged by the Committee on Scholarly Communication with the People's Republic of China, sponsored by the American Council of Learned Societies, the National Academy of Sciences, and the Social Science Research Council.

This is the second group from the PRC to visit SLAC; the first group was here on December 11, 1972.

Overall SLAC coordination was provided by Bill Kirk (Research Division). Group sessions were held at SLAC in the areas of superconductivity, accelerator physics, and research. In the area of superconductivity, Perry Wilson (RLA group) served as session coordinator with Alex Tseng (Plant Engineering) as interpreter. Sessions on Accelerator Physics were coordinated by R. Neal (Associate Director, Technical Division) and G. Loew (Accelerator Physics); interpreters here were M. Lee (Accelerator Physics) and T. V. Huang (Accelerator Physics). J. Ballam (Associate Director, Research Division) coordinated sessions on physics research, with P. Teal (Theory) interpreting. Many other SLAC people assisted with the visit.



The topic was bubble chambers when some members of the PRC group talked to Bob Watt (right), head of Bubble Chamber Operations, and Joe Ballam (white shirt), Associate Director of the Research Division.

While here, the group did extensive touring of both SLAC and the High Energy Physics Laboratory on campus. Upon leaving SLAC, the group went to the Lawrence Berkeley Laboratory.



Adele Panofsky (left) explains to our Chinese visitors some aspects of her restoration work on the "Paleoparadoxia," SLAC's first discovery. This took place in her laboratory in the Central Control Room.



Jean Lebacqz, head of the Klystron Group, discusses klystron construction and operation with two of our visitors.

## Ketcher Named Affirmative Action Officer



Jim Ketcher, SLAC's new Affirmative Action Officer.

Jim Ketcher, an instrument mechanic with the Crafts Shop, has been selected as Affirmative Action Officer at SLAC for a one-year term.

He will spend about one-half of his time pursuing duties in the Affirmative Action area as a member of Dr. Panofsky's staff and will report directly to him.

Most of what Mr. Ketcher will be doing might best be described as "casework": he will monitor the effectiveness of the SLAC Affirmative Action Program and initiate, where necessary, the need for remedial action. He will monitor hiring, promotion, and training actions to ensure compliance with the University's Affirmative Action Program. An important part of his job will be to provide liaison among the Personnel Department, the Director's Office, and minority and women's organizations and individuals. By engaging in these activities, Mr. Ketcher will be able to suggest policies within SLAC in the Affirmative Action area.

He will be spending some time representing SLAC at interlaboratory and AEC Affirmative Action meetings.

Before coming to SLAC in 1969, Mr. Ketcher was with Standard Oil in Richmond, California, where he worked with people identified as potential high school dropouts in programs designed to

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# SLAC Participation in Stanford Heart Survey Starts July 16

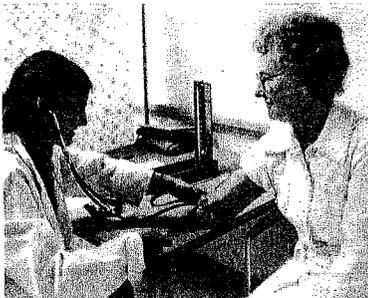
From July 16 through August 24, Stanford faculty and staff at SLAC will be invited to participate in a survey designed to evaluate their risk of developing heart disease. The screening project is part of the Stanford Heart Disease Prevention Program, a medical school based effort funded by the National Heart and Lung Institute. All Stanford faculty and staff 26 years of age and older who are employed 50% or more time are eligible for the survey. Participation is on a voluntary basis. All eligible persons (1) will be contacted by a member of our staff, or (2) may call our program office at 321-1200 ext. 6256.

The purpose of the program is to determine the frequency of certain characteristics associated with a high risk of developing premature heart and vascular disease. For Stanford employees this is an opportunity to learn more about their own "heart health" status and contribute to research on how to prevent heart attacks.

The survey, which has been approved by the University administration, began the first week of April and will continue through March of 1974. It is being conducted at several sites on the Stanford campus near various employee groups and at the program's offices at 730 Welch Road. Most eligible employees already have received a letter asking them to participate.

## Visit I

For most employees, their evaluation will consist of a 15-minute health evaluation, including a brief medical questionnaire, measurements of height, weight, and blood pressure, plus cholesterol and triglyceride (fat) analysis of a blood sample.



Dr. Eleanor Maccoby, Professor in Psychology (r.) having her blood pressure measured at Visit I by Nancy Marx, a technician with the Stanford Heart Disease Prevention Program.

## Visit II

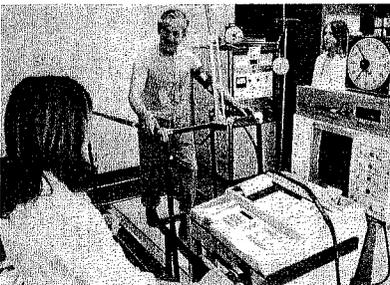
Approximately 25 percent of the participants will be asked to return for second, more extensive evaluation. This group will include a random sample, as well as individuals who were found to have high blood fats in their first visit.

The second evaluation will include a more detailed questionnaire, more extensive blood tests, urine sample for protein analysis, resting and exercise electrocardiograms, and a brief cardiovascular examination by a physician. Results of both the initial and second evaluation will be made available to the participants or their physicians on request. Arrangements have been made with SLAC's medical director, Dr. Sagan, that the

Visit II evaluation will be expanded so as to serve as the annual SLAC physical examination. Dr. Sagan and his staff have kindly arranged for the Stanford Heart Disease Prevention Program to use the medical facilities in the SLAC administration building for Visit I screening.

William Haskell, Ph.D., Project Director, stated, "It is important that we have a high response rate. The higher the percentage participating, the more representative the information will be of the entire Stanford population. If only a small sample responds, it could mean that only people with known medical problems are participating." Dr. Sagan has also stated, "I would urge SLAC employees to participate in this worthwhile medical evaluation."

The Stanford Heart Disease Prevention Program represents the joint efforts of two federally supported research centers established at the Medical Center 18 months ago - the Lipid Research Clinic and the Specialized Center of Research in Arteriosclerosis. Dr. John W. Farquhar, associate professor of medicine, is director of both.



Don Hos, Project Manager of Purchasing, begins his Visit II exercise electrocardiogram which is administered by Judy Bailey, R. N. (l.) and Technician Elaine Linden.



Dr. Maccoby having refreshments which are served after both Visit I and II.

# Job Openings at SLAC

**Secretary II.** Applicant's duties will include typing memos, reports, purchase requisitions, research proposals, abstracts, and manuscripts. Compose memos from general instructions. Arrange appointments, conferences, make travel arrangements. Maintain filing system and reorder office supplies with specific instructions. Distribute mail within the department. Payroll distribution. Shift: days. Salary: \$544-696. Req. No. 7138.

**Electronics Technician III (or Specialist).** Applicant's duties will include maintenance and trouble-shooting in following main areas: SPEAR machine control electronics including fast beam position feedback system; SPEAR Trigger system and Beam Position Monitors; computer interface, including multiplexers and scanners, using diagnostic programs; definition, organization and maintenance of spare parts inventory. Responsibility for organizing, updating and maintaining all related documentation. Shift: days. Salary: Tech III \$844-1078; Spec. \$932-1189. Req. No. 5540.

**Laboratory Mechanician II.** Applicant's duties will include the following: machine and assembly as required a wide variety of metals, plastics, etc., to precision tolerances; particular attention should be given to abilities in machining copper micro wave components. Work from formal drawings, sketches, or verbal instructions. Make recommendations for ease and economy of fabrications. Make short production runs as required. Shift: days. Salary: \$952-1050. Req. 7168.

**PS&E Specialist.** Applicants will be required under limited supervision from engineers and physicists, perform development, improvement, maintenance of the digital data acquisition system from LASS. Must be able to coordinate and supervise projects through electronics shop, trouble-shoot mini computer systems, and perform data acquisition system with links to IBM 1800 and System 7 computers. Shift: days. Salary: \$932-1188. Req. 5911.

**Storekeeper II.** Applicant will be responsible for issuing all types of precision measurement instruments. Must be familiar with equipment in issuing as well as in inspection upon return determining if maintenance and repair is necessary. Will issue, store, order and account for all types and sizes of cutting tools. Must be familiar with machine shop hardware and maintain appropriate supply levels. Should be familiar with machine tool accessories for appropriate issue, inspection, scheduling for maintenance and ordering. Will maintain inventory cards on all items. Should have a good working knowledge of all types and sizes of materials. Will be required to grind tools and therefore must have mechanical aptitude and knowledge of tools used in grinding. Shift: days. Salary: \$630-804. Req. 7169.

In addition to the above positions available at SLAC, a complete listing of open positions on the Stanford campus and the Stanford Hospital are posted outside of the Employee Relations Office, Room 238, A&E Building, and in the Employee's Canteen in the Research Yard.

Contact the Employee Relations Office (phone extension 2355) if you are interested in any of these positions.

## Group Leaders Meetings on SLAC Status Held

On June 20, SLAC Director W. K. H. Panofsky held separate meetings with both the Technical Division and Research Division Group Leaders on the general topics of current SLAC status and future prospects.

A major point emphasized by Dr. Panofsky was that SLAC's future looks stable so that, with respect to job security, a technical person at SLAC is certainly in at least as good a position as someone working in any private high technology industry.

Dr. Panofsky asked Group Leaders to discuss these and other issues of concern with people in their groups and encourages employees to initiate discussions with their group leaders on such topics.

## Affirmative Action Officer ...

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teach skills useful in the working world.

We look forward to having Mr. Ketcher in his new position for the coming year. Since he is currently the Native American Representative on the Affirmative Action Advisory Committee to the General Manager of the AEC, SLAC should benefit from his past interest and experience in Affirmative Action programs.

Mr. Ketcher will be located in the Director's Office on the third floor of the Central Laboratory, extension 2604, and will generally hold office hours between 1-5 p.m.

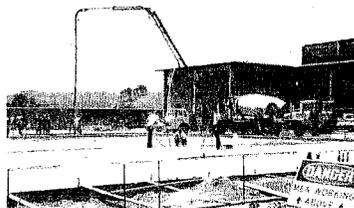
## 1973 "Family Day" Being Planned

In early August lots of SLAC'ers will be going on vacation, but for those of you who will still be here, bring your 'chillun and family to another FAMILY DAY get together (date to be announced). On the last Family Day roundup there were tours to strategic points on site, cartoons for the children (and others) in the SLAC Auditorium, art displays in the breezeway contributed by artistic employees, and free food, soft drinks, and tickets for beer all in the barbeque area behind the cafeteria.

Volunteers are needed to help on a "Family Day Committee" to make arrangements for food, entertainment, publicity, and to decide on the date, time of day, and duration of the event.

Even if you do not volunteer specifically for the committee, suggestions for the program would be very welcome. If you are interested either to join the committee or simply give us some hints for the day, call Marie Arnold, extension 2355.

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What presently looks almost like a skating rink area will (hopefully) by August 1973 look more like a warehouse at SLAC. Being constructed next to the Cryogenics Building, the on-site warehouse will benefit SLAC in primarily two ways. It will: (1) eliminate cost of off-site leasing, and (2) provide convenience and efficiency of storing material on-site in a central location. The warehouse was first proposed in 1968 but not until fiscal year 1973 were construction funds available.



Fred Hooker (Accelerator Physics) and Dorothy Ellison (Experimental Facilities Department) tend their flourishing garden plots. The gophers are having their usual heyday, and it is rumored that one particular bird living in the tree opposite Dorothy's plot has fiendish intentions toward all plots and people near its sanctuary.