

NSF official to talk on science education

The principal education officer of the National Science Foundation in Washington, D.C., will discuss "Developing a National Will to Enhance the Quality of Science Education in America" on Tuesday, Nov. 22.

The talk, at 4 pm in UU 220, is sponsored by the President's Office and the Office of the Vice President for Academic Affairs.

Members of the Central Coast educational community have been invited to the presentation.

Dr. Bassam Z. Shakhashiri is the assistant director for Science and Engineering Education at the National Science Foundation. He has the responsibility for developing policy for national leadership in science, mathematics, and engineering education.

He is also responsible for the NSF education budget and for the implementation of federal programs of research and education, for which funds are appropriated by the U.S. Congress and approved by the President of the United States.

This budget has increased to \$187 million in the last few years, almost double the 1986 level of funding. To ensure that these funds are spent well, Shakhashiri has traveled throughout the country seeking advice from teachers and educators about science and mathematics programs that would best serve the needs of the country's K-12 system, and the undergraduate science, mathematics, engineering, and teacher education programs.

Shakhashiri was born in Lebanon, where he completed high school and attended the American University of Beirut for one year. He completed his undergraduate studies at Boston Univ. in 1960.

He was a teaching fellow in chemistry at Bowdoin College in Maine, and he earned two graduate degrees at the University of Maryland.

After a 14-year career at the University of Wisconsin-Madison, he founded the Institute for Chemical Education and was appointed its first director. In 1984 he assumed his current duties at the National Science Foundation.

Shakhashiri is well known for his development and use of demonstrations in the teaching of chemistry. He has conducted numerous workshops for college and secondary school teachers on a variety of educational topics.

His annual program, "Once Upon a Christmas Cheery in the Lab of Shakhashiri," has been seen by television audiences throughout the country.

He was elected a Fellow of the American Association for the Advancement of Science (1986) in recognition of his scientific and educational achievements.

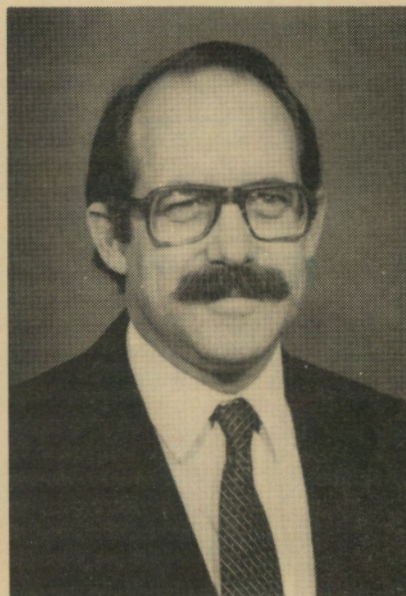
He is the youngest recipient of two of the American Chemical Society's most coveted recognitions — the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry (1983), and the ACS Award in Chemical Education (1986).

His talk at Cal Poly will include a question and discussion period following the presentation.

Holiday CPR schedule

The publication schedule for *Cal Poly Report* is as follows: Thursday, Dec. 1, and Thursday, Dec. 8. The first issue of the Winter Quarter will be Thursday, Jan. 5.

Rural ag development specialist to address Fall Commencement



Roland Bunch, a leading rural agricultural development specialist and Cal Poly alumnus, will give the featured address at the 1988 Fall Commencement at 10 am on Saturday, Dec. 10, in the Mott Gymnasium.

Approximately 620 students are scheduled to take part in the ceremony.

Bunch earned an undergraduate degree in mathematics from the University of the Pacific, and a master's degree in international agriculture at Cal Poly in 1975.

The 44-year-old Eureka native is a leading proponent of an approach to rural agricultural development in the Third World that favors self-motivation and self-reliance.

Bunch administers programs in Central America, Mexico, and Haiti for World Neighbors, a private, international organization

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Thanksgiving holiday food service hours

Tuesday, November 22

Normal schedule, except Vista Grande Cafeteria will close after lunch and Julian's will close at 5 pm.

Wednesday, November 23

VG Restaurant 11 am - 8 pm

Thursday, November 24

VG Restaurant 11 am - 6 pm

Friday & Saturday, Nov. 25 & 26

All areas closed

Sunday, November 27

VG Restaurant 9 am - 8 pm
Campus Store 9 am - 10 pm

Participation urged

The Commencement Committee invites faculty to march with their schools in appropriate academic regalia in the Fall Commencement ceremony to be held Saturday, Dec. 10, at 10 am in the Mott Gymnasium. Faculty are requested to notify their school dean of their desire to march so that adequate seating can be arranged.

Margaret Jenkins to perform on Nov. 29

The most bracing dance company to come out of the West in years, the Margaret Jenkins Dance Company, will perform on Tuesday, Nov. 29. It is part of the CenterStage Theatre and Dance series sponsored by Cal Poly Arts.

The show of cutting-edge choreography, enhanced by a collaborative multi-media excursion into sight, sound, music, and mind will begin at 8 pm in the Theatre.

The founder and artistic director of the company, Margaret Jenkins, studied dance in New York before forming her own San Francisco-based company in 1973.

The company will perform two pieces — "Shelf Life," with music by Paul Dresher and narration by special guest, actor and singer Rinde Eckert; and "Rollback," a piece commissioned by the City of San Antonio and featuring the

music of Terry Allen and the film and stage design of artist Bruce Nauman.

Tickets are on sale at the Theatre Ticket Office. Premium seat prices are \$14 for the public and \$10 for students and senior citizens. Preferred seat prices are \$10 and \$6. For other ticket information, call ext. 1421.

The appearance of the Margaret Jenkins Dance Company is being underwritten in part by the California Arts Council, a state agency, and the National Endowment for the Arts.

Los Angeles Brass set to play Dec. 1

The Los Angeles Brass will present a Christmas concert on Thursday, Dec. 1, at 8 pm in the Theatre. The program will be presented as part of the Quintessence Series.

The concert, titled "Five Golden Rings," will be a special celebration featuring music from holidays past, including arrangements of carols and a special full-length version of Prokofiev's "Peter and the Wolf" for brass, percussion, piano, and narrator.

Originally formed as the Modern Brass Quintet in 1973, the Los Angeles Brass has become the most active brass chamber ensemble on the West Coast.

In addition, their excellent credentials in classical performance and education have created a versatility and open-minded approach to brass playing that delights their audiences and commands respect of their peers.

Tickets for the concert are \$14 and \$12 for the public and \$10 and \$8 for students and senior citizens. They are available at the Theatre Ticket Office. Reservations can be made by calling ext. 1421 between 10 am and 4 pm on weekdays.

The concert is being underwritten, in part, by the California Arts Council, a state agency, and the National Endowment for the Arts.

Christmas concert by Cal Poly choirs

The Cal Poly Women's Chorus, Men's Chorus, University Singers, and Madrigal/Jazz Ensemble will present "A Christmas Celebration" on Friday and Saturday, Dec. 2 and 3.

The concert will begin at 8 pm in the United Methodist Church, 1515 Fredericks St., SLO.

Conducted by Dr. Thomas Davies of the Music Dept., the choirs will perform "seasonal" music representing many styles from chant to vocal jazz. Joining the choirs will be members of the Cal Poly Symphonic Band.

Tickets for the concert are \$5.50 for the public and \$3.50 for students and senior citizens. They can be purchased on at the UU Ticket Office, the Theatre Ticket Office, or at the door on Dec. 2 and 3.

Peace Corps tribute

A special tribute to John F. Kennedy on the 25th anniversary of his death is planned for Nov. 22 from noon to 2 pm. Returned Peace Corps volunteers from San Luis Obispo will meet in UU 216 for a two-hour tribute to honor the former President who founded the Peace Corps in 1961. Readings from letters home, anecdotes, and vignettes of Peace Corps life will be shared. A movie, "Let It Begin Here," will be shown at 1 pm. All interested people are welcome to attend. For information, call ext. 5017.

'88-89 Commencement Speaker Screening Committee

Steve McGary	Daniel Panetta
Earl Keller	Daniel Walsh
Barbara Cook	William Chambers
Jay Devore	Robert Bostrom
Shelby Tocher	Shelly James
Lane Page	

Changes noted in tax sheltered programs

Employees may participate in the 457 Deferred Compensation and 403(b) Tax Sheltered Annuity programs to invest tax-deferred income in a variety of annuity and savings plans and mutual funds. In the past, employees could participate in both programs concurrently. Effective Jan. 1 employees will not be able to participate in both the deferred compensation and tax sheltered annuity programs in any one tax year. Dual participation includes non-overlapping contributions made in the same tax year. The new restriction is due to the difficulty in monitoring over-contributions of dual participants.

Employees participating in either program should be aware that their Jan. 1 contribution (December pay period) will determine which of the two programs they will be allowed to participate in for that tax year. Employees who do not wish to continue their deferred compensation participation in the 1989 tax year must submit a cancellation document to the Deferred Compensation Unit in Sacramento for receipt by Nov. 30. Employees who discontinue participation in the tax sheltered annuity program in 1989 must submit a cancellation form to the Personnel Office by Nov. 30. Both forms are available in the Personnel Office.

Only one tax sheltered annuity action is allowed per tax year. Deferred compensation actions may be submitted once each quarter. Questions regarding tax implications should be directed to tax advisors. Questions regarding deferred compensation and tax sheltered annuity may be directed to Joyce Haratani, Personnel, ext. 2236.

Christmas luncheon planned for Dec. 7

Mark your calendar and plan to attend the annual Christmas Luncheon sponsored by the

Business Affairs Division. It is scheduled for Wednesday, Dec. 7, at 11:45 am in Chumash Auditorium, with entertainment provided by the San Luis Obispo High School Stage and Concert Choirs.

Tickets will go on sale Nov. 21 and must be purchased by Friday, Dec. 2. Additional information, including ticket sales locations, will be sent to each department. Questions can be directed to Nancy Raetz at ext. 2171.

As in the past, donated canned goods for distribution to needy families via the Salvation Army can be deposited in a collection box at the luncheon or in Admin. 127 anytime before Dec. 7.



Academic Senate seeking nominations

The Academic Senate is seeking nominees for the part-time representative position to the Academic Senate for Winter and Spring Quarters. A part-time faculty member is defined as: 1) not holding rank or occupying a full-time position in an academic department; 2) not holding a full-time position in the Professional Consultative Services sector; and 3) not holding a one-year, full-time lecturer appointment in an academic department.

The Academic Senate is also soliciting nominees to the Academic Council on International Programs. The ACIP assists the Office of International Programs in matters of policy and procedures. Members are appointed for three-year terms. Further information is available in the Academic Senate Office (FOB 25H).

Send your notice of interest to the Academic Senate Office by Nov. 28.

...Bunch to speak

that supports self-help development programs in the areas of agriculture, water conservation, health care, family planning, and small business enterprises.

The work of World Neighbors was begun in India nearly 40 years ago, and has spread to 40 other nations.

Bunch's first overseas assignment was in agricultural extension work with the American Friends Service Committee in Guatemala.

Over the next seven years Bunch was either the director, coordinator, or advisor to several other development projects in Guatemala.

One was the Kuchubal Program, a World Neighbors-funded earthquake reconstruction effort that followed the February 1976 temblor that claimed more than 22,000 lives and left 500,000 people homeless.

He began his present duties in 1981. He has observed rural development programs throughout the world. In addition to Latin America and Africa, he has traveled to Burma, Hong Kong, India, Israel, Malaysia, Nepal, Taiwan, and Thailand.

He is the author of "Two Ears of Corn," which has become a classic in agricultural development circles and is in use by more 60 universities, colleges, and organizations.

"We're here to teach people how to help themselves, provide them with the means to help themselves, and give them the self-confidence they need to act on those means," says Bunch.

The Dec. 10 ceremony will be Cal Poly's fifth Fall Commencement since the idea of a mid-year graduation ceremony was revived in 1984.

Students who have completed degree requirements during the Winter, Spring, and Summer Quarters are eligible to participate in Cal Poly's 83rd Spring Commencement planned for Saturday, June 17, at 10 am in Mustang Stadium.

Dateline. . . .

(\$) - Admission Charged

THURSDAY, NOV. 17

Speaker: Victor Fuentes (UCSB) will discuss "Latin American Film" as part of the Arts and Humanities Lecture Series. UU 220, 11 am.

Speaker: Nader Khalili (artist) will show slides and discuss "Ceramic Houses." Theatre, noon. (\$)

Speaker: Bruce Dunn, (UCLA) will discuss "High-temperature Superconducting Oxide Ceramics." Science B-5, 11 am.

Poetry Reading: Wanda Coleman (author/poet) will talk and read poetry as part of the WriterSpeak program. Sandwich Plant, 7 pm.

Play: "The Three Sisters." Continues through Saturday, Nov. 19. Theatre, 8 pm. (\$)

FRIDAY, NOV. 18

Women's Basketball: Cal Poly Classic — CSU Northridge vs. Azusa Pacific and Cal Poly vs. So. Calif. College. Continues through Saturday, Nov. 19. Mott Gym, 12:45 and 2:45 pm. (\$)

Volleyball: 4th annual Volleyball Monthly Invitational - Texas vs. New Mexico & Cal Poly vs Iowa. Continues through Saturday, Nov. 19. Mott Gym, 6 & 8 pm. (\$)

SATURDAY, NOV. 19

Concert: Bandfest '88, Chumash, 8 pm. (\$)

SUNDAY, NOV. 20

Book-Signing: Sara Holmes Boutelle (author) will be autographing her book, "Julia Morgan, Architect," and will show slides on Morgan's life. The Monday Club, 1 pm. The Julia Morgan exhibit in Room 409 of the Library will also be open from 1-4 pm.

MONDAY, NOV. 21

Presentation: Peace Corps presentation on Asia and Africa. UU 216, 6 pm.

Film: "Vera," Chumash, 7:30 pm. (\$)

TUESDAY, NOV. 22

Speaker: Phyllis Davies (World Neighbors) will discuss "Nepal." UU 217-D, 11:10 am.

Wrestling: Portland State, Mott Gym, 7:30 pm. (\$)

WEDNESDAY, NOV. 23

Thanksgiving: Holiday for faculty and staff continuing through Sunday, Nov. 27.

FRIDAY, NOV. 25

Men's Basketball: Fresno Pacific, Mott Gym, 8 pm. (\$)

SATURDAY, NOV. 26

Wrestling: Arizona State, Mott Gym, 7:30 pm. (\$)

MONDAY, NOV. 28

Film: "El Cochecito," Chumash, 7:30 pm. (\$)

TUESDAY, NOV. 29

Women's Basketball: UC Santa Barbara, Mott Gym, 7:30 pm. (\$)

Dance: The Margaret Jenkins Dance Co. will perform as part of the CenterStage series. Theatre, 8 pm. (\$)

Position Vacancies

Vacant staff positions at Cal Poly and the Cal Poly Foundation are announced in this column and are posted outside the respective offices. Contact those offices (State: Adm. 110, 805-756-2236) — Foundation: mobile unit near the Fire Department (805-756-1121) for applications and additional position details. Both Cal Poly and the Foundation are subject to all laws governing affirmative action and equal employment opportunity. Cal Poly hires only individuals lawfully authorized to work in the United States. All eligible and interested persons are encouraged to apply. Applications must be received by 5 pm or postmarked by the closing date.

State

EXTENDED

CLOSING DATE: 11-30-88

Student Services Professional III, Disabled Student Services.

CLOSING DATE: 12-7-88

Assistant Budget Analyst (Assistant Budget Officer), \$2349-\$2827/month, Budget Planning & Administration.

Clerical Assistant II-A, \$692.50-\$817/month; half-time, temporary through 8-89, Computer-Aided Productivity Center.

Clerical Assistant II-C, \$577-\$681/month; half-time, 1-5 pm; 10/12 Pay Schedule, Engineering Technology.

Equipment Technician I/Electro-Mechanical, \$1047.50-\$1259/month; half-time through 6-30-89, School of Architecture and Env. Design.

Storekeeper I, \$1668-\$1977/month; hours 7 am - 3:30 pm, Plant Operations.

Foundation

Accounts Payable Clerk, \$1426-\$1683/month.

Counterworker/Cashier, \$5.40/hour starting with increases to \$6.55/hour based

on merit. Shift: Tuesday/Friday—noon to 8:30 pm; Saturday—2 pm to 10:30 pm; full-time 10-month, academic holidays and summer off.

Cafeteria Worker, \$5.40/hour starting with increases to \$6.55/hour based on merit. Shift: 11 am-7:30 pm with Thursdays and Fridays off; full-time 10 month, academic holidays and summers off.

Director, Upward Bound Project, \$2262-\$2720/month, Temporary through 8-31-89, with continuation subject to funding.

Candidates for positions on the faculty of the university are presently being sought, according to Jan Pieper, director of personnel and employee relations. Those interested in learning more about the positions are invited to contact the appropriate dean or department head. Salaries for faculty commensurate with qualifications and experience (and time base where applicable), unless otherwise stated. This university is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. Cal Poly hires only individuals lawfully authorized to work in the United States. All eligible and interested persons are encouraged to apply.

CLOSING DATE: 12-1-88

Lecturer (part-time), Foreign Languages and Literatures, for Winter and Spring Quarters, 1989 (dependent upon enrollment and funding available) to teach Elementary French. B.A. required; M.A. preferred.

CLOSING DATE: 12-7-88

Lecturers (part-time), Aeronautical Engineering, for Winter and Spring Quarters, 1989. B.S. with teaching and industrial experience required; Ph.D. or M.S. with teaching and industrial experience in the discipline preferred.

Retirement social

Laila Fladby, formerly of the Home Economics Department, and currently a power keyboard operator in the Psychology and Human Development Department, is retiring after 13 years of service at Cal Poly. An informal social will be held in her honor on Wednesday, Nov. 30, from 2-5 pm in FOB 24B.