

cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407

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November 18, 1976

AT CAL POLY COMPUTER SIMULATION A N.A.S.A. GRANT

National Aeronautics and Space Administration (NASA) grants totaling \$47,000 have been awarded to Joseph E. Grimes (Computer Science and Statistics). Dr. Grimes expects to use the grant to develop formulas and computer programs for estimating the safety and stability of a tilt-rotor aircraft being developed by NASA at the Ames Research Center in Sunnyvale.

The experimental aircraft has rotors on its wings that are used in helicopter (or vertical) mode during take-off and rotated to airplane (or horizontal) mode during flight. The aircraft, designed for vertical take-off like a helicopter, will use much smaller take-off and landing areas than the winged craft now in use. In addition to offering much smoother flights for passengers on commercial flights, the tilt-rotor aircraft is also being studied for other uses, including remote area rescues.

Dr. Grimes said he expects the two-year project to result in formulas for safety evaluations for use in a computer system that is being acquired by NASA. He also expects to receive NASA assistance in implementation of the formulas, possibly through a further grant to the Cal Poly Computer Science Department. A member of the faculty since 1973, Dr. Grimes holds degrees in physics, mathematics, and statistics from St. Ambrose College in Iowa, Illinois State University, and Iowa State University. He formerly was a high school teacher in Illinois and a member of the faculty at Iowa State.

A DAY FOR QUITTING

November 18 is the day. It's the day of "The Great American Smokeout," when the California Division of the American Cancer Society hopes to get a million Californians to quit smoking--for that one day.

Recognizing that many smokers would like to quit but find the thought of an endless future without cigarettes overwhelming, the Society has announced this one-day event to show smokers that control of the smoking habit comes one day at a time. The Society slogan for the event is, "Why not observe November 18, The Great American Smokeout."

FLU SHOTS FOR THOSE OVER 45

The Bivalent vaccine for swine flu, which is recommended for those who are over 45 years of age, have lung or kidney problems, or other chronic health problems, will be given to students, faculty, and staff during a free vaccination clinic to be held on Thursday (Nov. 18) at the Student Health Center on campus. Offered as an extension of the vaccination program begun at the Health Center last week, Thursday's clinic will be held from 9 am to 4 pm on the lower level of the center. Those planning to receive shots are asked to use the patio entrance to the building.

A statement issued by the Health Center pointed out that information received at the last minute with the Monovalent or New Jersey type A vaccine used for last week's clinic recommended that it not be given to those over 45 years of age. "We hope those who were disappointed when they were unable to participate in last week's clinic will return to be vaccinated this Thursday," the statement concluded.

POLY PAK CHEESE GIFT BOXES

The "Poly Pak" cheese gift boxes are once again being offered as a student project enterprise. The gift boxes can be ordered now on order blanks available in the Campus Store, or by phoning Nancy Raetz, Ext. 2560. Each box is full of assorted cheeses made at Cal Poly, wrapped in paraffin to insure freshness. All orders must be made by Dec. 3, and can be picked up in the Campus Store, Dec. 8-11, 1976. The boxes come in three sizes to suit individual needs.

NEW EXHIBIT IN VESTIBULE GALLERY

An artist's desire to understand and appreciate the sense of timelessness conveyed by the wild, natural environment has been captured in sketches currently on display in the Vestibule Gallery of the Art Department. The exhibit, which will continue through Wednesday (Dec. 8) can be viewed from 8 am to 5 pm on weekdays in the entry area of the Art Department in the Air Conditioning Engineering Building.

Titled as the "Cold Springs Canyon" drawings, the works by Santa Barbara artist J. Larry Kappen, derive their subject matter from a remote, rocky canyon located near Santa Barbara in the foothills of the Santa Ynez Mountains. The showing of Kappen drawings is part of a continuing series of exhibits scheduled in the Vestibule Gallery under sponsorship of Cal Poly's Art Department.

FARM-CITY DISPLAYS COMING

Education, fun and nostalgia are key ingredients of the Farm-City Week display planned by students of the School of Agriculture and Natural Resources for Saturday (Nov. 20) at the Madonna Plaza Shopping Center. Twelve instructionally related clubs will offer the displays and action events from 10 am to 3 pm. Farm-City Week, observed nationally, is Friday (Nov. 19) through Thursday (Nov. 25).

Demonstrations on sheep shearing and soil testing, help with sick plants, a hay bucking contest, and the ever-popular petting farm will be among features of the displays in the concourse area of the plaza. Exhibits will also include examples of farm machinery now required in the production of food crops, a branding iron display, and display of a cow and calf and the volume of feed needed to maintain both for a month. There will be an exhibit on the future of agricultural jobs, tropical and terrarium plants, and on soil conservation.

CENTRAL TIMESHARING SYSTEM TO BE REPLACED

The Statewide central timesharing system (now located at California State University, Northridge) is scheduled for replacement during the Christmas holiday. The new system, a Control Data CYBER-173, has been installed and is available on a limited basis for testing and conversion. The old system will remain fully operational until Dec. 24. The new CYBER system which is located at the State University Data Center in Los Angeles, will become fully operational on Jan. 2.

Although the new CYBER timesharing system will have the same number of ports as the old ITS (Northridge) system, it will be available 24 hours a day and represents a significant increase in computing power. The new system also supports COBOL and APL in addition to BASIC and FORTRAN.

A seminar on the new CYBER timesharing system is planned for Tuesday (Nov. 23) in Computer Science 248 at 11 am. Topics that will be discussed include: conversion of programs to the new system, account number procedures, language differences, and some basic information on how to use the new system. If you are now using central timesharing, planning to use central timesharing in the future, or require additional information, please call Sam Dunham or Luther Bertrando at the Computer Center, Ext. 2005.

FERGUSON STILL RIDING HIGH

Tom Ferguson, the Cal Poly alumnus who in 1974 earned the professional world's all-around cowboy title, ended the 1976 season at the Cow Palace in San Francisco with a total earnings in excess of \$88,000 -- the largest sum earned in any season by any professional cowboy. Ferguson, a member of three national champion collegiate rodeo teams while a Cal Poly student, broke his own 1974 record of \$66,000. In 1975, he shared the all around title with Leo Camarillo of Oakdale, each credited with \$50,000 in earnings.

Interviewed at his Miami, Okla., home, Ferguson says he doesn't expect the National Finals Rodeo winnings will push his record over the \$100,000 mark. He also gives himself a 50-50 chance at winning the all-around title. For the first time, the world's title will be determined by winnings at the national finals competition only, this year to be held in Oklahoma City, on Dec. 3-11.

BAND-O-RAMA COMING

A traditional and modern jazz concert featuring highlights from this year's football pre-game and halftime shows will be presented on Friday (Dec. 3) by the Mustang Marching Band and the University Jazz Band. William V. Johnson (Music) conductor of the Cal Poly Marching Band and Graydon Williams (Music) conductor of the Jazz Band, will lead the annual Band-O-Rama to be held in Chumash Auditorium at 8 pm.

Admission prices for the event will be \$2 for the general public and \$1 for students. Tickets can be obtained at the University Union ticket desk. The Band-O-Rama program is sponsored by the School of Communicative Arts and Humanities, Music Department, and Associated Students, Inc.

Typewritten copy intended for the next issue of Cal Poly Report may be submitted until 12 noon on Tuesday (Nov. 30) as there will be no issue during the Thanksgiving Holiday.

THANKSGIVING FOOD SERVICE OPEN HOURS

Everette S. Dorrough (Foundation Food Service Director) has announced the following hours for food service areas during the Thanksgiving holiday period:

Vista Grande Cafeteria - Closed after Lunch, Tuesday, November 23rd
Reopens for Breakfast, Monday, November 29th

Vista Grande Restaurant - Closed Friday, November 26th and Saturday, November 27th
Reopens Sunday, November 28th at 11 am

Snack Bar - Closed Wednesday, November 24th through Sunday, November 28th
Reopens Monday, November 29th at 7 am

Burger Bar - Closed Thursday, November 25th through Saturday, November 27th
Reopens Sunday, November 28th at 12 noon

Ice Cream Parlour - Closed Wednesday, November 24th through Sunday, November 28th
Reopens Monday, November 29th at 11 am

Staff Dining Room - Open through Wednesday, November 24th
Closed Thursday, November 25th through Sunday, November 28th
Reopens Monday, November 29th at 7 am

Student Dining Room - Closed after Dinner, Tuesday, November 23rd through Sunday, November 28th
Reopens for Breakfast Monday, November 29th

Vending Administration Building and Cellar - Open through Wednesday, November 24th
Closed Thursday, November 25th through Sunday, November 28th
Reopens Monday, November 29th

Sandwich Plant - Closed Wednesday, November 24th through Sunday, November 28th
Reopens Monday, November 29th

WASSAIL BOWL OFFERED BY CSEA

Chapter 97 of the California State Employees' Association cordially invites all Cal Poly faculty and staff to join their friends for a cup of cheer around the Wassail Bowl anytime between 9 am and 11 am on Tuesday (Nov. 23) in the Staff Dining Room. The evening custodial and maintenance staff are also invited to participate at 10 pm in Erhart Agriculture 220.

OFF-CAMPUS POSITION VACANCY

Information on the administrative position vacancy listed below can be obtained from the Placement Office, Adm. 213, ext. 2501:

University of California, Santa Cruz - Education Chairperson (\$18,000-\$33,500). A tenured position in education with special expertise in multi-cultural education and a record of administrative experience in higher education to serve as Chairperson of the Committee on Education. The applicant will be expected to provide leadership in developing a program in multi-cultural education which is already in operation. Deadline for applications: December 15, 1976.

LETTER OF COMMENDATION

President Robert E. Kennedy has received a letter from Dr. Florence Caylor, a member of the Board of Directors of Grass Roots II in San Luis Obispo reading, in part, as follows:

"On behalf of the many persons that look to Grass Roots for assistance, we would like to take this opportunity to commend the CFFA students that volunteered their services for our canned food drive. These young men dressed in costume on Halloween Eve, and went out canvassing, netting Grass Roots a total of 1,022 cans of much needed foodstuffs. We are deeply grateful that these fine young men gave up their evening for this service to the community. It is impossible to thank them individually since we do not have a complete list of names, but instead take this manner of so doing."

MEMORIAL CONCERT FOR CLYDE FISHER

Cal Poly faculty, staff, and students are invited to attend a memorial organ recital for the late Dean of the School of Science and Mathematics, Clyde P. Fisher. The recital, to be held at 8 p.m. on Saturday (Dec. 4) at the Church of the Nazarene (3396 Johnson, San Luis Obispo) will be performed on the new Clyde P. Fisher Memorial Organ. The organist, Ovid Young, has performed with the Symphony Orchestra of Denver, Pittsburgh, and Akron, as well as others.

LOST & FOUND SURPLUS PROPERTY SALE REMINDER

Employees are reminded that there will be a sale of all unclaimed lost and found articles and surplus property articles in the State Warehouse Building #70 on Tuesday (Nov. 30) between 8:30 am and 4 pm. This will be a bid-type sale. Clothing, books, jewelry, electronic equipment, gas stove, balances, calculators, sewing tables, potter's wheels, safe, cash register, Corning cook top, and various miscellaneous items will be available for bid. Of special interest to contractors is the fact that approximately 2,000 ft. of used 2½" fire hose will also be available.

A.S.I. VACANCIES LISTED

There are two positions available at the A.S.I. Cal Poly Children's Center. They are A.S.I. positions supported by fees and subsidized by the Associated Students, Incorporated. Job descriptions and applications are available at the A.S.I. Business Office, University Union 217. Send resume and application to Tonnie Wells, Chairman, Board of Directors, A.S.I. Children's Center, California Polytechnic State University, Box 96, San Luis Obispo, California 93407. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action and Title IX Employer. All interested persons are encouraged to apply. The positions are:

Coordinator (\$300-\$350/month), Coordinator A.S.I. Childeren's Center. Half-time position. Duties: Administers overall operation of center as delegated by the Board of Directors, supervises staff, maintains adequate and effective relationship with A.S.I. and the University. Requirements: Bachelor of Science degree in Early Childhood Education or related field, Children's Center permit, 5 years administrative plus teaching experience. Closing date: 12/2/76

Assistant Teacher (\$450-\$520/month), Assistant teacher A.S.I. Children's Center. Duties: Supervises children, aids head teacher in carrying out planned activities, assumes responsibilities of the head teacher in her/his absence. Requirements: Bachelor of Science Degree in Early Childhood Education or related field, children's center permit, 1 year teaching experience. Closing date: 12/2/76

WHO...WHAT...WHEN...WHERE???

Alfred M. Bachman, Alan W. Holz, Adelaide Harmon, and George H. McMeen (all Mathematics) spoke at the 17th annual conference of the California Math Council, Southern Section in Anaheim on Nov. 5-6. Their topics were as follows: Dr. Bachman, "How to Raise Student Achievement in Pre-Calculus Courses"; Dr. Holz, "Understanding Relations and Operations"; Dr. Harmon, "Problem Solving Models"; and Dr. McMeen, "What does 'Two Times More' Really Mean?" Bernard H. Strickmeier and Stephen T. Weinstein (both Mathematics) also attended the conference.

Arthur H. DeKleine, Kempton L. Huehn, William B. Judd, Euel W. Kennedy, Martin T. Lang, Raymond D. Terry, Patrick O. Wheatley, and Arthur D. Wirshup (all Mathematics) attended the SIAM/MAA/ASA, Southern California Sections, meeting on Oct. 28 at the Jet Propulsion Laboratory in Pasadena.

George C. Lauman (Mathematics) attended the California Math Council, Central Section Fall Conference in Fresno, Oct. 22-23.

Carolyn B. Shank and Marylinda Wheeler (Women's Physical Education) attended the fall conference of California Society of Park and Recreation Educators held Nov. 5-7 in Paso Robles.

Irvin J. Kogan and William C. Krupp (both Engineering Technology) attended the fall conference of California Council of Electronic Instructors (CCEI) on Nov. 5-6, at American River College in Sacramento. Sessions included background and demonstration of an ultra sonic body scanner, the receipt of a communication from the Oscar satellite on its pass, a presentation of the basics of touch tone encoders and decoders, and a method of allowing beginning students to construct an amplifier without losing or misplacing parts.

Margaret J. Glaser, Donald K. Maas, and Jack B. Jones (all Education) presented papers at the tenth annual conference of the California Reading Association in Sacramento, Nov. 4-6. Dr. Glaser spoke on "Paving the Way to Comprehension," Dr. Maas reported on "Making the Reading Assignment a Tool of Comprehension," and Jack Jones presented, "Remedial Reading: The Alpha and the Omega." The conference was attended by over eight thousand teachers from throughout California.

John R. Healey (Journalism) was chairman of the Publisher of the Year selection committee of the California Press Association which met in San Francisco, Nov. 8. Announcement of the Publisher of the Year will be made Dec. 3 at the winter meeting of the association in San Francisco.

Don E. Stanley (Grounds) attended a Landscape Horticulture Meeting of the Central California section of the International Society of Arboriculture District VII of the California Parks and Recreation Society at the Fresno City College Campus, Nov. 6.

Enrico P. Bongio (Engineering Technology) gave a slide presentation on "Overview of Welding--Techniques" at the 8th annual symposium, Southern California Section of the American Industrial Hygiene Association in Los Angeles on Nov. 18.

John W. Thomas (Biological Sciences) attended the 40th anniversary meeting of the Southern California branch of the American Society for Microbiology in San Diego from Nov. 4-6. Major topics on the program of the meeting were tumor viruses, and industrial, clinical, and fresh water microbiology.

(continued on page 7)

WHO...WHAT...WHEN...WHERE??? (continued from page 6)

David W. Focht (Ornamental Horticulture) was elected to the board of directors of Bedding Plants, Inc., an organization serving the bedding plant industry, during the international meeting of the group at Pennsylvania State University, Oct. 3-7. Focht also was named to the newsletter committee and the All American Selection Committee of Bedding Plants, Inc. More than 800 representatives of the industry, including horticultural faculty from 40 universities, and bedding plant growers from Japan, Holland and Brazil, attended.

Judy D. Saltzman (Philosophy) attended the conference on "Spirituality and Liberation" in Santa Barbara, Aug. 25-30. The principle speaker of the Conference was the distinguished German Theologian, Jurgen Moltmann. Saltzman also attended the Society for Women in Philosophy Conference at San Francisco State University, Sep. 10-13.

Cynthia L. McCutcheon (Mathematics Department) will be on Concentration, Monday night, Nov. 8, 1976 at 7 pm on Channel 9. Her prizes totaled about \$3,300.

Milton Drandell (Management) attended the U.C.L.A. Graduate School of Management Annual Forecasting Seminar in Sep.

David L. Englund (Head, Child Development), Robert L. Blodget, and Josephine S. Stearns (both Child Development) attended the annual convention of the National Association for the Education of Young Children at Anaheim, Nov. 11-14.

Raymond J. Hauser (Architecture and Environmental Design) attended the Society of Industrial and Applied Mathematics Conference at California Institute of Technology in Pasadena, Oct. 28-29. The theme for the conference included math prediction of earthquakes.

Steven C. Orlick and Edward J. Ward (both Architecture and Environmental Design) accompanied third and fourth year City and Regional Planning students to the Western Regional Policy Conference of the American Institute of Planners in Burlingame, Oct. 28-30.

George J. Hasslein (Dean, Architecture and Environmental Design) served as chairman for the State of Idaho A.I.A. Honor Awards for outstanding architecture Oct. 29-30 in Boise.

Antonio Garcia (High School Equivalency Program) was re-elected to a second consecutive term as president of the National Association of High School Equivalency and College Assistance Migrant Programs. These national programs promote education for the offspring of farmworker families at the secondary and post secondary levels.

Kendrick W. Walker (Philosophy) has an article, "Armstrong's Analysis of Self Awareness", in the current issue of The Personalist.

BICENTENNIAL TIME-LINE

Fort Lee, on the Hudson River, is surrendered to British General Cornwallis. The loss of Fort Lee also means the loss of a large amount of American military stores.

CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

Candidates for positions on the faculty of the university are presently being sought, according to Donald L. Shelton (Director, Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action and Title IX Employer. All interested persons are encouraged to apply. Following is a description of the available positions:

Lecturer (\$550-\$915/month based upon approximately 8 unit part-time teaching load--salary will vary dependent upon qualifications), Industrial Technology, School of Engineering & Technology. Winter Quarter 1977 and possibly a position at less than 8 units Spring Quarter 1977. Duties, contingent upon enrollment; teaching courses in quality systems applications, industrial marketing, industrial equipment selection or related technical management. Master's degree preferred and successful industry experience in areas to be taught. Closing date: 12/3/76

Lecturer (2), (\$179-\$572/month based upon approximately 2.6 to 5 unit part-time teaching--salary will vary dependent upon both teaching load and qualifications), Industrial Technology, School of Engineering & Technology. Winter and possibly Spring Quarters 1977. Duties, contingent on enrollment; teaching technical sketching, industrial design, wood technology or related industrial education areas. Master's degree preferred and successful teaching experience in areas to be taught. Closing date: 12/3/76

VACANT FOUNDATION STAFF POSITION

The Foundation is accepting applications for the following open positions as announced by J. L. Fryer, Personnel Officer. Interested applicants may apply at the Foundation Personnel Office, University Union Building, Room 212, 546-1121. Cal Poly Foundation is subject to the requirements of Executive Order 11246 and is an Affirmative Action and Title IX Employer. All interested persons are encouraged to apply.

Programmer I: (\$1097-1319), Business Office. Duties: Basic systems analysis, flowcharting, coding, and preparation of documentation for business applications on an NCR Century 101 system. Requirements: Six months current experience as a programmer using ANS COBOL or NEAT/3 and a degree in Computer Science or Business with a minor in Computer Science (additional experience may substitute for degree). Applications accepted through December 9, 1976.

SUPPORT STAFF VACANCIES LISTED

Vacant support staff positions have been announced by Robert M. Negranti, (Staff Personnel Officer). Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, ext. 2236. Contact the Personnel Office to obtain an application. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action and Title IX Employer. All interested persons are encouraged to apply. The positions are:

Clerical Assistant II-B, (\$719-\$859/month), Personnel, Administrative Affairs Division. Duties: assisting with receptionist duties, answering telephone, filing, typing and taking dictation. Requirements: high school graduate, 1 year clerical experience, typing 45 wpm, shorthand 90 wpm, ability to use dictaphone, and must have taken the General Clerical Test. Closing date: 11/29/76

encouraging notes

November 18, 1976

CARE GRANT COMPETITION OPENS. Only one competition and application date for Creative Activity or Research Effort (CARE) proposals is scheduled for this academic year. The deadline is 5:00 p.m., Tuesday, January 25, 1977, for notification by May 27, 1977.

CARE grant competition is open to all full-time teaching faculty and academic employees on the tenure track. Proposals will be reviewed by the Research Committee on a competitive basis and recommendations will be forwarded to the Vice-President for Academic Affairs for approval. Because of limited funding this year, special consideration will be given to proposals for regular research and for seed grants that may lead to proposals for outside sponsorship. Proposals requesting less than \$1,000 will have a greater likelihood of success.

(Faculty members seeking support for instructional programs are encouraged to look elsewhere within the University for funding. The mini-grant program, funded for this purpose by the Chancellor's Office, is handled by the Academic Planning Office. Funds for FY 1976-77 have been allocated. If the program is funded for 1977-78, announcement and invitation for proposals will be made in February or March 1977.)

Application forms for CARE grants are available in the Research Development Office, Administration 317, Extension 2982.

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USDA - GUIDELINES FOR RESEARCH AGREEMENTS. The United States Department of Agriculture is authorized to make grants for basic research to nonprofit institutions of higher education and to nonprofit organizations whose primary purpose is the conduct of scientific research. From the beginning, research missions have been to develop new knowledge and technology to help farmers produce more efficiently; to protect farm income and insure the stability of American agriculture; to meet the food and fiber needs of the American people; and to improve and protect the environment. Major targets of research are: Animal production, including diseases and parasites; agricultural engineering; crop improvement, including production and disease control; entomology; soil and water conservation; processing and marketing of agricultural products; consumer and food economics; human nutrition; new uses for farm products; and environmental quality.

Guidelines are available in the Research Development Office. *DEADLINE: February 1, 1976.*

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NATIONAL RESEARCH COUNCIL OF CANADA - RESEARCH ASSOCIATESHIPS 1977. The NRC of Canada offers Research Associateships tenable in its laboratories. These associateships are intended to give promising young scientists and engineers an opportunity to work on challenging research problems in fields of interest to NRC as a stage in the development of their research careers. While preference will be given to Canadians, the Associateships are open to nationals of other countries. Applications and supporting documents should be received in Ottawa not later than *January 15, 1977.*

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AID BUREAU OF TECHNICAL ASSISTANCE - OFFICE OF SCIENCE TECHNOLOGY. The Office of Science Technology has received additional funding; approximately \$3 - \$7 million, to fund projects that improve the transfer of American technology to solve problems of less developed countries. The Office is now funding projects that deal with new techniques in agriculture, climatology, construction, and energy conservation -- in sum, a vast array of applied research in technical areas. The Office has not yet finalized a program plan, so they are wide open for unsolicited ideas.

Additional activities to be supported by AID will focus on U. S. university participation in increasing food production in less developed countries. These activities will be carried out under the Title XII authority for AID.

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NSF - NATIONAL NEEDS GRADUATE TRAINEESHIPS. An application deadline of *January 3, 1977*, has been established for NSF's National Needs Graduate Traineeships program. This year the program will seek to help strengthen the nation's future capability for solving major societal problems, which is a broadening of the scope of previous years when traineeships were limited to research and training in energy-related areas.

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CALIFORNIA LUNG ASSOCIATION. The California Lung Association invites applications for research grants for 1977-78. Projects may be proposed in clinical, social, epidemiological, laboratory, and related fields of investigation of lung diseases including tuberculosis. *DEADLINE: December 14, 1976.*

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CONSTRUCTION/ENGINEERING SCHOLARSHIPS. Students from both two- and four-year colleges are eligible for scholarships sponsored by the Associated General Contractors Education and Research Foundation. College freshmen, sophomores and juniors who are enrolled or plan to enroll in four-year construction and/or civil engineering degree programs may apply for the grants.

For further information, contact: AGC Education and Research Foundation, National Office of Associated General Contractors of America, 1957 E Street, NW, Washington, DC, 20006. *DEADLINE: December 1, 1976.*

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KATHLEEN ELLIOTT TRAVEL GRANTS. To provide money for travel abroad for purposes of study or research. Write: Headquarters, Kathleen Elliott Travel Grants, International Federation of University Women, 37, Quai Wilson, Geneva CH 1201, Switzerland. *DEADLINE: December 1, 1976.*

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ELOISE GERRY TRUST FUND. To increase knowledge in the fundamental sciences, and to encourage research in science by women. Write: Ms. Joyce Becker, Chairperson for 1976 Awards, Eloise Gerry Trust Fund, Sigma Delta Epsilon, 2609 Waunona Way, Madison, WI, 53215. *DEADLINE: December 1, 1976.*

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ORGANIZATION OF AMERICAN STATES - FELLOWSHIPS. To contribute to the economic, social, scientific and cultural development of OAS member countries and to bring about a closer understanding between the peoples of the Americas. Write: Office of Fellowships and Training, Secretariat for Technical Cooperation, Organization of American States, Washington, DC, 20006. *DEADLINE: December 31, 1976.*

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FOUNDATIONS: Private foundations can be a source of funding for a wide variety of purposes, including research. Further information about each of these is available in the Research Development Office through the Taft Information System, the Guide to California Foundations, and selected foundation annual reports.

FOUNDATION

PURPOSE

K. H. HOFMANN FOUNDATION

To operate for the advance of education and religion and for charitable purposes.

HUMBOLDT AREA FOUNDATION

Grants are made to tax-exempt groups and organizations for religious, charitable, scientific, literary, or educational purposes, or testing for public safety, or the prevention of cruelty to children or animals, or the promotion of social welfare, or any public trust purpose that donor or testator may specifically designate.

JAMES IRVINE FOUNDATION

A general purpose private foundation granting funds to support projects and programs within California for the benefit of California residents.

LASSEN FOUNDATION

To make grants to non-profit organizations engaged in educational activities, to non-profit hospitals, religious organizations, and to conduct research in the field of nutrition.

LEAVEY FOUNDATION

General charitable, including scholarships to worthy students, medical research and health related subject areas.

LOCKHEED LEADERSHIP FUND

Primarily to support the education of engineers, scientists, and managers for the aerospace industry.

LURIE FOUNDATION

Areas of interest are general community welfare, education, medical research, and the arts.

ALBERT PARVIN FOUNDATION

To promote peace, understanding, and good will among the nations of the world through education, enlightenment, and recognition of achievements.

PELLETIER FOUNDATION

Agricultural research, encouragement of scientific farming practices, aid in agricultural educational grants, and general charitable purposes.

ROSENBERG FOUNDATION

For innovative programs benefitting children and youth in California.

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BRIEF DEADLINE NOTES

- December 31 DOT - Transportation Research. For the support of college- and university-based research into problems of and related to transportation. (ER 11/76)
- December 31 SSRC - Research on East Europe. For postdoctoral social science and/or humanities research. (ER 11/76)
- January 1 NEA - Visual Arts in the Performing Arts. Grants are available to performing arts groups who wish to engage the services of artists of exceptional talent who are not professional stage or costume designers.
- January 1 NSF - Anthropology Research. Applications for grants for anthropological research in areas of support covering full range of the science, including cultural and social anthropology, archeology, and physical anthropology. (FRR 109)
- January 2 NEH - Program Grants. Supports a group of related courses or an ordered program of studies in the humanities focusing on a particular area. (ER 11/76)
- January 2 NEH - Development Grants. Intended to extend the impact of the humanities on the academic life of a total institution through the reorganization of departments of instruction, basic revision of curricula and improvement of instructional methods. (ER 11/76)
- January 3 NEA - Challenge Grants. This program seeks to encourage new and increased sources of income on a continuing basis for artistic institutions and museums, by "matching" the contributions obtained from other sectors. (FRR 216)
- January 3 NSF - National Needs Graduate Traineeships. To support the training of graduate students of high ability who may be expected to strengthen the future capability of the nation in solving problems related to national needs. (ER 11/76)
- January 3 Problem or Topic-Oriented Programs in International Studies. To stimulate and assist institutions to organize or strengthen teaching resources in international studies or to add an international dimension to an existing program.
- January 4 Ford Foundation - Faculty Fellowships for Research on the Role of Women in Society. The awards are designed to enable faculty members to be released from teaching and other non-research assignments for research of their own choosing on a relevant subject. (CSU/F)
- January 7 NSF - Science Faculty Professional Development Grants. Awards will be made for study or work in the mathematical, physical, medical, biological, engineering, and social sciences, and in the history and philosophy of science, as well as in interdisciplinary fields.
- January 12 NSF - Chautauqua-Type Short Courses for College Teachers. To make available to college teachers of science as quickly as possible new knowledge about topics of current interest in such a way that ideas and materials will be directly useful in current or planned undergraduate education programs.