Funds for Cal Poly’s 1979 Summer Quarter have survived the threat of elimination by Gov. Edmund G. Brown Jr. and are included in the 1979-80 budget submitted by the governor to the legislature on Wednesday. The fact was foremost as members of the administrative staff at Cal Poly began their analysis of Gov. Brown’s budget recommendation.

As submitted by the governor, the university’s net operating budget for next year will be $44.6 million, up from about $43.8 million this year. An additional $7.6 million expected to accrue from student fees and federal financial aid monies will increase the gross budget for 1979-80 to $52.2 million. The gross budget for 1978-79 is $50.1 million.

President Robert E. Kennedy was happy with the governor’s inclusion of funding for the university’s Summer Quarter program. “We are pleased to have the importance of the Summer Quarter recognized in this budget. At Cal Poly, this is especially important for many students,” he said.

President Kennedy pointed out that the saving of nearly $683,000 required of the university this year as a result of Proposition 13 was carried over as the base for the governor’s 1979-80 budget recommendation. Also included in Gov. Brown’s proposed budget is an additional saving of as much as $450,000 depending on the outcome of 12 special studies of The California State University and Colleges operations ordered by the system’s trustees last month.

President Kennedy said he expects that the university will be able to meet the required savings by reducing operating costs and keeping unfilled positions frozen rather than laying off present faculty and staff employees. He said Cal Poly’s share of 390 positions to be cut in the CSUC system will be about 25. “At this point, we don’t believe it will be necessary to lay off any individuals to meet that reduction,” Dr. Kennedy said. Some layoffs are expected at other campuses in the system, although most adjustments in personnel will be accomplished by attrition, retirements, and leaving vacant positions unfilled.

An additional bit of good news received by Cal Poly in the governor’s budget recommendations is a reduction of almost one percent in the amount of required salary savings. As proposed, the reduction in required salary savings for 1979-80 will be from 2 to 1.1 percent for faculty and from 4 to 3.1 percent for other employees. The result should be an actual increase of about $300,000 in operating monies for the university.

Not included in operating budget figures mentioned earlier by Dr. Kennedy are funds for capital expenditures and salary increases for employees. Action on salary increases for all CSUC employees, including those at Cal Poly, was deferred by the governor. Indications are that the employee compensation section of his recommended budget will be amended later to provide funding. News reports from Sacramento this week indicate that the governor is considering increases that would average about six percent for all state employees.

In deference to the tragedy which has stricken the family of Dr. Norman Alexander, the Cal Poly Wives’ Club has announced that a reception scheduled for President and Mrs. Kennedy will be rescheduled. Originally set for 2:30 pm to 4:30 pm on Thursday (Jan. 18), the event will be announced for a future date, according to Mrs. Lurline Bucy, president of the Wives’ Club.

1979 Poly Royal theme will be “Poly’s Treasures”

Soon after the concession booths and displays were dismantled in the wake of some 100,000-plus visitors for the 1978 Poly Royal, Cal Poly students began preparation for the 1979 event. A well-deserved breather was taken, then meetings began anew in search of a theme for the 47th renewal of the traditional campus open house that is often described as a “county fair on a college campus.”

Julie Adams, 1979 Poly Royal superintendent (and first woman to head the executive board since the festival’s inception) has announced that the dates for this year’s event will be Friday and Saturday, April 27 and 28. The theme, selected by the board from several hundred submitted by students, will be “Poly’s Treasures—Discover Them!” according to Miss Adams, a senior speech communication major.

Among the more popular special events held during Poly Royal weekend are championship intercollegiate rodeos; tractor pulls; educational displays from Cal Poly’s 53 instructional departments; a carnival; food concessions; a variety of concerts; an aquacade; square dancing; sports events; and art, fashion, and flower shows. During the two days of Poly Royal, scheduling for campus facilities is left entirely to the discretion of students on the Poly Royal Board. President Robert E. Kennedy has appointed Connie Breazeale (Home Economics) and Michael Zohns (Ornamental Horticulture) as special advisors to the Poly Royal Board.

In the next few weeks, the board will select and invite an honored guest, and in mid-February the board will elect a queen and court of four princesses to represent Poly Royal at statewide alumni meetings, service club meetings, and various functions on the campus during the weekend.

Miss Adams said the emphasis of Poly Royal will be on family entertainment and education, and that the Poly Royal Board, which stages the campus festival for the A.S.I., wants to invite everyone to attend this year’s event.
Ag Management alums meet

The outlook for California agriculture and seminars on agricultural marketing will highlight the biennial reunion for graduates of Cal Poly's Agricultural Management Department on Friday and Saturday (Jan. 26-27). Some 150 graduates are expected to attend the two-day seminar and hear the presentation on the outlook for California agriculture by Eric Thor, a noted agricultural economist from the University of California, Berkeley.

The first day's session will be held at the Veteran's Memorial Building, Palm St. at Grand Ave., San Luis Obispo. It will begin at 9 am with a welcoming speech by Howard C. Brown (Dean, Agriculture and Natural Resources). Dr. Thor's presentation at 10 am will be followed by afternoon panel discussions on cattle dynamics, produce marketing, pest management, and agricultural sales and service.

The second day's session will be held on campus in Room 123 of the Agricultural Engineering Building. It will include discussions of agricultural labor relations and practical involvement in politics. A luncheon at 11:30 am, at which Dale Andrews (Executive Vice President) will be the featured speaker, will conclude the biennial alumni seminar. Other events planned for the agricultural management alumni include a barbecue dinner to be catered by student members of Cal Poly's Agricultural Business Management and Farm Management clubs and a western dance, both on Friday evening.

York appointed supervisor

James R. Landreth (Director of Business Affairs) has announced the appointment of Marilyn York as property accounting supervisor in the Financial Operations Department. York holds a BA degree from Cal Poly and has served in a supervisory capacity in the housing accounting unit, and prior to that as an accounts payable clerk.

New composition will be performed

A national organization of university music composers has chosen a new composition by a Cal Poly faculty member for performance at its annual conference. "Laudate Pueri," written by John Russell (Music) will be performed at the 1979 National Conference of the American Society of University Composers. The conference will be held at University of California at San Diego from Feb. 28 through March 4.

"Laudate Pueri," which means "Give Praise," is the Latin setting of Psalm 112. A four-movement work, it was written for chorus, soloists, and string orchestra. Russell originally composed the work for the Cal Poly University Singers and Chamber Orchestra, who performed it during their 1978 California Mission Tour. Published by Lawson Gould-Music Publishers Inc., New York, it will be released in print this spring.

Vestibule Gallery features prints

A collection of 25 original prints using such art techniques as lithography, intaglio, chine-colle, and stamp-printing is the current exhibit in the Art Department Vestibule Gallery. The collection, known as The Hayward Portfolio, is available for viewing between 8 am and 5 pm on weekdays through Friday (Feb. 23). The Hayward Portfolio is the work of 23 students and three faculty of the Art Department at California State University, Hayward. It was executed as a class project by students of Misch Kohn of the CSUH faculty, who conceived the project as a means of raising funds to purchase print-making equipment.

Purchases of portfolios from the collection thus far have been by the Library of Congress, Washington; Brooklyn Museum, New York City; The Oakland Museum; and others, including several private collectors. Other techniques represented in the collection, which is part of the permanent collection of the University Galleries of CSU Hayward, are relief, embossing, rubber stamp, hand color, relief color, and collage.

The current Vestibule Gallery show is part of a continuing series of displays of art by Cal Poly students and faculty and other artists presented by the Art Department. The gallery is located in the foyer of the department's offices in the Air Conditioning Engineering Building.

Magazine features Graphic Communications


The article features photographs of John Wordeman, (Head, Graphic Communications) and other photographs showing students in the Shakespeare Press Museum, operating the web press, which prints Mustang Daily, operating letterpress equipment; and a direct-entry phototypesetter.

The article notes that: "This four-year program offers students applied and theoretical understanding in all phases of graphic arts, technology, and, in addition, provides them with experience in managing a printing operation...

While enrollment at most liberal arts colleges has dropped in the past few years, students in the printing program at Cal Poly have increased from about 250 students in 1973 to 416 last quarter, and currently only about half of those who apply can be accepted. The reason for this, undoubtedly, is that virtually every student who completes the program has a job waiting for him or her on graduation."

Cal Poly Report copy intended for the next issue should be submitted to Betty Holland, Adm. 125, Ext. 2576, prior to 12 noon on Monday.

Cal Poly Dateline is compiled by the Public Affairs Office, Adm. 401, Ext. 2246, and is published on Mondays. Typewritten copy intended for the next issue should be submitted to Cathy Burt, Adm. 401, prior to 12 noon on Wednesday.

Defensive driver training program

The Defensive Driver Training Program will be held on Tuesday (March 6) through Friday (March 9). The classes will be scheduled both in the morning and the afternoon and they will last approximately 3 1/2 hours. All staff, faculty and students who have never received Defensive Driver Training cards must attend a class if they wish to drive state vehicles. Attendance is by reservation in advance, on a first come first serve basis. Space is limited and may be reserved by completing reservation forms available at the Transportation Services Office. For further information please call Ext. 2451

Books at High Noon

Next Tuesday's (Jan. 23) Books at High Noon program will feature Clyde Hostetter (Communications/Media Productions). He will review in Search of Ancient Astronomies, a new book by Dr. E.C. Krupp, the director of Griffith Observatory. Hostetter's interest in the subject of ancient astronomy began when he discovered a very old copper bowl in a marketplace in Saudi Arabia. The bowl evidently had been used sometime between 3000 B.C. and 700 B.C. to predict eclipses and other astronomical events.

Books at High Noon is sponsored by the Cal Poly Library; programs are given in the Staff Dining Room at noon on Tuesdays. All the books that are reviewed are available in the Library - the Books at High Noon committee invites you to come in and browse.

Colored paper is scarce

As the result of a lengthy strike at the paper mills, a shortage of colored paper stock exists. The duplicating Center is able to obtain very limited amounts and will therefore be required to substitute white bond on most duplicating services requisitions specifying colored stock. When preparing requisitions, you may designate colored stock, however, white stock will automatically be substituted if the color is not available.

Lau’s textbook in revised edition

A textbook with a learn-by-doing approach to management written by James B. Lau (Management) has been issued in a revised edition. Titled Behavior in Organizations: An Experimental Approach, the book features involvement exercises in which emphasis is upon the process of interaction and thinking rather than or learning specific content.

The textbook emphasizes skills and personal effectiveness as the primary learning areas. An outside class team project, which parallels the course, provides reinforcement of the book's content and class activities. Dr. Lau, who came to Cal Poly eight years ago from a joint appointment with University of Virginia’s School of Business and the U.S. Civil Service Commission's Federal Executive Institute, developed the book by adapting for university-level instruction the exercises he had used in executive development programs. He is a graduate of Eastern Michigan University and University of Michigan, where he completed studies for his doctor's degree in 1954.

First published in 1975 by Richard D. Irwin Inc., Homewood, Ill., Behavior in Organizations: An Experimental Approach, is currently being used in undergraduate management and business programs and graduate business administration programs by colleges and universities in the U.S. and Canada. The new revised edition, completed while Dr. Lau was on sabbatical leave from his duties at Cal Poly, has just been published.

Festival films

"Fort Apache" and "She Wore a Yellow Ribbon," both directed by John Ford, will be presented as the fourth program of the Cal Poly Extension Film Festival the afternoon and evening of Sunday (Jan. 21) at Cal Poly. Both motion pictures will be presented at 3 pm and again at 7:30 pm in the 500-seat Cal Poly Theatre. Admission will be free and the public is invited to attend on a "first-come-first-served" basis.

"Fort Apache" and "She Wore a Yellow Ribbon" are two of the "cavalry trilogy" pictures directed by Ford, one of the film industry’s most renowned directors. They star Wayne as a cavalry officer who is caught between duty to the military and his devotion to his fellow soldiers and his own ideals. Co-starring are Henry Fonda, Shirley Temple, and Ward Bond in "Fort Apache," and John Agar, Ben Johnson, and Joanne Dru in "She Wore a Yellow Ribbon."

Still remaining in the Cal Poly Extension Film Festival, which is being presented in cooperation with the university's English Department and Alumni Association, are two April programs. Scheduled on Sunday, Apr. 1, is Marcel Camus' "Black Orpheus" and on Sunday, Apr. 8, Peter Watkins' "Edvard Munch."

Cal Poly profs author new book

"College Algebra With Applications" is the title of a new book authored by Sabah Al-hadad and C.H. Scott (both Mathematics). The authors have written this book to be used for the "Pre-Calculus Algebra" course at Cal Poly and other colleges and universities.

The book features structured analytical technique for solving word problems. It contains an extensive list of exercise sets with a wide array of applications. In addition to the listing of behavioral objectives for each section, examples of mathematical art precede each chapter. Each of these is a design illustrating some of the key mathematical concepts discussed within the chapter. The accompanying instructor’s manual includes answers to all even-numbered exercises in the book.
Glee clubs concert announced
The Cal Poly Men's and Women's Glee Clubs will present their fourth annual January Concert at 8:15 pm on Friday (Jan. 26) in the Cal Poly Theatre. Featured during the concert, to which the public is invited, will be selections by each glee club, by the combined glee clubs, and by the World Famous Majors and Minors, a barbershop ensemble, according to Stanley Malinowski (Music) conductor of the groups.

Music by two American composers, Daniel Pinkham and Randall Thompson, will be sung by the combined glee clubs. The Women's Glee Club will present "Prayers from the Ark," "Beautiful City" from the musical "Godspell," and "An American Trilogy" by Mickey Newbury. The Men's Glee Club will perform choral pieces by Edward Grieg, Martin Shaw, and Robert Shaw.

Tickets for the January Concert are $1 for students and $2 for the public. They are being sold at the University Union ticket office and by members of the glee clubs.

Tax forms will be late
Donald L. Shelton (Director of Personnel Relations) advises that the following memo regarding W-2's has been received from the Office of the State:

"The 1978 W-2's, Wage and Tax Statement, will not be released until late January. The exact date is not known, but will be before the Internal Revenue Services' demand date of January 30, 1979.

The reason for this delay is attributed to Internal Revenue Service, who did not provide the State Controller's Office with the W-2 preparation instructions in sufficient lead time to inform the printer. The printing company is unable to provide the forms prior to January 15, as in previous years.

Please inform your employees of this new schedule immediately and instruct them not to call the State Controller's Office concerning the delay. We are making every attempt to release the W-2's as soon as possible."

As soon as W-2's are received on campus, distribution will be made.

Distribution of W-2 Forms
W-2's for students and staff on the Foundation payroll will be available form Jan. through Jan. 31 at the Foundation cashier's window, University Union 212. Student and Staff statements (Form W-2) which have not been picked up by noon on Wednesday (Jan. 31) will be mailed.

Insurance rep to be on campus
Ron Gifford, representative of Occidental Life of California, will be on campus Tuesday, Jan. 23, from 8:30 am to 11:30 am to answer employees' questions on the Cal-Western/Occidental basic and major medical health insurance sponsored by the Public Employees' Retirement System as well as the California State Employees' Association ordinary and term life insurances. Mr. Gifford will be located in Adm. 106. Appointments are not necessary.

Budget Outlook
Continued from page 1
The recommended budget reduced Cal Poly's request for capital improvements from about $1 million to $505,000. Still included in the governor's proposal is an expenditure of $486,000 for new equipment for the recently opened Clyde P. Fisher Science Hall. Also included are funds for equipment for the new Faculty Office Building (presently under construction and due for completion this fall). Lost was money for conversion of science laboratories and plans for conversion of an older residence hall for administrative use.

STAFF VACANCIES
Vacant support staff positions have been announced by Robert M. Negran, Staff Personnel Officer. Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2326. Contact the Personnel Office to obtain an application.

Slide Curator, $868-$1041/month, 4/5 time on 12-month basis with full University benefits. Art Department. Duties: cataloging, documenting and ordering slides and other visual materials for the Art Dept. Minimum requirements: B.A. in Western Art History, one year training or experience in slide librarianship. Ability to read French or German and competent typing preferred. Hours of work: 8 a.m. to 5 p.m. Closing Date: 2/1/79.

Data Entry Operator, $742-$886/month, Computer Center. Duties: operating IBM keypunch and verifying machines, assisting in sorting and tabulating and performing related clerical tasks. Requirements: Must have the ability to key enter from average copy at the rate of not less than 7,000 strokes per hour with an error rate not to exceed .5 percent, keypunch test required, and must have taken the General Clerical Test. High school graduates with six months of experience in the operation of IBM keypunch machines are preferred. Closing Date: 2/1/79.

Intermediate Account Clerk, $729-$871/month, Plant Operations. Duties: Act as receptionist to Supervisor of Building Trades; sort and distribute mail; answer telephone; write and issue work orders to respective shops; prepare and process all monthly billing for auxiliary organizations and dorm revenue fund. Requirements: One year experience in accounting and general office procedures and must have taken the General Clerical Test. Hours: 8 a.m. - 4:30 p.m. Closing Date: 2/1/79.

Secretary B, $890-$1066/month, Computer Center. Duties include purchasing, inventory control, bookkeeping and budget projections, student payroll, report preparation, general secretarial support. Should be numerically and analytically oriented. Ten-key by touch, technical editing skill, and familiarity with computing highly desirable. Three years experience, type 45 wpm, shorthand 80 wpm, and must have taken the General Clerical Test. Some college preferred. Closing Date: 2/1/79.
Candidates for positions on the faculty of the University are presently being sought, according to Donald L. Shelton (Director of Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. Following is a description of the available positions:


Assistant Professor, $14,256-$17,136/year, Food Industries Department, School of Agriculture and Natural Resources. Full-time, tenure-track position available September 17, 1979. Duties and responsibilities include teaching courses in meats, including lectures and laboratories involving slaughtering, cutting and processing. Applicants should possess a Ph.D. in Food or Animal Science with emphasis in Meats. Prior teaching and practical experience is preferred. Closing Date: 4/20/79.

Assistant or Associate Professor, $14,256-$21,024/year, depending on qualifications, Industrial Technology Department. School of Engineering and Technology. Full-time, academic year, tenure-track position beginning Fall 1979, teaching six industrial plastics courses and coordinating and developing all aspects of a plastics laboratory. Ability to teach technical courses in allied industrial areas and professional courses in industrial education/technology desirable. Master's degree in related area required. Experience teaching industrial education including plastics at the secondary/university levels, industrial technical managerial experience in plastics and advanced graduate study leading to the doctorate will all receive favorable consideration. Closing Date: 4/2/79.

Department Head, $22,656-$27,348/year, Landscape Architecture Department, School of Architecture and Environmental Design. Position available September 1979. Duties: Administration in planning, organizing and directing the work of the department within the total structure of the School and University academic administration. Professional degree in landscape architecture plus a master's or doctoral degree in landscape architecture or allied profession; experience in administration, teaching and practice, as evidenced in professional registration, research and publication. Closing Date: 2/15/79. Apply to Dean, School of Architecture and Environmental Design.

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 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. All interested persons are encouraged to apply.

Cook, $4.49-$5.33/hour, Food Service. Duties: Prepare food items; maintain sanitary and safe working conditions; assist in the maintenance of a standardized recipe system and supervise student assistants. Requirements: High School education or equivalent and a minimum of two years Dinner House or equivalent cooking experience. Closing Date: 2/1/79.

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OFF-CAMPUS VACANCIES

East Los Angeles College, President.
Filing deadline: March 2.

California State University, Northridge,
Dean, School of Communication and
Professional Studies. Deadline: February
23.

California State College, San Bernardino,
Dean, School of Humanities. Filing dead-
line: March 15.

California State University, Fullerton,
Director, Learning Resource Services.
Filing deadline: March 1.

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

Robert S. Cichowski, Chemistry, received
an award from the National Science
Teachers Association for his entry, "Bat-
man and Robin: The Chemistry Caper," in
the 1979 NSTA-Gustav Ohaus Awards
Program for Innovations in Elementary and
Secondary Science Teaching. This is the
third time Dr. Cichowski has won this
award. His entry was a theatrical/chem-
istry magic show for children, to introduce
them to chemistry and promote an interest
in science.

Fred P. Andoli and Lee R. Parker,
Biological Sciences, recently presented
papers at the annual meeting of the
National Science Teachers Association in
Anaheim. Andoli's paper was titled "The
Use and Care of Reptiles in the Class-
room"; Parker's paper was "Paleoecology,
Some New Aspects of Earth Science."

Arthur L. Schwartz Jr., Business Adminis-
tration, co-authored an article recently
published in the Journal of Finance. The
article is titled "Temporary Trading Sus-
pensions in Individual NYSE Securities."

Malcolm McLeod, Biological Sciences,
attended a public forum presented by the
California Desert Advisory Committee on
behalf of the Bureau of Land Management.
The program was presented Dec. 12 in
Riverside. Viewpoints were presented as to
effects of present uses of B.L.M. lands and
what this indicates as to future use
designations.

Patrick Hill, Architecture, attended the
California Council/American Institute of
Architects 1979 Annual Convention, "The
Best in the West: California Architecture
'79," Nov. 1-3 in Newport Beach. High-
lighting the conference was a slide show,
panel discussion presentation of 72 leading
California architects and their works.

David B. Leszynski and Roger A.
Vlnande, Soil Science, participated in the
symposium, Protection of the Hydrologic
Environment of Surface Mined Lands, held
on Dec. 5 at the Fall Meetings of the
American Geophysical Union in San
Francisco.

Celebrate Printing Week - Jan. 15-19
PROPOSAL WRITING SEMINARS. A series of seminars in proposal writing will be given by the Coordinator, Research Development, during the week of January 29. The seminars are given in three one-hour sessions: the first covers getting organized and finding a sponsor; the second deals with the narrative of the proposal itself; and the third involves a critique of an actual proposal.

The seminars will be given at 10:00 a.m. on Monday, Wednesday and Friday, January 29, 31 and February 2, in Ag 138, and will be repeated each day at 1:00 p.m. in Ag 138. All interested are welcome to participate--the seminars will offer an opportunity both to develop and improve proposal writing skills.

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REMINDER - NSF/ISEUSE PROGRAM. Drafts for the NSF Instructional Scientific Equipment for Undergraduate Science Education Program are due in the Research Development Office by 5:00 p.m., Friday, January 26. A notice concerning special internal procedures governing this program has been sent to each school dean, and copies are available from the Research Development Office.

***

DEPARTMENT OF ENERGY - ELEMENTARY TEACHER IN-SERVICE ENERGY EDUCATION. The U.S. Department of Energy (DOE) will offer support for projects aimed at the improvement of energy education in the nation's elementary and/or junior high schools. DOE will provide support to colleges and universities for in-service workshops on general as well as specific topics in this energy field. In-service workshops are expected to provide teachers with insights into the nature and complexity of the national and world energy situation and with pedagogical techniques appropriate to their classrooms. Grants are expected to amount to less than $10,000 each. The deadline has been moved back from February 12, 1979, to March 14, 1979.

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DEPARTMENT OF ENERGY - PUBLIC ENERGY EDUCATION PROJECTS. Proposals will be accepted until February 26, 1979, for public energy education programs that are of national scope. Programs may deal with energy issues and options as well as consumer/homeowner options.


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NSF - SCIENCE AND TECHNOLOGY TO AID THE PHYSICALLY HANDICAPPED. Proposals for a multi-disciplinary Science and Technology to Aid the Physically Handicapped research program are being sought by the National Science Foundation. The program encourages research that includes not only the natural sciences and engineering, but also the social (legal and economic) and medical sciences. The program will not support architectural design studies, clinical research work, or research that duplicates work supported by other federal agencies.

About $1.6 million will be available during fiscal 1979 to initiate new projects. Deadline for the program is March 30, 1979.
*** PEER REVIEW PANELS. The U. S. Department of Health, Education and Welfare, the National Endowment for the Humanities, the National Endowment for the Arts, and many other agencies are attempting to recruit women and members of minority groups to serve on their peer review panels. This policy opens opportunities for CSUC faculty and administrators who qualify as expert reviewers but, in the past, felt there was little chance of their selection, to participate on a panel. Each agency has different methods for panel applicants to follow. If you are interested, contact the CSUC Washington Office, telephone 202-785-2424.

** **

NSF - SCIENTISTS AND ENGINEERS IN ECONOMIC DEVELOPMENT (SEED) PROGRAM. This program's objectives are to (1) enable U.S. scientists and engineers to share experiences with their counterparts in developing countries through the conduct of specific research and education projects contributing to the economic development of the host country; (2) establish long-term collaborative relationships between U.S. and foreign institutions; and (3) increase the capability of scientific and technical institutions in developing countries to contribute to economic development. Individuals may apply through their institutions for support to enable them to conduct research or teach for 5 to 12 months in academic institutions of developing countries. Or they may apply for International Travel Awards to engage in research or teaching in institutions of developing countries for a period less than 5 months. Deadline is June 1, 1979.

** **

NSF - RESEARCH IN SCIENCE EDUCATION. Research in Science Education (RISE) seeks to assist in creating and organizing a body of fundamental knowledge that can be used to improve the quality and effectiveness of science education for a wide spectrum of learners. RISE supports research that might ultimately lead to the improvement of the quality of science and mathematics in five areas: (1) science education for the early adolescent; (2) science for women, minorities, and handicapped; (3) technology in science education; (4) science literacy; and (5) cognitive processes and the structure of knowledge. Proposals should be directed to research evaluation and synthesis or empirical research. Past projects have received funding ranging from $21,000 to $228,000 with project durations of from twelve to thirty-six months.

Preliminary proposals are encouraged, and guidelines for their preparation are available in the Research Development Office. There is no deadline for the formal proposal. NSF Program Officer is Dr. Mary Rowe, telephone: 202-282-7745.

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** UPCOMING U.S. OFFICE OF EDUCATION PROGRAM DEADLINES:**

3/5/79 MEDIA RESEARCH, PRODUCTION, DISTRIBUTION AND TRAINING. The purpose of this program is to promote the advancement of handicapped persons by assisting research, production, distribution and training in the use of media. An estimated 50 new awards will be made in FY 1979, ranging from $25,000 to $190,000 per award, with average slightly over $100,000.

3/13/79 MODEL PROGRAMS FOR SCHOOL-AGED HANDICAPPED CHILDREN. The purpose of this program is to support projects which have the potential of serving as models for similar programs and which will disseminate and aid in the replication of successful project components.

* Guidelines and/or applications available in Research Development Office, Admin 314/ext 2982.

** Information requested and should be available soon.

*** Contact agency directly.