

cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407

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POLY MUSIC MAKERS TOUR

Three of Cal Poly's prestigious musical groups will tour a number of California locations in the next several weeks. They are the Cal Poly Symphonic Band tour, the Chamber Singers/University Singers tour, and the joint tour of the Cal Poly Men's Glee Club and the University Jazz Band (Collegians).

The Cal Poly band's itinerary will open on Monday (Mar. 21) with an evening concert in Novato and conclude with an evening performance in Sunnyvale on Friday (Mar. 25). The student ensemble, along with a contemporary studio band, percussion ensemble, Dixieland Band, and Wind Ensemble, will offer daytime programs of marches, overtures, rock and jazz, and classical band music for campus audiences in Pacifica, Cloverdale, Burlingame, and Cupertino. Evening concerts, to which the public is invited, are planned in Novato, Healdsburg, Concord, and two in Sunnyvale.

The 85-member Cal Poly Symphonic Band conducted by William V. Johnson (Music) has received international recognition for its performances as the featured resident ensemble at the 1975 International Youth and Music Festival in Vienna. The band served as the teaching band for the festival and gave special featured concerts, including one in the Sofiensoal, one of Vienna's famed music halls. It also presented a live concert over ORTF, the Austrian national radio network, that was rebroadcast by Radio Free Europe.

Liturgical music ranging from Renaissance to contemporary will be the program for seven public concerts to be given by the University Singers and Chamber Singers. The tour will open with an evening program at Mission San Miguel Archangel on Sunday (Mar. 13). Also planned are concerts in mission churches in Santa Clara, Sonoma, San Rafael, San Francisco, and Carmel, and a concluding performance on Sunday (Mar. 27) at 8 pm at Mission San Luis Obispo de Tolosa in San Luis Obispo.

The University Singers and Chamber Singers will be accompanied by a 15-piece instrumental ensemble composed of members of the Cal Poly Chamber Orchestra, according to John R. Russell (Music) director of the singing groups. Clifton E. Swanson (Music) will conduct the instrumental group.

Performances in ten different Southern California communities are included on the schedule for the tour of the Men's Glee Club and University Jazz Band (Collegians). The tour, which will open in Alhambra on Monday (Mar. 21) and end on Friday (Mar. 25) in Anaheim, will include both assembly concerts for school audiences and public concerts. Assembly performances are planned at high schools in Alhambra, Alta Loma, Arcadia, Costa Mesa, Glendale, Long Beach, Orange, and Rancho Palos Verdes.

(Continued on page 2)

COCKRIEL TO RETIRE

George W. Cockriel (Chief, Police and Fire Department) a university employee for nearly twenty years, will retire effective Apr. 2. Cockriel joined the university in 1957 following extensive experience in both law enforcement and fire service. In addition to his regular duties, for a number of years Chief Cockriel taught an industrial safety related course in the Industrial Engineering Department.

Never one to really retire, George has announced that he has already accepted a position with the Van Pelt Fire Truck Company in Oakdale, California. The staff of the Business Affairs Division will host a coffee honoring Cockriel on Thursday (Mar. 31) from 2 pm to 4 pm in the Staff Dining Room. George's many friends among the faculty and staff are invited to join together to wish him well for the future.

FOOD SERVICE HOURS ANNOUNCED

Everette Dorrough (Foundation Food Service Director) has listed the food service hours of operation that will be observed during the Spring Quarter break:

Saturday and Sunday, March 19 and 20, 1977

All Food Service Facilities Closed

Monday through Wednesday, March 21 - 23 (Academic Holiday)

Staff Dining Room	Open 8 am to 4 pm
Burger Bar	Open 10 am to 4 pm
Vending Cellar	Open 7 am to 4 pm

Thursday and Friday, March 24 and 25 (Registration)

Staff Dining Room	Open 7 am to 4 pm
Burger Bar	Open 10 am to 12 midnight
Snack Bar	Open 7 am to 4 pm
Ice Cream Parlour	Open 11 am to 8 pm
Vista Grande Restaurant	Open 11 am to 8 pm
Vending Cellar	Open 7 am to 4 pm

Saturday and Sunday, March 26 and 27

Snack Bar	Open 7 am to 4 pm
Burger Bar	Open 10 am to 1 am Saturday
	Open 12 noon to 12 midnight Sunday
Vista Grande Restaurant	Open 11 am to 8 pm

Monday, March 28 (Spring Quarter Classes begin)

Resume regular food service schedule

MUSIC GROUPS TOUR...(Continued from page 1)

The public concerts will be in Swing Auditorium at the Orange Show in San Bernardino; the Alta Loma High School Auditorium; and the Carnation Plaza at Disneyland. Joining the Men's Glee Club directed by Stanley A. Malinowski (Music) and University Jazz Band conducted by Graydon Williams (Music) for the tour will be the World Famous Majors and Minors, a 12-member men's vocal ensemble which specializes in barbershop melodies, and the Collegiate Quartet, which is best known for its vocal renditions of popular songs.

MUSTANG DAILY WINS TOP PLACE

Mustang Daily, the Cal Poly student newspaper has been selected as the best campus newspaper in California. The first place award for general excellence was presented by the California Intercollegiate Press Association (CIPA) at its 28th annual meeting in Chico, March 3-5. The award was made on the basis of a series of five consecutive issues from Oct. 14 to Oct. 21, 1976.

Second place went to the Daily Spartan of San Jose State University. The Forty-Niner of California State University at Long Beach and Daily News of University of California at Santa Barbara tied for third. Campus newspapers from 20 colleges and universities in California and Nevada were entered in the CIPA competition. Mustang Daily won the third place award for best special section for an issue exploring the Diablo Canyon Nuclear Power Plant and an honorable mention in the best content-single issue category.

Daily co-editors James P. Sweeney and Steve Churm said in an editorial "the overall award symbolizes that a totally student run operation such as ours is truly a 'learning by doing' situation." Sweeney said "It was the greatest moment in Steve's or my life." Sweeney said James Hayes (Journalism) the paper's advisor, was an invaluable asset to the paper, contributing ideas and sharing his expertise with the staff. "It's a tribute to the system we run." Churm said about the award. He said the emphasis on local news with by-lined articles differed from the policy of many other campus newspapers that primarily print news from the wire services.

Both co-editors praised the paper's staff of writers and editors and the students at University Graphics System which prints Mustang Daily, one of the few campus papers which is also printed by students on campus. Other business during the meeting saw Mustang Daily staff writer Joanne Sbranti elected as first vice-president of the organization. She is a junior student in journalism. Cal Poly was selected as the site of CIPA's 1978 meeting.

MATH BOOKS WRITTEN BY McMEEN

A series of mathematics books designed to meet the academic needs of elementary school students has been co-authored by George H. McMeen (Mathematics) who helped write "Basic Mathematics," a series of workbooks and texts for elementary students from kindergarten to eighth grade. Dr. McMeen explains that the books are designed for "the lower half of the class" to make up for the number of texts for mathematically proficient students. The material is presented at a slower pace than usual, averaging about a half a grade slower.

Because of the present trend in the United States to adopt the metric system of measure, the series teaches that system first. After students have mastered the metric system they are taught the English system of weights and measures. "Basic Mathematics," is the eighth series of textbooks that Dr. McMeen has collaborated on. Published in Jan., it has already been included on the approved textbook list in three states and numerous cities.

Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Tuesday (Mar. 22) in the Public Affairs Office, Adm. 125. Copy intended for Cal Poly Dateline is due in the Public Affairs Office by 12 noon on Wednesday (Mar. 23).

COMPUTER CENTER HOURS FOR FINALS AND QUARTER BREAK

The Computer Center will be open to process student and faculty programs from 8 am to 12 midnight weekdays and from 8 am to 5 pm weekends from Mar. 14 through Mar. 31. These hours will apply to keypunches, documentation and input/dispatch bins in Computer Science 101 and 102-103. During the week of Mar. 21 through Mar. 25, a system generation will be in progress on day shift so student and faculty programs may be run intermittently.

SUPPORT STAFF VACANCIES

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. Applications shall be on official forms. Contact the Personnel Office to obtain an application. 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.

Clerical Assistant II-A, (\$673-\$804/month), Admissions, Records and Evaluations Office, Student Affairs Division. Duties: work with student records, assist with registration, prepare grades, etc; work in Admissions Office to process applications for admission of students. Requirements: high school graduate, type 45 wpm, 1 year clerical experience and must have taken the General Clerical Test. Typing proficiency preferred. Two positions available. Closing date: 3/24/77.

Sheet Metal Worker, (\$1253-\$1375/month), Plant Operations, Business Affairs Division. Duties: shall construct, maintain and repair all sheet metal parts; form and fabricate common sheet metals into various objects; advise in selecting, ordering and storing of supplies and equipment. Requirements: high school graduate, completion of recognized apprenticeship in sheet metal work or three years experience as journeyman sheet metal worker. Must have thorough knowledge of sheet metals, read blueprints and instruct unskilled assistants. Closing date: 3/31/77.

Clerical Assistant II-A, (\$673-\$804/month), Educational Opportunity Program, Student Affairs Division. Duties: type, maintain student files, receptionist and other clerical functions as required. Requirements: high school graduate, type 45 wpm, and must have taken the General Clerical Test. Bilingual-bicultural person desirable. Temporary leave replacement position available from 3/21/77 thru 12/31/77. Closing date: 3/31/77.

OFF-CAMPUS POSITION VACANCIES

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

California State Polytechnic University, Pomona - Dean of the School of Science (\$28,332 - \$34,260). Earned doctorate from an accredited college or university in a related field and clearly demonstrated recent scientific and responsible administrative leadership, preferably at educational institutions, required. Deadline: April 15, 1977.

Northern State College, South Dakota - President. Post graduate degree required, terminal degree and previous academic and administrative experience in a multi-purpose state college desired. Deadline: April 20, 1977.

Humboldt State University - Executive Assistant to the President (\$24,852 - \$30,024). Doctoral degree and professional experience worthy of that rank required. Deadline: April 30, 1977.

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 all laws governing affirmative action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendment Act. All interested persons are encouraged to apply.

Lecturer, (\$13,572-\$21,576, depending upon education and experience), Transportation Engineering Department, School of Engineering and Technology. Assignment is full-time for 10 months as sabbatical leave replacement, 9/77 thru 6/78. Duties and responsibilities include teaching courses in stress analysis, materials--concrete and asphalt, structural design, highway and airfield pavement design, and basic computer programming and application to engineering problems. Responsibilities will also include supervision of senior projects and student advisement. A Ph.D. in Civil or Transportation Engineering with industrial experience is required. Closing date: 4/15/77.

Visiting Professor, (\$21,576-\$26,052/Academic Year), Physics Department, School of Science and Mathematics. Candidates are expected to be outstanding teacher-scholars. The department is especially looking for a person who also is interested in good undergraduate teaching. Ideally, this person would have wide ranging interdisciplinary interests and experience. It is expected that he would interact frequently with faculty members as well as students. Closing date: 5/1/77.

Lecturer, (\$3143-\$9792/Academic Year, dependent upon qualifications & experience), Social Sciences Department, Division of Social Sciences. One part-time position for the Academic Year 1977-78. Duties include teaching three sections per quarter. Areas of teaching will be Global Geography, Regional Geography of California, Regional Geography of Anglo America, and Economic Geography. Ph.D. preferred. Closing date: 4/15/77.

Lecturer, (\$5429-\$6528/Academic Year, dependent upon qualifications & experience), Social Sciences Department, Division of Social Sciences. One part-time position for the Academic year 1977-78. Duties include teaching two sections of Introductory Cultural Anthropology. Ph.D. preferred. Closing date: 4/30/77.

Assistant Professor, (\$13,572-\$16,320/year), Electronic/Electrical Department, School of Engineering and Technology. Recent Ph.D. preferred with strong commitment to undergraduate teaching in area of microprocessors as applied to electronic systems such as instrumentation, control, communications and electrical power control. Industrial experience desired providing background for effective senior project advising in system design employing microprocessors. Position available: 9/77. Closing date: 4/20/77.

Visiting Counselor, (\$21,576-\$26,052/Academic Year, one year assignment), Counseling Center. Duties: To augment existing professional development efforts. Some student counseling and assessment. Assist in developing programs in peer counseling, graduate student training and skill modules with media playback with multi-cultural population. Highly skilled person, extensive experience in professional development. Skills necessary in program development in group format. Familiarity with organization development. Doctorate with experience in campus mental health counseling. Application of student development and group theory to individual and group counseling. Scholarly work and extensive training experience must be in evidence. Apply to Dr. Lois Dirkes, c/o Visiting Counselor Search Committee, Counseling Center. Closing date: 4/29/77.

VACANT FOUNDATION STAFF POSITION

The Foundation is accepting applications for the following open position 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.

Custodian: (\$716-856, Temporary, approximately 3 months). Facility Service Department. Duties include: Vacuuming, cleaning bathrooms, maintaining public areas, sweeping, washing windows, and other custodial duties. Must be able to get along with fellow employees and accept oral/written directions. Requirements: Must be familiar with custodial materials and methods and have the equivalent of an 8th grade education. Applications will be accepted through March 31, 1977.

FACULTY VACANCIES...(Continued from page 5)

Career Counselor, (\$13,572-\$20,592/Academic Year, appointment one year only), Counseling Center. Duties: Career counseling, both individual and group with multi-cultural student population. Expertise in developing career counseling programs and training professional staff. Desire experience in business/industry and industrial psychology. Commitment to career planning, decision-making, life planning. Be able to demonstrate personal counseling skills. The applicant should have a doctorate with experience in the above areas. Apply to Dr. Jim Aiken, c/o Career Counseling Search Committee, Counseling Center. Closing date: 4/29/77.

Head Cataloger, (Associate Librarian) (\$17,304-\$20,856/year). Duties include administration of Cataloging Section. Requires ALA accredited degree, a second subject master's or equivalent, six years professional library experience, including three years administrative experience, and a working knowledge of two foreign languages. Apply to Norman D. Alexander, Director, University Library. Position available 7/77. Closing date: 6/1/77.

Lecturer, (\$4524-\$5440/quarter, salary quoted is for full-time assignment and will be adjusted accordingly. Home Economics Department, School of Human Development and Education. Part-time positions anticipated for Fall and/or Winter and/or Spring Quarters of 1977-78. Duties include teaching in one of the following areas: 1) Foods and/or Senior Projects. 2) Nutrition and/or Senior Projects. 3) Creative Textiles and/or Senior Projects. 4) Equipment and/or Senior Projects. 5) Interior Design and/or Senior Projects. 6) Management, Consumer Resources and/or Senior Projects. 7) Clothing and/or Senior Projects. 8) Senior Projects. Preference will be given to candidates with doctorate. Only applicants with a Master's Degree in Home Economics from an accredited university or college will be considered. Closing date: 7/1/77.

Lecturer, (\$4128-\$4960/quarter), Engineering Technology Department, Mechanical Option, School of Engineering and Technology. Half time position for Spring Quarter 1977 only. Duties: teaching a range of drafting and descriptive geometry classes for engineering and engineering technology students. Master's Degree (or substantial progress toward) is required. Experience in teaching college level mechanical and electrical drafting and descriptive geometry required. Closing date: 3/29/77.

Lecturer, (\$4524-\$5,968/quarter, dependent upon qualifications), Engineering Technology Department, Electronic Option, School of Engineering and Technology. Full-time position open for spring quarter only. Duties: teach variety of Electric/Electronic courses, such as freshman Electric Circuits Laboratory, Electronic Graphics, Senior Seminar and advise Senior Project students. Industrial experience required; Master's Degree desired. Closing date: 3/29/77.

encouraging notes

March 17, 1977

VISIT FROM DIRECTOR OF CSUC WASHINGTON OFFICE: The CSUC System, as you may know, maintains an office in Washington, DC, which has the responsibility for maintaining close liaison with the federal executive agencies and legislature. Sheppie Abramowitz, Director of the office, will visit our campus on the afternoon of April 6. If you have questions about the status of legislation or about sponsors for potential projects, call the Research Development Office (2982) for an appointment with her.

This is an excellent opportunity for anyone interested in the Washington scene to confer with the knowledgeable person in the CSUC system.

You are also reminded that Robert Lucas, Coordinator, Research Development, will be in Washington, DC, April 18-22. During that time, he will be meeting with various program officers in federal agencies to determine new priorities and emphases for funding. He would also like to explore specific ideas for funding. If you have an idea for an activity that you would like to have federal sponsorship for, please send Dr. Lucas a prospectus by Wednesday, *April 6*, and he will arrange to meet with the appropriate program officer in Washington. A conference with Ms. Abramowitz will also be very helpful, since she will be better able to determine which agencies are most likely prospects, and will schedule the meeting for Dr. Lucas.

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S&H FOUNDATION - LECTURESHIP PROGRAM. The lectures, in the fields of public affairs and the social sciences, enrich established undergraduate and graduate curricula by bringing public and scholarly experts into direct contact with faculties and students, and extend and strengthen the influence of the sponsoring school through its constituency and the nearby community, by the presentation of at least one public lecture by each distinguished visitor. For further information, contact: Paul B. Mott, Jr., Executive Director, Sperry and Hutchinson Foundation, 330 Madison Avenue, New York, NY, 10017. DEADLINE: *April 15, 1977.*

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ARCA FOUNDATION. The Foundation is focusing on population education programs which are geared toward population control and stabilization. It will also consider nutrition proposals if they are related to a part of a population education program. The Foundation has a penchant for programs that are community based and meet local needs. Programs that have a communication or educational emphasis are of special interest as long as they are related to population, nutrition and non-traditional education. For further information, write: Frank D. Dobyns, Executive Director, Arca Foundation, 100 East 85th Street, New York, NY, 10028. DEADLINE: *April 15, 1977.*

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OFFICE OF CHILD DEVELOPMENT - CHILD DEVELOPMENT RESEARCH & DEMONSTRATION GRANTS. The purpose of this program is to attempt to alter children's behavior by changing the specific environmental factors which are believed to influence that behavior. DEADLINE: *April 30, 1977.*

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NSF - US/INDIA EXCHANGE OF SCIENTISTS. Applications for funds for international travel support under the US/India Exchange of Scientists Program for fiscal year 1978 are now being accepted for travel after October 1, 1977. Senior scientists interested in making short-term visits to India to exchange information, consult, or collaborate on specific projects with their Indian colleagues should apply before April 15. American participants are selected by NSF with the concurrence of the Indian Council of Scientific and Industrial Research, New Delhi.

For further information, contact the Research Development Office (2982), Administration 317, or the Division of International Programs, NSF, 202/632-5796.

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NSF - OCEANOGRAPHY PROGRAM SCHEDULE. The annual schedule of proposal review panel meetings for the Oceanography Section has been revised to match the new fiscal year. The following deadlines and associated panel meetings and earliest possible award dates will apply for proposals in Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics:

PROPOSAL DEADLINE	PANEL MEETING	START DATE (EARLIEST)
30 April	July	1 October
15 August	October	1 January
31 December	March	1 June

For further information, contact Dr. Robert Wall, Oceanography Section, 202/632-4227.

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NSF - DISSEMINATION & USE OF SCIENTIFIC AND TECHNICAL INFORMATION. The Division of Science Information is soliciting proposals for its program, Improved Understanding and More Productive Use of Scientific and Technical Information. Research projects will be selected to stimulate innovation and entrepreneurial activity that may result in more efficient communication systems and more useful information services. Closing date for submission of proposals is April 15, 1977.

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ERDA - SPECIAL PROJECTS IN ENERGY EDUCATION AND TRAINING. THE U. S. Energy Research and Development Administration recently announced a new program dealing with education and training in energy development and use and environmental areas related to energy production and use at the postsecondary level. In particular, proposals are sought which are innovative and unusual and which do not fit within any existing education program. Proposals for assessing or studying an education problem or testing the proposed solutions to a problem important to the energy research and development programs, or which may strengthen centers for energy education on a nationwide basis, are welcome. Potential applicants are requested to submit a preliminary proposal, five pages or less, prior to developing a formal proposal.

There is *no deadline*, but proposals will be reviewed quarterly in March, June, September and December. Submit a preliminary proposal and request the booklet "Preparation of Proposals for Special Projects in Energy Education and Training." (A copy of this booklet is available for review in Administration 317.) For more information, write: Dr. James C. Kellett, Assistant Director of Education and Training, U. S. Energy Research and Development Administration, 400 First Street, NW, Washington, DC, 20545.

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EDUCATION POLICY FELLOWSHIP PROGRAM. The Education Policy Fellowship Program (EPFP) is a program of the Institute for Educational Leadership of The George Washington University. EPFP provides an adult work/learning year to individuals who have demonstrated leadership ability and a concern for improving the educational system. EPFP is funded by a variety of federal grants and foundations including Ford, Rockefeller, Cleveland, George Gund, and Otto Brenner. EPFP is a non-degree program that is designed to match learning experiences with the individual Fellow's particular skills and interests. The backgrounds of former Fellows include the fields of Law, Economics, Political Science, Education, Public Administration and numerous other interest areas. All applications must be postmarked on or before *April 18, 1977*.

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NSF - DEVELOPMENT IN SCIENCE EDUCATION (DISE). Guidelines and application forms are now available in Administration 317 for the DISE program. The DISE program represents a consolidation of pre-existing programs of the Division of Science Education Development and Research. The goal is to identify and develop innovative and practical technologies, methods and instructional materials that promise to improve the quality, currency, relevance and productivity of science education.

Activities supported by DISE include: (1) development, testing and evaluation of new instructional materials; (2) design, testing and evaluation of innovative instructional delivery modes; (3) design, testing and evaluation of experimental courses, curricula and degree programs; (4) identification of technologies that promise enhanced effectiveness of science education; experimentation with and improvement of these technologies; (5) needs assessments for specific development activities.

Eligible projects may deal with the physical, biological, and social sciences, mathematics, engineering, technology, the history and philosophy of science, or may involve combinations of these disciplines. DEADLINE: *April 22, 1977*.

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NSF - RESEARCH IN SCIENCE EDUCATION (RISE). RISE is intended to (1) summarize and critically evaluate existing research results; (2) support research projects in areas of importance to the science education and science education research communities; and (3) aid in the identification and definition of emerging research problems. DEADLINE: *April 22, 1977*.

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NIE - RESEARCH ON ORGANIZATIONAL PROCESSES IN EDUCATION. The National Institute of Education is supporting studies of how elementary and secondary schools and school districts carry out essential tasks, such as setting goals, finding resources, assigning work, identifying and solving problems, monitoring performance, and adapting to changing times.

For applications and information, write: Research Staff/Group on School Capacity for Problem Solving, National Institute of Education, Mail Stop 4, 1200 19th Street, NW, Washington, DC, 20208.
NO DEADLINE.

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EPA - RESEARCH AND DEVELOPMENT INTERESTS. The Environmental Protection Agency has issued its Program Guide for FY 1977. The Guide lists EPA's priorities and funding available for this FY. General areas of interest include: Health and Ecological Effects, Energy, Industrial Processes, Public Sector (waste management, water supply) and Monitoring and Technical Support.

For more information, contact: Environmental Protection Agency, Office of Research and Development, Washington, DC, 20460.

NO DEADLINE.

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AIDS TO INDIVIDUAL SCHOLARS

ECONOMIC HISTORY ASSOCIATION - ECONOMIC HISTORY RESEARCH GRANTS

Deadline: April 1

Purpose: To assist research in economic history by supplementing a major fellowship or to support individual research. PhD in economic history is required.

Contact: Secretary, Committee on Research in Economic History
Economic History Association
Eleutherian Mills Historical Library
Wilmington, DE 19807

AMERICAN PHILOSOPHICAL SOCIETY - GRANTS IN AID

Deadline: April 11

Purpose: For basic research in all fields of learning.

Contact: Executive Officer
American Philosophical Society
104 South Fifth Street
Philadelphia, PA 19106

GRANTS FOR COLLABORATIVE PROJECTS - INTERNATIONAL RESEARCH & EXCHANGES BOARD

Deadline: April 30

Purpose: Such undertakings as binational or multinational symposia, joint research or publication, exchanges of data, comparative surveys, and institutional exchanges of professors and students will be considered. Applications should be made by letter to the Executive Director explaining the nature and purpose of the proposal.

Contact: International Research and Exchanges Board
110 East 59 Street
New York, NY 10022

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NSF - BIOCHEMISTRY PROGRAM. *May 1, 1977*, is the deadline for research proposals to the Biochemistry Program. Support will be given for research in (a) molecular mechanisms of biological cognition, catalysis, and control; and (b) assembly and function of supramolecular complexes of proteins, lipids, and nucleic acids, Contact: Program Director, Biochemistry Program, Division of Physiology, Cellular and Molecular Biology.

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