

# cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
SAN LUIS OBISPO, CALIFORNIA 93407

Volume 28, No. 10

September 30, 1976

## AT FALL CONFERENCE

## NEW EMERITI/EMERITAE



## NAMED AND HONORED.....

Twenty-three men and women with a combined total of nearly 500 years as employees were recognized as emeritus/emerita members of the faculty and staff during the 1976 Fall Conference at Cal Poly. Ten were named emeritus members of the Cal Poly faculty, one was named dean emeritus, one was named librarian emeritus, and 11 were named emeritus members of the university's support staff. All had retired from university service within the last year.

The honorary titles were conferred by President Robert E. Kennedy, who said they are a declaration to all members of the campus community that those named are granted certain rights, privileges, and benefits. They receive library services, use of staff dining facilities, visitor parking privileges, use of the Campus Store and El Corral Bookstore, and other campus privileges.

Named dean emeritus was J. Cordner Gibson, who ended 27 years of service to the university on July 30. Dean Gibson had been dean of the School of Agriculture and Natural Resources for eight years after having been a member of the faculty and associate dean of the School of Agriculture and Natural Resources since 1949. The emeritus librarian title was conferred on L. Harry Strauss, director of the University Library from 1968 until his retirement on Aug. 30. He had been a member of the library staff since 1961.

Faculty members honored with their departments and the year they became members of the Cal Poly faculty, are: Joy G. Berghell, Library, 1956; Marvin D. Brown, English, 1964 (earlier service 1956-1963); Charles A. Herald, Electronic and Electrical Engineering, 1958; Edward J. Jorgenson, Men's Physical Education, 1947; Raymond V. Leighty, Soil Science, 1957; John H. Manning, Mathematics, 1956; Robert J. Rodin, Biological Sciences, 1953; Dean Trembly, Counseling and Testing Center, 1961; William R. Troutner, Crop Science, 1942; and Omer K. Whipple, Chemistry, 1956. Staff employees recognized with their departments and the year they joined the university staff, are: Vic Allen, Custodial Services, 1949; Edith A. Barnes, Poultry Unit, 1960; Loretta I. Costen, Engineering Technology, 1953; Donald J. Curtis, Student Health Center, 1960; Francine A. Hapgood, Business Affairs Director's Office, 1951; Mary L. Johnson, Executive Vice President's Office, 1950; Edwin S. Koch, Foundation Custodial Services, 1963; Lionel Middlecamp, University Farm, 1942; Jean C. Steck, Industrial Engineering, 1956; Boyd N. Wettlaufer, Audio Visual Production, 1960; and Alfred T. Wilcox, Custodial Services, 1960.



#### FIRST WEEKEND PROGRAMS BEGIN



Educating individuals to reach their potential will be the topic for the first presentation of the new season for the First Weekend Series at Cal Poly. Scheduled for 7:30 pm on Sunday (Oct. 3) in University Union 220, the program will feature a panel composed of educators and counselors. Admission will be free and the public is invited to attend.

Panelists will be Robert L. Levison and Robert L. Blodgett (Education); Michael L. Emmons (Counseling Center); and Bernice B. Loughran (Art).

Their presentations will be on values, mind and body health, skills for intellectual independence, and creative use of leisure. A period of open discussion will follow the panel presentations.

Dr. Loughran, who also coordinates the First Weekend Series, said the theme for the 1976-77 series will be "Quality of Life." Programs during the year will focus on people, however, rather than on environment. She said they are held the first weekend of each month of the academic year except December. The informal nature of the programs allows an audience of students and faculty to join with residents of the Central Coast to enjoy lively discussions on a wide range of topics. The First Weekend Series is sponsored by Cal Poly's School of Communicative Arts and Humanities.

#### JEWISH RELIGIOUS HOLIDAY OBSERVED

The Jewish religious holiday of Yom Kippur falls this year on Monday (Oct. 4). Faculty should be prepared to receive favorably requests from those Jewish students who may wish to miss classes, tests, or make up examinations which fall on that day. Yom Kippur is the most solemn and important of all Jewish holy days.

#### McFARLIN WRITES BOOK ON BLACK CONGRESSMEN

A university professor's book on the orations of black congressmen during the years following the Civil War has been published by a New Jersey publishing company. Titled "Black Congressional Reconstruction Orators and Their Orations 1869-1879," the book is by Annjennette McFarlin (Speech Communication), who joined Cal Poly's faculty last year. She acknowledges that the Reconstruction period continued up to 1901, but says she limited her study "to that period which was considered by some historians to be the period of radical reconstruction."

Included in the 333-page hard-bound book are biographical information and texts of the addresses given in Congress by 17 of the 18 black men who were elected to congress between 1869 and 1879. Dr. McFarlin believes her work is important because it establishes "that the black congressmen, during Reconstruction, did positively contribute to and were directly involved in the political structure of the United States."

She also pointed out that the black congressmen did propose and support meaningful bills for passage through the House, even though they may have been defeated. "Many of the bills the black congressmen introduced were deemed unworthy and others died a natural death on the road from one house to the other to the President's desk." "Black Congressional Reconstruction Orators 1869-1879" was published by The Scarecrow Press, Inc., Metuchen, N.J. It is available at \$12.50 in bookstores and from the publisher.



#### INSURANCE OPEN ENROLLMENT ANNOUNCED



The Public Employees' Retirement System Board of Administration, has scheduled an open enrollment period for all Meyers-Geddes Health Benefits Plans from Oct. 1 through Nov. 15. The effective date of such enrollment or change of enrollment will be Jan. 1, 1977. The open enrollment period is provided to allow eligible employees to:

- a. Enroll in a health benefits plan if they are not currently enrolled but were eligible to enroll and failed to do so.
- b. Add to present enrollment all eligible family members who are not currently enrolled. (Note: dependents between 19 to 23 years of age can now be added without submitting an approved health statement).
- c. Change from one health benefits plan to another.

The plans that are currently available in this area are: Blue Cross/Blue Shield, Cal Western/Occidental, United Foundations for Medical Care, and American National Insurance (requires membership in the Association of California State University Professors). For further information contact Barbara Melvin in the Personnel Office at Ext. 2236.

An open enrollment period, also from Oct. 1 through Nov. 15, has also been announced for the Accidental Death and Dismemberment and Hospital Income Plans recommended for The California State University and Colleges. Membership in an employee organization is not required for enrollment in one of these plans. Materials concerning these plans will be distributed to all university employees as soon as they arrive (approximately the first week of October). If you have any questions concerning these plans, please call Barbara Melvin in the Personnel Office at Ext. 2236.

#### EXTENSION PROGRAM RECEIVES RECOGNITION

Recognition of the Continuing Education program of Cal Poly as a provider of continuing education courses for professionals in two health-related fields has been granted by two state boards. Don M. Morris (Associate Dean, Continuing Education) said designation of Cal Poly Extension as a "provider institution" came this week from the State Board of Registered Nursing and the Board of Examiners of Nursing Administration.

Still pending and expected soon from the State Board of Vocational Nurse and Psychiatric Technician Examiners is approval of Cal Poly Extension as a provider of continuing education for vocational nurses and psychiatric technicians. Renewal of registration for nurses requires a total of 30 hours of course work. One quarter unit of extension credit is equal to 10 of the hours required for renewal.

#### LONG SERVICE CERTIFIED

Pins and certificates recognizing 25 years of employment with the State of California have been awarded to four veteran Cal Poly employees. The 25-year pins and certificates were presented by President Robert E. Kennedy, during the 1976 Fall Conference. Those honored were: Grace E. Arvidson (Secretary to the president), Everett M. Chandler (Dean of Students), David M. Grant (Associate Dean, Academic Planning), Francine A. Hapgood (Secretary, Director of Business Affairs, retired), Edgar A. Hyer (Head, Agricultural Management), and Richard F. Johnson (Head, Animal Science).



#### FOLK DANCERS PERFORM IN VARIED FARE



An ancient, ritual war dance of Adjaristan will be combined with dances of the Appalachian Mountains during a performance of the Khadra Ethnic Music and Dance Ensemble at Cal Poly on Saturday (Oct. 16). The dance performance, to be held in the Cal Poly Theatre at 8 pm, will be preceded by a 1 pm dance workshop in Chumash Auditorium. Both appearances are sponsored by the International Folk Dance Club. The public is invited.

Admission to the dance performance will be \$3, with a \$2 fee for the workshop.

The dancers of the Khadra Ensemble demonstrate versatility in the ease with which they shift between vastly different cultures and their styles of dance. Not satisfied with just a technically accurate reproduction of authentic steps, the dancers interweave dance, music, staging, and costuming and bring the whole to life with their understanding and enthusiasm. In its five years of existence, the ensemble has performed at colleges, fairs, banquets, and folk festivals throughout the state and in Nevada.

The troupe's more than 30 dancers represent a broad spectrum of experience in music, theatre, folklore, and practically every kind of dance from tap to classical ballet.

Graham Hempel, a former soloist with the Don Cossack Chorus and Dancers, is director of the group. A highlight of the Khadra Ensemble repertoire is its unusual suite of dances from the Caucasus, a mountainous region of the Soviet Union located between the Black and Caspian Seas. During the afternoon workshop, Hempel will teach interested persons the dances of Russia, Soviet Georgia, Hungary, and the Appalachians.

#### GROUP COUNSELING PROGRAM - FALL QUARTER

The Counseling Center's Fall Quarter group counseling program for students will begin on Monday (Oct. 4). The group offerings for this quarter are: Assertive Behavior, Meditation, "Getting Together," Holistic, "I-Hate-Public Speaking" Group, Paths to Self, and Reaching Out. The groups meet for two hours each week throughout the quarter and are directed toward students' self-development. Students may obtain further information or sign up for any of the groups by coming into or calling the Counseling Center, Adm. 211, Ext. 2511.

#### DISABLED STUDENTS PROGRAM GROWS AND MOVES

Robert V. Bonds has begun new duties as coordinator of disabled students programs at Cal Poly according to Everett M. Chandler (Dean of Students). A member of the Activities Planning Center staff since 1972, Bonds began his new assignment on Monday (Sep. 27). Dr. Chandler said he has been assigned to the university's Special Services Department where he will work with students and other members of the faculty and staff in developing and carrying out programs for disabled students.

Newly formed as part of Cal Poly's Student Affairs Division, the Special Services Department combines the function of the former Educational Opportunity Program Office (EOP) with the Student Community Services and Disabled Students Programs. The department is headed by W. Carl Wallace, EOP director at the university for the past five years. Both the Student Community Services and Disabled Students Programs have been operated as part of the Activities Planning Center for the past several years. Dean Chandler said funds for coordination of campus programs for disabled students became available on July following enactment of new legislation.



### POLY COWBOY AGAIN NUMBER ONE

Tom Ferguson, the Cal Poly alumnus who first earned the all-around cowboy title of the world in 1974, has set a new all-time record for money earned by a rodeo performer in a single season. With a month still left in the 1976 season, Ferguson has earned \$72,824, the largest sum ever earned by one rodeo performer in one season. Ferguson set the previous record of \$66,929 in 1974. The youthful champion, who now makes his home in Miami, Okla., also is well on the road to setting records for earnings in calf roping and steer wrestling. He is assured of a berth in the National Finals rodeo in Oklahoma City in December.

Ferguson was a member of three National Intercollegiate Rodeo Association championship teams while a student at Cal Poly from 1968 to 1973. The 25-year-old calf roper and steer wrestler commands a \$34,860 lead over the nearest contender, Joe Alexander. The month remaining in the 1976 season includes the big money rodeos at Oklahoma City, Tulsa, Portland, Dallas, Billings, and the Cow Palace in San Francisco. For the first time this year, the world's champion cowboys will be determined by their record in the National Finals alone. With success at the big money rodeos in October and a win at the National Finals, Ferguson could become the first rodeo performer to earn \$100,000 in a single season.

### NATIONAL SCIENCE FOUNDATION EDUCATION PROGRAMS

The Education Directorate of the National Science Foundation has a number of programs to support curriculum changes in the sciences. Depending on the emphasis, these programs will support equipment purchases, student training, and curriculum changes and innovations in areas ranging from engineering to social science and architecture. Because the variety of programs is so large, Robert A. Lucas, (Coordinator, Research Development) will hold a special meeting to discuss the opportunities available. That meeting will be held on Wednesday (Oct. 6) from 5 pm to 6 pm in Science A04.

### CRANDALL POOL HOURS SET

Mary Lou White (Head, Women's Physical Education) has announced that Crandall pool opened for recreational swimming beginning Monday (Sep. 27). Hours will be: Monday through Friday, 5 pm to 6 pm (for faculty, staff, and students only); Saturday and Sunday, 2 pm to 4 pm (for faculty, staff, students, and their dependents). Dependents 12 years old and under must be accompanied by a parent.

### SEPTEMBER SALARY WARRANTS WILL BE AVAILABLE ON THURSDAY

September salary warrants for faculty and staff of the university will be available at 3:30 pm. on Thursday (Sep. 30), the last day of the pay period. Warrants batched by department may be picked up at the Cashier's Office, Adm. 131-E, and those picked up on an individual basis may be picked up in the Business Affairs Division Office, Adm. 114, after that time.

### RETIREMENT COFFEE FOR BARNES

Edith A. Barnes (Poultry Technician) retired effective Sep. 24 after 16 years at Cal Poly. All faculty, staff, as well as emeriti of the university are invited to a retirement coffee and cake reception in Ag. 138 on Friday (Oct. 1) from 2 pm to 4 pm.



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

Robert E. Alberti and Michael L. Emmons (Counseling Center) presented a program titled "Assertive Behavior Training: Who, What, When, Where, Why, Whether (and, if so, How)" at the Eighth Annual Southern California Conference on Behavior Modification, Oct. 22-24.

Cindy L. MacDonald (Transportation Services) will appear on ABC television network program "Lets Make a Deal" at 7:30 p.m. on Saturday (Oct. 2). The program, which will be seen locally on Channel 3 and 7 was filmed in Las Vegas last August. Cindy won a number of prizes, totaling over \$2,300.

Walter E. Rice (Economics) received a grant from the General Electric Foundation to participate in the University of Chicago "Applied Economics Conference." The conference was held at the University of Chicago, Aug. 1 through 20.

Alan L. Foutz (Crop Science) has published an article titled "Relationship between physiological and morphological characteristics and yield of nondormant alfalfa clones" in Agronomy Journal, Vol. 68, No. 4, July-August 1976.

Louis D. Pippin (Education) is the author of a newly-published book, titled Self: In Learning and Teaching. The book approaches the psychology of teaching and learning from the Humanistic, Perceptual, and Social frames of reference. Dr. Pippin states that the book is directly related to the development of the competencies and attitudes necessary to good teaching. The book is published by Kendall/Hunt of Dubuque, Iowa and is available in the El Corral Store. Dr. Pippin also recently presented a workshop on "The Improvement of Human Relations in Industry" in San Francisco for the Department of Industrial Relations.

Paula R. Scott (Library) attended the American Translators Association Conference at Stanford, Aug. 1-7. She stayed on campus at Sterne Hall and attended meetings on translation techniques and aids to translation, which included the Lockheed data bases. The attendees visited the translation section of Wells Fargo Bank in San Francisco and Ad-Ex, a translation firm in Portola Valley. Paula visited with Cal Poly social sciences faculty who were at Stanford for another conference.

Raymond D. Jarrard (Education) gave a talk titled, "Collective Bargaining and Public Relations," to the Fall Leadership Conference for chapter presidents of the California Teachers' Association. This conference was held in Santa Maria and involved the presidents of associations from both San Luis Obispo and Santa Barbara Counties.

Steven H. Yoneda (Men's Physical Education) coordinated the First Cal Poly Workshop Sports Medicine Clinic from Aug. 2-6. On-campus speakers included David S. Zarek, M.D. (Health Center) and Marjorie Cho (Home Economics).

Donald L. McCaleb (Public Affairs Officer) was the speaker for a luncheon meeting of the Kiwanis Club of San Luis Obispo recently. McCaleb discussed his impressions of the Grand Jury's role in local government. He was a member of the San Luis Obispo County Grand Jury from July 1975 through June 1976.

John B. Wordeman (Head, Graphic Communications) participated in Mini-GraphComm USA on Sep. 15, as a guest of Printing Industries Association, Inc. in Los Angeles. This event recapped the New York GraphComm USA for the West Coast.

Stephen W. Mott and Herschel L. Apfelberg (Graphic Communications) hosted a three-day Kodak Seminar for technical service personnel Sep. 15-17. Fifteen attendees came from the midwest and east coast for a concentrated course in web offset press technology. Kodak now intends to send all of their technical representatives to Cal Poly for this training.



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-A, (\$673-\$804/month), Library, Academic Affairs Division. Duties: charging and discharging reserve materials; shelf-reading; typing cards for card files and catalog; working with senior projects; and various clerical functions. Requirements: high school graduate, 1 year of clerical experience, type 45 wpm, and must have taken the General Clerical Test. Hours: flexible 40-hour work week (some evening and weekend hours). Closing date: 10/7/76.

Clerical Assistant II-B, (\$503.30-\$644.25/month), Political Science, Division of Social Sciences. (Three-fourth-time). Duties: type and duplicate exams, course outlines, curriculum, and other material; take dictation; reception; and various other clerical duties. Requirements: high school graduate, 1 year of clerical experience, type 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Hours: 11 a.m. to 5 p.m., Monday through Friday. Closing date: 10/7/76.

Student Affairs Trainee (Program Coordinator), (\$932-\$1020/month), Housing, Student Affairs Division. Duties include administration, education and activities coordination for the Housing Program; and participation in the Residence Halls Consultant Crisis Intervention Team. Requirements: college or university graduate, preferably with a master's and major in behavioral sciences or business administration. Flexible 40-hour work week with periodic evening work. Closing date: 10/14/76.

Clerical Assistant II-A, (\$336.50-\$402/month), English, School of Communicative Arts and Humanities. (Half-time). Duties: typing, duplicating, filing and other various clerical functions. Requirements: high school graduate, 1 year of clerical experience, type 45 wpm, and must have taken the General Clerical Test. Closing date: 10/7/76.

Clerical Assistant II-B, (\$359.50-\$429.50/month), Athletics, School of Human Development and Education. (Half-time, temporary-help). Duties: various clerical functions. Requirements: high school graduate, 1 year of clerical experience, type 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Hours: 8 a.m. to 12 noon. Closing date: 10/7/76.

Student Affairs Assistant I, (\$1020-\$1225/month), Financial Aids, Student Affairs Division. Duties: Financial Aid application processing, counsel to students, and preparation of complex reports. Requirements: 1 year of experience in Financial Aid (a Master's Degree may be substituted for this experience). Position available 11/15/76. Closing date: 10/21/76.

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Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Tuesday (Oct. 5) in the Public Affairs Office, Adm. 210. Copy intended for Cal Poly Dateline is due in the Public Affairs Office by 12 noon on Wednesday (Oct. 6).





# CAL POLY ALUMNI

## ALUMNI ASSOCIATION MEMBERSHIP OFFER

The Cal Poly Alumni Association invites all those who have graduated or attended the University, members of the faculty and staff, as well as parents or friends of the University, to take an active interest in the Association. Memberships are available on an annual, partial payment, or full lifetime basis in the Association, which has been the traditional tie between former Cal Poly students and the University for over 70 years.

The benefits of a lifetime membership in the Cal Poly Alumni Association include: a personal membership card and Alumni decal; *Cal Poly Today*, the alumni-oriented publication; special discount cards to unique tourist attractions; helping maintain a list of former students (to help old friends to keep in touch); group insurance policies to members; and aid to deserving students through scholarships and loans. The future direction of the Alumni Association will be dictated by the needs of future University alumni and friends. Many will want to be a part of that future. Memberships can be arranged in the Alumni Services Office, Adm. 210, or by calling Ext. 1261. For your convenience, a membership request coupon is included below.

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Please issue a membership in the Cal Poly Alumni Association to:

NAME \_\_\_\_\_

MAJOR (if attended Cal Poly) \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_  
(City) (State) (Zip) Social Security No. \_\_\_\_\_

Annual - \$5.00      Partial payment (life) - \$10.00      Life - \$50.00

☐ I enclose check for \$ \_\_\_\_\_ payable to California Polytechnic State University Alumni Association.

☐ Please bill my charge account.      ☐ Mastercharge      ☐ BankAmericard

Account No. \_\_\_\_\_ Exp. Date \_\_\_\_\_ Amt. \_\_\_\_\_

Signed \_\_\_\_\_



# encouraging notes

September 30, 1976

ALTERNATE ENERGY RESOURCES INSTITUTE. On Saturday, October 9, at 9:00 a.m. in Administration Building Room 301, a meeting will be held to discuss the feasibility of establishing an institute for research and curriculum development relating to alternate energy resources.

The institute would coordinate the development of proposals relating to alternate energy resources, including alternate fuel resources, solar energy, ocean and wind energy, and the development of fuel-conserving machinery. The institute would also serve as an interface between Cal Poly and potential sponsors and assist in the administration of the projects.

All who are interested in the establishment of such an institute are invited to attend. A draft of a set of institute guidelines proposed by Dr. Frank Hendel, Aeronautical Engineering, is available from the Office of the Coordinator, Research Development.

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NSF - COMPREHENSIVE ASSISTANCE TO UNDERGRADUATE SCIENCE EDUCATION (CAUSE). The CAUSE program encourages the improvement in quality and effectiveness of undergraduate science education in institutions of higher education. The primary objectives of the CAUSE program are to: (1) strengthen the resources for undergraduate science education components; (2) improve the quality of science instruction at the undergraduate level; and (3) enhance the capability of institutions for self-assessment, management, and evaluation of their science programs. *DEADLINE: December 3, 1976.*

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NSF - STUDENT-ORIGINATED STUDIES. This program is designed to provide teams of college students with experience in independent, self-directed study in which they initiate, plan and direct their own research activities with minimal supervision. Each project is problem-oriented and seeks an understanding of and possible solutions to a local problem that has immediate relevance to society. *DEADLINE: December 1, 1976.*

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NSF - LOCAL COURSE IMPROVEMENT FOR UNDERGRADUATE SCIENCE EDUCATION. The basic objective of this program is to insure that students are introduced to currently important scientific and technological developments, and to improved approaches to the presentation of scientific concepts. The program assists individual science faculty members or small groups of them in making relatively short-term concentrated efforts to produce specific changes in their undergraduate science instructional programs. *DEADLINE: November 5, 1976.* (SE 77-34)

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NSF - NATO POSTDOCTORAL FELLOWSHIPS IN SCIENCE. Awards are made to U. S. citizens for full-time postdoctoral study in science in countries that are members of NATO (other than the United States) or in other countries which cooperate with NATO. This program is designed primarily for applicants who have received their doctorates within the past five years. *DEADLINE: November 22, 1976.* (SE 77-17)

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NSF - BIOLOGY SPECIALIZED RESEARCH EQUIPMENT. The NSF has announced a deadline of *December 1* for applications for specialized research equipment in environmental biology. For further information, contact: Division of Environmental Biology; National Science Foundation; 1800 "G" Street, NW; Washington, DC, 20550. Telephone: (202) 632-4338.

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USOE - GROUP PROJECTS ABROAD. The purpose of this program is to help universities, colleges, community and junior colleges to improve their programs in modern foreign languages, area studies, world affairs, and/or intercultural education by means of group projects overseas. It is anticipated that the deadline for receipt of applications by the Application Control Center will be about *November 5, 1976*.

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USOE - FACULTY RESEARCH ABROAD. The purpose of this program is to help U. S. higher education institutions strengthen their programs of language and area studies by: (1) enabling key faculty members to remain current in their specialties, and (2) supporting projects to update, improve, and develop curriculums and materials. The period of study must be at least three months and not more than twelve months. The anticipated deadline is *November 5, 1976*.

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USOE - SUMMER SEMINARS ABROAD. Opportunities for summer study abroad for both two- and four-year college faculty have been announced by the Office of Education. The seminars will be supported under the Fulbright-Hays program.

Germany - for two and four-year college instructors and assistant professors teaching the German language and related areas including history and civilization.

Italy - college instructors and assistant professors of the classics.

India and Pakistan - college instructors and assistant professors of world or Asian history.

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INTERNATIONAL RESEARCH AND EXCHANGES ABROAD--Grants for Collaborative Projects. 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. Write: International Research and Exchanges Board; 110 East 58 Street; New York, NY, 10022. *DEADLINE: October 31, 1976.*

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NIA - NEW INVESTIGATOR SPECIAL AWARDS FOR AGING RESEARCH. National Institute on Aging, *November 1* and *March 1* deadlines for Special Research Award Program, to encourage newly trained investigators to do research in behavioral, social and biomedical sciences related to aging. Awards specifically for newly trained investigators who do not hold and have not held other Public Health Service research support. Contact: L. Smith; C-703; Landow Building, NIH: Bethesda, MD, 20014.

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ROCKEFELLER INTERNATIONAL RELATIONS FELLOWSHIPS. The next deadline date for the receipt of applications for International Relations Fellowships through the Rockefeller Foundation is *December 1, 1976*. The fellowship program will support approximately 20 individuals with grants up to \$30,000 each to cover maintenance, travel and other approved costs. The fellowship program has three principal objectives: (1) to identify and assess the critical and emerging issues which are likely to shape the international community in the decade ahead; (2) to encourage fresh thinking about sources of conflict in an interdependent world and the capabilities of contemporary societies coping with emerging conflict; and (3) to help develop additional expertise in the above areas.

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ARCA FOUNDATION - FOUNDATION GRANTS. The Arca Foundation is a general purpose foundation; however, during recent years, the Directors have selected as areas of principal interest the following: population problems and nonformal or non-traditional educational programs that relate to population and nutrition issues. Applications for grants should be a brief one or two page outline of the project. Write: Arca Foundation, 100 East 85th Street, New York, NY, 10028.  
*DEADLINE: October 15, 1976.*

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ACTION - FALL DEADLINE. The University Year for ACTION Program will soon be announcing a late October or early November deadline for receipt for support in FY 77. Both two- and four-year institutions are eligible for support.

University Year for ACTION has two basic objectives: (1) to alleviate poverty through the application of a university's resources to the problems of poor people; and (2) to assist universities in experience-based learning. These objectives are accomplished by having students earn academic credit for working in poverty areas. ACTION pays volunteer allowances and provides a grant to cover salaries, travel, per diem and other costs which the university or community group incurs as a direct result of the program.

For further information contact: University Year for ACTION; ACTION; Room M-1207; 806 Connecticut Avenue, NW; Washington, DC, 20525.

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NSF CHAUTAUQUA-TYPE SHORT COURSES PROGRAM. The NSF Chautauqua-Type Short Courses Program is a cooperative enterprise in which the NSF, the AAAS, 13 Field Centers located at institutions of higher education, Course Directors, and college teacher participants and/or their institutions share the various aspects of the expense and the instructional and administrative functions.

The primary objective of the program is to make available to college teachers of science as quickly as possible new knowledge, materials, and techniques of all teachers of undergraduate science students. An effort is made, however, to present as broad a program as possible on interdisciplinary problems and techniques for the presentation of instructional materials, including the applications of science and mathematics in college teaching.

Further information is available in Administration 317.

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DEADLINES:

October 14	NATIONAL ENDOWMENT FOR THE HUMANITIES	Summer Stipends
15	NATIONAL ENDOWMENT FOR THE HUMANITIES	Public Programs; Media/Museums
15	OFFICE OF EDUCATION	EPDA
15	NATIONAL SCIENCE FOUNDATION	Restructuring the Undergraduate Learning Environment (RULE)
15	OFFICE OF EDUCATION	Cooperative Education
15	NATIONAL ENDOWMENT FOR THE ARTS	Printmakers Fellowship Program
15	NATIONAL ENDOWMENT FOR THE ARTS	Crafts Workshop Program
15	NATIONAL ENDOWMENT FOR THE ARTS	Crafts Exhibition Aid
15	AMERICAN COUNCIL OF LEARNED SOCIETIES	Fellowships
15	NATIONAL ENDOWMENT FOR THE ARTS	Fellowships for Artists
15	ENERGY RESEARCH & DEVELOPMENT ADMINISTRATION	Faculty Development Projects in Energy
15	NATIONAL SCIENCE FOUNDATION	Latin American Cooperative Science Program (NSF 73-16)
20	OFFICE OF EDUCATION	Fulbright-Hays Group Projects Abroad Grants
22	COUNCIL OF LIBRARY RESOURCES	Academic Library Management Intern Program
November 1	ENERGY RESEARCH & DEVELOPMENT ADMINISTRATION	Traineeships for Graduate Students in Energy-Related Engineering Grants
1	AMERICAN COUNCIL OF LEARNED SOCIETIES	Travel Grants
1	NATIONAL INSTITUTE OF MENTAL HEALTH	Rape Research
1	NATIONAL INSTITUTE OF HEALTH	Aging Research
1	NATIONAL SCIENCE FOUNDATION	NATO Postdoctoral Fellowships
1	NATIONAL ENDOWMENT FOR THE HUMANITIES	Educational Project Grants
1	NATIONAL SCIENCE FOUNDATION	US/France Exchange of Scientists
1	SOCIETY OF SIGMA XI	Grants-in-Aid for Scientific Research
3	NATIONAL ENDOWMENT FOR THE ARTS	Architecture & Environmental Arts
12	NATIONAL ENDOWMENT FOR THE ARTS	Work Experience Internship Program
15	NATIONAL SCIENCE FOUNDATION	Regional Research Conferences in the Mathematical Sciences
15	AMERICAN COUNCIL OF LEARNED SOCIETIES	Study Fellowships
19	NATIONAL SCIENCE FOUNDATION	Women in Science
29	NATIONAL SCIENCE FOUNDATION	Graduate Fellowships