

# cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
SAN LUIS OBISPO, CALIFORNIA 93407

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October 28, 1976

## *New School* **BUSINESS DEPARTMENTS NAMED**

Accounting, Business Administration, Economics, and Management are the titles chosen for the four departments in the recently-formed School of Business at Cal Poly. The designations were announced by Hazel J. Jones (Vice President for Academic Affairs) who said selection of the names is the final step in reorganization of the former School of Business and Social Sciences. The Business Administration and Economics Departments that were part of the former school were assigned to the new School of Business, and the management and accounting programs that had been part of the Business Administration Department were separated to form separate departments.

As now organized, the School of Business includes four departments -- Accounting, Business Administration, Economics, and Management. It has 1,250 students enrolled in courses leading to the Bachelor of Science Degrees in Business Administration and Economics and the Master of Business Administration Degree. Dr. Jones pointed out that the reorganization was originally suggested by the faculties of the Business Administration and Economics Departments. She said their interest was based on their desire to qualify the degree programs in business for professional accreditation.

### HOME ECONOMICS CAREER SEMINAR

Twenty six professionals in home economics and related fields are taking part in a two-day career seminar at Cal Poly yesterday and today (Oct. 28). Panel discussions on such topics as "Job Interviews and Opportunities for Home Economics Graduates" and "Curriculum and Work Experience" are being featured throughout the seminar, which is held in various rooms of the Mathematics and Home Economics Building.

Also scheduled were informal classroom discussions in which the visiting professionals talked about their own jobs and responsibilities. Guest speaker for the luncheon yesterday was Mrs. Catherine Welsh, chief of the State Bureau of Homemaking Education. Patsy Piercy, spokeswoman for the student-faculty committee which planned the seminar, said the purpose of the event is to help develop a beneficial interchange of ideas between the business world and the educational environment at Cal Poly.

### OCTOBER SALARY WARRANTS WILL BE AVAILABLE ON MONDAY

October salary warrants for faculty and staff of the university will be available at 3:30 pm on Monday (Nov. 1), 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.



### DETAILS ON THANKSGIVING HOLIDAY

Donald L. Shelton (Director, Personnel Relations) has announced that Friday (Nov. 26) has been designated as a university holiday so that Cal Poly support staff, administrative, and B-10 and B-12 academic employees may enjoy a four-day Thanksgiving weekend. In accordance with past policy, a CTO (Compensating Time Off) day will be used in exchange for Friday. Since Oct. 13 (Columbus Day) was a work day at Cal Poly, it will be used.

Employees who do not have eight hours of CTO credit may work on Friday with supervisor approval, or may use available vacation credits in order to avoid a dock in their pay. As reflected by the academic calendar published as part of the Cal Poly Catalog, Wednesday (Nov. 24) will be an academic holiday for students and academic year faculty.

### TIME OFF -- ELECTION DAY

All employees are reminded that Nov. 2 is a normal work day at Cal Poly. Those persons who do not have sufficient time to vote outside working hours may be granted without loss of pay not more than two hours for this purpose. Such time off may be approved at least two days in advance by the dean or division head and shall only be at the beginning or end of the work shift. If an employee has any questions, contact the Personnel Office at Ext. 2236.

### OPEN ENROLLMENT PERIOD FOR HEALTH PLANS CONTINUES

There is presently an open enrollment period through Nov. 15 for health benefit plans available to Cal Poly employees under the Meyer Geddes Act (plans include Blue Cross/Blue Shield, Cal Western-Occidental, United Foundations for Medical Care, and ACSUP-American National Insurance Company). Employees and eligible family members previously precluded from enrollment without a health statement may now be enrolled without the normal restrictions during the open enrollment period. The effective date of all changes will be Jan. 1, 1977. Employees planning to make changes in health benefit plans must come to the Personnel Office, Adm. 110, to complete necessary documentation.

### INFORMATION SEMINARS ON BUDGETS

The Budget Office staff will be conducting two seminars to inform campus users of the budget reports and the Allotment Expenditure Ledger printouts. These seminars are intended for those who were unable to attend those offered during the summer schedule. Seminars will be held on Wednesday (Nov. 3) at 3:30 pm and Friday (Nov. 5) at 10:30 am in Ag 241. Personnel who maintain departmental accounting records or are concerned with reviewing the reports, and faculty who have been designated as project coordinators for various independent operations grants should make every effort to attend one session or the other.

### HEART FUND ESTABLISHED IN SZIGETHY MEMORY

The many friends of Nicholas Szigethy, former Acquisitions Librarian at Cal Poly, were saddened to hear of his death on Sept. 24, in Vienna while on an extended vacation in Europe. Nick joined the library staff in 1961 and retired in Sept. 1975. A memorial mass was held for him at Nativity of Our Lady Church in San Luis Obispo on Oct. 15. A memorial fund in his name has been established with the Heart Association, 774 Marsh St., San Luis Obispo. Anyone wishing to contribute, should send their check directly to the association, in his name.



TV NEWS FEATURES POLY

A program produced by students in the Journalism Department will air on Cable Channel 8. The "Cal Poly News Digest" is of interest to the public, utilizing film, video tape, and live interviews. The thirty minute program can be seen over all cable systems or leased by the Central California Communications Corporation (Cayuse, Five-Cities, Morro Bay, Paso Robles, San Luis Obispo). Faculty and staff members who would like to contribute ideas for the program should communicate with Ed Wilson, student producer, at the Journalism Department.

PRE-LAW CONCENTRATION APPROVED

Following approval by the Chancellor's Office and recommendation by Hazel J. Jones (Vice President, Academic Affairs), a new Concentration titled "Pre-Law" has been approved by President Robert E. Kennedy. The Concentration falls under the Bachelor of Science Program in Political Science, and will be implemented at the beginning of the Fall quarter of 1977. The Concentration has been assigned a HEGIS code of 22071.

COMPUTER CENTER HOURS FOR NOVEMBER

The Computer Center will be open to process student and faculty programs 24 hours a day from Sunday at 8 am through Saturday midnight for the month of November, including the Veterans Day holiday. The Computer Center will be closed from Wednesday (Nov. 24) at 5 pm until Saturday (Nov. 27) at 8 am in observance of the Thanksgiving Day holiday. These hours will apply to the keypunches, documentation and input/dispatch bins in the Computer Science 101 and 102-103.

FOOD HOURS ON VETERANS DAY

The following operating hours will be in effect in food service facilities on Veterans Day (Nov. 11):

|                   |           |                       |
|-------------------|-----------|-----------------------|
| ing Room          | Breakfast | 9:30 am - 12 noon     |
|                   | Dinner    | 5 pm - 7 pm           |
| Snack Bar         | Lunch     | 12 noon - 3 pm        |
|                   | Dinner    | 3 pm - 6 pm           |
| Sandwich Plant    |           | CLOSED                |
| Burger Bar        |           | 12 noon - 12 midnight |
| Ice Cream Parlor  |           | CLOSED                |
| Staff Room        |           | CLOSED                |
| Grande Cafeteria  |           | CLOSED                |
| Grande Restaurant |           | CLOSED                |

HALLOWEEN DINNER AT VISTA GRANDE

Everett Dorough (Director, Foundation for Services) has announced a special Halloween dinner at Vista Grande Restaurant on Friday (Oct. 29) between the hours of 5 pm and 9 pm. The menu will consist of: French onion soup, special Halloween salad, prime rib of beef, jus, baked potato with sour cream and chives, green beans with bacon, Cal Poly French bread and butter, apple and pumpkin pie, and coffee, tea or milk. Cost of the dinner is \$4.95 per person and reservations may be obtained by calling Ext. 1204.



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

Charles M. Slem (Psychology) was awarded the 1976 National Psychological Consultants to Management, Watson-Wilson Consulting Psychology Research Award (Runner-up) for his research titled: "Community Mental Health Need Assessment - Prediction of Census Tract Utilization Patterns Using the Mental Health Demographic Profile System." In addition, he presented an Invited Address to the 84th annual American Psychological Convention held in Washington, Sep. 5.

Wallace R. Reynolds (Engineering Technology), Thomas W. Carpenter (Aeronautical Engineering) and William R. Phillips (Architectural Engineering) participated in the National Leadership Conference held by the American Society for Engineering Education in Alexandria, Va., on Oct. 13-16. Carpenter is Program Chairman for the Cooperative Education Division. Phillips is Vice Chairman of the Architectural Engineering Division and Reynolds is Chairman of the Pacific Southwest Section of ASEE. Reynolds also conducted the fall meeting of the Executive Committee of the PSW Section in Los Angeles on Oct. 8.

John R. Healey (Journalism) and eight photojournalism students attended the 19th annual National Press Photographers Association's flying short course held in San Francisco, Oct. 23.

Alonzo N. Smith (History) attended a conference, "Building a Black Academic Community," sponsored by the California Black Faculty and Staff Association, held at California State University, Los Angeles, Oct. 14-15. The conference dealt with such topics as affirmative action, EOP, and Black Studies.

Barton C. Olsen (History) has been appointed chairman of the Educational Policies Committee of the Statewide Academic Senate.

Robert J. Huott and Arthur H. Frietzsche (both English) participated in the Medieval Romance Literature Section of the Third California Convocation in Romance Philology, held at the University of California, Santa Cruz, on Oct. 23.

Norman D. Alexander (Library Director) was awarded honorary life membership in the Pacific Northwest Library Association at the organization's annual meeting in Aug. Dr. Alexander has served as Treasurer, Vice President, and program planner for the last two conferences.

Annjennette S. McFarlin (Speech Communication) was appointed to the Human Relations Commission of the City of San Luis Obispo, Oct. 15. Dr. McFarlin received the confirmation of this appointment via a letter from Mayor Kenneth E. Schwartz.

James W. Reed (Speech Communication) has been appointed to the Research and Projects Development Committee of the Instructional Communication Division of the International Communication Association.

Walter P. Schroeder (Head, Education) chaired a section meeting dealing with cooperative education at the Northern California Conference of the California Work Experience Educators Association held in Santa Rosa, Oct. 15-16.

Chuan S. Yeh (Electronic and Electrical Engineering) presented a paper titled "Film Resistor Characteristics and Design," at the International Microelectronics Symposium held in Vancouver, Oct. 11-13. The paper has been published in the Proceedings of the International Microelectronics Symposium, 1976.



O...WHAT...WHEN...WHERE??? (continued from page 4)

Patricia L. Hamer and Ronald J. Quinn (both Ornamental Horticulture) returned from a three-week trip traveling to Japan, Malaysia, Singapore and Hawaii. During their two-week stay in Malaysia, they presented a four-day landscape design seminar in the capital Kuala Lumpur (Sep. 9-14). Lectures and workshops were held with third and fourth-year architecture and planning students at Universiti Teknologi Malaysia and Institute Teknologi Mara. Included were faculty discussions on curricula planning proposals for implementation of landscape architecture programs for Malaysian design students. Seminar arrangements were made in conjunction with Peach Corps Malaysia.

Loren L. Nicholson (Journalism) attended a magazine and book publishing conference at Stanford University Sep. 20-24. Sessions were conducted by national magazine editors and book publishers.

Mead R. Johnson (English) spoke on the subject of annual reports to the Management Seminar for University/College Health Services meeting at Cal Poly on July 23.

Walter E. "Walt" Elliott (Physics, on leave) recently spent several days as a science curriculum consultant at Junipero Serra High School in San Diego. Dr. Elliott is co-developer and editor of the Career Oriented Pre-technical Physics Curriculum which Junipero Serra adopted.

James S. Kalathil (Physics, on leave) attended the International Conference on Cloud Physics (July 26-30) and the World Conference on Weather Modification (Aug. 2-7). Both meetings were held in Boulder, Colorado. Mr. Kalathil also published, in the September issue of the Bulletin of the American Meteorological Society, a paper dealing with an unusual cloud formation which he observed while conducting research at the University of Nevada, Reno.

Edgar J. Carnegie (Agricultural Engineering) and Manager of the Solar Energy Project, has returned from Washington where he attended a conference with the Energy Research and Development Administration (ERDA). At the conference, Carnegie presented a report of Phase I progress on the research and design aspects of the Solar Project. Phase II of the project was also discussed which involves the construction aspects of the solar dehydration unit.

Walter E. "Walt" Elliott (Physics, on leave) attended the September meeting of Metroplex Science Educators Association, in Dallas. Topics related to environment and science education highlighted the meeting.

Arthur L. Schwartz, Jr. (Business Administration) presented a paper titled "Price Adjustment to New Information: The Role of the Specialist in Temporary Trading Suspensions in New York Stock Exchange Stocks," at the Financial Management Association meetings in Montreal, Oct. 13-16. The paper was co-authored with Michael Hopewell of the University of Oregon.

Allen J. Settle (Political Science) spoke to the San Luis Obispo Chamber of Commerce on land use planning, legislation, litigation and current city planning issues on Oct. 14.

Robert E. Alberti (Counseling Center) has been notified by the Italian education journal La Scuola of the publication of his paper on vocational guidance in the United States. The paper is part of a special issue of the journal on the theme "Vocational Guidance: Theoretical Aspects and Operative Methods" which has been in preparation since 1973. La Scuola is edited and published in Brescia, Italy.



CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

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

Lecturer, (\$1032-\$1360/month based on 15-unit teaching load - salary will vary dependent upon qualifications and assignment), Speech Communication, School of Communicative Arts & Humanities. Position may be part time or full time for Winter 1977 and Spring 1977 Quarters, contingent upon enrollment and available funds. Teaching basic Speech Communication courses. Doctorate & experience preferred. Closing date: 12/1/76.

Lecturer, (\$9048-\$10,880/two quarters), Education, School of Human Development & Education. Winter and Spring Quarters only. Duties: teaching courses in early elementary education and curriculum and instruction; and supervision of student teachers. Doctorate degree preferred and successful teaching experience in public or private schools. Competent in diagnosis, prescription and evaluation. Closing date: 11/15/76.

Assistant Professor, (\$13,572-\$16,320/academic year, dependent upon qualifications), Psychology, School of Human Development & Education. Requirements: Ph.D. in psychology and a minimum of 2 years of full-time teaching experience at the university. Applicants should be primarily interested in teaching students of various technical backgrounds who are not majoring in psychology. Teaching duties include courses in personal development, abnormal psychology, behavior in organizations, & effective study skills, as well as a team taught, multi-media course. Closing date: 2/1/77.

Department Head, (\$23,700-\$30,024/year, depending upon qualifications), Ornamental Horticulture, School of Agriculture & Natural Resources. Duties: administers teaching, production sales facilities in the areas of floral design, nursery production, floriculture, landscape design, construction & maintenance. Teaching is 1/2 of assignment. Requirements: advanced degree in ornamental horticulture or related field, doctorate preferred, & demonstrated administrative ability. Commercial experience desirable. Must be committed to a practical approach to horticultural education. 12-month appointment. Apply to: Dr. H.C. Brown, Dean, School of Agriculture & Natural Resources.

Lecturer, (\$13,572-\$16,320/annually), Mathematics, School of Science & Mathematics. Duties: teaching undergraduate courses in mathematics, including some night classes. Requirements: Doctorate in Mathematics or an appropriate field. There is a need for a specialist in Mathematical Optimization. Teaching experience at a career oriented university is desired. Position available Fall Quarter, 1977-78. Closing date: 2/1/77.

Visiting Professor, (\$17,088-\$26,052/annually), Mathematics, School of Science & Mathematics. Candidates are expected to be outstanding teacher/scholars. Department is especially interested in person who has experience in relating "pure" and "applied" mathematics & in removing artificial barriers between them. Teaching load 12 units/quarter (9 units/lecture & 3 unit/seminar). Available Fall Quarter 1977-78 for 1 year only. Closing date: 3/1/77.

(continued on page 7)



FACULTY VACANCIES...(continued from page 6)

Assistant Professor, (\$13,572-\$16,320/annually), Mathematics, School of Science & Mathematics. Duties: teaching undergraduate courses in mathematics, including some night classes, student advisory activities & committee assignments. Opportunity to teach upper division & graduate courses in specialty as one progresses. Applicants should possess Doctorate in Mathematics or appropriate field. There is a need for a specialist in Mathematical Optimization. Experience at career oriented university desired. Available Fall Quarter, 1977-78. Closing date: 2/1/77.

Lecturer, (\$4524-\$5440/quarter, dependent upon qualifications & teaching load), Chemistry, School of Science & Mathematics. Winter & Spring Quarters, 1977. Three positions anticipated. Duties: teaching undergraduate chemistry lectures & labs. Prefer candidates with Ph.D. in chemistry, biochemistry, or chemical engineering & with professional & teaching experience. Closing date: 12/1/76.

Lecturer, (\$9048-\$10,880/two quarters), Crop Science, School of Agriculture & Natural Resources. Winter & Spring Quarters. A primary responsibility will be to teach courses in invertebrate and vertebrate pest control. The applicant should be prepared to teach other courses in crop science, both upper and lower division. Master's degree in Agronomy or Horticulture with a strong emphasis in invertebrate & vertebrate pest control or a Bachelor's degree and appropriate field experience in this area is essential. Closing date: 11/15/76.

VACANT FOUNDATION STAFF POSITION

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

Cafeteria Worker "C" (\$2.90-3.58 per hour), Food Service Department. Primary duties: Responsibility for compiling and transporting consolidated deposit; responsibility for light clerical work, some typing. Requirements: High school or equivalent and one year of experience in a food service operation dealing with cash handling and cash accountability. Light clerical experience preferred but not required. Applications will be accepted through November 4, 1976.

OFF-CAMPUS POSITION VACANCIES

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

San Diego State University - Director, Admissions and Records. Candidate must have a minimum of ten years of administrative and/or student affairs-related work; possession of a masters degree or its equivalent is a normal requisite. Deadline: December 31, 1976.

The University of Southwestern Louisiana, Lafayette, LA - Dean, College of Commerce. (\$26,000.-\$29,000.) Applicants must have an earned terminal degree in one of the disciplines contained within the College, substantive teaching and administrative experience, and present evidence of scholarly achievement. A record of successful business involvement is desirable.



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 listed 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- (\$673-\$804/month), Public Affairs, Administrative Affairs Division. Duties: updating and maintaining the University Master List by working on deletions, corrections, changes, and additions to the computer files and maintaining authorized printouts. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, and must have taken the General Clerical Candidate Test. Closing date: 11/11/76.

Clerical Assistant II-A or II-B (\$673-\$859/month), School of Architecture and Environmental Design. Temporary help; position will terminate on 3/1/77. Duties: use of word processing equipment, filing, working with student and alumni records, and other various clerical functions. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, and must have taken the General Clerical Test. Closing date: 11/4/76.

Clerical Assistant II-B (\$719-\$859/month), Disabled Student Affairs, Student Affairs Division. Duties: reception, taking dictation, typing, answering and screening correspondence to Disabled Student Affairs Coordinator and various clerical functions. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Closing date: 11/4/76.

Clerical Assistant II-B (\$359.50-\$429.50/month), School of Human Development and Education. Half-time position. Duties: reception, typing, dictation, and other various clerical functions for the Dean and Associate Dean. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Hours: either 8 a.m. to 12 noon or 1 p.m. to 5 p.m., depending upon the individual. Closing date: 11/4/76.

Placement Interviewer (\$891-\$1068/month), Placement, Student Affairs Division. Duties: interviews students; maintains applicant files and job openings, and jobs available. Additional duties may include public speaking, writing and editing employment notices, record keeping and conducting small group meetings. Requirements: high school graduate and 1 year of experience in Placement, Personnel, Vocational Counseling or related work, or a Bachelor's degree. Closing date: 11/4/76.

Clerical Assistant II-B (\$719-\$859/month), Personnel, Administrative Affairs Division. Duties: assisting with receptionist duties, answering telephone, filing, typing and taking dictation. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, shorthand 90 wpm, ability to use dictaphone, and must have taken the General Clerical Test. Closing date: 11/4/76.

PERS REPRESENTATIVE ON CAMPUS

A retirement officer of the Los Angeles area office of the Public Employees Retirement System will be on this campus Dec. 1, 2, 3, for the purpose of conducting individual interviews with members of the Public Employees Retirement System. Employees interested in an interview should contact the Personnel Office. Nov. 11/76.



# encouraging notes

October 28, 1976

PROPOSAL DRAFTS FOR DISCUSSION IN WASHINGTON. The Coordinator, Research Development, will be in Washington, D.C., the week of November 15. If you have a prospectus or proposal for a sponsored activity you would like him to discuss with an agency program officer, please send it in writing to the Research Development Office by Friday, *November 5*.

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NSF - INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM. Each year the NSF holds a competition for matching grants (up to \$20,000) to purchase instructional scientific equipment. This year, Cal Poly will be allowed to submit a maximum of four proposals for the *February 4, 1977*, deadline. Since we can anticipate that more than four units will be interested in applying, an internal competition to select our representatives may be necessary.

To determine whether we will need to do so, we are asking that each unit intending to submit a proposal notify the Research Development Office by Friday, *November 5*. That notification, in memo form should include (1) identification of the equipment to be purchased, and (2) clear indication of the source of matching funds, signed by the head and the dean. (Typically this latter requirement is satisfied by noting that the matching portion of the requested equipment will be placed at the top of the school's equipment list for the following year.)

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DOT - FY 1977 PROGRAM OF UNIVERSITY RESEARCH. The primary purpose of the Program is to insure that the resources of the higher education community are brought to bear effectively on national transportation problems. Specific research problems have been categorized into the following groups: Economics and Regulations, Science and Technology, Operations and System Concepts, Social and Behavioral, Safety and Environment, and University Originated Research Topics. The closing date for receipt of proposals is *December 1, 1976*. Applications and guidelines available in Administration 317.

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USOE - HANDICAPPED RESEARCH & DEMONSTRATION. Two cycles are planned during fiscal year 1977 for U. S. Office of Education's Student Research Program, designed to support research and other activities related to education of the handicapped. Applications must be submitted by *December 1, 1976*, for the first cycle, and by *March 15, 1977*, for the second cycle. Proposals received for the first cycle will not be held over for the second cycle but may be resubmitted.

For information and application forms, write: Research Projects Board, Bureau of Education for the Handicapped, Office of Education, 400 Maryland Avenue, SW, ROP 2012, Washington, DC, 20202.

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USOE - TEACHER CORPS. Applications for Teacher Corps projects must be submitted to U. S. Office of Education by *December 15, 1976*. For program information and application forms, contact: Teacher Corps, Donohoe Building, 400 - 6th Street, SW, Washington, DC, 20202.

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EQUIPMENT

Applications for grants for specialized research equipment in environmental biology--submitted by either a single university or a consortium of schools--must be sent to National Science Foundation by *December 1, 1976*. Applications must include a detailed description of the desired equipment, of the research projects for which the equipment will be used, and of the purpose and significance of the projects. Interested institutions should consult with NSF prior to formal submission of application.

Contact: Division of Environmental Biology, NSF, 1800 G Street, NW, Washington, DC, 20550. Telephone: 202/632-4338.

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ROCKEFELLER FOUNDATION - CONFLICT IN INTERNATIONAL RELATIONS FELLOWSHIPS. The Rockefeller Foundation announces the continuation of this program for 1976-77. These awards support approximately 20 individuals from a variety of countries, academic disciplines and institutional affiliations.

The 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 independent world, and
3. To help develop the additional expertise in the above areas needed to improve policy making and to better inform the public.

Fellowships are for a one-year period; each grant will vary in amount depending on circumstances. DEADLINE: *December 1, 1976*, and *May 1, 1977*.

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NSF - STUDENT ORIGINATED STUDIES. Projects must be student-originated and student-directed. Activity period is limited to 10-12 weeks for a group of 5-12 students. Problem must have immediate relevance to society; the approach to the problem and the search for a solution must be interdisciplinary. Faculty advice may be available to project. DEADLINE: *December 1, 1976*. Further information and application forms available in the Research Development Office.

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NSF - ENGINEERING RESEARCH. Applications for awards under NSF's fiscal year 1977 Engineering Research Initiation Program must be submitted to the NSF by *December 1, 1976*. Program includes two options: OPTION A supports academic research on the college or university campus, with maximum award of \$20,000; and OPTION B involves a two-year grant of \$35,000 maximum for research in a non-academic engineering environment. OPTION B thus provides opportunity for the use of specialized equipment and facilities, the services of highly qualified technicians, access to unique data, and closer contact with practicing professionals.

Eligibility under the program is limited to faculty at the approximately 475 institutions with undergraduate or graduate engineering programs; the NSF grants are aimed at encouraging development of research activities by faculty who have had no previous substantial research support.

Further information, including guidelines (NSF 76-32) and application materials, are available in the Research Development Office.

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ERDA - SOLAR HEATING AND COOLING. ERDA has issued a Program Opportunity Notice (DSE 76-2) for commercial integrated projects for use in demonstrating solar heating and cooling. Proposers are expected to provide a "total capability," i.e., a team consisting of the owner/builder, an architect-engineer, solar system supplier, and other contractors necessary for carrying out the project. Due date for proposals is *November 19, 1976*.

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NSF - SCIENCE FACULTY PROFESSIONAL DEVELOPMENT GRANTS. The NSF has opened competition for grants in its Science Faculty Professional Development Program. NSF will award approximately 150 grants for science faculty professional development in mid-April 1977 to college science teachers to improve the effectiveness and relevance of their teaching and research. The Science Faculty Professional Development Program is a combination of two former NSF programs--(1) Faculty Fellowships in Science Applied to Societal Problems, and (2) Faculty Research Participation.

Awards will be made for study or work in the mathematical, physical, medical, biological, engineering, and social sciences, and in the history and philosophy of science, as well as in interdisciplinary fields.

Grant application materials are now available from NSF. The application deadline is *January 7, 1977*. For copies of the announcement and application materials contact the Science Faculty Professional Development Program, Division of Science Manpower Improvement, NSF, Washington, DC, 20550. Telephone: 202/282-7795.

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NSF - SCIENCE EDUCATION GUIDE. A "Guide to Science Education Programs, FY 1977," providing brief descriptions and appropriate deadlines for each of NSF's 21 education programs, is now available from the Research Development Office.

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NRC - OPPORTUNITIES FOR POSTDOCTORAL RESEARCH, 1977. The National Research Council has announced the NRC Research Associateship Programs for 1977. These programs provide scientists and engineers with opportunities for postdoctoral research in many fields of ATMOSPHERIC & EARTH SCIENCES - CHEMISTRY - ENGINEERING - ENVIRONMENTAL SCIENCES - LIFE SCIENCES - MATHEMATICS - PHYSICS - and SPACE SCIENCES.

Appointments are awarded on a competitive basis to recent recipients of the doctorate and in some programs to senior investigators. Postmark deadline for the applications is *January 15, 1977*. Awards will be announced in April.

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GRANT FOUNDATION - CHILDREN AND YOUTH. The Grant Foundation, a private funding institution, supports programs which give promise of contributing new knowledge on the nature and development of the human mind. Current emphasis is placed on research into the development of children and youth. Preference is given to the support of new research programs in the initial stages of development. Limited support is provided for new programs of training, applied research and service of a significant demonstrable nature, within the program interests of the Foundation. There is no set deadline.

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DEADLINES

November

15 National Science Foundation  
 15 US Office of Education  
 15 US Office of Education  
 19 National Science Foundation  
 29 National Science Foundation  
 29 National Science Foundation

Math Conferences  
 Summer Seminars Abroad  
 Vocational Education  
 Women in Science  
 Graduate Fellowships  
 NATO Postdoctoral Fellowships

December

1 American Council of Learned Societies  
 1 American Council of Learned Societies  
 1 National Endowment for the Arts  
 1 National Endowment for the Arts  
 1 International Research & Exchanges  
 1 National Endowment for the Arts  
 1 International Research & Exchanges  
 1 Department of Transportation  
 1 National Endowment for the Humanities  
 1 National Science Foundation  
 1 National Science Foundation  
 1 National Science Foundation  
 1 National Science Foundation  
 1 US Office of Education  
 6 National Science Foundation  
 10 National Science Foundation  
 15 American Association of University  
     Women  
 15 National Endowment for the Humanities  
 15 National Science Foundation  
 15 US Office of Education  
 20 National Endowment for the Arts  
 31 American Council of Learned Societies  
 31 National Science Foundation  
 31 International Research & Exchanges  
 31 National Wildlife Federation

Chinese & East Asia Studies  
 Fellowships for Recent PhD's  
 Artists' Services  
 Photograph: Exhibition Aid  
 Slavonic Studies Seminar in Bulgaria  
 Design Fellowships/ARCHITECTURE  
 Program with USSR  
 University Research  
 General Research Grants  
 Engineering Research Initiation  
 Graduate Fellowships  
 Specialized Research Equipment for  
     the Bio and Behavioral Sciences  
 Student-Originated Studies  
 Student Research/Ed for Handicapped  
 National Needs Postdoctoral Fellows  
 Research Initiation and Support  
 Fellowships for Women  
 Education Programs/Consultants Grants  
 SEED Program  
 Teacher Corps  
 Craftsmen Fellowship  
 Soviet & East Europe Studies  
 Alan T. Waterman Award  
 Ad Hoc Grants  
 Environmental Conservation Fellows