Accreditation Visit Scheduled

The final phase of a process initiated nearly a year ago will begin on Wednesday, (Jan. 23) when a 15-member team of academic specialists representing the Western Association of Schools and Colleges arrives to begin a three-day visit at Cal Poly.

During its visit, the team which will be headed by Daniel G. Aldrich, chancellor of University of California, Irvine, will be seeking additional information in preparation for its recommendation on reaffirmation of the university’s accreditation for the next 10 years.

Vice President for Academic Affairs Hazel J. Jones said the visitors will have several functions to fulfill during and after their brief stay on campus:

- Determine how well the university is doing what it claims to do and how well it complies with accrediting standards.
- Point out any notable strengths and weaknesses that affect the education of Cal Poly students.
- Evaluate progress made on recommendations of previous accreditation teams.
- Recommend steps that can be taken to strengthen the university.

After completion of its visit, the team will communicate its findings, judgments, and recommendations to WASC’s Accrediting Commission for Senior Colleges and Universities.

Dr. Jones said that while the WASC group is on campus, it will attempt to assure itself that there has been widespread participation in the self-study that has been developed by academic and administrative staff of the university over the past year.

Also high on the visitors’ agenda will be an effort to become as well acquainted with the university as possible in a short time, answer questions of university faculty and staff about accreditation, and listen to any member of the campus community who would like to discuss the accreditation process.

In carrying out that last effort, a time during which any member of the university community can talk with representatives of the team is planned between 3:30 and 5 pm on Thursday (Jan. 24).

Those interested in that opportunity are asked to telephone Yolanda Veen, Ext. 2112, to be scheduled for a meeting.

Copies of the self-evaluation report, which has been submitted for use by the visiting team and WASC in consideration of the university’s request for reaccreditation, are available for review from the Reference Desk of the University Library.

They are also on file in the offices of the university vice presidents, the deans, the Academic Senate, and the Associated Students Inc.

Participation in education conference

Plans for a day-long conference on improving parent and citizen participation in public education to be held on Saturday (Jan. 19) have been announced by the coalition of educational organizations and agencies which is sponsoring the event. The keynote speaker will be Assemblyman Dennis Mangers of Orange County.

Known as “Sharing/1980,” the conference will take place at Laguna Junior High School. Public school teachers and administrators, parents, and others interested in public education are particularly invited to participate. The program for the gathering will be planned around the theme, “Improving Parent Participation in Public Education: Let Us Share What We Have Accomplished,” according to Leonard Davidman (Education) who is coordinating the conference.

Cosponsors of “Sharing/1980” are the San Luis Obispo County Office of Education, the Education Department at Cal Poly, the local chapter of Phi Delta Kappa educational honor society, the 24th District of the Parent Teachers Association, Cal Poly Extension, the Central California Facilitator Project, the local chapter of the Association of California School Administrators, and several local California Teachers Association chapters. Additional information about the program can be obtained by contacting Dr. Davidman at Ext. 2329 or 1251.
Rejto is next Quintessence performer

Master cellist Gabor Rejto, accompanied by pianist Adolph Baller, will appear in recital as the third offering in the Quintessence fine arts concert series on Saturday (Jan. 12) at 8:15 pm. The recital, in the Cal Poly Theatre, will be open to the public. Tickets are $4 for students and $5.50 for the public, available in advance at the University Union ticket office and at the door.

The Rejto-Baller recital will include music by Bach, Brahms, Debussy, and Beethoven. Opening the program will be Bach’s Sonata in D major, followed by Brahms’s Sonata in E minor, Op. 38.

Food Science changes

In 1961, when the Food Industries Department was established at Cal Poly, some 4,000 packaged food items were sold in supermarkets. Today that figure has doubled and many of the food preparation and processing techniques are also new.

"Just since I came here in 1972, changes within the industry have been astounding," said Robert D. Vance (Head, Food Science). "Just in my area, meat processing, the changes have been remarkable since I was in school (during the 1960's)," Dr. Vance said. "We didn't have the mechanical deboning or the massaged and tumbled meat processing that improves palatability and curing properties. The technology seems to change almost yearly.''

The name of the department is also new, changed this year for two reasons. "The production and processing of food these days is a science and we felt the department title should reflect this," Dr. Vance said. "Also, food science is a term that mostly everyone in the agricultural field recognizes, more readily than food industries.''

Changing the department's title to stay current with the industry is the easy part, as Dr. Vance admits. Keeping the department up-to-date on technological development, incorporated in the instructional program, has the six faculty members hopping. He said it is this belief in the importance of the food science instructional program and the need to stay current on industry developments that has resulted in a highly motivated faculty.

"We want to think we have a part in the feeding of the world's population," he said. "Do you realize that without the proper food processing and preparation we would lose 50 to 60 percent of our food before it reaches the consumer? "Whenever possible, I encourage the faculty to attend industry meetings and visit with working professionals. We have to in order to stay up-to-date on the changes," he said. "Faculty development is one of our most important tasks because of these changes occurring in the field.

"For instance, the role of food processing engineers familiar with the equipment is becoming more and more important," he said. "There is a great need for graduates trained in this area, particularly in developing countries. We have to continually analyze our instructional program to ensure that it is relevant to our students and the industry," Dr. Vance said.

The program has definitely appealed to students since the department was founded nearly twenty years ago. Just in the past five years, the Food Science Department enrollment has nearly doubled, with 140 students now preparing for careers in the processing, canning, freezing or food drying areas of the industry.

Grant will fund nutrition project

School children need good nutritional instruction in order to develop good eating habits. This need has resulted in a project by a Cal Poly home economics professor to develop a university curriculum to train future nutrition specialists.

Dr. Jenell Ciak is directing the project, which is funded by a $19,653 grant to the Cal Poly Foundation from the State Department of Education. The project's goal is to develop a model curriculum that could be used by colleges and universities in their instructional programs.

School nutrition programs are presently directed by people with backgrounds in dietetics or with a nutrition emphasis in home economics, Dr. Ciak said. They lack training in communication and education, two skills necessary to educate children, their parents and teachers about nutrition.

A person trained as a nutrition education specialist would work at the elementary or secondary school level to develop nutrition programs, conduct "in-service" nutrition classes for teachers, and produce nutritional newsletters for parents and the community, she said.

"We're trying to develop a model curriculum that can be used to train people who would be directing the projects in the school systems," she said.

Nutrition specialists in both the public and private sectors will be consulted prior to the development of a model curriculum by Dr. Ciak. The recommendations for a model curriculum will then be submitted to the Society of Nutrition Education.

It is anticipated this model curriculum could then be adapted by any post-secondary institution for the training of nutrition specialists.

Bernice Smith, also a member of the university's Home Economics Department faculty, is serving as assistant director for the nutrition curriculum project.
Fee waiver deadline nears

Since Computer Assisted Registration (CAR) will be used for the Spring Quarter 1980, the deadline for acceptance of university admission applications will be earlier than normal. If employees anticipate applying for a fee waiver, and also need to apply for admission to the University, an application for admission must be completed and submitted to the Personnel Office prior to Jan. 14 so that a Waiver of the $20 application for admission fee may be processed. It is necessary for all employees to meet admissions requirements in order to have the required class request form pre-printed and available for pickup in the major department office to complete the fee waiver (registration) process. Fee waiver applications will not be due until Feb. 6.

Eligibility:
1. All full-time permanent or probationary State employees
2. employees who are now part time but have attained permanency in a full-time position and then reduced their time base
3. full-time permanent and probationary employees who are on an approved full or partial leave of absence (either with or without pay) are eligible for the fee waiver program. This excludes temporary employees (those in limited term appointments for less than one year), graduate assistants, and student assistants. Also excluded are employees in employment categories funded from sources other than the California State University and Colleges system, such as Foundation, ASI, COD and CETA.

How to Apply:
Pick up procedures and fee waiver forms in the Personnel Office, Adm. 110, or call Ext. 2236. Class request forms will be available on Feb. 4. Employee must pick up their individual class request form from their major department office immediately after date of availability.

Deadlines:
Applications for fee waiver will not be approved/processed if received in the Personnel Office after Feb. 6. This is an absolute deadline and must be met in order that the forms may be processed through the Personnel Office and still meet the CAR deadline.

Younger Cousteau will speak

Jean-Michel Cousteau, son of ocean explorer Jacques Cousteau, will present a multi-media event titled "Project Ocean Search" at Cal Poly on Tuesday (Jan. 15) at 8 pm. The public is invited to the presentation, which will be in Chumash Auditorium. Tickets, available at the University Union ticket office, are $2 for students and $3 for the public.

"Project Ocean Search" is about Cousteau's expedition to the South Pacific island of Wuvulu, located north of Papua New Guinea, where the jungle, marine life, and coral reefs are among the richest in the world. The multi-media presentation is designed to educate participants in the vital relationship between humans and the ocean.

Born in Toulon, France, in 1938, Cousteau's formal education includes graduation from the Paris School of Architecture and attendance at Woods Hole Oceanographic Institute in Massachusetts. In 1967, Cousteau joined his father's team to direct, plan and organize the logistics for the television expeditions for "The Undersea World of Jacques Cousteau."

He then returned to his architectural firm in France where he assisted in the design of the headquarters for the Center for Advance Marine Studies in Marseilles. In 1969, Cousteau and his brother, Jacques-Yves, began the design of "The Living Sea," the world's largest marine museum, aboard the Queen Mary, anchored in Long Beach. His team worked for three years on the concept, design, and completion of the museum. Jean-Michel Cousteau's appearance is sponsored by the ASI Speakers Forum.

President's open office hour

Plans for a 90-minute period during which students, staff, and faculty of the university can schedule short conferences with the president have been announced by President Warren J. Baker.

Scheduled for 1 to 2:30 pm on alternating Fridays beginning Jan. 18, the time will give interested members of the campus community an opportunity to meet and visit with the president for a brief time.

Since the president's schedule varies from week to week, those wishing to visit with him should call Ext. 2111 to confirm when the next "open period" will be. Dr. Baker emphasized that the short visitation period is not intended to replace established procedures of setting appointments with the president, when appropriate, on concerns that require longer sessions.

Students simulate SALT

Students from several classes will conduct a simulated debate on the Strategic Arms Limitation Treaty (SALT), Thursday (Jan. 10) at 11:10 am in Science E26. Individual students will take the roles of a number of prominent political and diplomatic figures in the simulated debate. The program is open to all faculty, students, and staff.
Career Symposium
On Monday (Jan. 28) Cal Poly will be holding its first Career Symposium in Chumash Auditorium. The event will run between 10 am and 3 pm and is sponsored by the Cooperative Education Program, the Placement Center, and the Career Development Center.
Over 70 of California’s most prominent employers have been invited to participate in this three part program, which includes a morning reception, an all-day forum, and several ongoing seminars. The main forum will provide students with a chance to informally discuss career opportunities with representatives from various corporations and agencies.
Several seminars will be held throughout the day in the side section of Chumash Auditorium and will cover subjects such as "Interviewing Orientations" and "Will There Be A Job For You In The '80's?"
The main forum and seminars are open to all students, faculty, and staff of Cal Poly. Students from Cuesta College, Allen Hancock College, and Juniors/Seniors from all central coast area high schools are also invited to participate.

CORRECTION
In last week's issue of Cal Poly Report, the first bulleted paragraph of an article on Page 2, titled Trustees' Actions Reported, omitted a line. The complete paragraph reads as follows:

- Directed the Chancellor to prepare changes in Title 5 of the California Administrative Code that would provide for participation by a student appointed by the President or designee after consultation with appropriate student groups to serve in a non-voting capacity with a departmental personnel committee for retention, tenure, and promotion of faculty, throughout its deliberations; and further resolved that the Chancellor instruct the campuses through normal consultative processes with the faculty and students to develop procedural guidelines including but not limited to:

Hair Dryer List
The U.S. Consumer Product Safety Commission recently issued a list of manufacturers of hair dryers for consumer use. The list identifies hair dryers than contain asbestos, an agent which can cause cancer, and those than do not. Since most manufacturers have agreed to some form of recall, repair, or refund for models containing asbestos, the Department of Public Safety will make the list available to all interested persons. The list can be reviewed by coming to the Public Safety Office, Bldg. 74 of by calling Don Van Acker at Ext. 2281.

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

Donald A. Grinde, Jr., History, gave a speech titled: "The Importance of Teaching American Indian History," at the Eleventh Annual Meeting of the National Indian Education Association in Denver, Col. on Dec. 3, 1979.

Patricia Saam, Home Economics, attended a symposium on Enteral Nutritional Support, an American Dietetic Association continuing education project supported by a grant from the Doyle Pharmaceutical Company, in San Francisco on Nov. 30, 1979.

Dawn Aiken, William Armentrout, Edward Ernst, Richard V. Jones, Robert Levison, Donald Maas, all Education, and Walter Schroeder, Head, Education, are participating in the Cooperative Career Education Project involving Cal Poly, Cuesta College, and three local school districts. Dawn Aiken and Walter Schroeder appeared on the program during the first workshop sessions conducted Nov. 13 and 27.

Dan Krieger, History, served as commentator on a panel titled "Environmental History as a Field of Study" at the 94th Annual Meeting of the American Historical Association in New York City, Dec. 28.


Alfred M. Bachman, Mathematics, had an article, "How to Raise Achievement on Mathematics Tests," published in the fall, 1979 issue of Centroid, a publication of the Department of Mathematics and Science Education, North Carolina State University.

Maria Elena Ortiz, Biological Sciences, attended the first session of an NSF Chautauqua-Type Short Course, Chronobiology: A New Dimension in Biology and Medicine, Nov. 19-20, 1979.

Joanne Beaulle Ruggles, Architecture, had one of her prints, "Split Leaf Philodendron," accepted to appear in the 55th Annual Philadelphia Print Club Exhibition, Dec. 5 - Dec. 31, 1979, in Philadelphia, Penn. The Philadelphia Competition, which is one of the major U.S. print shows, attracted more than 750 entries from which 95 were selected by the jurors for exhibition.

[Continued on page 6]
FACULTY VACANCIES

Candidates for positions on the faculty of the University are presently being sought, according to Donald L. Shelton (Director of Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. 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 and the Rehabilitation Act of 1973. All interested persons are encouraged to apply.

Lecturers, $16,360-$24,828/academic year; dependent upon qualifications and experience, Architecture Department, School of Architecture and Environmental Design. Positions available for the 1980-81 academic year. Duties include teaching design, professional practice, building science. Required is Master of Architecture or other appropriate master’s degree; or professional degree and extensive practice. Teaching experience at collegiate level, licensed experience in practice, research and publications are desirable. Closing date: 2-28-80.

Lecturer, $863-$1434/two 1-credit activity classes in elementary piano, to be adjusted dependent upon professional qualifications and experience, Music Department, School of Communicative Arts and Humanities. Candidates must have completed a Music Major with significant preparation in piano and class piano teaching; Bachelor’s degree required, Master’s degree preferred; some successful college teaching experience. Classes scheduled Monday and Wednesday 11 am to 1 pm, Spring Quarter 1980 only. Position is contingent upon enrollment and available funds. Closing date: 2-8-80.

STAFF VACANCIES

Vacant support staff positions have been announced by Robert M. Negrant, 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. The 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 and the Rehabilitation Act of 1973. All interested persons are encouraged to apply.

Clerical Assistant II-A, $421.50-$503.50/month; half-time, Counseling Center. Duties: Reception of persons using Counseling, Testing and Career Development Center services; answer telephones on a 20-phone intercom system, schedule appointments for 15 counselors; type, maintain student assistant records. Requirements: One year of general clerical experience, type 45 wpm, and must have taken the General Clerical Test. Good verbal and written communication skills important. Closing date: 1-25-80

Custodians, $858-$1025/month; on-call with possibility of transition to regular assignment; ten vacancies to fill, Plant Operations. Duties: Sweeps, scrubs, mops and polishes floors, blackboards, windows and venetian blinds. Locks and unlocks doors and windows, empties trash cans and wastebaskets. Cooperates with faculty and staff in moving furniture and equipment. Assists in special activities such as athletic events, assemblies and graduation. Hours: Normally 10:30 pm to 7 am. Closing date: 1-25-80.

OFF-CAMPUS VACANCIES

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

Humboldt State University, Dean of the School of Business and Economics, Application deadline: Feb. 15, 1980.

Western Kentucky University, Dean of the Ogden College of Science and Technology, Application deadline: March 15, 1980.

San Francisco State University, Associate Provost for Student Services. Application deadline: Jan. 31, 1980.

San Francisco State University, Dean of Graduate Studies and Research. Application deadline: Jan. 31, 1980.

San Francisco State University, Associate Provost for Faculty Affairs. Application deadline: Jan. 31, 1980.
Mary L. Brady, *Library*, has been elected to the Instructional Materials Depository Center (IMDC) Steering Committee for the State of California, Dept. of Education. Her term will extend through 1981.


Eileen Pritchard, *Library*, has had an article titled "Teaching Science Citation Index for a Library Orientation" published in vol. 9, no. 4 of the *Journal of Technical Writing and Communication*.

Larry Rathbun, *Agricultural Education*, was guest speaker at the State Supervisors of Agricultural Education annual breakfast meeting on Dec. 4 in Anaheim. Dr. Rathbun spoke on generating legislative support for vocational agriculture.

George J. Hasselrn, Dean, *Architecture and Environmental Design*, installed the 1980 officers and directors of the Pasadena and Foothill chapter of the American Institute of Architects in Pasadena on Friday, Dec. 7. Inge Rose, a Cal Poly architect graduate, now an executive architect with Architects and Engineers Collaborative in LA, was installed as the chapter president.

John Connelly, *Education*, presented a paper on "Our Curriculum Dilemma" at the 28th annual meeting of the Far Western Philosophy of Education Society on Nov. 30 at the University of Southern California.


Tomas Lee and Bob Meyers, both *Physical Education*, were participants in a recent California Society of Park and Recreation Educators workshop held at Kellogg West in Pomona (Nov. 29 - Dec. 2). Meyers was elected president of this organization at the meeting and was responsible for the three-day program.


Kempston Huehn, *Mathematics*, attended the Siam Regional Meeting at the University of California, Riverside on Nov. 15, 1979.

John Snetsinger, *History*, was a commentator on the panel "New Perspectives on the Pacific Policies of the Truman and Eisenhower Administrations," at the 70th annual convention of the Pacific Coast Branch of the American Historical Association, held in Honolulu, Hawaii.

Lance Harter, *Physical Education*, was named Coach of the Year of the Southern California Athletic Association after the Cal Poly Invitational/SCAA Championships which were held Oct. 20. The presentation was made by Evelyn Pellaton, Associate Director of Athletics-Women, who was recently appointed as vice president of SCAA.

Richard J. Krejsa, *Biological Sciences*, was guest lecturer at the "kick off" of a series of lectures on energy for the mentally gifted program at San Luis Obispo High School on Nov. 21. Dr. Krejsa's lecture was titled "Time, Energy, and Resources."

Paul R. Neel, *Architecture*, was elected vice president/educational issues of the California Council, American Institute of Architects (CCAIA) at its recent convention held in San Francisco.

Michael R. Malkin, *Speech Communication*, has been appointed Associate Editor for Puppet History and Research of the *Puppetry Journal*. His duties begin with the first issue in 1980.

Harry Sharp, Jr., *Head, Speech Communication*, represented the Speech Communication Department at the national convention of the Speech Communication Association held at San Antonio, Texas, Nov. 10-13, 1979. In addition to recruiting faculty, he took part in a seminar on assessment of program quality sponsored by the Association for Communication Administration.


Joanne Beaule Ruggles, *Architecture*, has received a formal invitation from a panel of international jurors to participate in the 5th Premio Internazionale Biella per l'Incisione. The "Premio", an international invitational graphic biennial which stresses the art work of younger printmakers, will be held in Biella, Italy, in mid-1980. Ms. Ruggles has been asked to exhibit three of her recent prints.

Linda Atwood, *Chemistry*, was recently interviewed on KZOZ's Spectrum by Cal Poly graduate Judy Philbin. The topic was drugs, poisons, and health.


David Sanchez, *Education*, was a featured speaker at the Bilingual Conference sponsored by the Association of California Educators at Newport Beach on Nov. 8-9. His paper was titled, "Corridos, La Expresion Del Pueblo" ("Folk Songs, The Expression of the People").

John Snetsinger, *History*, was the speaker at the Special Events Program of the Harz Institute in New York City last month. Snetsinger's topic: "Is American Public Opinion Shifting on Israel?"

William E. Noble, *Ornamental Horticulture*, was an invited speaker at two Nov. short courses on interior plant maintenance held in Anaheim and Burlingame, sponsored by the Associated Landscape Contractors of America, Interior Landscape Division.

Vic Buccola, *Director of Athletics*, has been appointed to the National Collegiate Athletic Association (NCAA) Research Committee. Buccola also serves on the NCAA's Division II Football Committee, and is chairman of the West Coast subcommittee. The NCAA Research Committee was formed in the summer of 1977 because of increases in the volume of research conducted by the NCAA and in the number of requests for NCAA funding of research conducted elsewhere.

Quintard Taylor, *History*, was guest speaker at the opening of the "Blacks on the American Frontier" exhibition at the African American Cultural Center, Minneapolis, Minn., Nov. 2. Taylor's address was titled "Demystifying the Frontier: A Reassessment of the Afro-American Western Experience."

Katharine Barthels, *Physical Education*, participated as an invited biomechanics specialist in the field of aquatic sports medicine at a closed Council for National Cooperation in Aquatics workshop at the U.S. Olympic Training Center in Colorado Springs. The group of sports scientists met to discuss current concerns in the area of sports medicine which will be presented in a three-day symposium in Nov., 1980.
January 10, 1980

CARE GRANT REMINDER. CARE grant deadline for AY 1979-80 is 5:00 p.m., Friday, January 18. Application forms and guidelines are available from the Research Development Office.

NATIONAL SCIENCE FOUNDATION - EXPERIMENTAL RESEARCH PROGRAM ON APPROPRIATE TECHNOLOGY. The National Science Foundation has established a new program to support experimental research in appropriate technologies, defined as those which are decentralized, require low capital investment, are managed by their users, result in solutions that conserve natural resources, and are in harmony with the environment.

The goals of the program are to improve the understanding of appropriate technology as a concept and its role in the U.S. society and economy, and to strengthen the science and engineering base needed to identify and develop promising appropriate technologies. NSF plans to support research on 1) appropriate technology and urban innovation, 2) small-scale industrial technology, 3) recycling, resources recovery and conservation, 4) appropriate technology, rural revitalization and the small farm, 5) food and nutrition, and 6) appropriate technology's roles and impacts on society, the economy, and technological development.

The program will not provide support for product design, product or technology development, technical assistance, demonstrations, economic development projects, or technologies for alternative energy sources or energy conversion.

Approximately $1.7 million will be available for grants. Deadline is MARCH 1, 1980.

*** NATIONAL SCIENCE FOUNDATION - UPCOMING DEADLINES.
3/1/80 U.S. - France Cooperative Research
3/15/80 U.S. - India Exchange of Scientists Program
3/25/80 Science and Technology to Aid the Handicapped
4/1/80 Coordinated Ocean Research and Exploration (CORES)

*** NATIONAL SCIENCE FOUNDATION - UPCOMING TARGET DATES.
3/1/80 Economics
3/1/80 Political Science
3/1/80 Geography and Regional Science
3/1/80 Sociology
3/1/80 Policy Research and Analysis
3/1/80 Specialized Engineering Research Equipment
3/14/80 Applied Social and Behavioral Sciences
3/14/80 Applied Physical, Mathematical, and Biological Sciences and Engineering

EXTENSION OF CLOSING DATES. The fiscal 1980 closing date for the NSF-NIE joint program in mathematics education using information technology has been extended to FEBRUARY 14.

The USOE's Consumer Education Program deadline has been extended from December 19, 1979, to 60 DAYS AFTER PUBLICATION OF THE FINAL REGULATIONS, which have not yet been printed.

The closing date of January 21, 1980, for the transmittal of applications for grants under the Women's Educational Equity Act Program is withdrawn and no new deadline has been yet announced.
U.S. OFFICE OF EDUCATION - BASIC SKILL IMPROVEMENT PROGRAMS. The postmark deadline for three basic skill improvement programs is FEBRUARY 29. The programs include:

1) Basic Skills in the Schools which supports the improved delivery of instructional services in reading, mathematics, and oral and written communication. Projects must serve as demonstration models for later replication. Approximately 115 elementary and secondary projects ranging from $50,000 to $150,000 will be funded from the $7.5 million available; 2) Parent Participation in the improvement of basic skills of school children will be supported by the award of approximately 15 grants ranging between $10,000 and $50,000; 3) Out-of-Schools Basic Skills Improvement is aimed at children, youth and adults. Approximately $6 million is available for this program.

U.S. OFFICE OF EDUCATION - METRIC EDUCATION PROGRAM. FEBRUARY 14, 1980, has been established as the closing date for the submission of applications to the Office of Education under the Metric Education Program. Institutions of higher education are eligible to apply for grants to encourage and support projects that prepare students to use the metric system of measurement. It is estimated that the $1.84 million available for the program in fiscal 1980 will support 46-50 new projects, in addition to contract obligations.

NATIONAL SCIENCE FOUNDATION - NEW EMPHASIS IN LONG-TERM RESEARCH. Recognizing that environmental biological research may require more time than allowed by the usual two- to three-year grant period, the Division of Environmental Biology has developed a new emphasis in long-term research. Beginning in fiscal year 1980 NSF will make available limited support for long-term research projects. Since Foundation policy requires that budget requests be for no more than five years, initial proposals should request support for three- to five-year periods while presenting a research project in its complete time perspective. Detailed budgets need not be presented beyond the initially requested support period, but the project plan should include a complete treatment of anticipated levels of effort. Awards will be enacted as continuing grants, which require the annual submission of progress reports and updated budgets. This emphasis is organized in the following two efforts: 1) Long-Term Research in Environmental Biology and 2) Long-Term Ecological Research. Deadline is FEBRUARY 4, 1980.

NATIONAL INSTITUTE OF EDUCATION PROGRAM OF GRANTS FOR RESEARCH ON ORGANIZATIONAL PROCESSES IN EDUCATION. This program will cover two types of grants: grants and small grants. Grants are for projects in excess of $10,000 or direct costs. A project supported by a grant under this program may be up to three years in duration. However, initial funding for grants will, in most cases, not exceed 12 months. Applications for grants that propose a multi-year project must be supported by an explanation of the need for multi-year support, an overview of the objectives and activities proposed, and the budget estimates necessary to attain the objectives in any years subsequent to the first year of the project. An applicant for a major grant must first submit a preliminary proposal.

A small grant is for a project for no longer than 12 months' duration and for an amount that does not exceed $10,000 plus indirect costs.

Current estimates are that approximately $600,000 will be available in FY 1980 to fund projects under this program. Approximately 10-15% of the funds will be reserved for small grants. DEADLINES: APRIL 14, 1980 AND AUGUST 18, 1980.

Guidelines and/or application forms available in the Research Development Office. **** Contact agency directly.