Use of Electric Heaters

The Federal emergency building temperature restriction regulation currently in force speaks directly on the use of auxiliary heating devices, e.g., portable electric heaters or heat lamps. These devices are prohibited except to maintain a maximum of 65°F when a building is occupied or for spot heating when a building is unoccupied (heating system off). For example, a person working overtime (heating system off) may use an electric heater to maintain 65°F. Also, electric heating devices can be used to maintain 65°F in areas where no heating system exists.

The regulation does provide for civil penalties of up to $5,000 and criminal penalties of up to $10,000 for violations. Enforcement of the regulation is provided by the Department of Energy through various State and Federal agencies. This regulation remains in effect until April 16 with a possible extension by the President as related to the Iranian crisis.

All electric heater requests should go through the Plant Operations Office for verification of need. This will allow investigation of the area in question with the possibility of modifying the existing heating system to satisfy the individuals involved. If an electric heater is required, a letter of approval could then be issued. The letter would contain information for proper operation to include the maximum temperature (65°F) allowed by the Federal Regulation.

Board of Trustees opposes Jarvis II

The CSUC Board of Trustees, informed of the greatest curtailments ever to be confronted by The California State University and Colleges, registered opposition to the Jarvis II initiative on the June 3 ballot. A committee of Trustees will be appointed by the board chairwoman Claudia H. Hampton, to work with Chancellor Glenn S. Dumke and others within and outside the CSUC to mount an educational program to inform the public of implications in Jarvis II.

Chancellor Dumke told the Board that preliminary calculations show the ballot initiative would lead to reductions of 20 to 30 percent, or from $150 million to $250 million, in the system's budget. Until extensive reviews are completed it cannot be determined how the CSUC would adjust to losses approaching one-third of its operational funding, Chancellor Dumke said.

But the overall impact, he continued, "would signal the abrupt dismantling of many of the higher educational opportunities which have benefitted millions of Californians while helping create this state's thriving economy." Through halving state income taxes and indexing these taxes to the consumer price index, Jarvis II would lead to an approximate $5 billion state revenue drop, according to initial estimates.

Chancellor Dumke said the 19 campuses already have sustained some $17 million in Proposition 13-related program curtailments and quality setbacks. But even these reductions, he added, "pale in contrast to what would result from the Jarvis II proposition."

Alternatives, or combinations of alternatives, which Chancellor Dumke said confront the CSUC include:

- Denial of access to many thousands of students who normally could be admitted next fall, by reducing enrollments at all campuses.
- Reduction of large numbers of instructional programs currently offered, owing to the loss of thousands of faculty and staff positions.
- Closure of campuses, thereby depriving entire regions of educational access.
- Changes in admissions policies in order to reduce enrollments.
- Recommendations that the legislature authorize the imposition of tuition to make up for lost State revenues.
- Increases in present student fees to finance existing programs now provided for by State funds.

Following is the complete text of the Board's resolution: "Whereas, the passage of the Taxation Initiative Constitutional Amendment on the June 3, 1980 ballot will have an immediate and direct effect on the resources available for public education in California; and whereas, the Board of Trustees is dedicated to maintain the quality of higher education in the state for the benefit and the general welfare of all citizens in California; now there be it resolved by the Board of Trustees of The California State University and Colleges, that this Board is opposed to the Taxation Initiative Constitutional Amendment submitted for the June 3, 1980 ballot."

February First Weekend

On Sunday evening (Feb. 3) at 7:30 pm in University Union 216, a panel of art students will lead a discussion and a gallery talk about Mark Tobey, whose prints are currently on display at the "Galerie" in the union. A film depicting a day in the life of Mark Tobey will also be shown. The session is open to the public as well as the campus community. There is no charge for any of the First Weekend programs which are sponsored by the School of Communicative Arts and Humanities.

Folsom Services

Final services were held on Monday, Jan. 28, for Volmar A. Folsom, a former member of the Mathematics Department faculty who died on Friday, Jan. 25, in a San Luis Obispo hospital.

Named an emeritus member of the faculty on his retirement in 1975, Dr. Folsom came to Cal Poly in 1946. He was founder of the Poly Royal high school mathematics contest, which has brought students from throughout the state to campus each April since 1953. Memorial contributions can be forwarded to the Business Affairs Department with designation for the Mathematics Department discretionary fund.
‘Kaleidoscope’ celebrates union anniversary

The award-winning Julian A. McPhee University Union will be the location for a week-long anniversary celebration noting the building’s ninth year of operation as a “campus living room.” Titled “Kaleidoscope” to indicate the wide range of activities available at the University Union, it will include a series of public events and performances.

To start the week, the University Union Board of Governors, in cooperation with several programming committees, has arranged for the appearance of Count Basie and His Orchestra. Following Basie’s big band sound will be comedian Kelly Monteith, country mandolin player David Grisman and his quintet, the Tony Williams Jazz Trio, and a selection of other performances.

Count Basie is in his 45th year as leader of one of America’s top big bands. He’s scheduled for two shows on Monday (Feb. 4) in Chumash Auditorium. The public will be invited to hear Basie ring in the union’s anniversary at 7 pm and 9:30 pm. Tickets are $3.50 in advance and $4.50 at the door for students; $5.50 and $6.50 for the general public.

“Tonight” show regular Kelly Monteith will bring his special brand of comedy on Tuesday (Feb. 5) at 8 pm, also in Chumash Auditorium. Tickets for the Monteith comedy concert are $2 in advance and $3 at the door for students; $4 and $5 for public.

Critically-acclaimed Tony Williams and his jazz fusion sound will permeate Chumash on Thursday (Feb. 7) at 8 pm. Tickets for his show are $3.50 in advance and $4.50 at the door for students; $5.50 and $6.50 for public. David Grisman and his quintet will perform his popular “dawg” music in Chumash on Saturday (Feb. 9) at 8 pm. Tickets are $5 in advance for students and $6.50 at the door; public tickets are $6.50 and $7.50. All events are sponsored by the University Union Board of Governors, with the following co-sponsors: Fine Arts Committee for Count Basie concerts; Speakers Forum for Kelly Monteith; Special Events Committee for Tony Williams, and Concerts Committee for David Grisman. Tickets for the events to which the public is invited are now on sale at the University Union ticket office. Off-campus ticket locations will be announced at a later date. Student tickets are for Cal Poly, Cuesta and Hancock College students with appropriate identification.

The $3.4 million University Union, designed by the San Francisco firm of Esherick Homsey Dodge & Davis, was the recipient of the Honors Award of the American Institute of Architects, “for achievement of excellence in architectural design,” for 1973. “Kaleidoscope” is presented by the Cal Poly University Union Board of Governors in cooperation with committees of the A.S.I. Program Board.

Energy saving in the CSUC

A new goal-setting approach to energy conservation is on its way to achieving a 40 percent gas, oil and electricity reduction in The California State University and Colleges. The systemwide goal is set for 1983-84. It uses 1973-74 consumption data as a base year and uniform reporting practices instituted by the 19 campuses in July 1978 for measuring progress.

In the latest comparisons to become available since the uniform procedures were adopted, Chancellor Glenn S. Dumke announced a 12.29 percent consumption drop in the four-month period starting in July 1979. This represents a $762,415 cost avoidance by the campuses—a savings which, although neutralized by spiraling utility costs, is largely credited to strong measures taken by staff and students.

The CSUC’s energy reduction plan, which also targets a 25 percent drop in water consumption by July 1983, is the outgrowth of cutback programs starting during the 1974 oil crisis and revised in 1978 into a unified attack. Since then a systemwide energy management engineer has been assigned, engineering firms have conducted energy audits on all the campuses and each campus has appointed an energy management team.

“The campuses have done remarkably well in tightening utility usage through quick-fix and certain retrofit projects at relatively minimal costs,” said S.N. Choudhuri, CSUC Energy Management Engineer. “By the middle of 1980 nearly all of these approaches will be completed. We will be at the point where more substantial outlays will be necessary to reach the 40 percent reduction goal.”

Quick-fix items include tightened start-up and shut-down mechanical and electrical schedules, lighting changes, thermostat readjustments, and tuning boilers for thermal efficiency. Examples of retrofits include such items as turbulators to improve the efficiency of fire tube boilers, control modifications for rooftop air conditioning units, and stack gas heat reclaim systems to preheat boiler feed water.

Governor Brown’s 1980-81 budget, as submitted this month to the Legislature, recognizes requests by the Board of Trustees to the extent of recommending $2.1 million for 24 CSUC energy projects. Additionally, Trustees in February will consider seeking $3 million for a cogeneration plant at San Diego State University, the system’s largest campus situated in a high-cost electrical rate area.

The coming year’s projects, except for the cogeneration plant and certain solar items, will produce enough cost avoidance to pay for their initial investment in less than three years. In setting the 40 percent systemwide fuel and electrical reduction target, different goals were established for the individual campuses based on such factors as size, mechanical systems and geography.

Uniform reporting practices show the campuses used 31,587 British Thermal Units of energy per gross square foot from July through October 1979 compared with 37,153 in the same months of 1978. The 12.29 percent reduction is derived from gas and oil usage, expressed as Therms per gross square foot, which showed a decline of 15.63 percent, and electrical consumption, expressed as kilowatt hours per square foot, which dropped 8.49 percent.
Trustees actions reported

The Board of Trustees of The California State University and Colleges took the following actions at its meeting held Jan. 23 in Sacramento:

• Resolved that the Board is opposed to the Taxation Initiative Constitutional Amendment (referred to as Jarvis II) which will be on the June 3, 1980 ballot; further asked the Board Chairwoman to appoint a committee of trustees to work with the chancellor and others outside and within the CSUC to mount an educational program to inform the public of the implications of the initiative.

• Urged the Governor and the Legislature to provide in 1980-81 an average 11 percent salary increase for all academic and nonacademic employees. Also requested fringe benefit improvements for all employees equivalent to those granted other state employees in 1980-81, including a dental plan.

• Requested the Governor to issue a proclamation prior to March 1, 1980 declaring that eligible CSUC employees who choose voluntary retirement between March 27, 1980 and June 29, 1980 will receive an additional two years' service credit toward retirement. Further resolved that the Trustees have determined that there has been a curtailment of services within the CSUC and that an early retirement incentive program would serve the best interest of the state.

• Added regulations to Title 5, California Administrative Code to permit administrative and support employees to continue employment beyond the mandatory retirement age; action brings CSUC into compliance with state statutes governing retirement.

• Approved an amendment to the 1980-81 Final Support Budget request to include $464,000 for a Career Planning Program Change Proposal which would provide a computer-assisted career guidance system for 10 campuses. The remaining campuses would receive the system in 1981-82. State General Fund expenditures for this purpose would be reimbursed by a $2 increase in the Student Services Fee beginning in spring 1981.

• Approved an amendment to the 1980-81 Final Support Budget request to include $1,071,267 for a Financial Aid Administration budget augmentation which would provide additional staffing totaling 64 positions in the Student Service Financial Aid Offices and the Business Offices on the 19 campuses; State General Fund expenditures for this purpose would be reimbursed by an estimated $4 increase in the Student Services Fee beginning in spring 1981.

• Resolved that the Standing Committee on Programs Supported by the Student Services Fee be charged with examining the current philosophies and methodologies that drive the Student Services Fee, and that the committee address the systemwide Student Services Fee Audit Report concerning possible policy changes, especially in the areas of possible inequities with the fee and the current designated areas in which the fee is utilized for possible expansion or deletion.

Foundation W-2’s

Foundation Employee W-2 Forms may be picked up at Foundation Cashier windows, University Union Bldg., Room 212. Hours 7:30 - 4:30 Monday thru Friday.

Dance concert upcoming

“Dance Horizons” is the title of the annual dance concert to be produced by Orchesis, the Cal Poly Dance Club on Friday and Saturday (Feb. 8 and 9). Eighteen dance numbers will be featured in the program, to take place in the Cal Poly Theatre both nights at 8 pm. The public is invited, with tickets costing $3 for students and $3.50 for public, available at the University Union ticket office.

Moon Ja Minn Suhr (Physical Education) will choreograph six of the eighteen scheduled performances. 1980 marks her tenth year as director of the Orchesis program. A week following the Cal Poly performances, the dance troupe will stage “Dance Horizons” at the Wilshire-Ebell Theatre in Los Angeles on Saturday (Feb. 16). This will make the third year straight that the company has performed in Los Angeles theaters.

Featured recorded music for the dance program will be by such composers and performers as “Just a Closer Walk With Thee,” by Louis Armstrong, “All That Jazz,” by John Kander, “Silk Stockings,” by Johnny Green, “Knee Deep,” by Herbie Hancock, soundtrack music from the film, “Summer of ’42,” and additional numbers by Tomita, Santana, Tim Weisberg, Supertramp, and the recorded songs of the humpback whales.

Besides Suhr’s choreography, the 12 remaining dances are choreographed by students enrolled in the stage dance production class. These students are also members of the dance club. For further information about “Dance Horizons,” call Suhr at Ext. 1169, or the ASI Business Office at Ext. 1281. “Dance Horizons,” presented by Orchesis Dance Club, is under the auspices of the Cal Poly A.S.I.
Early instrumental concert planned

Works for flute and harpsichord will be on the program for a recital and lecture-demonstration featuring early instruments on Sunday, (Feb. 3). The recital, which will feature Gilbert L. Blount on the harpsichord and Charlotte Crockett on the Baroque flute and recorder, is planned for 3:30 pm in Davidson Music Center 218.

The lecture-demonstration by Dr. Blount and Ms. Crockett will begin after the recital at about 5 pm. All those interested in music, including children, are invited to attend both events. Admission to both will be free.

Programmed for the recital at Cal Poly are J.S. Bach’s Sonata in E minor, Vivaldi’s Sonata in G minor, Johann Joachim Quantz’ Sonata in C minor, C.P.E. Bach’s Fantasia in A major and Rondo in B flat major, Hasse’s Sonata in F major, and de Boismortier’s Sonata in G major.

Dr. Blount holds two degrees in historical musicology from University of California, Los Angeles, and has been on the music history faculties of University of Manchester in England, Yale University, and University of Texas, Austin. He is currently a specialist in music history and literature at University of Southern California and director of the USC Early Music Ensemble.

Dr. Blount is also director of the American Early Music Consort, an ensemble variously constituted, which has given concerts, lectures, and workshops concerned with music of the Medieval, Renaissance, and Baroque eras. While he is primarily a keyboard specialist, Dr. Blount has appeared in early music concerts playing various recorders and krummhorn, alto dulcian, alto and piccolo shawms, soprano sackbutt, soprano chalumeau, alto gemshorn, and the plucked psaltery.

Ms. Crockett is a teaching assistant, also on the USC faculty, and assistant director of the Early Music Consort. A specialist in Baroque performance practice, she is completing a dissertation on the flute sonatas of Quantz for completion of her doctor’s degree at University of Texas.

Ms. Crockett has given guest lectures on the history of early instruments at a number of universities, and has performed on flutes, recorders, gamba, cornets, krummhorn, rauschpfeifs, psaltery, and harp in more than 200 concerts with the American Early Music Consort throughout the U.S. and Mexico. The recital and lecture-demonstration are being presented by the Music Department.

Application for Administrative Fellows

The Trustees Budget for 1980-81 includes funds for continued support for the CSUC Administrative Fellows Program. Although the Trustees request must still go through review by the legislative and executive branches of the State, there is at this time no reason to think that the Legislature will not support this program. It is essential, however, that all applicants understand that appointments will be contingent on funds being provided in the final Budget which will not be signed until approximately June 30.

Full details of the program and application materials may be obtained from Smiley Wilkins (Affirmative Action Officer) Adm. 110. Completed applications are to be returned to the President’s Office in line with the timetable cited below.

The purpose of the Administrative Fellows Program is to provide an opportunity for upward mobility, especially aimed at ensuring that women and persons from ethnic minority backgrounds are given equal opportunities for placement and advancement in administrative, managerial and executive positions in the CSUC.

Application for the Administrative Fellows Program is open to academic and administrative personnel who have a tenured/permanent or probationary position on their campus and who desire to prepare themselves for a career option into administration or management. Final selection of fellows and operation of the program will be on a nondiscriminatory basis.

The Administrative Fellows who are selected will normally be assigned to a campus other than their own. Only under very unusual or compelling circumstances will fellows be assigned to their home campus. Therefore, applicants should seriously consider their mobility as a factor in making their personal decision to apply for appointment.

The fellowship is for the 1980-81 Academic Year. Fellows will receive their regular salary, vacation and retirement benefits as if they were in their regular positions at their home campuses. The State will not reimburse relocation or moving expenses in connection with this program.

The Cal Poly campus is currently hosting two CSUC Administrative Fellows during the 1979-80 Academic Year. Both have indicated their willingness to talk with, and attempt to answer, the questions of anyone considering applying for the 1980-81 program. They are Karen Hartlep (Ext. 2706) and Ken Simms (Ext. 2270). The timetable for applications is:

• Jan.: Announcement of the program on campus. Application forms may be obtained from Smiley Wilkins (Affirmative Action Officer) Adm. 110.

• Feb. 19: Deadline for applications. Applications must be filed in the office of the president by 5 pm, Tuesday (Feb. 19). Confidential evaluation forms must also be submitted.

• Late May: Offers of appointment as Administrative Fellow will be made by the Chancellor’s Office.

• May 29/30: Meeting of fellows and mentors at the Kellogg West Conference Center at Cal Poly Pomona.
Chinese Association

In accordance with the provisions of Section 789 of the Campus Administrative Manual, President Warren J. Baker has approved the recognition of the Chinese Professional Association as an official campus organization effective immediately.

The purpose of the organization is "to promote interest and understanding of Chinese and other ethnic heritages, to strive for harmonious relationship and mutual respect among different racial groups at Cal Poly and the campus vicinity, to lend support to the policy of Affirmative Action and to enhance further accomplishment towards the goal of equal opportunity for all concerned."

FOUNDATION VACANCIES

The Foundation is accepting applications for the following open positions, as announced by J.L. Fryer, Personnel Officer. Interested applicants may apply at the Foundation Personnel Office, University Union Building Room 212, 546-1121, Cal Poly Foundation is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All qualified persons are encouraged to apply.

Assistant Cook: $4.02-$4.81. Food Service (2 positions). Assist in the preparation of meals and meal items; assist with sanitation, and maintenance of a standardized recipe system. Requirements: High School diploma or equivalent; minimum of one year of commercial cooking experience. Closing date: 2-14-80.

Supervising Accounts Payable Clerk, $1007-$1206/month and full employee benefits. Business Office. Minimum requirements: High School graduation plus 12 semester units of business or accounting courses at the college level and two years of bookkeeping or accounts payable experience including one year of supervising experience. Closing date: 2-14-80.

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, Admin. 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.

Data Control Technician, $959-$1147/month. Duties: Coding, editing, and batching admissions data forms, maintaining documentation, serving as liaison to the Computer Center, scheduling computer runs, correcting output, assisting public by phone and in person. Requirements: Two years general clerical experience, six months of which involved working with data processing equipment and tabulating process, and must have taken the General Clerical Test. Training and/or college courses may substitute for six months experience. Closing date: 2-15-80.

Lead Groundsworker, $1195-$1434/month. Duties: General grounds maintenance work. Hours: 7:00 am to 3:30 pm, could include weekends. Closing date: 2-15-80.

Registered Nurse I - 10 month, $764.40-$918/month; 3/5 time. Health Center. Duties: Assist in physical exams and in administering inoculations, vaccines, and treatments; assist student assistants and clinical aids. Requirements: Must possess a current, valid California License. At least one year of nursing experience is desirable. Hours: 12:00 midnight to 8:00 am, three evenings a week in After-Hours Clinic and Infirmary. Closing date: 2-15-80.

Intermediate Account Clerk, $843-$1007/month. Duties: Assists pre-preparation of expenditure accounting data for processing, batches documents, processes date to Computer Center, analyzes errors, distributes Departmental Statements and Reports. Requirements: One year experience in keeping or reviewing financial records or statistical reports and must have taken the General Clerical Test. Knowledge of batch processing procedures highly desirable. Closing date: 2-15-80.

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, $5456-$8276/quarter. Salary quoted is for full time and will be adjusted based on teaching load and qualifications. City and Regional Planning Department, School of Architecture and Environmental Design. Positions available for Spring Quarter 1979-80 AY beginning March 27, 1980, and Fall, Winter and Spring Quarters 1980-81 AY, part-time. Teaching assignments primarily in physical planning; urban design; principles, practice, history of city planning; transportation theory; housing; general systems; site planning and in grounds maintenance work. Two years experience in planning, cultivating and maintaining flowers, shrubs, and in general grounds maintenance work. Hours: 7:00 am to 3:30 pm, could include weekends. Closing date: 2-15-80.

Lecturer, $16,363-$24,828. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Mechanical areas including some Air Conditioning and Refrigeration. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic mechanics as well as some of the emphasis areas of industrial power plants, process instrumentation, fluid power, machine design, and air conditioning and refrigeration. Must qualify for and desire to teach a course of engineering graphics. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology, and PE license given preference. Position available September 1980. Closing date: 4-21-80.

(Continued on page 6)
Intermediate Vocational Instructor (Assistant Professor), $16,368-$19,680. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Manufacturing Processes and other mechanical areas. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic courses as well as some of the emphasis areas of communications, digital circuits, microprocessors, and minicomputers. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Intermediate Vocational Instructor (Assistant Professor), $16,368-$19,680. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Mechanical areas including some Air Conditioning and Refrigeration. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic mechanics as well as some of the emphasis areas of industrial power plants, process instrumentation, fluid power, machine design, and air conditioning and refrigeration. Must qualify for and desire to teach a share of engineering graphics. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Lecturer, $16,368-$19,680/academic year. Engineering Technology Department, School of Architecture and Environmental Design. Position available for Spring Quarter, 1979-80 AY, beginning March 27, 1980, with possibility of entire 1980-81 AY, depending upon staffing position. Teaching assignments primarily in general planning lab and/or urban design lab. Interest in one or more of following areas desirable: transportation, general systems, housing, environmental planning, computer applications, site planning, or current topics, such as energy related and growth issues. Master’s degree in City/Regional Planning and significant professional and/or teaching experience required. Specialized area(s) of interest to provide electives desirable. Ph.D., teaching or professional experience, and APA-AICP membership desirable. Closing date: 2-22-80.

Lecturer, $16,368-$24,828. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Electronics. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic courses as well as some of the emphasis areas of communications, digital circuits, microprocessors, and minicomputers. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Lecturer, $16,368-$24,828. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Welding area. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching modern metal joining methods, welding design, power sources, procedure qualification, welding metallurgy, and codes. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Intermediate Vocational Instructor (Assistant Professor), $16,368-$19,680. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Electronics. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic courses as well as some of the emphasis areas of communications, digital circuits, microprocessors, and minicomputers. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Lecturer, $16,368-$24,828. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Welding area. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching modern metal joining methods, welding design, power sources, procedure qualification, welding metallurgy, and codes. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

Lecturer, $16,368-$24,828. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Manufacturing Processes and other mechanical areas. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching basic courses as well as some of the emphasis areas of communications, digital circuits, microprocessors, and minicomputers. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

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Intermediate Vocational Instructor (Assistant Professor), $16,368-$19,680. Engineering Technology Department, School of Engineering and Technology. Full-time position teaching lecture and laboratory courses in Welding area. Successful applicants must have the theoretical knowledge and practical skills to qualify for teaching modern metal joining methods, welding design, power sources, procedure qualification, welding metallurgy, and codes. Pertinent technical level industrial experience required. Master’s degree in Engineering or Technology, teaching experience in Engineering Technology and PE license given preference. Position available September 1980. Closing date: 4-21-80.

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PROPOSAL WRITING SEMINARS. In an effort to provide more support for faculty and staff intending to write proposals for outside funding, several seminars on proposal writing will be offered in the Winter Quarter. The seminars, given by the Coordinator, Research Development, will cover the basics of grantsmanship during a three-hour session, including getting organized, finding a sponsor, writing the narrative and budgeting the project. The seminars will conclude with a case study.

The seminars will be repeated according to the following schedule.

- 2/11/80 - Monday: Fisher Hall, Rm 292 - 1:00 to 4:00 p.m.
- 2/19/80 - Tuesday: Fisher Hall, Rm 292 - 2:00 to 5:00 p.m.
- 2/27/80 - Wednesday: Fisher Hall, Rm 292 - 9:00 to 12:00 a.m.
- 2/28/80 - Thursday: Fisher Hall, Rm 292 - 9:00 to 12:00 a.m.

All interested are welcome to participate—the seminars offer an opportunity to both develop and improve proposal writing skills.

VISIT FROM ASSOCIATED WESTERN UNIVERSITIES (AWU) EXECUTIVE DIRECTOR. On Friday, February 8, Dr. Donald Walker, Executive Director, will be on campus to discuss the Associated Western Universities' programs for faculty and student participation in the research activities at Department of Energy laboratories, both government and private. The program offers a ready opportunity for faculty and student access to excellent research facilities at over 20 laboratories. Please announce this opportunity to any students interested in participating in research at any of the energy laboratories listed in last week's Encouraging Notes.

The meeting will be held from 10:30 to 12:00 a.m. in Architecture 224.

DIVISION OF RESEARCH - STATE, LOCAL AND REGIONAL STUDIES. Both gifts and matching and outright grants averaging $30,000 are being awarded to support projects that foster understanding and further knowledge of the history and customs of regions and communities in the United States. Projects involving the cooperation of scholars and other citizens in developing and using new humanistic knowledge about state, local, and regional communities are encouraged. Individuals may apply; however, applications tend to be strengthened by evidence of collaboration involving scholars, members of historical organizations or museums and other professionals concerned with the study of the nation's history.

For further information, contact Harold Cannon, Director, at (202) 724-0226.

U.S. GEOLOGICAL SURVEY - UNSOLICITED RESEARCH. Grants and contracts are awarded to universities and private industries to support basic and applied research resources and technology. Research plans for FY 1980 stress: 1) studies of the dynamics of estuarine water quality and response of this eco-system to water quality changes; 2) high and low level nuclear water disposal research; 3) problems of regional ground aquifer; and 4) continued basic research on water related problems.

For further information, contact Department of the Interior, U.S. Geological Survey, Division of Water Resources, Deputy Assistant Chief Hydrologist for Research, 5A422, Mail Stop. No. 413, National Center (750), Reston, VA, 22092.
OFFICE OF HYDROLOGY - UNSOLICITED RESEARCH PROPOSALS. Contracts are being awarded to private, public, nonprofit organizations or individuals to conduct applied research concerning the hydrologic cycle relevant to improving the operational hydrologic forecast services provided by the 13 River Forecast Centers. Some of the most pressing research needs for the future are: 1) refining and implementing improved techniques for using precipitation measurements from remote sensors such as radars and satellites and improving quantitative precipitation forecast procedures for intense storms; 2) developing and evaluating estimation theory applications to hydrologic forecasting; and 3) continuing to improve, with physically based and computerized methodology, the techniques necessary to make reliable forecasts down to the scale of flash floods including those potentially resulting from dam breaches. Potential contractors wanting to be notified of RFPs should write to Michael Hudlow, Room 530B, Gramax Building, 8060 13th Street, Silver Spring, MD, 20910.

NATIONAL SCIENCE FOUNDATION - SOCIAL AND ECONOMIC SCIENCES. Unsolicited research proposals are being invited from colleges and universities; nonprofit, nonacademic research organizations; and private profit organizations for research in the following areas:

**ECONOMICS:** To improve understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part, especially where the results will be applicable to problems of general interest and importance. The program emphasizes strengthening the theoretical foundations of economics and the methods for analyzing and modeling economic behavior.

**GEOGRAPHY AND REGIONAL SCIENCE:** To increase understanding of the location and spatial variations of physical and social phenomena and of the interactions between man and environment. The program seeks improved understanding of land-use patterns, human migration, regional economics, location decisions, and the fundamental processes underlying geographic distributions.

**POLITICAL SCIENCE:** To understand the political processes by which societies coordinate their activities through governments. Research areas supported include studies of governmental institutions and their effects on social life, investigations of the effects of structural factors on political participation and effectiveness, and explorations of how political processes are modified in response to economic and social change.

U.S. OFFICE OF EDUCATION - NATIONAL DEMONSTRATION PROJECTS/SPECIAL SERVICES FOR DISADVANTAGED STUDENTS. Applications are invited from institutions of higher education and combinations of such institutions for FY 1980 projects that institutionalize the supportive services provided to participants by utilizing faculty members as mentors to provide academic, career, and personal guidance and counseling. The Commissioner encourages the submission of Special Services Demonstration Projects that provide encouragement to and preparation of freshmen, sophomores, and juniors to enable them to enter graduate and professional schools to pursue and complete programs of study in those areas in which disadvantaged persons, particularly minorities, are underrepresented. MARCH 14, 1980

U.S. OFFICE OF EDUCATION - NATIONAL DEMONSTRATION PROJECTS/UPWARD BOUND. Applications are invited from institutions of higher education, combinations of higher education, public and private agencies, and in exceptional cases, secondary schools for FY 1980 projects. Participants will be low-income high school youths who have an exceptional potential or demonstrated aptitude to pursue careers requiring a proficiency in natural and applied sciences. DEADLINE: MARCH 14, 1980

Information requested and should be available soon.

Contact agency directly.