

cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407

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May 19, 1977

RATHBUN WILL HEAD AG ED

Appointment of Larry P. Rathbun as head of the Agricultural Education Department at Cal Poly has been announced by President Robert E. Kennedy. Dr. Rathbun, a member of the university faculty since 1970 and acting head of the Agricultural Education Department since last fall, has already assumed his new permanent title, according to Howard C. Brown (Dean, Agriculture and Natural Resources). Dean Brown joined Hazel J. Jones (Vice President for Academic Affairs) and a faculty committee in recommending the appointment.

Dr. Rathbun succeeds Dr. Osmund Gilbertson, who left the Cal Poly faculty last summer to take a position at the University of Nebraska. A native of Modesto, the new department head is a graduate of Modesto Junior College. He continued his education at Cal Poly, where he earned both bachelor's and master's degrees, and Ohio State University, where he completed his doctor's degree in agricultural education. Before moving to Cal Poly, he spent three years as director of vocational agriculture for the Los Banos Unified Schools and two years as director of agriculture at Rio Vista High School.

A specialist in poultry, Dr. Rathbun also spent leave and vacation periods as a consultant to the United States Agency for International Development, as a community college teacher in Merced and Modesto, and as director of special workshops for high school agriculture directors. While at Cal Poly, he has been a member of the Academic Senate and other university-wide committees involved in the coordination of secondary education programs, commencement planning, and agricultural education programs.

PARKING IDENTIFICATION COLOR CHANGE

The California Vehicle Code, section 21458, has recently been revised, and states that parking for the physically handicapped shall be colored blue. Currently, on campus, staff parking spaces are colored blue, and spaces for the handicapped are colored green. This issue was discussed at the Apr. 14 meeting of the Campus Planning Committee, which recommended a proposal to paint staff curb parking spaces dark brown in lieu of blue, and curb parking spaces for the handicapped blue in lieu of green. The recommendation was subsequently approved by President Robert E. Kennedy.

The curb and tirestop color change will occur during the Summer Quarter in order to be completed by the Fall Quarter. The brown-colored curbs for staff parking will be further identified with the letters "STAFF" stenciled on the curb in white paint.

SPRING BAND CONCERT HAS VARIED FARE

An evening of musical entertainment with works ranging from Richard Wagner to George Gershwin has been planned by the Cal Poly Symphonic Band for its annual Spring Concert on Saturday (May 21). The concert will feature Ronald Johnson of Modesto Junior College as guest conductor and Ronald V. Ratcliffe (Music) as the guest piano soloist. Also featured will be two ensembles composed of members of the Symphonic Band -- the University Winds and the Percussion Ensemble.

Tickets for the concert, which will be held in Chumash Auditorium at 8:15 pm, are priced at \$3 for adults and \$1.50 for students. They are available at the University Union ticket office and from members of the band. They will also be available the night of the performance at the University Union ticket office.

William V. Johnson (Music) conductor of the Cal Poly band, said Ronald Johnson will conduct the band in "*A La Bataglia*" by Heinrich Isaac, the *First suite in E-flat for Military Band* by Gustav Holst, and "*Huldigungs-marsch*" by Wagner. Ratcliffe, who will join the 85-piece Cal Poly band for its rendition of Gershwin's "*Rhapsody in Blue*," has performed at the Peter Britt Festival in Oregon and the San Luis Obispo Mozart Festival, as well as throughout the Pacific States. Other selections include "*Rocky Point Holiday*" by Ron Nelson, "*Procession of Nobles*" by Nikolai Rimsky-korsakov, and "*Sonitus Revelationis*" (Sounds of Revelation) by William H. Hill.

STAFF SENATE ELECTION INFO

Nominees for staff representatives to the Consultative Committee for Selection of a Dean of Students will be posted Monday and Tuesday (May 23 and 24) at their respective polling places.

ALUMNUS PENS BOOK ON MAYAS

A Cal Poly alumnus and his brother have teamed up to produce a color-illustrated book describing the patterns of life and clothing among the Maya Indians of the Guatemala highlands. Roland Bunch, author of *"The Highland Maya,"* was a student at Cal Poly only two years ago, but at the same time he was working with an organization called World Neighbors. He and his advisor, Charles Atlee (Crop Science) shared a mutual enthusiasm for Guatemala, where they first met before Bunch enrolled at Cal Poly.

Now Bunch and his younger brother, Roger, a medical technician with a deep interest in color photography, have teamed up to produce *"The Highland Maya: Patterns of Life and Clothing in Indian Guatemala."* The 98-page paperback book was published by Josten's Publications of Visalia and is being distributed by the Bunch family via mail order. Published last month, the book may be ordered for \$6.95 plus tax from The Highland Maya, 1410 Kaweah Avenue, Visalia, CA 93277. The book includes chapters on corn, the family, the economy, religious beliefs, and the effect of change on the Mayan people among whom the brothers have lived and worked for nine years.

SCORE: SNOOPY FIVE - BARON TWO

They're selling faster than Snoopy's Sopwith Camel can fly, but tickets for the production of *"You're a Good Man, Charlie Brown"* at Cal Poly are still available. The musical, third production of the season by the Speech Communication Department, will again be presented at the Cal Poly Theatre at 8 pm on Thursday, Friday, and Saturday (May 19, 20, and 21).

The production of Clark Gessner's adaptation of the famous Charles Schultz comic strip stars Dan Smith as Charlie Brown, Cynthia Strain as Lucy, Don Potter as Snoopy, David Critchlow as Linus, and Elaine Hammermaster as Patty with Ed Cardoza as Schroeder. Tickets for the performance, priced at \$3 for adults and \$2 for students, are on sale at the University Union ticket office.

YEAR END CUTOFF FOR PURCHASES

To help close out the year in an orderly way, petty cash transactions for the current fiscal year will be cut off as of May 31, according to James R. Landreth (Director, Business Affairs). Therefore, all individuals who have completed transactions for which they are due petty cash reimbursement should process the necessary paperwork through the Purchasing Office and the university Cashier not later than 4:30 pm on Tuesday (May 31). All petty cash purchases made during June will be charged against 1977-78 budget year accounts.

All purchase requisitions for expenditure of 1976-77 fiscal year funds should be received in the Purchasing Office by 5 pm on Tuesday (May 31). Chargebacks for copying, duplicating, and campus storeroom supplies will be cut off on Wednesday (May 25) for the 1976-77 fiscal year. All such transactions after that date will be charged against 1977-78 budget year accounts.

BURGNER MERIT AWARD UPPED

In Dec. 1975, Harold L. Burgener (Assistant Administrative Analyst) received a \$540 award from the State Merit Award Board. The Merit Award Board and the State Board of Control have now authorized a supplement award of \$460. Presentation of the award was made by James R. Landreth (Director, Business Affairs) at the Staff Senate meeting on Wednesday (May 18). Burgener submitted a computer program designed to interface the state Controller's payroll system with the CSUC Allotment Expenditure Ledger Reporting System.

The award of \$1000 is the most a Cal Poly employee has ever received. The two boards concerned have also proposed an additional award of \$330 to Burgener, which will have to be approved by the state Legislature early in 1978. Awards made by the Merit Award Board recognize suggestions from state employees that result in a saving of either manpower or funds, or contribute to employees' safety. All employees are encouraged to submit ideas or suggestions on forms which are available in the Personnel Office and in the office of the Director of Business Affairs.



HEALTH PLAN FEES INCREASE

The optional annual health care plan offered to students by the Student Health Center will be increased from \$40 to \$45 for 1977-78, according to Everett M. Chandler (Dean of Students). He said the cost increase for the plan was included in the Student Health Center budget approved this week by the board of directors of the Cal Poly Foundation. A quarterly health card available under the plan will increase from \$17 to \$18. The health card plan is participated in by over 6,000 students each year, making possible an economic way of providing services in addition to the basic plan available to all enrolled students, Dr. Chandler noted.

Even with the increase in cost of the plan to students, the health card plan is a bargain by comparison with other health plans, according to Chandler, who said, "Students who take a chance on not participating in the plan often find themselves faced with severe financial burdens when illness or injury strikes." Students without the health card protection pay fees for additional services when they use them. Also scheduled for a 1977-78 increase are prescription charges in the Health Center pharmacy - in order to meet the rising costs of drugs, medicines, and labor. The charges will rise from cost plus \$.60 to cost plus \$.70 for health card holders, and from cost plus \$2.70 to cost plus \$2.90 for non-card-holders.

WITHDRAWAL PROCEDURES TIGHTENED

Guidelines for use by department heads in considering student requests to withdraw from courses after the quarter census date have been approved by President Robert E. Kennedy. Currently, the withdrawal procedure involves the instructor and the department head in determining whether the reasons for withdrawal are "serious and compelling" according to a systemwide executive order. Lack of uniformity in such determinations has been a problem in the past. The approved guidelines, which were recommended by the Academic Council, cover acceptable reasons under four headings:

MEDICAL: Serious illness or injury of the student or of his/her immediate family which has resulted in inability to make up course work missed. Verification by the Health Service or by the student's personal physician may be required.

FINANCIAL: For many different reasons, a student's financial situation may become so critical that withdrawal from the university is the only recourse. In other cases, withdrawal from a part of the student's course list may be indicated. A student who requests withdrawal after the census date for financial reasons should offer some credible explanation for his/her decision to withdraw.

PERSONAL: Problems of a psychological or other personal nature may indicate withdrawal from a course in order to preserve reasonable progress towards a student's educational goals. Depending on the nature of the problem, appropriate verification by the Counseling Center or the Health Center may be required.

OTHER: Withdrawals are permitted after the third week to correct faculty or administrative error as verified by the appropriate department head or by the Registrar.

WHITE ELEPHANT SALE AT EL CORRAL

El Corral Bookstore will hold its annual White Elephant Inventory Clearance Sale from Monday (May 23) to Friday (June 3). Included in the sale will be a variety of goods, odds and ends, closeout items, and overstocked items - all discounted up to 80%. Regular store hours will be maintained during the sale.

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

Harry Sharp, Jr., Speech Communication, presided at two meetings of the Northern California Forensic Association, held May 6 and 7 in Arcata. Dr. Sharp, co-director of forensics at Cal Poly, is completing a term as president of the NCFA.

Arthur S. Carey, Physics, served as member of a panel to evaluate National Research Council Postdoctoral Research Associateship applications. He served during the 1977 screening period.

William V. Johnson, Music, served as guest conductor during the 1977 Kern County Honor Music Festival. The concert was held on Apr. 30 in the Bakersfield Civic Auditorium.

Robert F. Williams, Management, coordinated the Spring annual meeting of the Business Instructional Computing Council held on campus May 13. In conjunction with the meeting, the Department of Information from the Chancellor's Office, CSUC, conducted a workshop on the systemwide timesharing system and use of the COMPUSTAT data base.

Evelyn D. Reagan, Paula R. Scott, Lynne Gamble, Edward H. Kleppinger, Edward A. Wilk, and Ilene F. Rockman, all Library, have published an article titled "An Interim Solution to an Overcrowded Academic Library" in the April issue of the *California Librarian*.

William R. Armentrout, Education, attended the annual Spring conference of the California Council on the Education of Teachers, held in San Diego, Apr. 21-23.

Alvin A. DeJong, Kurt Kline, and Malcolm G. McLeod, all Biological Sciences, attended the annual meeting of the Southern California Academy of Sciences, May 6-7 at Cal Poly, Pomona. There were sessions and symposia on energy, environment, and endangered species.

Irving J. Kogan and William E. Krupp, both Engineering Technology, attended the Spring Conference of the California Council of Electronic Instructors at Diablo Valley College in Pleasant Hills, May 6-7.

Robert B. Leoneslo, Metallurgical and Welding Engineering, delivered a presentation titled "Material Considerations for Flat Plate Solar Collectors" at the Vandenberg Solar Energy Workshop, held for industrial educators, May 14.

Alfred M. Bachman, Mathematics, spoke at the annual meeting of the National Council of Teachers of Mathematics in San Diego during Apr.

Edward L. Mayo, History, gave a paper titled, "Old Fashioned Republicanism and the Jacksonian Revolution: A View from Washington City," at the 1977 meeting of the Western Social Science Association in Denver, Apr. 21-23.

Verlan H. Stahl, Head, Foreign Languages, and **Claudio Y. Silva, Foreign Languages**, attended the California Foreign Language Teachers Association conference in San Diego, Apr. 22-24.

James B. Lau, Management, has been conducting seminars on the topic of "Recurring Themes in Personal Growth Education for Executives" at Treasure Island, San Francisco, Nov. 11, and in Sacramento, May 18.

William Carl Wallace, Head, Educational Opportunity Program and Disabled Student Services, attended the annual meeting of the College Opportunity Grant Advisory Committee in Sacramento, May 6. The COGAC advises and makes recommendations to the California Student Aid Commission on the selection criteria and process for selecting low-income and disadvantaged grant recipients.

Pauline Shaffer, Foundation Food Services, has joined, as dietician, with 19 others to make up the Cal Poly Health Services Council. This consultative body, 13 of whom are students, addresses concerns of health education, prevention of illness, wellness, and delivery of medical care, in a quest for need identification.

Barton C. Olsen, History, attended a joint conference of The California State University and Colleges and the University of California on the subject of "Entering Freshmen: Their Specific Education," held at Kellogg West, Apr. 29-May 1. Dr. Olsen also attended a similar conference at Lake Arrowhead in Dec. He is working with groups from both systems of higher education in his capacity as chairman of the CSUC Educational Policies Committee.

Calvin H. Wilvert, Social Sciences, attended a faculty forum sponsored by the Atlantic Richfield Oil company and held in Los Angeles. Dr. Wilvert made a presentation titled *Reclamation of Arid Lands Which Have Been Strip Mined for Coal* and another titled *The Need for a Land Ethic*.

Donald R. Floyd, Social Sciences, attended the annual meeting of the California Council for Geographic Education held May 6-8 in San Jose. Dr. Floyd chaired a session on cultural geography.

Larry R. Voss, Executive Assistant to the President, has been elected as President of AID-United Givers for San Luis Obispo County. The announcement was made at the Annual Dinner meeting for AID on May 6. Voss has been on the AID Board of Directors for six years and was Vice President last year.

Harry L. Fierstine, Biological Sciences, attended the annual Western Conference of the Association of American Medical Colleges at Asilomar, Apr. 24-27.

Annjennette S. McFarlin, Speech Communication, was the keynote speaker at the third Annual NAACP Life Membership Banquet on Saturday, Apr. 30, at Vandenberg Air Force Base. The title of Dr. McFarlin's speech was "The Developmental Roots of the NAACP and Their Relationship to the Survival of Blacks in America."

Louanna Corey, Health Center, has been notified by The National Board of Pediatric Nurse Practitioners and Associates that she has successfully completed the National Qualifying Examination and is now a Certified Pediatric Nurse Practitioner.



Allen D. Miller, Mathematics, and his wife, Trudy Miller, have been appointed as Danforth Foundation Associates. The appointment is for a six year term.

Stanislaus J. Dundon, Philosophy, presented a paper, *Essentialism after Newton*, at the spring meeting of the West Coast History of Science Society at the University of California, Santa Barbara Apr. 30.

Phillip K. Ruggles, Graphic Communications, has been named a contributing editor for *Printing Impressions Magazine*, the largest periodical serving the printing, publishing and packaging industries. The monthly column, titled "Estimating Clinic" will cover an array of topics involved in the estimating, pricing and costing of printed products.

John R. Healey, Journalism, attended the annual convention of the California Press Photographers Association held at Lake Tahoe, May 6 and 7. Healey attended a photojournalism seminar Apr. 30 sponsored by the San Jose State student chapter of the National Press Photographers Association.

Jorge Jarpa-Grosses, Foreign Languages, and **Carol Lutrin, Political Science**, presented a paper titled *Conflict Without War: The United States and Chile, 1970-73*, to the International Studies Association (West). Dr. Lutrin chaired the panel on Conflict and Conflict Resolution at which the paper was presented. The meeting took place at the University of Southern California on Apr. 20-23.

Ian C. Begg and Fred Friedman, both Engineering Technology, attended the Instrument Society of America Spring Industry-Oriented Conference and Exhibit at Anaheim on May 4.

CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

Candidates for positions on the faculty of the university are presently being sought, according to Donald L. Shelton (Director, Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. This university is subject to all laws governing affirmative action and equal opportunity, including but not limited to Executive Order 11246 and Title IX of the Education Amendment Act. All interested persons are encouraged to apply.

Lecturer, \$904-\$1450/quarter, dependent on qualifications, Business Administration Department, School of Business. Part-time positions available for Fall, Winter, or Spring Quarters, 1977-78 Academic Year. Duties include teaching Business Law Survey (Bus 201) or Business Law (Bus 207). J.D.(L.L.B.) with successful completion of a state bar examination. Professional and/or teaching experience in Business Law preferred. Closing Date: 6/30/77.

Lecturer, \$1206-\$1450/quarter, dependent on qualifications, Business Administration Department, School of Business. Part-time position, Fall Quarter 1977. Duties include teaching a four-unit evening course Real Estate Appraisal (FPM 333). Bachelor's degree required, master's degree preferred. Extensive real property appraisal experience and/or appropriate professional designations preferred. Closing Date: 6/30/77.

Lecturer, \$4128-\$5440/quarter, salary quoted is based on 15 unit teaching load and will be adjusted according to assignment, Natural Resources Management Department, School of Agriculture and Natural Resources. Duties and responsibilities include advisement of senior project students. Doctorate preferred and experience in the administration of a regional environmental quality program required. Part-time Fall Quarter position 1977 only. Closing Date: 6/30/77.

Lecturer, \$4524-\$5440/quarter, salary quoted is based on 15 unit teaching load and will be adjusted according to assignment, Psychology Department, School of Human Development and Education. Part-time position for Fall Quarter and possibility of Winter Quarter, 1977-78 Academic Year. Duties and responsibilities include teaching four or more units per quarter in Introductory Psychology. Preference given to candidates with graduate work beyond master's degree and work experience in academic or other professional position. Closing Date: 7/15/77.

Lecturer, \$21,576-\$26,052/year, depending on qualifications, Journalism Department, School of Communicative Arts and Humanities. Full-time visiting professor for 1977-78 Academic Year to teach history of journalism, reporting, editing, and a wide range of other journalism courses. Requirements: Ph.D. in Mass Communications, 10 years or more college journalism teaching, 3 or more years of working experience for mass media, evidence of regular scholarly activity. Position available: 9/1/77. Closing Date: 6/22/77.

Lecturer, \$21,576-\$26,052/year, depending on qualifications, Journalism Department, School of Communicative Arts and Humanities. Full-time visiting professor for 1977-78 Academic Year to teach international press, broadcasting, magazine writing, advanced reporting, and journalism in society. Requirements: must be a distinguished journalist with worldwide reputation in foreign correspondence. Association with wire services, network broadcasting, and magazines required. Outstanding service in international journalistic field more important than degree. Position available: 9/1/77. Closing Date: 6/2/77.

STAFF VACANCIES

Vacant support staff positions have been announced by Robert M. Negranti (Staff Personnel Officer). Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2236. Applications should be on official forms. Contact the Personnel Office to obtain a form. This university is subject to all laws governing affirmative action and equal employment opportunity, including but not limited to Executive Order 11246 and Title IX of the Education Amendment.

Clerical Assistant II-B, \$719-\$859/month, English Department, School of Communicative Arts and Humanities. Duties: must supply information regarding school, receptionist duties, typing and taking dictation, and be able to operate various business machines. Requirements: high school graduate, 1 year clerical experience, type 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Proficiency in written standard English desired. Closing Date: 5/26/77.

Departmental Secretary I-B, \$752-\$899/month, Associate Dean's Office, Division of Social Sciences. Duties: receptionist, typing of office correspondence, forms and reports, dictaphone transcription, processing and distributing mail, and maintaining division files. Requirements: high school graduate, 1 year clerical experience, type 45 wpm, shorthand 90

wpm, and must have taken the General Clerical Test. Closing Date: 5/26/77. Temporary full-time position: 6/20/77 to 9/2/77.

Intermediate Account Clerk, \$673-\$804/month, Financial Operations, Business Affairs. Duties: assist in preparing data for entry into expenditure accounting system, batch transactions and balance to output, analyze departmental accounts on request, and assist in mailing, pickup, and delivery operations for computer input and output. Requirements: high school graduate, one year experience in accounting or statistical record keeping, and must have taken the General Clerical Test. Closing Date: 5/26/77.

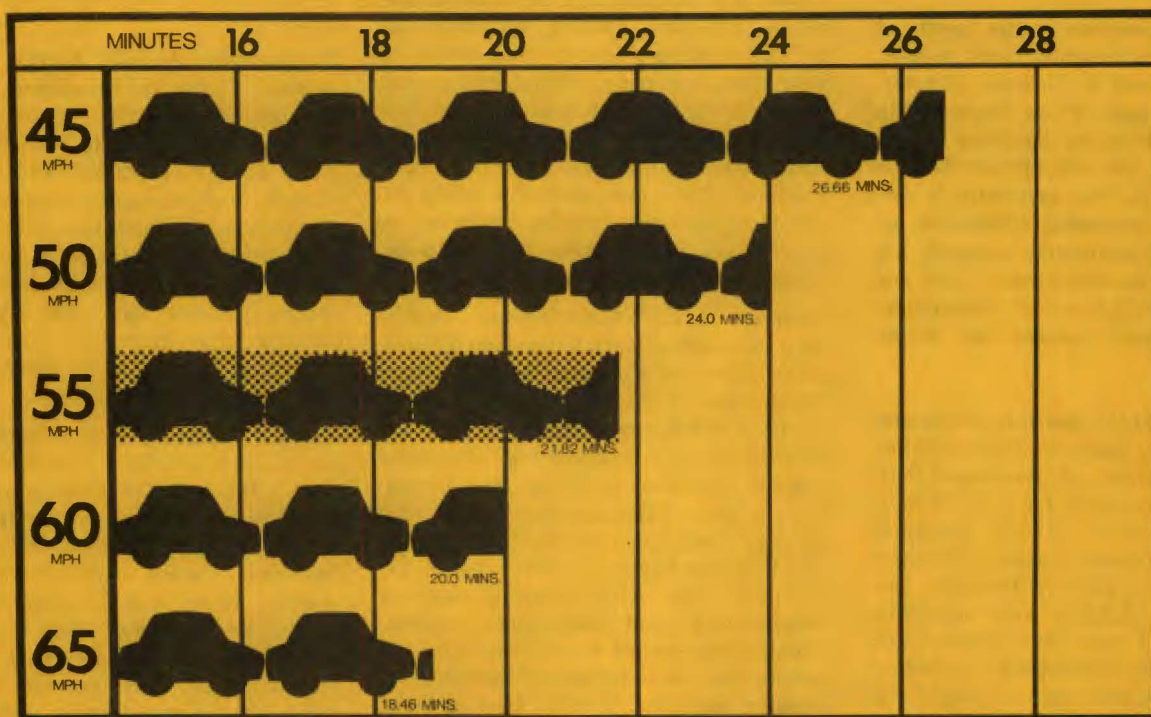
Clerical Assistant II-A, \$673-\$804/monthly, Extension Office, Continuing Education. Duties: relay information on External Degree Program in Nursing, California State College, Bakersfield, arrange meetings, classes, and audiovisual needs, typing, filing, and keeping student records. Requirements: high school graduate, college and/or experience of at least 1 year, type 45 wpm, and must have taken the General Clerical Test. Must be able to work without constant supervision. Position is half-time, compatible to college routine, flexible. Closing Date: 5/26/77.

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 212, 546-1121. The 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.

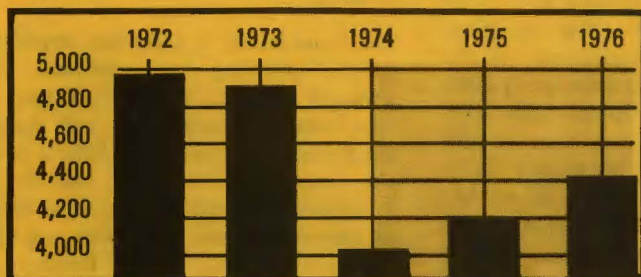
Clerical Assistant II-A, \$673-\$804/month, Administrative Office. Primary duties: receptionist, process mail, maintain office files and logs, type and distribute correspondence and reports, assist with general clerical functions. Requirements: high school education or equivalent with one year of clerical experience and minimum typing speed of 45 wpm. Applications accepted through June 2, 1977.

General Textbook Assistant, \$735-\$879/month, Bookstore. Duties: record and compile information for data processing input, syncor and telex machine transmissions, supervise textbook clerks, process refunds, assist with inventory, purchase used books. Requirements: high school, minimum of two years of college bookstore experience, thorough knowledge of office management methods, telex and syncor experience preferable, ability to work independently. Applications accepted through June 2, 1977.

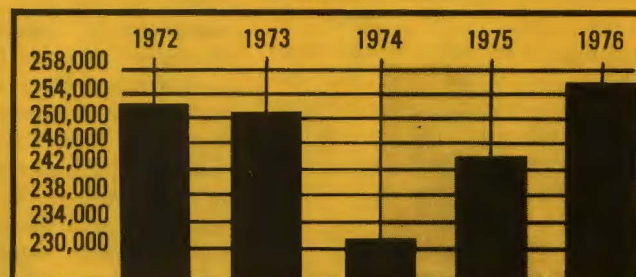
SPEED COMPARISON CHART FOR A 20 MILE TRIP



DEATHS



INJURIES



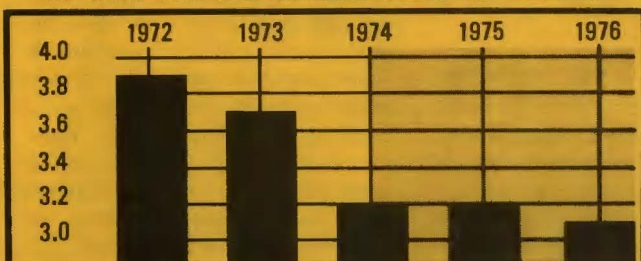
MILES TRAVELED



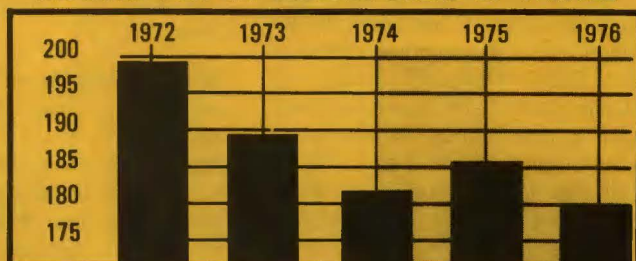
AVERAGE SPEEDS



DEATH RATE
DEATHS PER 100 MILLION MILES OF TRAVEL



INJURY RATE
INJURIES PER 100 MILLION MILES OF TRAVEL



SHADED AREA REFLECTS THE SPEED LIMIT CHANGE IN 1974 TO 55 MPH.

encouraging notes

May 19, 1977

JAPAN - U.S. FRIENDSHIP COMMISSION. The first formal cycle for this program will be *October 1977*. Copies of the program brochure will be available in June. The four general areas of support are: Japanese Studies of American Education; American Studies of Japanese Education; Fine Arts; Public Affairs projects which lead to better understanding between the Japanese and American people. For further information, contact: Frank Tenney, Director, 1875 Connecticut Avenue, NW, Suite 709, Washington, DC, 20036. (202/673-5295).

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NIMH - CENTER FOR STUDIES OF THE MENTAL HEALTH OF THE AGING. The National Institute of Mental Health supports research in aging and mental health. The Center has received about \$2 million in research funds for the rest of FY 1977. The Center hopes to expand its activities in FY 1979 to include some training activities. For the time being, they are interested in research proposals. The next deadline is *July 1, 1977*. Preliminary proposals and concept papers should be submitted first. In general, NIMH is interested in: effects of psycho-social and biomedical factors on mental health in later life; prevention of mental disorders in aging; etiology of mental disorders; and treatment of mental disorders. For information and applications, contact: Dr. Barry Lebowitz, Research Specialist, Center for Studies of the Mental Health of the Aging, NIMH, 5600 Fishers Lane, Parklawn Building, Rockville, MD, 20857. (301/443-3726).

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NSF - EARTH SCIENCES. A *July 1, 1977*, deadline has been announced for unsolicited research proposals in the earth sciences. Proposals will be accepted in the Geochemistry Program (contact: Allan M. Gaines 202/632-4213); Geology Program (contact: John F. Lance 202/632-4218); and Geophysics Program (contact: Roy E. Hanson 202/632-4219). Application materials may be obtained by writing the appropriate individual and program, National Science Foundation, 1800 G Street, NW, Washington, DC, 20202.

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NATIONAL TRUST FOR HISTORIC PRESERVATION. An *August 1* deadline has been announced for applications from individual students or groups of students for grants from the National Trust for Historic Preservation. Awards are available for: (a) preservation and restoration in process or completed; (b) traditional building crafts; (c) rehabilitation and city planning demonstrating concern for preservation of old structures; and (d) archaeology, historical horticulture, or other subjects related to interpretation of a site or building. For further information and application materials, contact: Iconographer, Education Services Division, National Trust for Historic Preservation, 740-748 Jackson Place, NW, Washington, DC, 20006.

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NIEHS - HEAVY METALS IN SOIL STUDY. The National Institute of Environmental Health Sciences has set a due date of *July 18* in response to RFP-NIH-NIEHS-77-25, for a study of the Fate of Heavy Metals and Heavy Metal Complexes in Soils and Plants. Purpose of the study is to determine the rate and extent of uptake of



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metals in plants to determine the effects of metals on soil microbiota and soil microbial processes, to determine the nature of metals bond types and chemical forms of metal metabolites in plant and microbial tissues, and to determine the potential for soil formation of organometal complexes and subsequent uptake of these compounds by plants and entrance into the human food chain. The study will take an estimated five years to complete. Write: NIH, Research Contracts Branch, DCG, Building 31, Room 1B32, Bethesda, MD, 20014.

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NSF - PUBLIC UNDERSTANDING OF SCIENCE. The National Science Foundation has set *August 1* as the next deadline for submission of proposals to its Public Understanding of Science Program. The program seeks to increase public understanding of the scientific and technological components of major public policy issues and to increase public understanding of the methods and activities of scientists and engineers and their effects upon everyday life. Proposals may be submitted by colleges, universities, laboratories, museums, State and local government agencies, and professional associations and societies, citizens' groups and other organizations interested in improving the public understanding of science. Proposals may generally be grouped in the following three categories, but the list is not meant to exclude ideas which are consistent with Program objectives and lie outside the categories.

- (1) IMPROVING THE PUBLIC UNDERSTANDING OF SCIENCE. This category includes projects concerned directly with improving the public's understanding of the processes and activities of science and technology, especially with respect to major issues of personal and public concern. Projects may include: (a) radio and television programs; (b) newspaper and magazine reporting and other written presentations; (c) museum and science center exhibits and activities; (d) dramatic and film presentations; (e) lectures, forums, conferences, and workshops.
- (2) IMPROVING MODES OF COMMUNICATION WITH THE PUBLIC. This category includes projects intended to increase the scope, level, and quantity of communication between scientists and non-scientists. Eligible for support are any and all modes of communication with the public, including but not limited to projects designed to: (a) increase the effective participation of scientists and engineers in meeting public needs for information; (b) improve the scientific background and skills of newspaper, radio, and television editors, reporters and commentators; (c) improve the skills and prestige of professional science writers; (d) improve the ability of existing channels of communication to interpret and distribute scientific information to the public; (e) test new and innovative mechanisms to communicate effectively with the public.
- (3) STUDIES OF THE COMMUNICATION OF SCIENTIFIC INFORMATION TO THE PUBLIC. This category includes all types of research and analysis dealing with the flow of scientific and technological information to the general public, including but not limited to: (a) studies of the nature and interests of different public audiences; (b) assessment of public needs for information about the activities and issues raised by science and technology; and (c) evaluation of the costs and benefits of alternative channels and techniques of public communication.

For additional information, contact: Public Understanding of Science Program, Office of Science and Society, NSF, Washington, DC, 202/282-7920. Guidelines are available for review in Administration 317.

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WOODROW WILSON CENTER - RESIDENT FELLOWSHIPS. The Woodrow Wilson International Center has set a deadline of *October 1* for applications to its Resident Fellowship Program. The program enables scholars and professionals to spend four months at the Center in Washington, spending full time on research and writing. Applicants from academic institutions must possess the doctoral degree; applicants from non-academic areas must have achieved a degree of professional achievement equivalent to the doctorate. Fellowship stipend is based on the fellow's income during the previous year. The program operates within the following broad areas:

- (1) DIVISION OF HISTORICAL AND CULTURAL STUDIES. Supports research/writing in history, literature, philosophy, religion, and other humanistic areas and the creative arts.
- (2) DIVISION OF SOCIAL AND POLITICAL STUDIES. Supports research/writing in political science and international relations, sociology, anthropology, economics, psychology, and other disciplines.
- (3) RESOURCES, ENVIRONMENT, AND INTERDEPENDENCE. Supports research/writing from a wide variety of disciplinary and cultural perspectives in the areas of environment, economic growth, resource availabilities, uses of the sea, food, and fiber policies, and other topics.
- (4) KENNAN INSTITUTE OF ADVANCED RUSSIAN STUDIES. Supports research on Russia and the USSR, particularly in the social sciences and humanities.
- (5) LATIN AMERICA AND THE CARIBBEAN. A new program supporting studies of political, economic, and cultural life of this area.

Further information and application materials on the Kennan Institute may be obtained by contacting: Kennan Institute of Advanced Russian Studies, Room 320, Smithsonian Institution Building, Washington, DC, 20560, 202/381-5466. For other divisions, contact: Woodrow Wilson International Center for Scholars, Smithsonian Institution Building, Washington, DC, 20560, 202/381-6247.

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NEH - SUMMER STIPENDS FOR 1978. An *October 17* deadline has been announced for applications for humanities faculty at two- and four-year colleges and universities for NEH Summer Stipends for 1978. The stipend provides \$2,500 for two consecutive months of full-time study and research. For further information and application materials contact: Marjorie Berlincourt, Summer Stipends, NEH, 806 - 15th Street, NW, Washington, DC, 20506. 202/382-3771.

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FORD FOUNDATION - STATE ENVIRONMENTAL RESPONSIBILITIES. Noting that state governments are beginning to play a critical role in environmental management, the Ford Foundation has instituted a nationwide competition for a total of \$775,000 in grants for policy analysis of state environmental responsibilities. The program seeks to encourage the university community to contribute its research skills to the environmental policy issues now facing states, an area where researchers have in the past been inactive. Universities and colleges must submit preliminary proposals outlining suggested projects by July 15; limited numbers of these applications will then be invited to submit formal proposals, which will be due *November 1, 1977*. Awards will be announced in early December. For more information, write: Ford Foundation, 320 East 43rd Street, New York, NY, 10017. Attention: Marshall Robinson, Vice President for Resources and Environment.

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NHTSA - AUTO FUEL ECONOMY RESEARCH. National Highway Traffic Safety Administration is seeking sources to conduct research, obtain data and develop means for assessment

of the following: (1) consumer behavior (attitudes, preferences and responses) towards vehicles (passenger and non-passenger) which incorporate modifications required for fuel economy improvements; (2) the corporate decision-making process of domestic and foreign automotive manufacturers, in order to assess possible product planning, marketing, manufacturing, engineering and financial strategies which manufacturers might adopt in response to the market place, Federally-mandated fuel economy standards, and other government policies such as a gasoline tax or an automotive excise tax; (3) competition in domestic and foreign automotive corporations and impacts on competition in response to the above-mentioned factors; and (4) tangible and intangible impacts on consumer's lifestyles and vehicle usage patterns, resulting from modifications required for fuel economy improvements. For information, write: NHTSA, Room 5301, Office of Contracts and Procurement, 400 Seventh Street, SW, Washington, DC, 20590.

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GE - SIMULATION RESEARCH GRANTS. The General Electric Company has announced an *August 1* deadline for proposals to improve the quality of computer simulation work by making possible the demonstration of new techniques, the development of new tools, the application of the techniques of digital simulation to new problems, and the dissemination of information concerning these tools, techniques, and applications. For more information, write: Dr. Marvin W. Bunker, Grants Committee Chairman, Annual Simulation Symposium, General Electric Company, Post Office Box 2500, Daytona Beach, Florida, 32015.

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NEA - EXPANSION ARTS FY 1979. The National Endowment for the Arts has issued a deadline calendar for several components of its Expansion Arts Program for FY 1979. Further information and application materials may be obtained from: Mr. Vantile Whitfield, Director, Expansion Arts Program, National Endowment for the Arts, Mail Stop 606, Washington, DC, 20506. 202/634-6010

- 10/1/77 COMMUNITY CULTURAL CENTERS. Matching grants of up to \$50,000 to assist multi-art, community-based arts or cultural centers. Notification: 9/30/78.
- 10/1/77 NEIGHBORHOOD ARTS SERVICES. Matching grants of up to \$50,000 to assist organizations that provide administrative, developmental, promotional, and programmatic services for a broad variety of operating community arts groups. Notification: 9/30/78.
- 10/1/77 REGIONAL TOUR EVENTS. Matching grants of up to \$15,000 to bring together community arts groups of all types from a specific region to a central site to present festival-type events coordinated by a local sponsor. Notification: 3/1/78
- 10/1/77 SPECIAL SUMMER PROJECTS, SUMMER 1978. Matching grants of up to \$20,000 to assist outstanding professionally directed projects taking place exclusively during the summer that provide training and/or active participation in one or more art forms. Notification: 3/78
- 10/1/78 SPECIAL SUMMER PROJECTS - SUMMER 1979. Notification: 3/79
- 11/15/77 INSTRUCTION & TRAINING. Matching grants to community arts projects that specialize in professionally led workshops and classes on a regular basis. Notification: 9/30/78
- 11/15/77 ARTS EXPOSURE. Matching grants to organizations engaged in presentations.
- 11/15/77 STATE ARTS AGENCIES. Matching grants to explore and expand State arts agencies' Expansion Arts programming. Notification: 9/30/78