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PROMINENT SPEAKERS WILL ADDRESS MEASUREMENT SCIENCE CONFERENCE

The deputy director of the National Bureau of Standards (NBS) in Washington, and the national presidents of four major professional societies will be among the featured speakers when Cal Poly hosts the first annual Cal Poly Measurement Science Conference on Friday and Saturday (Nov. 6-7). Multiple sessions will be held Friday morning, afternoon, and evening, and Saturday until 4:30 p.m., in the Cal Poly Theater.

The conference has the active support of the Instrument Society of America (ISA), Western and California Associations of Weights and Measures Officials, Precision Measurements Association (PMA), National Scalesmen's Association, American Society for Quality Control (ASQC), Bureau of Weights and Measures of the California Department of Agriculture, National Bureau of Standards, National Conference of Standards Laboratories (NCSL), and individuals active in the field.

The keynote address Saturday noon will be delivered by Lawrence M. Kushner, NBS deputy director. Four national association presidents will gather Friday evening at 7:30 p.m. for a highlight panel discussion on "What My Organization Expects from a Measurement Science Curriculum." The presidents and their organizations are: Tom Kehoe, ISA; Harold Kittleson, PMA; Jerry L. Hayes, NCSL; and L. I. Medlock, ASQC. Rounding out the panel will be Walter Watson, chief of the Bureau of Weights and Measures of the California Department of Agriculture in Sacramento.

More Than 80 Papers Planned

Panels, addresses, and 23 sections which will be comprised of over 80 presentations of professional papers, make up the programs. Topics include measurement science relationships to man and his environment, product verification, management and technology support, legal aspects, and other individual measurement disciplines. Offering multiple sessions in special interest areas, the conference will emphasize tutorial and definitive papers. However, state-of-the-art or survey papers dealing with application of the technology will also be given.

Tutorial or definitive papers presentations are designed to build a subject area from elementary concepts so that those who attend can proceed to other sessions armed with a knowledge of the basics. Subjects such as pollution and biomedical tests, non-destructive tests, automation in measurement, product qualification tests, data analysis, education and training, measurement systems management, metrication in the U. S., and legal metrology will be investigated.

Measurement science applies to inspection tools, standards, techniques, and applications of physical measurement as used in agriculture, industry, and business, according to Donald E. Morgan (head of the Industrial Engineering Department), who is chairman of the conference.

BOWLS REQUESTS REASSIGNMENT TO TEACHING DUTIES

Woodford E. Bowls, who has been involved in the leadership of physics and other natural sciences programs at Cal Poly for many years, has asked to be relieved of his duties as head of the Physics Department and returned to full-time teaching effective Jan. 1, 1971. Clyde P. Fisher (Dean of Science and Mathematics), who announced the change, said Dr. Bowls' reassignment request has been approved with President Robert E. Kennedy's concurrence.

Announced by Dean Fisher at the same time was appointment of Robert H. Frost, a member of the college faculty since 1953, to be acting head of the Physics Department during the Winter and Spring Quarters of the present academic year. Dr. Frost will serve while the search for a permanent head for the department is assisted by a committee composed of tenured members of the departmental faculty.

A member of the Cal Poly faculty since 1937, Dr. Bowls has been involved in development of Cal Poly curricula, faculty, and facilities in the natural sciences since before World War II. He has served as head of the Physics Department from its formation in 1966 and before that headed the Physical Sciences Department. A graduate of University of California at Berkeley, from which he received three degrees including his doctorate, Dr. Bowls has been a member of many college-wide committees of importance, including the presidential selection committee.

Dr. Frost is also a graduate of University of California at Berkeley, where he earned his bachelor's, master's, and doctor's degrees. Prior to joining the Cal Poly faculty, he was a teaching assistant at UC and a member of the University of Missouri faculty. An active participant in affairs of the college Academic Senate, Dr. Frost was chairman of the senate's Personnel Review Committee during 1969-70, earlier served on its Curriculum Committee, and is a past vice chairman of the Senate.

COUNTY DEVELOPMENT CONFERENCE WILL BE NOV. 11

An annual conference concerned with development of San Luis Obispo County has been scheduled for next Wednesday (Nov. 11) in the Cal Poly Theater, according to George Clucas (Interim Dean of Business and Social Sciences). Dr. Clucas, who is chairman for the event, points out that the one-day conference is jointly sponsored by the San Luis Obispo County Development Association and the communities of San Luis Obispo County, along with the County Planning Department and Cal Poly. This year's conference theme is "Tomorrow as we see it Today -- the Communities and County of San Luis Obispo."

The program opens with registration in the Cal Poly Theater at 8:30 a.m. and will continue through the afternoon. Required registration is \$3 per person, with an optional luncheon for \$2 per person. Tickets for the latter, for which seating is limited, may be obtained by calling 546-2704. Twenty communities are scheduled to present movies and slides showing highlights of community development and expressing plans for the future, Dr. Clucas said.

The conference will open with greetings from Remy Hudson, newly-elected president of the San Luis Obispo County Development Association, and a welcome from Cal Poly President Robert E. Kennedy. County Planning Director Ned Rogoway will conduct a general session on countywide orientation and workshop expectations, with community workshops scheduled during the day. A panel consisting of Rogoway and mayors of various communities will conclude with a discussion of community influences upon the county general plan.

WALLACE, MARTINEZ NAMED CO-DIRECTORS OF EDUCATIONAL OPPORTUNITY PROGRAMS

Appointment of Richard Martinez and Carl Wallace as co-directors of Cal Poly's Educational Opportunity Program has been announced by President Robert E. Kennedy. Their new dual assignment became effective yesterday; Wallace will work primarily with black students and Martinez, principally with Chicano and other students.

Martinez, who joined the Cal Poly administrative staff as director of EOP and ethnic studies in 1969, formerly was field coordinator and Southern Arizona supervisor for Jobs for Progress, Inc., and Operation Service Employment Redevelopment in Tucson, Ariz. He is a graduate of University of Arizona, where he earned both his bachelor's and master's degrees.

Wallace became a member of the college EOP staff early this year. A graduate of Fresno State College, where he completed his bachelor's degree studies, he formerly was on the counseling staff at Paso Robles School for Boys for several years. Wallace expects to receive his master's degree in education from Cal Poly next spring.

Enrollment in Cal Poly's Educational Opportunity Program, which commenced two years ago, increased from 22 to over 40 students during 1969-70. Some 114 students are enrolled under the program this year, according to Martinez and Wallace.

The EOP is for residents of California with priority given to graduating high school seniors from Monterey, San Luis Obispo, Santa Barbara, and Ventura Counties. Although students do not have to be in the top half of their high school graduating class academically, they must be able to show that they have potential for success in an academic program. Any ethnic minority or low-income individual in the state may be eligible.

Through the Educational Opportunity Program, students receive admissions guidance, curriculum advisement and counseling, health references, housing, financial aids, tutoring, job placement, and other services depending on individual needs and available funds.

FRESNO ARCHITECT RETAINED AS CAL POLY ALUMNI ASSOCIATION PRESIDENT

Lew Litzie, a Fresno architect, has been retained for a second two-year term as president of the Cal Poly Alumni Association. Litzie was chosen during a meeting of the association's Board of Directors held in conjunction with the 1970 Homecoming celebration on Oct. 23-24. He was a member of the first class of architects to earn the Bachelor of Science Degree at the college in 1950.

The Cal Poly Alumni Association represents the 26,000 students who have attended the college since its founding in 1901, and maintains an active list of 17,000 former students. The association has as its objective the promotion of the college. It provides scholarships, publications, and auxiliary programs for the college.

Also re-elected by the Cal Poly association's board during its meeting last week were Ron Frazier of Fresno and Owen Servatius of San Luis Obispo, as vice president for the southern district and secretary-treasurer, respectively. A northern district vice president will be named at a later date. Frazier, a 1955 graduate in animal science, is affiliated with Valley Nitrogen, Inc., at Helm, and Servatius, a 1959 graduate in social sciences, is head of Cal Poly's Business Administration Department.

TRUSTEE'S VIEW OF HIGHER EDUCATION WILL BE LUCKMAN TOPIC

"A Trustee Looks at Higher Education" will be the topic when Charles Luckman of Los Angeles, the internationally-known architect, businessman, and public servant, addresses a campus gathering on Thursday (Nov. 5) morning. Being planned for 11 a.m., the program will take place in the Cal Poly Theater. Admission is free, and the public is invited to attend.

Luckman's efforts in his profession, business, and public service have been widely recognized in recent years. In 1964, 1967, and again in 1968, he received the Freedoms Foundation's coveted George Washington Honor Medal for "outstanding public address," making him one of the few three-time gold medal winners in that organization's history.

A native of Kansas City, Mo., Luckman received the highest honor that can be given an architect in 1963 when he was elected to the College of Fellows of the American Institute of Architects. Other groups that have recognized the Los Angeles architect's contributions include the American Schools and Colleges Association, which named him its outstanding management executive; the California State Assembly; and the governments of France, Italy, and England.

Luckman, who graduated with highest honors in architecture from University of Illinois in 1931, found the nation's construction industry suffering from the depression and took a "temporary" job as an advertising designer with Lever Brothers, a large soap manufacturer. That move resulted in an 18-year detour from architecture, but began an unusually-successful career in business that culminated, at age 37, in the presidency of all American subsidiaries of Lever Brothers.

In 1950, at the peak of his business career, Luckman decided to return to architecture. In the ensuing years, his firm, Charles Luckman Associates, has become one of the largest and most distinguished architecture and engineering firms in the United States.

Luckman, who has been a member of the Board of Trustees of the California State Colleges since 1960, has served two terms as chairman of that body. His present term as a member of state college trustees will end in 1974.

Sponsors of the Thursday morning program on which Luckman will speak are the college and the campus chapter of Scarab honorary society for architecture students. The event is the second of a series of such presentations being planned during the 1970-71 college year.

CLERICAL ASSISTANT VACANCY LISTED BY PERSONNEL OFFICER

A vacant clerical assistant's position on the support staff of the college has been listed by S. Milton Piuma (Staff Personnel Officer). The description for the position, which is also posted on the bulletin board located in the Personnel Office, Adm-111, 546-2236, reads:

Clerical Assistant II-A (\$228.50-\$278.00) Home Economics Department, School of Human Development and Education. (one-half time) Duties to include typing, running various office machines, filing, receptionist, general office duties. Applicants must be high school graduates with general clerical experience.

Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon Friday, Nov. 6, in the Office of Information Services, Administration-210.

COMING EVENTS -- COMING EVENTS -- COMING EVENTS

General Election Day -- Tuesday, Nov. 3. Regular day of classes and work for Cal Poly students, faculty, and staff.

Cal Poly Women's Club Sewing Section Meeting -- Tuesday, Nov. 3, 2 p.m., 213 Albert Dr., San Luis Obispo. Regular meeting in home of Mrs. C. H. Gregory. Members invited.

Project #9 Meeting -- Tuesday, Nov. 3, 7 p.m., Air Conditioning Engineering Building Room 110. Talk on "Law Enforcement Problems in Drug Abuse" by San Luis Obispo County Deputy Sheriff Peter Osteyee; presented as part of a series by Cal Poly's Students Who Care organization. Public invited.

Cal Poly Women's Club Newcomers Section Meeting -- Tuesday, Nov. 3, 8 p.m., Ornamental Horticulture Unit. Regular section meeting with program featuring demonstration of dry flower arrangements by Robert Gordon. Members invited.

Lecture on New Computers -- Wednesday, Nov. 4, 5 p.m., Science North Building Room 215. Technical presentation on new System 370 computers by representatives of IBM Corporation; sponsored by the Computer Science and Statistics Department. Faculty and students invited.

CATA Dinner Meeting -- Wednesday, Nov. 4, 6:30 p.m., Staff Dining Room. Quarterly dinner meeting honoring Jack Stone, president of the Western Cotton Growers Council; sponsored by the California Agricultural Teachers Association Region at Large. Members and their guests invited; reservations required.

Agricultural Speaker Program -- Wednesday, Nov. 4, 8 p.m., Cal Poly Theater. Address titled "Agriculture Must Get Organized" by Jack Stone, president of the Western Cotton Growers Council; sponsored by the student council of the School of Agriculture and Natural Resources. Public invited.

Calibration Procedures Distribution Committee Meeting -- Thursday, Nov. 5, all day, Music, Speech, and Drama Building Room 204. Meeting of Calibration Procedures Distribution Committee of the National Conference of Standard Laboratories; hosted by the Industrial Engineering Department. By invitation.

Cal Poly Women's Club Foreign Students Section Meeting -- Thursday, Nov. 5, 10 a.m., 275 Del Mar Ct., San Luis Obispo. Coffee hour for the wives of Cal Poly foreign students. Members invited.

Physics Colloquium -- Thursday, Nov. 4, 11 a.m., Science Building Room E27. Discussion of "The ABM Controversy: A Case Study in Science and Society" by David Hafemeister; sponsored by the Physics Department. Faculty, staff, and students invited.

Cal Poly Staff Club Luncheon Meeting -- Thursday, Nov. 5, 12 noon, Staff Dining Room. Talk titled "What I Expect of College" by Cal Poly student Marvin Muela. Faculty and staff invited.

Cal Poly Convocation Series -- Thursday, Nov. 5, 11 a.m., Cal Poly Theater. Address titled "A Trustee Looks at Higher Education" by architect and businessman Charles Luckman of Los Angeles; sponsored by Cal Poly and its student chapter of Scarab honorary society for architecture students. Public invited.

COMING EVENTS . . . (Continued from Page 5)

Political Science Film and Discussion -- Thursday, Nov. 5, 1 p.m., Engineering Auditorium. Motion picture on Los Angeles County government followed by a discussion by LA County Supervisor Warren Dorn; sponsored by the School of Business and Social Sciences. Faculty, staff, and students invited.

Artists Series -- Thursday, Nov. 5, 7 p.m., Dexter Library Room 126. Program featuring artist David Bodlak; presented as the first of a weekly series of weekly programs sponsored by the Cal Poly Art Club. Public invited.

Measurement Science Conference -- Friday and Saturday, Nov. 6 and 7, all day, Cal Poly Theater. First annual Cal Poly Measurement Science Conference for metrologists from throughout nation; sponsored by Cal Poly. Advanced registration required.

Varsity Cross Country -- Friday, Nov. 6, 11 a.m., course starting and ending at old track near Baseball Diamond. Cal Poly vs. California Lutheran College. Public invited.

Powderpuff Football -- Saturday, Nov. 7, 2 p.m., Mustang Stadium. Annual football game between two teams composed of Cal Poly coeds; sponsored by Cal Poly's Women's Recreation Association. Tickets - 25 cents.

Experimental Drama -- Saturday, Nov. 7, 7 p.m. and 9 p.m., Cal Poly Theater. Improvisational theater presentation by "The Wing," an experimental company from San Francisco; sponsored by the College Program Board Fine Arts Committee of the Associated Students, Inc. Tickets - \$2, public general admission; \$1.25 student general admission.

Livestock Seminar -- Monday through Friday, Nov. 9-13, all day, Erhart Agriculture Building Room 128. Short course on livestock business and operation for Bank of America executives from throughout California; hosted by School of Agriculture and Natural Resources. By invitation.

Cal Poly Women's Club Walking Section Meeting -- Tuesday, Nov. 10, 9 a.m., Cheda Ranch, Highway 1. Meeting at home of Mrs. Herman Rickard for walking tour of the Cal Poly Dairy Project Farm. Members invited.

Cal Poly Women's Club General Meeting -- Tuesday, Nov. 10, 8 p.m., Dexter Library Building Room 129. General membership meeting of the club featuring Mrs. John Merriam's talk on her recent year-long stay in Thailand. Members invited.

Veteran's Day -- Wednesday, Nov. 11. Academic holiday for all Cal Poly students, faculty, and staff; college operations closed except where essential services are needed.

Development Conference -- Wednesday, Nov. 11, 8 a.m., Cal Poly Theater. Conference on economic development of San Luis Obispo County; sponsored by San Luis Obispo Development Association and hosted by Cal Poly. Public invited; reservations required.

College Hour Concert -- Thursday, Nov. 12, 11 a.m., Cal Poly Theater. Concert of varied music presented by Cal Poly Chamber Orchestra, conducted by Clifton E. Swanson and violin soloist David Mallory; sponsored by Cal Poly's Music Department. Public invited.

NATURAL RESOURCES MANAGEMENT DEPARTMENT WILL BE ESTABLISHED JAN. 1

A Natural Resources Management Department will be established at Cal Poly on Jan. 1, 1971. President Robert E. Kennedy announced formation of the new department, and stated, "The rapid growth of the natural resources management major and the importance of the field justifies the establishment of the new department." Natural resources management has been a major in the Soil Science Department since its inception in 1968.

J. Cordner Gibson (Dean of Agriculture and Natural Resources) in whose school the new department will be located, pointed out that interest in the field is so great that "students sought to enroll in the major before it was established. From a beginning of 28 majors in the Fall Quarter of 1968, the enrollment has grown to 161. There are now three full-time faculty members instructing the classes in the major."

Dr. Kennedy named Marvin J. Whalls, who joined the Cal Poly faculty in 1968, as acting department head. Whalls describes the major as preparing students for "the evaluation, development, preservation and recreational use of the woodlands, beaches, deserts, forage, soil and wildlife of the nation." Students within the major prepare for roles as developers of recreational areas or as managers by careful selection of elective subjects available in other departments at the college.

The new department head earned his Bachelor of Science Degree at Michigan State University in 1941, and his Master of Science Degree at the same college in 1947. Whalls has had experience as a fishery biologist in both Michigan and California.

PROSPECTIVE 1971-72 STUDENTS URGED TO APPLY DURING NOVEMBER

Prospective students desiring to enroll in any of the 19 California State Colleges next fall are urged to apply between Nov. 2 and 30, Chancellor Glenn S. Dumke said last week. Students will file a single application at the college of their first choice, listing as many as three alternate choices in order of preference. Applications are available at high schools, community colleges, and state colleges.

All applications submitted in November will receive equal consideration within categories, priorities and quotas established at the campuses, and within systemwide policies giving priorities to veterans and community college transfers. A late filing period will begin Dec. 1 for colleges which do not fill their enrollment categories during November. Applications will be accepted during the late period until quotas are filled.

REMINDER ON DEADLINE FOR CLASS WITHDRAWALS

Next Monday (Nov. 9) is the final day of the seventh week of instruction of the Fall Quarter and the final day that students can withdraw from classes, according to F. Jerald Holley (Director of Admissions and Records). Holley pointed out that the 1970-71 Catalog of courses provides that "Except for college-recognized emergencies, no withdrawals from a course will be permitted after the end of the seventh week of instruction."

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C S C TRUSTEES APPROVE \$369.3 MILLION 1971-72 SUPPORT BUDGET REQUEST

Trustees of the California State Colleges have approved a support budget request of \$369.3 million for 1971-72. This amount would allow the 19 colleges to accommodate more than 27,000 additional students -- bringing total system enrollments to 267,000 next year.

Chancellor Glenn S. Dumke explained that although the board asked for a \$58.7 million increase over 1970-71, over half of this increase, \$32.2 million, is directly due to enrollment growth. The basic support budget totaled \$357.5 million. In addition, \$5.6 million in restorations and \$6.2 million in augmentations were requested.

"Beyond the funding needed for our unprecedented enrollment growth, we are requesting in our basic support budget only that amount needed to cover present-level operational costs," Chancellor Dumke said. Included in this are certain built-in cost factors, such as annual salary adjustments, price increases due to inflation, and operating costs for new buildings.

Request Based on Board Policies

"Our budget request is based upon established policies of the board which include enrollment of as many qualified students as possible and the maintenance of high educational standards," Dr. Dumke said. "We are acutely aware of the various fiscal realities and the economic conditions that the State and the nation face . . . and considering increased enrollment, this is a 'bargain rate' budget for the State," he said.

Program restorations relate to budget reductions effected by the 1970 Legislature due to unanticipated statewide revenue losses. "It is my belief that the actions taken were of a temporary nature and were not intended to erode the quality of education we have achieved during the past ten years," Chancellor Dumke said. Included in the restoration items are funds for graduate teaching loads, sabbatical leaves for faculty, special faculty leaves for research or creative activity, and the distinguished teaching awards program.

In September, the Board of Trustees urged the Legislature to appropriate a salary increase of 13 percent for faculty, additional salary improvements for certain administrators, and an increase in fringe benefits amounting to 6 percent for all employees in the academic, academic-administrative, and executive classifications. Funding for these salary and fringe benefits is not included in the trustees' support request.

The \$369.3 million budget request will now be submitted to the Department of Finance. The Cal Poly, San Luis Obispo, portion of the budget is \$20,183,118, subject to any adjustments related to enrollment limitations.

GENERAL MEETING OF WOMEN'S CLUB SCHEDULED NEXT TUESDAY EVENING

The Cal Poly Women's Club will hold its first general membership meeting of 1970-71 next Tuesday (Nov. 10) evening at 8 p.m., in Lib-129. Club directories will be distributed and the club historian's scrapbook will be on display in order for members to delve into the club's last decade, pictorially. Highlight of the evening will be a talk and slide presentation by Mrs. John Merriam on the year she spent in Thailand. All club members are invited to attend.

CAL POLY PRESIDENT RECEIVES U. S. ARMY AWARD

The Outstanding Civilian Service Award of the United States Department of the Army has been presented to Robert E. Kennedy, president of Cal Poly. Dr. Kennedy received the award from Maj. Gen. Richard W. Whitney, deputy commanding general, 6th U. S. Army, the Presidio, San Francisco.

The presentation was made to Dr. Kennedy in his office by Gen. Whitney on behalf of Lt. Gen. Stanley R. Larsen, commanding general, 6th U. S. Army, during a visit to the Cal Poly Reserve Officers Training Corps unit. The award cites Dr. Kennedy for "his outstanding contributions to and support of the ROTC program from April, 1967, to September, 1969, as President of California State Polytechnic College, San Luis Obispo, California."

The citation continues, "Doctor Kennedy has been a forceful and effective influence in maintaining the prestige enjoyed by the Military Science Department at that institution. He has publicly upheld and supported the ROTC program as a viable, proper, and essential activity of the college, emphasizing its importance in relation to the goals of national security and welfare as a free nation. By his dedication to his profession and the college's tradition, Doctor Kennedy has attained prominence, thereby reflecting great credit upon the Military Science Department and the California State Polytechnic College."

Maj. Gen. Whitney, who has been deputy commanding general of the 6th Army since last May, previously served as deputy chief of staff, intelligence, Headquarters, U. S. Army, Europe; chief of staff of the Defense Intelligence Agency; and in a variety of other assignments including combat duty in Korea and service during World War II with the Canadian-American First Special Service Force. He is himself a product of the ROTC, having received his commission as a 2nd Lt. in the Organized Reserve Corps upon obtaining a Bachelor of Science Degree in business administration from the University of Akron (Ohio) in 1935.

Participating in the presentation were Col. William Hastie (head of the Military Science Department); Lt. Col. George L. Silva (also Military Science Department); and Capt. Bob Shriner, aide to Gen. Whitney. Representing the School of Science and Mathematics, which includes the Department of Military Science, was Clyde P. Fisher (Dean of Science and Mathematics).

The award presented to Dr. Kennedy consists of a framed certificate and a medal. It is the second highest civilian service award presented by the Department of the Army.

IMPROVISATIONAL THEATER GROUP SLATES NOV. 7 PERFORMANCE

The Wing, a San Francisco-based improvisational theater group, will bring its artistic form of theatrical entertainment to the Cal Poly Theater for two performances at 7 and 9:30 p.m. on Nov. 7. The Wing features 13 exceptionally talented artists performing on-the-spot, unrehearsed improvisations on themes suggested by members of the audience.

The Wing grew from a series of improvisational workshops held by the Committee, San Francisco's satirical revue company, in 1967. The Nov. 7 performances will be open to the public. Admission will be \$1.25 for Associated Students, Inc. card holders and \$2. for all others.

"CAM" IS IMPORTANT "ANSWER BOOK" FOR COLLEGE

The College Administrative Manual, issued in April, 1969, is available to all faculty, staff, and students. Copies have been issued to all department heads, departmental and other administrative offices, and may be found in the college Library. The 200 copies presently distributed on campus are an interim edition resulting from the work of the Employees' Handbook Editing Committee appointed in January, 1968. President Robert E. Kennedy promulgated the material so that all members of the college community would have an opportunity to review its contents or to propose additions or amendments. The many additions and amendments promulgated since the Manual was first issued have served to keep it up-to-date; through issuance of Administrative Bulletins and periodic CAM changes, the amendment process is continuous.

There are seven major sections to the Manual and a number of appendicies. In this and in subsequent issues of Cal Poly Report, the contents of these chapters will be generally reviewed.

All sections of the first chapter of CAM, entitled "College Organization," are numbered 100 through 199. These sections give the dates of establishment of the college and quote from the sections of the Education Code governing Cal Poly's functions. Section 150 describes the college's administrative organization and has recently been supplemented with four organizational charts which are valuable both to new personnel and to those who wish to be more familiar with the seven-school academic organization put into effect during the past year.

Chapter One includes, in section 170, lists of the standing committees of the college, including the functions, membership, and meeting schedules of each. These standing committees are: Academic Council, Administrative Council, Automatic Data Processing Advisory Committee, Campus Planning Committee, College Committee on Committees, College Store Advisory Committee, College Union Board of Governors, Commencement Committee, Coordinating Committee for Teacher Education, and Disaster Committee.

Also, Discrimination Study Committee, Graduate Study Committee, Instructional Department Heads' Council, Instructional Materials Program Committee, Off-Campus Facilities Use Committee, President's Council, Radiation Safety Committee, Registration and Scheduling Committee, Student Persistence Committee, Learning Resources Committee, Athletic Advisory Commission, Advisory Committee on International Education, Advisory Committee on Marine Science and Technology, College Convocations and Speakers Coordinating Committee.

Chapter One also includes a statement on authority to change policies and procedures and has a section on auxiliary organizations, which includes a description of the California State Polytechnic College Foundation, its basis for organization, board of directors and management, and their relationship with the college.

The College Administrative Manual is edited by Chester G. Young (Assistant to the President), who periodically issues changes, additions, or corrections resulting from the recommendations of consultative groups and administrative actions, including actions of the California State Colleges' Chancellor's Office, the Board of Trustees, and the Legislature which effect college policy and procedures.

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THREE PLAYS SCHEDULED BY SPEECH DEPARTMENT

A series of three outstanding plays has been announced for production by the Speech Department. The first play in the series, Rosencrantz and Guildenstern Are Dead, is scheduled for production Nov. 19, 20, and 21. The mid-November weekend performances will be followed on Feb. 18, 19, and 20 by a production of Who's Afraid of Virginia Woolf. The final play in the series will be The Birds. It is scheduled for May 13, 14, and 15.

James R. Emmel (Head of the Speech Department) said the series of plays, produced under the supervision of the Speech Department faculty, will be a change from previous seasons, with greater student involvement in developing interest in the series and sustaining its continuity.

The Cal Poly Speech Club -- the Speakeasies -- is making arrangements for the series. Season tickets, which will be available from the Speech Department at \$4.25 each, will insure seating for all three plays, which will be performed at 8:30 p.m. in the Cal Poly Theater. Admission for single performances will be \$2 for adults, with a special rate of \$1 for high school and college students with identification cards. Children under 12 will be admitted for 50 cents.

The mid-November performances of Rosencrantz and Guildenstern Are Dead present Tom Stoppard's play inspired by two minor characters in William Shakespeare's tragic drama Hamlet. Directing the play will be J. Murray Smith, member of the Cal Poly faculty for the past 10 years and well known for his direction and acting in recent productions. Smith, who has been a director at Denver Civic Theater and Pasadena Play House, said the play had a tremendous success in England and was well received in this country.

Ronald Dryden in The Observer noted, "Tom Stoppard's 'Rosencrantz and Guildenstern Are Dead' is the most brilliant dramatic debut of the sixties." Harold Hobson in the Sunday Times (London) said, "The most important event in the British professional theatre of the last nine years It's ingenuity is stupendous; and the delicacy and complexity of its plot are handled with an astonishing theatrical mastery"

Directors for the other plays in Cal Poly Theatre Presents are Edwin Pinson for the Edward Albee play Who's Afraid of Virginia Woolf and Robin Lake for The Birds by Aristophanes in a production based on the William Arrowsmith translation.

LIVESTOCK SEMINAR FOR BANKERS PLANNED NEXT WEEK

Faculty members will delve into the latest economic and production developments in the livestock industries during a week-long seminar for bankers with farm credit responsibilities, to be held at Cal Poly next Sunday through Friday (Nov. 8-13). The bi-annual livestock seminar is a co-operative effort between the Cal Poly School of Agriculture and Natural Resources and the Bank of America.

J. Cordner Gibson (Dean of Agriculture and Natural Resources) said the seminar will cover a review of marketing and production developments in the poultry, dairy, beef cattle, sheep, and pork industries. Sessions will be conducted at Cal Poly by members of the college faculty. The bankers also will view operations of poultry farms, dairies, and beef feedlots and ranches in San Luis Obispo and Santa Barbara Counties.

The participants represent branch banks and regional offices located from Blythe on the south to Fortuna on the north.

RICHIE HAVENS WILL GIVE CAL POLY CONCERT

Richie Havens, the artist-turned-singer of Woodstock fame, brings his blend of folk and soul music to Cal Poly next Thursday (Nov. 12). The singer's performance is scheduled to be held in the Men's Gymnasium.

Singing in coffee houses and painting portraits in bars in famed Greenwich Village in 1958, Havens' start on a professional career, like that of many other entertainers, is more romantic in retrospect than it was in reality. With the recording of his first album, Mixed Bag, Havens' career moved forward quickly. Since 1966, he has appeared at the Fillmore Auditorium in San Francisco, the Troubador in Los Angeles, Carnegie Hall, Expo '67, the Village Theater in New York, and at Manhattan's Hunter College.

Blending folk themes with a blues beat, Havens is credited with unique and captivating sound, delivered with "soul," as it was originally defined, and reflective of the singer's inner warmth and brotherly compassion for mankind. "Havens," writes critic Ralph Gleason, "is a pure example of the ecstatic singer, open to love and to emotion and on fire with a glorious view of the future." "He has no tricks, he sings it like it is," reports Newsweek. "As a singer, Havens' great quality is his perfect empathy, his complete sincerity, his (rare) masculinity."

The Nov. 12 concert sponsored by the Associated Students, Inc. will be open to the public. Concert time is 8 p.m. Tickets are available at the Temporary College Union. They are priced at \$2.50 each for ASI card holders and \$3.50 for all others.

CAMPUS COMMUNITY, PUBLIC INVITED TO HEAR AGRICULTURE SPOKESMAN

Interested members of the college faculty, staff, and students, as well as the public, are invited to hear Jack Stone, a Stratford rancher, explain why "Agriculture Needs to Organize" in the Cal Poly Theater at 8 p.m. on Wednesday (Nov. 4). Admission will be free.

Stone is president of the Western Cotton Growers Association and is a representative to the National Cotton Council, chairman of the California Cotton Pest Control Board, and member of numerous farm committees. He has been a field crop farmer on the west side of the San Joaquin Valley for many years.

Stone's appearance is sponsored by the student council of the School of Agriculture and Natural Resources.

ART SERIES WILL FEATURE FACULTY MEMBERS

Members of the Art Department faculty will present and discuss their own work in a series of programs scheduled for Thursday evenings beginning this week (Nov. 5). Sponsored by the student Art Club, the programs will be open to any interested persons. They will be held in Lib-126 beginning at 7 p.m.

David Bodlak (Art Department), who is in his second year as a drawing and painting instructor at Cal Poly, will open the series. A frequent exhibitor at professional art shows throughout California, he won an award at the 13th annual Delta Art Association show in Antioch last month.

FUNDS FOR OVERSEAS TRAVEL ALLOCATED, APPLICATIONS DUE BY NOV. 16

President Robert E. Kennedy has approved allocation of funds for special overseas travel grants and for travel grants to faculty of the School of Agriculture and Natural Resources for visits to overseas projects. Grants totaling \$13,000 may be awarded to faculty from the total college in accordance with the provisions of Administrative Bulletin 69-3. Grants totaling \$9,000 may be awarded to faculty of the School of Agriculture and Natural Resources in accordance with provisions of Administrative Bulletin 69-4.

Deadline dates for applications for travel during the 1970 Christmas holiday period have been set at Nov. 16 for both grant programs. Application forms for the former may be obtained by visiting or telephoning the Office of International Education (Adm-133, 546-2147). Application forms for the later are available in the Office of the Dean, School of Agriculture and Natural Resources (Erhart Ag-140, 546-2161).

Funds for both travel programs result from overhead earned from the Cal Poly overseas projects. Recommendations regarding the utilization of this fund were developed in accordance with the provisions of Administrative Bulletin 68-11.

FARM-CITY WEEK COMMITTEE NAMED BY AGRICULTURE STUDENT COUNCIL

David Silviera of Hanford is chairman of the Farm-City Week Committee of the student council of Cal Poly's School of Agriculture and Natural Resources. The committee will sponsor window displays, a farm machinery parade, and a display of farm equipment and farm skills at the Madonna Plaza Shopping Center in San Luis Obispo. Farm-City Week will be observed Nov. 21 through 26.

Silviera, 21, is a senior soil science major. Other members of his committee are Leslie Sanderson of San Jose, Ed Fontes of Riverdale, Paul Etchechury of Bakersfield, Ed Wynn of Lucern Valley, Dave Loquaci of Madera, Deborah Kampf of Sunnyvale, and Steve Weru of Karatina, Kenya.

Miss Sanderson, 19, is a sophomore animal science major. Fontes, 20, is a senior farm management major. Etchechury, 20, is a junior agricultural engineering major. Wynn, 21, is a senior agricultural engineering major. Miss Kampf, 19, is a sophomore natural resources management major. Weru, 27, is a senior agricultural engineering major who is studying at Cal Poly under an Agency for International Development program.

DAIRY CATTLE JUDGES FINISH SECOND IN GRAND NATIONAL COWTEST

Cal Poly's dairy cattle judging team won second place in the intercollegiate dairy cattle judging competition at the Grand National Livestock Exposition in the Cow Palace, San Francisco, last Saturday (Oct. 31). The team was bested by Illinois State University of Normal, Ill. The four other teams in the contest were Utah State University, third; University of Arizona, fourth; Oregon State University, fifth, and Fresno State College, sixth.

James Davis of Riverdale was high individual in the contest; Ralph Grossi of Novato was sixth; and Frank Salsa of Gustine, ninth.

Typewritten copy intended for the next issue of <u>Cal Poly Report</u> must be received prior to 12 noon Friday, Nov. 6, in the Office of Information Services, Administration 210.

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

Richard C. Carlston and Orien W. Simmons (both Welding and Metallurgical Engineering Department) gave a joint paper on "Undergraduate Programs in Corrosion Engineering" during the Western Region Meeting of the National Association of Corrosion Engineers in Los Angeles last month. Dr. Carlson chaired the meeting's session on education and conducted a round table discussion. He also reviewed Cal Poly research activities being supported by NACE's Western Region.

Two of Cal Poly's instructional schools were represented at the first Western Space Congress, which took place in Santa Maria last week (Oct. 27-29). Archie Higdon (Dean of Engineering and Technology) was chairman of an educational session, and John E. Harrigan and Wesley S. Ward (both School of Architecture and Environmental Design) presented papers relating space technology with earth-bound problems. Some 18 sessions covering the relationship of space technology to other fields and problems and exhibits displaying advancements and applications in space technology were featured during the three-day-long event.

Starr Jenkins and Martin Luschei (both English Department) attended the American Studies Association joint conference of Northern and Southern California Chapters held at San Jose, Oct. 23-24. Theme for the program was "Higher Education and Counter Culture." David Potter of Stanford University, author of People of Plenty, was chairman for the event. Jenkins and Luschei used the program to gain information on the state of American studies programs at other colleges and universities in California.

John L. Merriam (Agricultural Engineering Department) has returned to his teaching duties this fall after having spent 14 months in Africa and Southeast Asia. He spent the summer of 1969 with the United Nation's Food and Agricultural Organization helping set up an irrigation system for the Ministry of Agriculture of Saudi Arabia. The ensuing months were spent with the USAID/Cal Poly team in Thailand. While there, Merriam planned water and irrigation systems for 10 agricultural colleges.

Cal Poly Audio-Visual Services and Production operations were the subject of a visit by a representative of the National Polytechnic Institute of Mexico last month. Antonio O. Cisneros, who is coordinator of a United Nations-related Plan of Operations for Graduate Studies at the 40,000 student institute, is in the midst of a two-month-long visit of colleges and universities in the U.S.

An Engineering-Technology Articulation Conference designed to provide two-year colleges with information about admissions programs and School of Engineering and Technology curricula at Cal Poly took place on campus last Friday (Oct. 30). Some 40 department heads, counselors, advisors, and other faculty representatives of community colleges from throughout California were in attendance. Among those who addressed the visitors were Dale W. Andrews (Academic Vice President), C. Paul Winner (Associate Dean, School Relations), George R. Davies (Admissions Officer), and Donald M. Coats (Associate Dean, Educational Services). Millard J. Fotter (Industrial Engineering Department) made arrangements for the program.

John E. Harrigan (Psychology Department and School of Architecture and Environmental Design) presented a paper titled "The Resolution of Political, Social and Economic Conflict in Urban Renewal and Development Programs" at the 13th annual Human Factors Society meeting held Oct. 16 in San Francisco. Dr. Harrigan, who has been re-appointed editor of the society's monthly publication, Human Factors Bulletin, is also author of an article titled "Puzzles and Riddles within the Human Factors Society," which appeared in that publication's September, 1970, edition.

APPLICANTS FOR STUDENT DISCIPLINARY COORDINATOR POST BEING SOUGHT BY COLLEGE

Applicants for the newly-authorized position of Student Disciplinary Coordinator are being sought, according to information received this week from Larry Voss (Director of Personnel Relations). Voss said the post is a combination one which carries the primary assignment of coordinating student disciplinary cases in accordance with procedures established by the Office of the Chancellor of the California State Colleges. A secondary assignment will be in the Institutional Studies Office assisting with special projects and administrative duties.

Duties of the new position will include investigation of alleged violations of the California Administrative Code and the Education Code concerning student conduct; advising the president and making recommendations concerning the disposition of student disciplinary cases; meeting with the student concerned and discussing charges and evidence against him; and scheduling hearings and presenting evidence to the hearing officer. The second function of this position will be assisting the director of institutional research, as time permits, in carrying out projects assigned to that office.

Qualifications for the Student Disciplinary Coordinator's Post include:

- Bachelor's degree is a minimum, with a master's degree desired.
- Several years administrative staff experience preferably within higher education.
- Demonstrated ability and capacity for independent work.
- Experience in student affairs work or in student counseling desirable.
- Ability to gather data, analyze data and write reports from the data.
- Statistical, data processing, or systems analysis experience desirable.

Salary for the new position is open and will depend primarily on the education and experience of the successful applicant, according to Voss. Those wishing to apply for the position or obtain further information are invited to contact the Personnel Office, Adm-111, 546-2236.

CHAMBER ORCHESTRA SLATES NOV. 12, 13 CAMPUS CONCERTS

Music by Beethoven, J. S. Bach, Ralph Vaughan Williams, and Charles Ives is being rehearsed by the Cal Poly Chamber Orchestra for a pair of concerts slated for Nov. 12 and 13 in the campus theater. The Nov. 12 program, scheduled as part of the College Hour Concert series sponsored by the Music Department, will take place at 11 a.m., and the Nov. 13 program, at 8:30 p.m.

Both concerts will take place in the Cal Poly Theater. Admission will be free, and the public is invited to attend, according to Clifton E. Swanson, who is conductor of the 30-member orchestra and a member of the college music faculty.

Programmed for both performances are Beethoven's Egmont Overture, Fantasia on Greensleeves by Vaughan Williams, Fugue for Small Orchestra and Hallowe'en by Ives, and Bach's Violin Concerto in A Minor. Swanson, who is in his fourth year as conductor of the Cal Poly orchestra, said a symphony by Haydn -- Symphony No. 52 in C Minor -- is being added to the Nov. 13 performance.

David Mallory, a former resident of San Luis Obispo County who is now on the faculty of Chico State College, will join the Chamber Orchestra for its performance of the Bach concerto. A former member of the San Francisco Symphony Orchestra, Mallory studied locally under Lucien Morrison.

MUSTANG CROSS COUNTRY TEAM WILL HOST CALIFORNIA LUTHERAN RUNNERS

Cal Poly's varsity cross country team will host California Lutheran College's runners in the only home event on this week's campus sports calendar. Coach Steve Simmon's charges will vie with the CLC Kingsmen at 11 a.m., Friday (Nov. 6). The course for the race will begin and end at the old running track located near Poly Grove. All other Mustang sports teams are either on the road this week or have open dates.

Coach Joe Harper's Cal Poly grid varsity has an open date this week, but is already preparing for its crucial California Collegiate Athletic Association encounter with the California State College at Fullerton Titans in Anaheim on Nov. 12. The Mustangs, who lost a 49-20 verdict to non-league opponent California State College at Long Beach on the road last week, are currently tied for first place in the CCAA standings with Cal State Fullerton. Both have 1-0 won-lost records in league play. The Mustangs now own a 5-2 mark for the 1970 season.

Scheduled for road action this week are Coach John Crivello's Colt freshman footballers and Coach Dick Anderson's varsity water polo team. The Colts, who lost a hard-fought 20-17 game to Stanford University's frosh last week, are slated to wind up their 1970 season Friday afternoon in Berkeley against University of California's freshman footballers. The Mustang mermen will encounter Allan Hancock College's water polo team Saturday (Nov. 7) morning in Santa Maria.

CAL POLY TEAM SWEEPS GRAND NATIONAL JUDGING HONORS

Cal Poly livestock judges brought home the first place trophy from the intercollegiate livestock judging contest held at the Grand National Livestock Exposition at the Cow Palace in San Francisco last Saturday (Oct. 31). Team members won first, second, and third high individual honors en route to their win over five other teams entered in the contest. Dan Byrd of Oakley was high individual, Ernest Nunes of Sebastopol, second and Dennis Hammett of Pleasanton, third high. The same team won first place at the Portland International Livestock Exposition earlier this fall.

FOURTH WIN IN SUCCESSION RECORDED BY RODEO TEAM

Cal Poly's defending national champion rodeo team recorded its fourth consecutive win of the 1970-71 season at Prescott, Ariz. this past weekend (Oct. 31-Nov. 1). Runner up at the meet, which was hosted by Yavapi College, was University of Arizona. Tom Ferguson, who won all-around cowboy honors for the rodeo, led the Cal Poly assault that included victories in four of the six individual events.

STAFF CLUB GRAND PRIZE AWARD TO MERRIAM

The grand prize in the Cal Poly Staff Club's membership contest has been awarded to John L. Merriam (Agricultural Engineering Department). He won the prize -- dinner for two and overnight accommodations at the Highland Inn near Carmel -- in the final drawing for the contest. Merriam was selected by a drawing based on the number of his membership card.

REPORT OF THE STATEWIDE ACADEMIC SENATE HELD IN LOS ANGELES ON OCTOBER 15 AND 16
By David Grant, Cal Poly Representative

1. Chancellor Dumke spoke informally to the Senate, prefacing his remarks with "This is not going to be a normal year for higher education." He joined the Senate in deploring the Legislature's action of raising all salaries of state employees except academic employees. . . Stated that there will be pressure on us to take more students and to carry heavier teaching loads. . . On disciplinary and grievance procedures, "We'll move only when there is a vacuum. If you take the lead there won't be any administrative or trustee intrusion". . . The procedures which the Senate had developed, he said, "were most acceptable in a calmer day. But we have a new situation which made them unacceptable to many." . . He hoped the Senate would offer its assistance in proposing changes for the improvement of the new procedures. . . The Chancellor reported that this is the year the principle of tenure will be under attack. He described himself as being committed to tenure as a valuable principle, but predicted that it would be lost or emasculated "unless we shore it up." He is considering three proposals for changes in tenure regulations, and asked for faculty suggestions regarding them. They are: Eliminating any but tenured people from decision making processes regarding tenure; making it possible to delay tenure decisions until the seventh year, while at the same time continuing present regulations making it possible to earn tenure earlier; limiting tenure to professors and associate professors. . . In addition, he commented on post-tenure review, a product of the Ad Hoc Committee on Procurement and Retention of a Quality Faculty. He thought of it only in terms of a salary review. "You have the opportunity to structure it," he told the Senate. "What I would least like to see would be for you to abdicate your position."

2. Chairman Leverne Graves was instructed by the Senate to confer with professional membership organizations, with the national office of AAUP, and with the American Arbitration Association for the purpose of obtaining legal assistance in determining what steps should be recommended to the faculties in dealing with the newly adopted grievance and disciplinary procedures.

3. The Senate set up a Special Task Force Committee, composed of all the past presidents of the Senate, to review the structure and function of the Statewide Academic Senate and to report its recommendations at the December meeting. Implied in the discussion seemed to be a feeling on the part of some that the Senate ought to be more independent in its fiscal relationships, more closely tied with local Senates, and possibly modeled along such lines as would make it serviceable in collective bargaining.

4. The Senate recommended a liberalization in present sick leave regulations.

5. The Senate asked that first priority in funding instructional administration be given to full funding, under existent formulas, of department chairmanships.

6. The Senate asked the Trustees to use 15% of foreign students' fees to finance fee waiver for needy foreign students; to use another 15% to fund professional and clerical positions for foreign student programs; that anticipated increases in foreign student fees not apply to currently enrolled students.

7. The Senate advised Trustees that the Senate was withdrawing its previous support for changes in Title V regarding grading because of substantive changes made by the legal staff without consultation with either the curriculum staff in the Chancellor's office or the Senate. The objectionable changes would require that all students in a class take a letter grade or that all enroll for Pass/No Credit. Other changes affecting flexibility also were made.

8. Bills which will come up for second reading in December: (a) A proposal that a section of the Meyers, Milias, Brown Act be repealed. This section excludes state employees from the legislation which is designed. . ."to promote full communication between public employers and their employees by providing a reasonable method of resolving disputes regarding wages, hours, and other terms and conditions of employment." (b) A response to the Chancellor's proposal on tenure. (c) A proposal to make possible increased admissions to specialized classes. Note: Undoubtedly other proposals will come up for first reading by the time the preliminary agenda is formed.

Next meeting of the Statewide Academic Senate will be December 16, 17, and 18 in Los Angeles. Faculty members wishing additional information on the October meeting should confer with their Statewide Academic Senators: Roy Anderson, Corwin Johnson, and Dave Grant.

encouraging

November 3, 1970

notes

National Science Foundation

Has a program with no deadlines!! It is called Special Projects in Graduate Education, and includes

a) Revision or strengthening graduate degree programs (in the areas NSF normally supports), for example, by way of developing new courses or new experiments for laboratory courses; the design and preparation of training aids; the formation of interinstitutional programs; the improvement of graduate-level training programs for pre-service junior college and college science teachers. Matching funds for equipment may be included, but this program is not an equipment program.

NSF asks for informal proposals first; an invitation later to submit a formal proposal would be an encouragement. I will be glad to work with anyone interested; even the informal proposals must be cleared through this office. The brochure giving more details is in this office.

National Science Foundation

has awarded \$3.6 million for College Teacher Summer programs in science, mathematics, and engineering. About 2800 teachers will be able to take courses of 4 - 12 weeks duration. Individuals apply to the Directors of these institutes, not to NSF.

One million dollars was granted for the support of Research Participation for College Teachers in summer projects. About 400 college teachers will take part in this program.

The lists of participating colleges and universities is expected by the end of November.

Associated Western Universities

The College has been an associate member of this organization for a year. The main benefits of joining come from our having access to many important facilities sponsored by the Atomic Energy Commission: Los Alamos, The Lawrence Radiation Laboratories at Berkeley and Livermore, and many others.

Fellowships are available for both pre- and postdoctoral study; for faculty support, and for student support (seniors or graduate students).

A brochure and application forms may be seen in this office. We have been urged to let the Director of AWU act as our broker, rather than make arrangements directly with any of the available laboratories.

In addition to the more or less obvious fields of interest - physics, chemistry, biology, engineering - it may be possible to become part of an ongoing project as an economist, for example. I'd be glad to explore this for you.

Anyway, I'd like to find out from AWU what they mean by a "dislocation allowance." It sounds ominous.

National Endowment for the Humanities

has announced a liberalization of its research grant program. Small grants now go up to \$15,000, rather than \$10,000, and the Endowment will consider making grants for two years rather than one. It is also possible to get a two-thirds matching grant for sabbatical leaves so that the applicant can have a full year of research or study.

National Endowment for the Arts

is one of the step-children of federal government, and this is apart from the political party in power. The appropriation for 1971 is about \$8M (the National Endowment for the Humanities has \$11M). There are grants in architecture and allied fields, including Environmental Design; Dance; Art Education; Literature; Music; Public Media (film or television); Theatre; Visual Arts; Coordinated Arts.

There are no application forms, but you may read the general brochure in this office.

President Nixon has repackaged several federal programs about the environment. There is a new Environmental Protection Agency (EPA) and a National Oceanic and Atmospheric Agency (NOAA).

EPA will be an independent agency made up principally of the Federal Water Quality Administration, now in the Department of the Interior, and the National Air Pollution Control Administration, now in Health, Education, and Welfare.

NOAA will be in the Department of Commerce, and will be made up of the Environmental Science Services Administration (ESSA), already in Commerce, and the Sea Grant program, from the National Science Foundation. NOAA will also inherit programs in marine fisheries and marine mining, from Interior, and several other activities, such as the national oceanographic data and instrumentation centers from the Navy. Neither Agency has a director as yet.