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- ★ Peter Pan, the boy who never grew up, is a role in Sir James M. Barrie's children's fantasy often played by a woman -- and the forthcoming production at Cal Poly is no exception. According to Robin Lake (Speech Communication), who is directing the production, recent revival productions have been done both on Broadway and in London with women in the lead role, and "Cal Poly is right up there with the major theatrical centers of the world."

Nevada Rae Barr, a senior speech communication major from Susanville, has been cast for the lead in the Cal Poly production, which is scheduled for Thursday through Saturday (May 9-11). Miss Barr, a veteran of many campus stage performances, played principal parts in the campus production of The Adding Machine last fall and A Cry of Players early this year.

The Peter Pan cast will also include Pam Brown of Walnut Creek, who will play Wendy, and Patrick Chew from Claremont, who will play Captain Hook. Both are also seniors majoring in speech communication. Lake says there are over 100 people involved in the campus production. Almost half are in the cast. "We've bitten off an enormous challenge. I see this as primarily a children's show with music but, of course, the music, singing, and dancing must be of an acceptable standard for the children to believe in it," he says.

"It's taken us 2½ years to put all the elements together for this show," says Lake. "We needed a Peter, a flyer, the production rights, and lots of money." Peter Foy of Las Vegas has been contracted to handle the flying effects for the production. Foy, who specializes in flying effects, flying ballets, swimming effects, and weightless effects, has worked with over 100 productions of Peter Pan. He has worked on movies including Funny Girl and Fantastic Voyage, television series including The Flying Nun, Las Vegas Revues, and space walk simulations for television networks.

Foy has given wings to such notables as Mary Martin, Barbara Streisand, Sally Fields, Raquel Welch, Bob Hope, and Johnny Carson. Besides arranging the flying effects for Peter Pan, Foy also will talk to students, primarily those in drama classes, since he says "frequently, the flying raises more questions than it answers."

Performances of Peter Pan are planned for Thursday through Saturday (May 9-11) with curtain times at 8 pm in the Cal Poly Theatre. A 2 pm matinee will also be given on Saturday, and special matinees have been arranged for 1,500 children from local schools. General admission tickets, which are now on sale at the information desk in the University Union, cost \$2 for adults and \$1 for children and students. Remaining tickets will be sold at the theatre box office prior to each performance.



## ★ LAND USE RESPONSIBILITY CLARIFIED



A review of campus land uses and procedures for the assignment of land for instruction was announced today by Robert E. Kennedy, president of Cal Poly. Dr. Kennedy said that the need for

the review became apparent when it was discovered that Biological Science Department instructors were holding class study laboratories in an area also being used by the Natural Resources Management Department.

As a department of the School of Agriculture and Natural Resources, natural resources management utilized a hillside adjacent to grazing land for a range improvement exercise. However, biological sciences faculty members and students, who had been using the same area as a field laboratory without any official assignment of land use, objected to the clearing procedure. Dr. Kennedy said today that he would extend the university's space allocation committee responsibilities to include utilization of land as well as building facilities.

"By custom and precedent," Dr. Kennedy said, "the 368-acre campus core has been under the jurisdiction of the plant maintenance and grounds departments, and over 4,000 acres have been under the jurisdiction of the School of Agriculture and Natural Resources except for the 10-acre site used by the School of Architecture and Environmental Design in Poly Canyon, and the botanical garden site set aside for biological sciences."

Dr. Kennedy ordered any similar land clearing class exercises halted pending allocation of the land by the space and land allocations committee, noting that he expected the committee to ascertain that all environmental impact regulations are complied with by departments requesting utilization of campus land.

Dr. Marvin J. Whalls (Head, Natural Resources Management) said the recent land clearance project was initiated with an understanding that it fell within the scope of agriculture operations which did not require an environmental impact report. "In fact," Dr. Whalls said, "the clearance is widely used as a good agriculture practice and will not result in erosion or other detrimental effects."

## ★ UNIVERSITY CLUB TOPIC IS S L O HISTORY

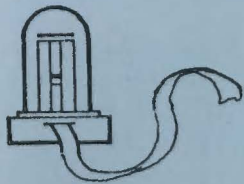
Louisiana Clayton Dart will present "The Early History of San Luis Obispo" during the weekly luncheon of the Cal Poly University Club in the Staff Dining Room on Thursday (May 16) at 12 noon. Faculty and staff are invited.

## ★ UNIVERSITY CLUB ELECTION ANNOUNCED

The election of officers for the Cal Poly University Club will be held at the next regular luncheon scheduled on Thursday (May 9) in the Staff Dining Room. The slate of candidates will be presented by the nominating committee of past presidents, including Robert W. Adamson (Mechanical Engineering), J. Philip Bromley (Emeritus Agricultural Management), and Charles E. Mendenhall (Director, Alumni and Community Affairs). Members are urged to attend. The program features Owen L. Servatius (Acting Dean, Business and Social Sciences) who will discuss "The Cardinal Principles of Labor and Management."



## CAL POLY IS IN THE NEWS



Television, radio, and newspaper reports of activities of a group of engineering students who are studying the feasibility of using sewer gas as an efficient, low cost fuel for vehicles, heads the list of recent media reports of the activities of members of the Cal Poly campus community. Also prominent in the news recently have been Poly Royal, a unique house design being developed by students of the School of Architecture and Environmental Design, and the art exhibits that have been shown in El Corral Bookstore over the past several months.

Reports on the sewer gas project, in which students are using a 1966 Cadillac limousine, have either been published or aired by the San Diego Tribune, San Francisco Examiner, Monterey Peninsula Herald, KNXT and KNBC television in Los Angeles, KFI radio in Los Angeles, KGO television, and others. The Mini Gallery, which was developed last fall by Mary Lee Green (Manager, El Corral) and Vikrum Savara (Merchandising & Systems, El Corral), received feature treatment in the April, 1974, issue of College Store Executive, a trade journal for the college store industry. The article was illustrated with two photographs.

Both text and a line drawing were used by Building Progress magazine for a report on the hydraulic house being developed by a team of architecture students working under the tutelage of Jens Pohl (School of Architecture and Environmental Design). The article appeared in the May, 1974 edition. Page three of the main news section was the location used by the Los Angeles Times for its article and photographs on the 1974 Poly Royal. The article and photos were by feature writer Charles Hillinger and photographer Steve Fontanini, who were campus guests during Poly Royal.

## ★ "IMPOSSIBLE JOB" CONFERENCE TO ASSIST DEPARTMENT HEAD

William C. Langworthy, who has recently taken on an "impossible job" at Cal Poly, has been chosen to attend a conference to help him change the nature of that job. The job Dr. Langworthy has assumed is that of department head of the university's Chemistry Department. The position is called "impossible" because "department heads have one foot in their department and one foot in administration," according to the Research Corporation which sponsors the conference.

The purpose of the conference is to assist new department heads to review and improve their performance in what is called the "impossible job," according to Kendall W. King, the Research Corporation's assistant vice president in charge of grants. Dr. Langworthy was chosen by the corporation from 41 nominees to be one of 17 participants in the conference July 15-19 at Point Clear, Alabama. Criteria for eligibility are that the nominee be either ready to assume his responsibility or have not been a department head for more than two years and that he work in the area of physics, chemistry or biology.

While at the conference Dr. Langworthy will attend two sessions each day, which start with a formal presentation by one of four experienced senior department chairmen or heads, followed by group discussion on the subject. Subjects to be covered will include curriculum innovation and student research, upgrading existing science departments, more effective faculty management of departmental programs, interdepartmental relationships, and budget development--fiscal accountability and financial support. Dr. Langworthy was nominated to attend the conference by Dr. Robert E. Kennedy, president of the university.



★ VISTA GRANDE ANNOUNCES TWO SPECIAL MENU DAYS



The first in a gourmet series in "Adventures in Fine Dining" will be on Thursday (May 9) from 5 pm to 9 pm at the Vista Grande restaurant. The guest chefs for the evening will be Les Vanoncini (Agricultural Management) and his wife, Clarice. With assistance from their crew, they will prepare a five-course Italian dinner that includes a Minestrone made with 14 different vegetables. The menu will also include: antipasto, ravioli with sauce, chicken breasts alla Marsala, mixed green salad, potatoes, and spumone ice cream. Cost will be \$4.95 per person and reservations are recommended. For this special evening, foods from the regular menu will not be available.

A special menu for Mother's Day, Sunday (May 12), will be offered from 12 noon to 4 pm. Included are: beef stroganoff served with parsley-buttered noodles (\$3.25), east-west spareribs served with seasoned rice (\$3.50), poached sole with shrimp sauce and served with seasoned rice (\$3.25). Included are V-8 juice or cranberry cocktail, choice from the salad bar, hot rolls and butter, coffee or tea, and special Mother's Day layer cake for dessert.

★ SNACK BAR NOW OPEN UNTIL 7 P.M.

John C. Lee (Foundation Food Services Director) announced that the Snack Bar, is now open additional weekday hours, until 7 p.m. A full variety of items is offered plus a daily special hot dinner. The addition of dinner hours is in response to our customer's suggestions. This trial period will be used to determine the acceptability of this additional service and will be considered in future planning.

★ WORDEMAN TO SPEAK ON EMPLOYMENT SATISFACTION

The idea that many people work in jobs they just barely tolerate will be examined by John Wordeman (Head, Graphic Communications) as part of the Arts and Humanities 1973-74 lecture series at Cal Poly. Wordeman will be talking about "Man and the Production System" at 11 am on Thursday (May 9) in Room 220 of the University Union. Admission will be free and the public is invited to attend.

"Employees today are looking for more in their work than they used to," he says. "Although money is still important, most people are looking for appreciation, recognition, and fulfillment -- and most don't find it in the jobs they're in." Wordeman says he'll be talking about how both employees and management look at work. Current trends toward solutions such as job rotation and job enrichment also will be included. "The working situation is changing due to demands of more highly education employees," Wordeman says. "However, I don't advocate that managers should mollycoddle employees all the time. Management can take the firm-but-fair approach also -- it depends on the people and the situation."

Wordeman's background includes graduate study in behavioral science and organizational behavior. Before entering higher education, he worked for 20 years in the printing industry in both management and employee positions.



### TOYS, NATURE ARRANGEMENTS, AND "GO" ON DISPLAY AT EL CORRAL

Cars, animals, jumping jacks, and dancing dans are a few examples of early american wooden toys, made by Diana and Kent Bittleston, which will be on display from Monday (May 6) through Friday (May 10). Kent is a Cal Poly graduate, while Diana is a senior in Social Sciences. Demonstrations will be given daily between 9 am and 12 noon.

Nature arrangements made from seaweed, dried flowers, nuts, etc. and made by Jackie Bradley will also be on display. Jackie is a wife of a Cal Poly graduate. Demonstrations will be given on Tuesday (May 7) and Wednesday (May 8) from 3 to 4:40 pm.

The game of "Go"--a strategic game of the Orient, will be demonstrated on Tuesday (May 7) and Thursday (May 9) from 11 am to 1 pm by John Silver. Free instructional leaflets and magazines will also be distributed. The Mini Art Gallery features the works of John Kosta, a freshman in Graphic Communications, through Friday (May 17).

### ★ ACADEMIC DEADLINE APPROACHES

Gerald N. Panches (Registrar) reminds all faculty that the 7th week of instruction ends at 5:00 p.m., Wednesday, May 15. This date is the deadline for: submitting a petition to withdraw from a course (The university catalog states: "Except for university recognized emergencies, no withdrawals from a course will be permitted after the end of the seventh week of instruction."); submitting a petition to take a course credit/no-credit; submitting a petition to repeat a course (If you are repeating a course spring quarter in which you have previously received a D or F grade from this university, you must file this petition in the Records Office to ensure the re-calculation of your Cal Poly GPA).

### ★ STATE PUTS VEHICLES UP FOR SALE

Donald M. Vert (Procurement and Support Services Officer) announced that the following vehicles are for sale at the Cal Poly Auto Shop:

- 3 1969 Ford Fairlane 4-dr sedans
- 2 1970 Dodge Coronet 4-dr sedans
- 1 Ross forklift, 7500# capacity

All units will be sold "as is," and "where is." Bids will be accepted and vehicles may be inspected at Auto Shop until 5 p.m. on Friday (May 10). The state reserves the right to reject any and all bids.

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★ Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Friday (May 10) in the Office of Information Services, Adm. 210. Copy intended for Cal Poly Dateline, which replaces the "Coming Events" section of Cal Poly Report and is published separately on Thursdays, is due in the Office of Information Services by 12 noon on the Tuesday before publication.



★ VENERABLE RECEIVES APPOINTMENT AS DANFORTH ASSOCIATE

G. Delbert Venerable II (Chemistry) has been informed by the Danforth Foundation of his appointment as a Danforth Associate. There are some 1500 Danforth Associates at over 750 colleges and universities in the United States. The purpose of the Danforth Foundation is to recognize and encourage good teaching and humane values in the educational process. Dr. Venerable will attend a conference of Danforth Associates in Estes Park, Colorado, in August.

For the current academic year, Dr. Venerable was awarded a grant of \$27,125 for his proposal submitted as a pilot project for Innovation in the Instructional Process, 1973-74. The project, employing Braithwaite's Multiple Processing Methodology, is applied to the instruction of individualized large group sections of freshmen in general inorganic chemistry. Evidence collected from results of class progress for the first two quarters indicates that the methodology works well and that test results compare favorably to more conventional instruction methods.

★ ACCOUNTS TO BE CLOSED OUT

Chargeback accounts for Xerox copying, storeroom supplies and duplicating services will be closed out on May 31 for fiscal year 1973-74, according to Donald M. Vert (Procurement & Support Services Officer). Beginning June 1, 1974 all expenditures for these supplies and services will be charged against fiscal year 1974-75. The office also reminds all personnel that the deadline for purchases against fiscal year 1973-74 is June 1, 1974.

★ JAZZ NITE IS COMING SOON

Jazz will be highlighted during an evening performance by the University Jazz Band (Collegians), Cal Poly Studio Band, the Dixieland Band, and the Wailing Mothers Marching Orchestra--a nine piece jazz band mostly of Cal Poly faculty, sponsored by the Cal Poly Music Department and Associated Students, Inc. The performance will be in the Cal Poly Theatre on Friday (May 31) at 8 pm. General admission tickets are: students, 50¢; all others, \$1.

★ FULBRIGHT-HAYS GRANT APPLICATIONS ARE ASKED

The Office of International Education, and the Office of Graduate Studies and Research, have received the announcement for University Lecturing and Advanced Research Abroad for 1975-76 under the Fulbright-Hays Act. Applications are recommended before July 1, 1974. Faculty are encouraged to bring to the attention of outstanding students the competition for Grants designed for those interested in Graduate Study Abroad. Approximately 570 awards to 50 countries will be available for 1975-76. Student applications are available in the Office of International Education, Tenaya-138.



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

James G. Neelands, Dennis N. Homan, Randolph L. Grayson, and Pat C. Pendse (all Biological Sciences) attended the fifth annual conference and exhibit of scientific products, held at the Anaheim Convention Center on April 23-24. At the conference they attended seminars on human cytogenetics, new developments in atomic absorption instrumentation, amniotic fluid analysis, fluorescence microscopy and electrophoresis.

Mary Lou White (Head, Women's Physical Education), Sharon Chatman, Evelyn I. Pellaton, Judy Ritner, and Moon Ja Minn Suhr (all Women's Physical Education) recently attended the national convention of the American Association for Health, Physical Education, and Recreation held in the Anaheim Convention Center.

Walter E. Rice (Economics) was the guest speaker at the annual dinner of the California Scholarship Federation held at the San Luis Obispo Senior High School on April 29. His topic was "Public Transportation--Problems and Prospects."

James B. Griffin (Economics) had an article published in a collection of articles called Proceedings of the Conference on Urban Economics, published by the Department of Economics, Wayne State University, Detroit, Michigan, 1973. The title of the article is "The Economics of Education: Social Benefits and Costs."

Arthur H. Frietzsche (English) represented Cal Poly at the Southern California Renaissance Conference held this year at the Huntington Library, San Marino, on April 27.

Arthur C. W. Bethel (Philosophy) has just received certification from the University of California, Santa Barbara, that he has completed all requirements for the Doctor of Philosophy degree in philosophy. Dr. Bethel has been a member of the Cal Poly faculty since 1968.

Nancy A. Jorgensen (Counseling) participated in the 51st annual meeting of the American Orthopsychiatric Association in San Francisco, April 8-12. Among the workshops and institutes attended were several in the use of videotaping in counseling, counseling the minority student, and prevention programs in the university setting.

William C. Langworthy (Head, Chemistry) participated, along with his 18 counterparts from the other campuses of the California State University and Colleges, at a meeting of Chemistry Department Chairmen/Heads at the Kellogg West Conference Center at Cal Poly Pomona on April 19-20.

The new officers for the local chapter of Sigma Xi (Research Society) for 1974 are: President, Marvin J. Whalls (Head, Natural Resources Management); Vice President, Philip S. Bailey, Jr. (Chemistry); Treasurer, William Thurmond (Biological Sciences); Secretary, Norman L. Eatough (Chemistry).

Barton C. Olsen (History) attended the 67th annual meeting of the Organization of American Historians in Denver, April 17-20. Dr. Olsen is a member of the National Historical Sites Committee.

William Hensley (Speech Communication) attended the Conference on Communication held at California State University, Fresno, April 27. Focusing on communication problems in contemporary society, Hensley acted as a reactor-critic during a study-group panel on interpersonal communication.





John Wieszbrod of Chino is the new president of the 20,000 member California Association of Future Farmers of America. He was elected in the closing session of the 46th annual convention of the association at Cal Poly on Friday (May 3). Nearly 900 delegates and guests attended the three day convention. Wieszbrod, a freshman at California State Polytechnic University, Pomona, has maintained projects in dairy and livestock and is majoring in animal science and agricultural business management.

Serving with him during 1974-75 will be: Mark Scheiber of East Nicolaus, vice-president; Charlene Anderson of Hemet, secretary; Dennis Johnson of Galt, treasurer; Cy Hawkins of Santa Maria, reporter; and Dave Holm of Turlock, sentinel.



Vacant support staff positions have been announced by S. Milton Piuma (Staff Personnel Officer). Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, ext. 2236. Contact the Personnel Office to obtain an application. Cal Poly is an Affirmative Action Employer. The positions are:

Clerical Assistant II-A (\$534-\$649), Temporary help position, University Library (Technical Services Department), Academic Affairs Division. Duties and responsibilities include sorting catalog cards, and transcribing data from catalog cards onto worksheets. Requirements: High school graduate with one year office experience, General Clerical Test, and type 45 wpm. Two positions available. Closing date May 14, 1974.

Clerical Assistant II-A (\$534-\$649), Admissions and Records Office, Student Affairs Division. Duties and responsibilities include working with student records in University Records Office; assisting with registration, and preparing grades. Also working in Admissions Office processing applications for admission for students. Requirements: High school graduate with one year office experience, General Clerical Test, and type 45 wpm. Closing date May 14, 1974.

Clerical Assistant II-B (\$575-\$682), General Office, Business Affairs Division. Duties and responsibilities include typing, shorthand, machine dictation, telephone dictation; xeroxing and general office support for all campus areas. Substituting in other offices for absent secretaries is a major part of the duties. Requirements: High school graduate with one year office experience, General Clerical Test, take dictation at 90 wpm, and type 45 wpm. Closing date May 14, 1974.



The following vacancies are listed on the Foundation staff of the university, as announced by Jack L. Fryer (Foundation Personnel Officer). Interested persons may call at the Foundation Personnel Office, University Union 212, ext. 4613, to make application. Cal Poly is an Affirmative Action Employer.

**CUSTODIAL FOREMAN** (\$609-\$723), Custodial Department. Primary duties are supervision of a custodial crew; training and instruction in the proper use of materials and equipment; providing instruction in acceptable custodial techniques; performing custodial and other duties as required. Applicants must have completed at least eight grades of elementary education. Requires one year of State College custodial experience, or two years experience working in a position of responsibility in a custodial capacity.

CUSTODIAN (\$575-\$682), Custodial Department. Work in student dormitories. Must be knowledgeable in the proper use of commercial custodial cleaning equipment, and any other related work that may be required. Must have the ability to maintain an effective relationship with co-workers and students. Applicants must have completed at least eight grades of elementary education.





# encouraging notes

May 7, 1974

Workshops for Basic Research in Energy Field. A series of workshops to delineate opportunities for basic research contributions in solving the energy problem has been announced by the Office of Energy-Related General Research of the National Science Foundation's Directorate.

These workshops are bringing together experts from colleges and universities, industry, and government to identify key problems and to suggest research opportunities directed at increasing scientific understanding in these problem areas.

Although contributions are by invitation only, the sessions are open to the public on a space-available basis. Information concerning attendance, agenda, and location may be obtained by writing to the appropriate workshop director.

Earlier workshops were held April 16-18 at Ohio State University on "Materials Problems and Research Opportunities in Coal Conversion Systems," and on April 22-23 at Iowa State University on "Augmentation of Heat Transfer." Other workshops currently planned are:

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| May 27-29  | Gas Phase Molecular Interactions and the Nation's Energy Problems<br>Dr. Richard N. Zare, Department of Chemistry<br>Columbia University<br>New York, New York 10027 |
| June 3-7   | Nitrogen Fixation<br>Dr. William Newton<br>Charles F. Kettering Research Laboratories<br>Yellow Springs, Ohio 45387  |
| June 10-12 | Thermodynamics and National Energy Problems<br>Dr. Charles Holley<br>Los Alamos Scientific Laboratory<br>Los Alamos, New Mexico 87544                                |
| June 19-21 | Combustion<br>Dr. Irving Glassman, Aerospace Engineering<br>Forrestal Laboratories<br>Princeton, New Jersey 08540  |
| June 20-21 | Electrochemistry<br>Dr. Royce Murray, Department of Chemistry<br>University of North Carolina<br>Chapel Hill, North Carolina 27514                                   |
| June 25-26 | Catalysis in Energy Conversion Systems<br>Dr. J. Hightower, Department of Chemical Engineering<br>Rice University<br>Houston, Texas 77001                            |



Workshops for Basic Research in Energy Field (cont.)

- June 26-27    Colloid Science and Oil Recovery  
                 Dr. William Wade, Department of Chemistry  
                 University of Texas  
                 Austin, Texas    78712
- June 27-28    Chemical Analysis Pertaining to Oil Shale  
                 Dr. Sidney Siggia, Department of Chemistry  
                 University of Massachusetts  
                 Amherst, Massachusetts    01002

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Wind Energy Conversion Systems. The Division of Advanced Energy Research and Technology of the National Science Foundation's Research Applications Directorate has announced a program on Research on Wind Energy Conversion Systems. NSF will provide approximately \$3 million for research on advanced systems, subsystems, and associated problem areas related to advancing the capability of extracting useful energy from the wind. Approximately 20-30 awards will be made. Proposals are being sought in six categories. The first two categories involve the definition of requirements and assessment of applications for the large-scale generation of energy. The categories are:

- A-1 Wind Energy Mission Analysis
- A-2 Application of Wind Energy Systems

The remaining four categories involve research on advanced concepts, systems and subsystems, wind characteristics, and other wind energy related advanced research. The categories are:

- B-1 Wind Characteristics
- B-2 Subsystems and Components Research and Technology
- B-3 Advanced or Innovative System Concepts
- B-4 Advanced Farm and Rural Use Systems

The deadline for proposals for Category A-1, Wind Energy Mission Analysis, is June 19, 1974, and for all other categories it's July 17, 1974. NSF brochure 74-11 is available in the Research Development Office, Adm. 314. Additional information may be obtained from:

Administrative Services Office  
National Science Foundation  
Room 231, 1800 G Street, NW  
Washington, D. C. 20550  
(202) 632-4128

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