T R W ENGINEER WILL HEAD CAL POLY DEPARTMENT

The man who has managed the Millimeter Wave Technology Department for TRW Defense and Space Systems Group in Redondo Beach for the past 17 months has been named to head Cal Poly's Electronic and Electrical Engineering Department.

Jorge E. Raue, whose appointment was announced this week by Acting President Dale W. Andrews, will begin his new assignment on Aug. 31.

Dr. Andrews said the appointment was recommended by Hazel J. Jones (Vice President for Academic Affairs); Robert G. Valpey (Dean, School of Engineering and Technology); and tenured faculty of the Electronic and Electrical Engineering Department.

The new department head will succeed Warren R. Anderson, who will retire on Aug. 30 after having been on the Cal Poly faculty since 1946. He has been head of the department since mid-1976.

Dr. Raue, 42, is a graduate of Milwaukee School of Engineering and Marquette University, where he completed study for his Doctor of Philosophy Degree in electronic engineering in 1968.

Since joining the engineering staff of TRW Systems in 1969, he has also been a section head and a member of the senior technical staff. He became head of the Millimeter Wave Technology Department in February, 1978.

Before that, Dr. Raue spent eight years as a member of the faculty and department chairman at Milwaukee School of Engineering where he developed several new courses and a high quality microwave laboratory.

While with TRW, he is credited with successful application of computer-aided design techniques to components and subsystems at millimeter wavelengths that significantly expanded the design capability and led to greatly improved performance of extra high frequency microwave components. Previous to his work, design of such units had been by trial and error.

Dr. Raue regularly conducts seminars on microwave theory and techniques for engineers and others in the space and communications fields.

A native of Clintonville, Wis., where he graduated from Clintonville High School, the new Cal Poly department head is a member of the Institute of Electrical and Electronics Engineers, the American Institute of Aeronautics and Astronautics, and the Association of Sigma Xi.

He has been active in the IEEE professional groups interested in microwave theory and techniques, electron devices, and solid state circuits, and has been on the steering committee and a section chairman for international conferences on communications satellite systems and tele-metering.

He recently was named digest editor and a member of the steering committee for the International Microwave Symposium, which will be held in 1981 in Los Angeles.

Dr. Raue is the author of over 30 technical papers that have been published in professional journals and presented at professional gatherings.

He and his wife, Anke, are the parents of two teen-aged daughters. They plan to make their home in San Luis Obispo.

Cal Poly . . . in the news

An article based on a study of lefthanders by a now-retired Cal Poly counseling officer and another on a Cal Poly student with an unusual campus job both appeared in the July 5 edition of the Los Angeles Times.

The article on the problems of lefthanders was the result of research of Dr. Dean Trembly, former test officer at the Counseling Center. The article reported Dr. Trembly's findings that natural lefthanders who use their right hand for writing are more prone to disease.

Kerry Bedell, a 20-year-old animal science major, was the subject of the other article. Miss Bedell was in charge of the caring and feeding of the some 200 head of cattle at the Beef Cattle Evaluation Center this past year and lived in a room in the center's feed barn.
Insurance premium rates and benefit changes announced for 1979-80

The Public Employees' Retirement System has announced changes to benefits and premium rates of the public employees' medical and hospital care health plans. These changes are effective for the contract period Aug. 1, 1979, through July 31, 1980, and premium changes will be reflected on your check's for the July pay period.

Los Padres Group Health

Effective Aug. 1, 1979, this plan has been made available to Cal Poly employees. Los Padres is a federally qualified health maintenance organization and provides comprehensive health services to enrolled members living and working in San Luis Obispo County.

Because the health maintenance concept is new to this area, two orientation sessions have been scheduled to review the program. One session will be held on Tuesday, Aug. 7, at 12 noon and another on Wednesday, Aug. 8, at 2 pm in the Science North Building, Room 215. A similar session will be held in the fall for faculty members not able to attend one of these sessions. Appointments are not necessary.

Employees currently enrolled in a health insurance plan cannot change to this plan or any other plan until the open enrollment period (Sept. 15 through Oct. 31 with coverage effective Dec. 1, 1979) but this would be a good time to review those plans currently in existence. Comparison charts outlining all available health insurance plans will be available at these sessions.

Benefit changes to existing health insurance plans, which will take effect Aug. 1, 1979, are summarized as follows:

Blue Cross/ Blue Shield
Maternity Care: Maternity care will be paid as any other benefit.
Doctor Visits: Deductible increased from $25 to $40 per calendar year.

Cal-Western Occidental
Maternity Care: Maternity care will be paid as any other benefit for employee and spouse.
Hospital Room and Board: Coverage for the first 70 days (currently CWO provides payment up to a maximum of $100 per day) increased to 100% of the hospital's semi-private room rate.
ICU Room and Board: Coverage increased from 80% to 100% of hospital's daily charge.
Doctor's Home and Office Visits: Increased from $12 to $14 per visit.
Surgical Benefit: Increased from the $70 unit value to $75.

First Farwest
Maternity Care: Maternity care will be paid as any other benefit.

ACSUP--American National
Room and Board: Increase basic plan and major medical room and board maximum from $145 per day to $155 per day.
Doctor Visits: Increase hospital and office calls from $14 to $16, increase home calls from $28 to $32.
Surgical Benefits: Increase basic plan surgical benefit from $14 per RVS unit to $16 per RVS unit; increase the major medical surgical benefit from $17 per RVS unit to $19 per RVS unit.
Mental Health: Add outpatient benefit of $30 maximum per visit, 30 visits maximum per calendar year.

(Continued on page 4)

Bulletin boards

Acting President Dale W. Andrews has approved interim guidelines governing relationships with employee organizations as required by the Higher Education Employer/Employee Relations Act (HEERA). The Interim Guidelines, distributed to all CAM holders under Administrative Bulletin 79-2, designate official Employee Relations Bulletin Boards that have been installed at the following campus locations:

Erhart Agriculture (10), North of Ag 138; Architecture (05), Next to Room 213; Business Administration and Education (02), Northwest Corner of West Wall in Lobby; English (22), East Entrance Corridor; Computer Science (14), West of Room 115;Dexter Library (34), Between Rooms 221 and 222;Science D (52), South of Room 37; Administration Building (01), South Wall Between Rooms 109 and 110; Police Section (74), South Main Quarter; Main Warehouse (70), Next to Room 103; Grounds Building, Next to Entrance; ME Lab - Boiler Room (40), Southwest Corner of South Wall; Farm Shop (09), Lounge Room, West Wall; Library (34), Room 109B, Receiving Room, North Wall; Health Center (27), Room 181, North Wall; Physical Education (42), Next to South Entrance, East Wall Tenaya Hall (110), Residence Hall Services Office, Room 1, North Wall.

These bulletin boards may be used by any employee organization that has been verified by the Chancellor's Office and who have notified the director of personnel relations in writing of intent to use the bulletin boards for organizational purposes. Posting of materials will be the responsibility of the respective employee organization.

Employees are reminded that the display and distribution of organizational materials may be made only at these designated points on campus. Organizational material shall not be displayed on other than these bulletin boards. Personal apparel items such as lapel buttons and automobile bumper stickers placed on private automobiles by their owners are exempt from these rules.
Poly tight with kilowatts

Cal Poly has reduced its use of electricity by 30 percent over the past five years and plans another 10 percent reduction by 1982, according to Richard Tartaglia, acting chief of Plant Operations.

The energy savings have been realized primarily by overhauling lighting systems on campus and by using clocks to cycle the operation of the heating and ventilation systems instead of letting them run continuously, he said.

The savings in energy consumption have been accomplished despite the addition of new buildings and the increased demand for energy over the past five years, Tartaglia said. Both interior and exterior lighting systems have been reworked in order to reduce consumption of electricity.

"One of the main things we've done is reduce the amount of lighting in the hallways, but not the classrooms, of buildings," Tartaglia said.

"For instance, about three-fourths of the hallway lighting is being eliminated or disconnected," he said. "We are also in the process of converting all the four-foot and eight-foot fluorescent tubes to more efficient tubes called super-savers."

The incandescent lights used in bathrooms and some residence halls also are being replaced with more efficient lighting. Tartaglia estimates incandescent lamps are only 10 percent light efficient, the other 90 percent being lost as heat.

Exterior lights for the street and parking areas of campus are also being converted to more efficient fixtures and, in addition to energy savings, an added benefit will be better illumination, he said.

Half of the campus street lights utilizing mercury vapor lights have been replaced with high-pressure sodium lights and the conversion for the whole campus will soon be completed.

"As an example, on Highland Dr. we have replaced the 400-watt mercury vapor lights with the 150-watt sodium lights which use less energy and yet provide better diffused lighting," he said.

Night security lighting on campus is also controlled now by lightsensitive photoelectric cells instead of automatic timers. The cells provide more precise control by activating the light according to light conditions rather than according to an arbitrary time.

But in the case of the heating and ventilation systems, the automatic timers are helping Cal Poly achieve further savings. Previously the systems ran continuously. Now, with the use of the timers, the systems are activated only for time periods when the systems are needed.

With cooperation from faculty, students and staff, Tartaglia believes the additional 10 percent savings will be realized. Basically he hopes university personnel will turn off room lights, especially in classrooms and offices, when the room is not in use.

No reductions in classroom lighting are planned but maintenance workers have placed reminders on the light switches asking that people turn off the lights when leaving the room.

Tartaglia said it's a myth that the wear and tear on fluorescent fixtures offset any electricity savings when people leave their offices for short periods of time, five or ten minutes.

"I hear that from people all the time but it's not true," he said. "Even turning off lights for five minutes when leaving an office results in a net savings. We want everybody to practice energy conservation. Any light that you turn off is energy saved."

Summer workload reduction program

The CSUC Chancellor's Office has announced that support staff employees may, with the approval of their appropriate supervisor, voluntarily reduce their work week during the summer to a 4-day, 8-hour (32 hour) basis with proportionate reduction of salary. Anyone desiring additional information on this matter should contact Robert Negranti (Staff Personnel Officer) Ext. 2236.

Poly Plant shop

The Cal Poly Plant Shop currently has a large selection of plants, both indoor and outdoor varieties, with special savings in effect for some of them.

The plant shop, located at the Ornamental Horticulture Unit, is open from 1 to 5 pm Monday through Friday and from 9 am to 5 pm on Saturday.

Several plants grown for student projects are presently on sale, including African Violets which are marked down 30-50 percent and Purple Waffle plants regularly $4.49, now on sale at $2.25.

The plant shop also has a large variety of outdoor plants ranging from two inches to six inches presently In stock. A wide selection of one and five gallon outdoor plants are also available. The one-gallon plants are $2 and the five-gallon plants are $7.50.

Members of the Gordon Student Chapter of the American Institute of Floral Design will also be available at the plant shop to provide assistance for all flower needs. They will be providing consultations for Cal Poly students or university personnel who need advice concerning flower arrangements for weddings, among other services.

(Cont) . . . McCorkle and administrative dean of instruction. In the latter position he was responsible for the instructional programs of all three of Cal Poly's campuses for several years.

In 1959, Cal Poly President Julian A. McPhee appointed Dean McCorkle to the position of dean of the college in charge of the Kellogg Campus. He served in that position until 1965.

He began his career as director of agriculture at Red Bluff Union High School from 1927-1932. He also served as executive secretary of the California Association of Future Farmers of America during its formative years and as an assistant teacher trainer with the Agricultural Education Division of the state Bureau of Agricultural Education.

He was a past president of the California Agricultural Teachers Association and served five years as an agricultural curriculum consultant for the California Department of Education.
STAFF VACANCIES

Vacant support staff positions have been announced by Robert M. Negrant, Staff Personnel Officer. Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2236. Contact the Personnel Office to obtain an application. The University is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All qualified persons are encouraged to apply.

Student Personnel Technician, $1019-$1223/month, Financial Aid. Maintain and update the Cash-Financial Aid Computer System; advise students on financial aid eligibility; interview students withdrawing from the university relative to its effect on their financial aid. Requirements: two years senior clerical experience in Student Affairs, practical understanding of policies and procedures of financial aid programs. Closing date: 8-3-79.

Clerical Assistant II-A, $729-$871/month, Library (Circulation Section). Performs clerical duties such as charging and discharging books, processing book requests, assisting with overdues and fines procedures, compiling statistics, and performing other duties as assigned. Requirements: One year clerical experience, type 45 wpm and must have taken the General Clerical Test. Hours: flexible 40-hour work week, including evening or weekend hours. Closing date: 8-3-79.

(Continued from Page 2) . . . Insurance premiums

The gross premiums for the health insurance plans as well as the state's contribution were changed effective Aug. 1, 1979. The state's contribution was increased from $38 to $43 per month for each eligible employee, from $72 to $79 per month for employee with one dependent, and from $92 to $102 per month for employee with two or more dependents. Below is a list outlining what the employee will actually pay per month for the health insurance effective with the next paycheck (the state's contribution has already been included in this amount).

<table>
<thead>
<tr>
<th>Plan</th>
<th>Employee's previous cost per month</th>
<th>Employee's new cost per month</th>
<th>Change per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Cross/Blue Shield</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee only</td>
<td>$8.54</td>
<td>$12.31</td>
<td>+ $3.77</td>
</tr>
<tr>
<td>Employee + one dependent</td>
<td>16.49</td>
<td>23.62</td>
<td>+ 7.13</td>
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<tr>
<td>Employee + two or more dependents</td>
<td>11.76</td>
<td>25.52</td>
<td>+ 13.76</td>
</tr>
<tr>
<td>Cal-Western/Occidental</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee only</td>
<td>1.13</td>
<td>0.00</td>
<td>- 1.13</td>
</tr>
<tr>
<td>Employee + one dependent</td>
<td>8.47</td>
<td>1.84</td>
<td>- 6.63</td>
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<tr>
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<td>9.02</td>
<td>2.67</td>
<td>- 6.35</td>
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<tr>
<td>First Farwest</td>
<td></td>
<td></td>
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<tr>
<td>Employee only</td>
<td>5.59</td>
<td>1.00</td>
<td>- 4.59</td>
</tr>
<tr>
<td>Employee + one dependent</td>
<td>9.84</td>
<td>1.00</td>
<td>- 8.84</td>
</tr>
<tr>
<td>Employee + two or more dependents</td>
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<td>1.36</td>
<td>- 2.72</td>
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<td>ACSUP- American National</td>
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<tr>
<td>Employee only</td>
<td>.00</td>
<td>.00</td>
<td>no change</td>
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<tr>
<td>Employee + one dependent</td>
<td>2.37</td>
<td>4.02</td>
<td>+ 1.65</td>
</tr>
<tr>
<td>Employee + two or more dependents</td>
<td>5.59</td>
<td>4.34</td>
<td>- 1.25</td>
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<td>Los Padres Group Health</td>
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<tr>
<td>Employee only</td>
<td>new plan</td>
<td>6.26</td>
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<td>Employee + one dependent</td>
<td>18.52</td>
<td></td>
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<tr>
<td>Employee + two or more dependents</td>
<td>17.06</td>
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</table>

This year the open enrollment period is scheduled to be held from Sept. 15, through Oct. 31, with the effective date of enrollment Dec. 1. An additional announcement as well as a comparison chart will be sent to all employees during the first part of September. A comparison chart will also be available at the orientation sessions mentioned above. Any questions regarding this information should be directed to Barbara Melvin, Personnel Office, Ext. 2236.

LIBRARY DIRECTOR SOUGHT

(Continued advertisement)

Cal Poly is recruiting for a Director of the University Library. A new 59 million dollar library building is now under construction with an estimated occupancy date in Sep. 1980. Approximately 70 staff of which 27 are professional -- over one and one-half million holdings including 525,000 volumes. A master's degree from an ALA accredited library school plus a second earned subject matter master's degree is required. Possession of a doctorate is preferred.

A minimum of five years administrative experience as the director or associate director in a large or fast growing library (similar to this university's) at a four-year institution of higher education is required. Experience with library facility planning, administration, organization and budget management is also required, as is a demonstrated ability to: formulate and administer library policy and procedures; provide leadership to a large professional and support staff; coordinate library services with the instructional program; and handle complex personnel management problems. Annual salary range $29,748-$35,976. Position to be filled as soon as possible. Readvertised position, apply by October 1, 1979 to Dr. Hazel J. Jones, Vice President for Academic Affairs, California Polytechnic State University, San Luis Obispo, CA 93407. Affirmative Action/Equal Opportunity/Title IX Employer.