

# ANNUAL REPORT 1964-65



California State Polytechnic College

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## Foreword

"A period of high civilization is one in which thoughts fly freely from mind to mind, from one country to another."—Gilbert Highet, *The Migration of Ideas*.

If Dr. Highet's conclusion is sound, then we at California State Polytechnic College must feel as a result of our experiences that civilization indeed is currently in a most advanced period.

The close of the 1964-65 college year found the College with teaching teams in two African countries and a faculty survey team bound for a third. Cal Poly students from both campuses were in several foreign lands in the overseas study program of the California State Colleges.

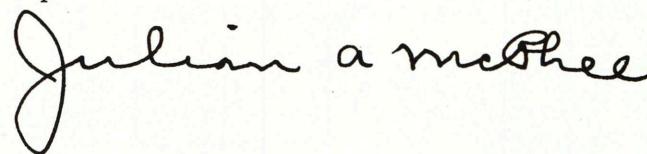
It has been a two-way educational traffic. On the San Luis Obispo Campus 391 students from 62 other nations were enrolled last fall. The Kellogg Campus was host to 177 students from 33 countries overseas.

The great majority of these students on both campuses are in agriculture and engineering, pointing up respect of other countries for American technology. The group of foreign agriculture students includes 70 under the auspices of the Department of State, Agency for International Development. With this agency and its predecessors the College has cooperated since 1951.

The intellectual exchange of which Cal Poly is a part is not restricted, however, to the foreign students. Among the other students drawn from nearly all the counties of California and from many of the other states "thoughts fly freely." The current student has an alert mind and greater independence of thought and spirit. The Cal Poly student wishes to have something to say about how he shall be educated but, fortunately, he goes about it in an orderly manner with respect for the rules.

Working with these world-wide interests and with this large group of intelligent and spirited students has made the year interesting and pleasant.

The year has been made additionally pleasant by the consideration and cooperation of the Trustees and Chancellor of the California State Colleges for whom this report is prepared. The Cal Poly faculty and staff join me in expressing appreciation for the help we have had from these friends.



JULIAN A. MCPHEE  
*President*

# Guidelines for Tomorrow

Long range planning made much further progress at California State Polytechnic College during 1964-65. The Master Building Plan for the Kellogg Campus was approved by the Board of Trustees of the California State Colleges September 3. (The San Luis Obispo Campus Master Plan was approved in the fall of 1962.) The plan is based on a projected full-time enrollment of 10,000 students, expected to materialize by 1980, and on the continuing polytechnic emphasis of engineering, agriculture, business and the applied arts and sciences.

Buildings included in the plan are a new men's gymnasium, a new library, a residence-dining hall complex, and additions to the agriculture, science, business and engineering buildings. Included also is preliminary planning for a college union, roads, parking and site development projects.

The Five-Year Academic Master Plan for the College was approved by the State College Board of Trustees at their December, 1964 meeting. The plan was the end result of the work of the Long Range Planning Committees at each campus. The President who had first presented the report of the Long Range Planning Committee to the Board of Trustees December 5, 1963, presented the Five-Year Curricular Master Plan to them December 4, 1964.

Dates for the introduction of new curricula in the plan are not firm but are merely estimates as to the earliest time at which College criteria of need and appropriateness are likely to be satisfied and the curriculum included in the Catalog.

At the San Luis Obispo campus a curriculum in Natural Resources Management leading to the Bachelor of Science degree is planned to begin in 1967-68. Six Master of Science degree programs also are included in the plan. Graduate programs in Farm Management and Biology are tentatively planned for 1966-67, those in Animal Husbandry and Applied Mathematics for 1967-68, and those in Soil Science and Business Administration for 1969-70.

The plan looks forward to the offering of nine new majors at the Kellogg campus in the course of the next five years. The curriculum in Foods and Nutrition will be introduced in the Fall of 1965-66. The other majors with the tentative dates for their introduction are International Agriculture, Park Administration,

Economics and Construction Engineering all in 1966-67; Data Processing and Finance, Real Estate and Insurance in 1967-68; Electrical Engineering in 1968-69 and Metallurgical and Welding Engineering in 1969-70.

## POLYTECHNIC EMPHASIS

The key conclusion of the Long Range Planning Committee report called for the maintenance of a polytechnic emphasis at Cal Poly consistent with the Enabling Act and legislative mandate

### TRENDS IN ANNUAL FTE\* MAJORS AND FTE TAUGHT IN ENABLING ACT AND CLOSELY RELATED SUPPORTING FIELDS — 1962-64 SAN LUIS OBISPO CAMPUS

Subject Fields	1962-63		1963-64		1964-65	
	FTE Majors	FTE Taught	FTE Majors	FTE Taught	FTE Majors	FTE Taught
Agriculture	1377	819	1463	862	1524	892
Engineering	1865	972	2068	1080	2243	1122
Business & Econ	283	396	310	421	393	519
Home Economics	293	90	313	93	362	107
Physical Sci.	84	515	76	560	95	619
Biological Sci.	194	341	219	336	260	394
Mathematics	182	737	196	785	240	867
Totals	4278	3870	4645	4137	5117	4520
All Other Fields	1212	1627	1289	1788	1428	2030
<b>Campus Totals</b>	<b>5490</b>	<b>5497</b>	<b>5934</b>	<b>5925</b>	<b>6545</b>	<b>6550</b>
Percent Emphasis Fields of Campus Totals	77.9	70.4	78.3	69.8	78.2	69.0

\*—FTE is full-time equivalent and is used as a measure of academic load. A student taking 15 units is a full-time equivalent major. A subject field measures its load in terms of the full-time equivalent students it teaches, i.e., FTE taught.

of the Education Code. It defined the emphasis areas as being the applied fields of Agriculture, Engineering, Business and Home Economics and their closely related supporting fields of Physical Sciences, Natural Sciences and Mathematics. Shown in these pages are charts for the San Luis Obispo and Kellogg campuses indicating the trends in recent years in emphasizing the polytechnic fields.

To implement the Long Range Planning Committee report for maintenance of a polytechnic emphasis, as well as to comply with recently adopted State College regulations which require each college to limit enrollment to the support budget, faculty and facilities which the state legislature has provided, the College adopted a so-called "Quota" plan for admission of new students.

Under this plan admission of new students to each curriculum is restricted to the number necessary to bring the total enrollment in that major to the number that had been projected for it in the establishment of the 1965-66 budget. New students in excess of this number may be registered in a curriculum only by special permission for the temporary increase of its quota. The quotas do not apply, however, to the curricula which attract the smaller numbers of students since it is to affect only those curricula in which more than 150 students are majoring.

## AGRICULTURAL MANPOWER STUDY

Closely related to long-range planning is the study which the College is having made by the Stanford Research Institute. Titled "The Implications of Agricultural Manpower Needs for Curriculum Planning and Evaluation at California State Polytechnic College," the study will examine the needs of agriculture and related industry and, in turn, relate them to the College's curricula. Working with the Institute's team will be a statewide lay committee of agricultural experts. The study is expected to aid significantly in setting the future pattern of agricultural instruction at Cal Poly.

## RELATIONS WITH SCHOOLS

Another phase of planning the student body is accomplished through pre-college counseling, articulation agreements with junior colleges and contacts with high school and junior college counselors. Cal Poly strives to work closely with the junior colleges. Articulation agreements with 74 of the state's 75 junior colleges are now in use. These agreements show the transferability of each junior college course.

Over 3,000 students attending Cal Poly during the Fall 1964 term were former junior college students.

Meetings and workshops were held to explain the new State College admission standards to high school counselors. Four meetings to explain the revised admission standards to counselors in the central coastal area were conducted by members of the San Luis Obispo campus staff and involved 26 high schools and two junior colleges. An admissions workshop for the same purpose held on the Kellogg campus drew an attendance of 80 counselors. A form on which the high school student could determine his own eligibility, was prepared and offered to high schools. Two hundred seventy-nine (279) schools requested 46,000 forms.

## TRENDS IN ANNUAL FTE MAJORS AND FTE TAUGHT IN ENABLING ACT AND CLOSELY RELATED SUPPORTING FIELDS — 1962-64 KELLOGG CAMPUS

Subject Fields	1962-63		1963-64		1964-65	
	FTE Majors	FTE Taught	FTE Majors	FTE Taught	FTE Majors	FTE Taught
Agriculture	577	324	632	345	644	375
Engineering	1062	532	1202	594	1344	715
Business	518	319	538	370	612	414
Physical Sci.	47	271	64	340	84	380
Biological Sci.	158	180	184	190	233	224
Mathematics	108	367	130	393	163	424
Totals	2470	1993	2750	2232	3080	2532
All Other Fields	634	1123	752	1273	963	1524
Campus Totals	3104	3116	3502	3505	4043	4056
Percent Emphasis Fields of Campus Totals	79.6	64.0	78.5	63.7	76.2	62.4

An engineering counselors' day held on the Kellogg campus was attended by 45 counselors.

## INTERNATIONAL EDUCATION

Planning must now encompass the College's commitments to international education. Of increasing importance here are Cal Poly's activities in supplying educational aid to the recently emerging countries in Africa.

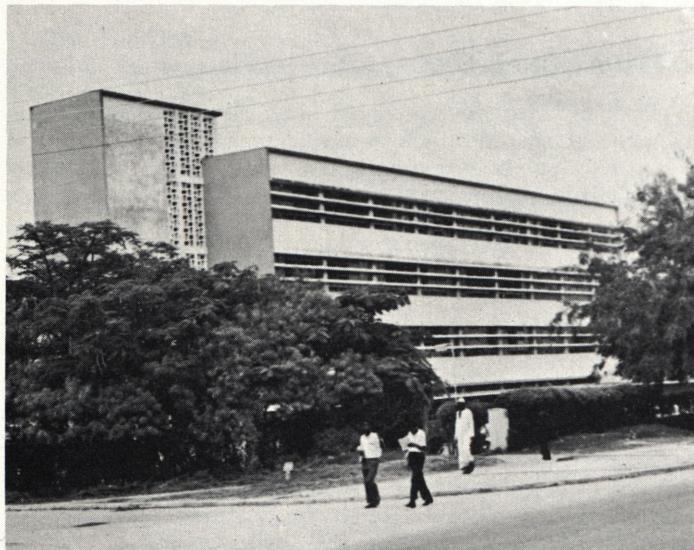
After a pre-survey was made by members of the College staff at the Dar es Salaam Technical College in Tanzania, Africa, the decision was reached to provide technical assistance to that institution. A contract was entered into in cooperation with the Agency for International Development of the United States Department of State to render that service. Two members of the engineering staff at the Kellogg campus and one member of the business administration staff from San Luis Obispo went to the institute during the first part of April. A fourth instructor from Allan Hancock College left August 2 to complete the party. These persons and their families will be at the technical college for two years. The instructors from Cal Poly will provide a program in engineering similar to that provided at the San Luis Obispo and Kellogg campuses.

The College is continuing its first foreign project which was begun in 1963 in the new country of Zambia (formerly Northern Rhodesia) through assistance given to the Evelyn Hone College

of Further Education in Lusaka. A second two-year contract with the Agency for International Development has been agreed upon for continuing this work. The original team of four faculty members who went to Zambia has returned and is being replaced by a new group.

Plans were made during the year to serve the Agency for International Development further by providing a faculty team of three members to survey and evaluate the educational system of the Shambat Institute in Khartoum, Sudan. This team is to make a first-hand study of the Institute during the latter part of the summer and if it determines that assistance should be provided the College will be requested to implement the project in the field of agriculture.

*Classroom and Administration Building at Dar es Salaam Technical College, Tanzania.*



A second phase of Cal Poly's current involvement with international education is its continued cooperation with the Agency for International Development by providing training and services to AID-sponsored students on the San Luis Obispo and Kellogg campuses.

These AID participant students numbered seventy in the fall quarter and sixty-four for the winter and spring quarters.

The majority of AID participants were engaged in academic programs leading to a degree. Two participants received Master of Arts degrees with a concentration in agriculture. Many of these students have achieved outstanding records at the College. One was named outstanding senior in animal husbandry. One was named as one of three outstanding agricultural seniors and was also designated as outstanding scholarship foreign student for 1965. Another received the award for the best senior project in Soil Science for 1965. Fifty-four participants in training during 1964-65, will continue their studies in the coming year at either the San Luis Obispo or the Kellogg campus with degree objectives.

Much is being done to assist these foreign students in making the adjustment to America so that they will gain a broad understanding of the American way of life and people.

#### ACCREDITATION EXTENDED

The seal of approval for the College's current operation and long range planning was received late in the college year with the extension of Cal Poly's accreditation by the Western Association of Schools and Colleges for a new five-year period.

*George F. Furimsky of San Luis Obispo Faculty Conducts a Class in Physics Laboratory at the Evelyn Hone College of Further Education, Lusaka.*



# San Luis Obispo Campus

## ENROLLMENT

With 6,904 students enrolled for fall, 1964, the San Luis Obispo Campus showed an increase of 9.4 per cent in size of student body since the preceding fall. Of the total, 24.5 per cent were women. Foreign students constitute 6.3 per cent of the enrollment. They totalled 391 and came from 62 countries. Engineering enrolled 199 of the students from other lands and agriculture 149.

California supplied 88 per cent of the students at San Luis Obispo who came from every county in the state except Alpine. The largest group of students, constituting 17.3 per cent, came from Los Angeles County. San Luis Obispo County supplied 13.5 per cent of the student body.

Faculty and expenditures grew, of necessity, along with the number of students. The faculty increased by 25 members and totalled 416 of whom 14 taught part time. Budgeted State support appropriation expenditures increased by \$943,524 as compared with those of the preceding year to a total of \$7,437,935.

The Foundation housed an average of 1909 students on campus each quarter. It fed an average of 2260 meal ticket holders in addition to its extensive snack bar operation.

## INSTRUCTION

### *Agriculture Division*

The Agriculture Division has taken significant steps to strengthen the quality of the instructional program. An evaluation of each of the curricula was made and course patterns adjusted in line with the changes taking place in a dynamic agriculture. A re-evaluation of the course materials was undertaken and a systematic approach was taken in re-writing the course outlines to bring them in line with the up-to-date curricula.

The curriculum committee of the division undertook an analysis of the instructional program as it related to career opportunities. The committee presented its study in a report entitled "Departmental Curricular Objectives as Related to Career Opportunities."

The agricultural enterprise program continues to be a most important adjunct to instruction. Operated under auspices of the

California State Polytechnic College Foundation, this program provides an extension of the classroom laboratory to the field. Students are provided, under instructor supervision, realistic experiences in the management of land, plants, crops, animals and products.

In the enterprise program at San Luis Obispo during 1964-65, a total of 421 projects involved 776 students. Student earnings from these projects were \$41,131.62. The dairy projects showed the best profits with \$22,905 while crops projects were next with \$4,681. Beef projects attracted the largest number of students (161) and crops was next in popularity (148).

The instructional program is tied in closely with a strong counseling program in the secondary schools. The counseling of students is a responsibility that cannot be ignored. To provide up-to-date information for counselors a booklet was prepared to assist in directing students into agricultural careers. This booklet "Career Opportunities in Agriculture and Related Fields" has had wide distribution and usage.

The placement of students has been excellent. There is a greater demand for students than the supply. The placement office has not been able to fill the requests of employers which results in many requests remaining unfulfilled at the end of the year.

The Agricultural Council (made up of student representatives from the nineteen clubs in the division) brought to the campus each quarter an outstanding speaker on agriculture, provided tours of the agricultural facilities for school children in the area, promoted Farm City Week, hosted the Future Farmers of America annual Convention, fostered better foreign student relationships and provided strong leadership in student government.

### *Engineering Division*

During the 1964-65 academic year, approximately 100 Engineering Division faculty members taught more than 50,000 student credit hours to 2200 majors within the Division. The provision of buildings, equipment and supplies, the selection and continuous professional development of faculty, the counseling of students, the relations with industry, the actual teaching process . . all are part of a tremendous investment in dollars, time, and energy. Highlight of the year was the completion of a study to answer the question: How well has this investment been made?

Questionnaires were sent to the employers of a random sample of graduates from the years 1960-61, 1961-62, 1962-63. Two-hundred fifty-six employers were contacted and 189 (73.8%) responded. Not all employers answered all questions. A summary of responses to some of the questions is shown below:

Does he (the employed graduate) show evidence of good technical preparation and training? Yes (118) No (1)

Is he able to communicate and express himself effectively?  
Yes (146) No (25)

Is he enthusiastic in his work? Yes (175) No (3)

Does he work well with others? Yes (172) No (5)

Is he willing to help others? Yes (180) No (0)

Does he maintain a superior quality of work?  
Yes (151) No (20)

Is he dependable? Yes (178) No (1)

Does he evidence a ready initiative? Yes (164) No (15)

Does he readily make firm and accurate decisions?  
Yes (130) No (29)

Does he show analytical ability? Yes (150) No (15)

### **Applied Arts Division**

With the move of the Business Administration, Education and Audio Visual departments into the extensively remodeled former Administration building, all the departments of the Applied Arts Division are now housed in modern equipped buildings.

Through the employment of additional highly qualified instructors the Business Administration Department has strengthened all four areas of its concentrations; namely, accounting, business management, marketing and industrial relations. All members of the graduating class who did not wish to go on to graduate school were successfully placed in business.

The Education Department found interest in preparing for secondary school teaching surpassing that in elementary. The enrollment of elementary school student teachers for the year was 93 as compared to 92 the year before. Secondary student teachers totalled 130 compared to 102 last year.

Two new graduate courses in English were approved for inclusion in the 1966-67 catalog, thus making available a concen-

tration in English as a part of the Master of Arts in Education program.

Steady growth of the Home Economics Department since its establishment in 1956 has now brought it into second place in enrollment among the departments in the California State Colleges. To meet needs of this increasing enrollment the department will now offer two upper division courses in Home Management, one for teaching credential candidates and the other for all other students.

Enrollment in piano courses in the Music Department increased this year to a point where practice rooms became a problem. There were 143 piano students. Evenings and Sunday afternoons the practice rooms and listening library are filled to overflowing.

Members of the Physical Education Department faculty contributed to the second revision of the College's Athletic Policy and Procedure Statement which was completed this year. The coordination of the athletic program by a member of the Physical Education Department faculty has proved most satisfactory.

All graduates of the Printing Engineering and Management Department were placed this year with starting salaries from \$500 to \$750. The department had requests for 30 more graduates for positions than it could supply.

The number of majors in Technical Arts increased during the year from 146 in the fall to 185 in the spring quarter.

Bringing added prestige to the Technical Journalism Department was the installation of a Cal Poly chapter of Sigma Delta Chi, national professional society for journalism.

### **Applied Sciences Division**

Separately identified majors in chemistry and physics were available in the Applied Sciences Division for the first time in 1964-65. As a result of this more precise identification, major enrollments improved significantly in both. The change of name of the Agricultural Chemistry major to Biochemistry also resulted in improved enrollment.

A grant of \$10,000 from the National Science Foundation to the college which was received at the very end of the previous academic year is being planned for use in the purchase of an electron microscope. The National Science Foundation grant was

made possible by the research grant previously made to Dr. Dennis Hynes in the Biological Sciences Department. His grant was continued through 1964-65. Dr. Harry Finch has also been the recipient of a National Science Foundation research grant during the past year.

The ROTC unit enjoyed its largest enrollment in history and, in fact, constituted the largest elective ROTC unit in the 13 western states and also the fourth largest such unit in the entire United States. The unit's drill team, girls Kaydettes corps, rifle and pistol teams won over 100 awards in competition with other college, university and community groups during the past year. One of the cadets was chosen as the outstanding ROTC student in the state of California as a result of his summer camp experience which terminated at the end of July 1964.

### **Library**

The College library acquired an additional 20,778 volumes during 1964-65, bringing the total bound volume collection to 151,890. In addition, there are 14,000 collection items including such things as microfilm, curriculum materials, curriculum library, textbooks, etc. Approximately 1600 periodicals are received.

### **Conferences and Workshops**

The College's program of service to off-campus groups through conferences, workshops, seminars, etc. expanded to 31 events with the addition of eight new meetings this year. Four of the new groups are expected to return to the campus on an annual basis. Of the 31 groups, 25 will continue to meet at Cal Poly each year.

The Agriculture Division was the most active in this off-campus phase of the educational program. That division sponsored 18 of these groups. The Applied Arts Division sponsored 8, the Applied Science Division 1, and the Engineering Division 4.

Among groups served were California Cooperative Ginners, Western Farm Economics Association, California Farm Bureau, California Farm Brokers, American Association of Bioanalysts, Bank of America, California Hay, Grain and Feed Association, California Grange, American Society of Agricultural Engineers, Future Homemakers of America, Future Farmers of America, Western Fair Association, California Pipe Trade Council, California Agriculture Teachers Association, and California Association Refrigeration Service Engineers Society.

### **Instructional Materials Program**

Production of teaching materials for use in high schools continued to expand during the 1964-65 academic year as the impact of a fund-matching grant under the Vocational Education Act began to be felt toward the end of the period. This grant will make it possible to accelerate the writing and production activities and to increase the quantity of materials available.

Production was under way in the preparation of materials for use in vocational education in the following areas:

*Agriculture*—Agricultural Safety, Beginning Techniques in Corsage Making, Exercises in Biological Principles for Agricultural Crops, Experiments in Soil Science, Farrowing of Swine, Food Processing, Grain Recognition, Judging Kits (Beef and Sheep), Greenhouse Plants, Ornamental Horticulture Handbooks (Nursery Management, Landscape Design, Floriculture), Pruning Ornamental Shrubs, Raising Healthy Livestock, Shipping Animals, Use of the Level, Part II—Using the Rod.

*Technical Arts*—Applied Design, Designing for Production, Purposes of Basic Electronic Components, Use of the Electronic Wood Welder, Your Future as a Draftsman.

*Home Economics*—Table for Two (waitress training).

*Metallurgy*—Oxy-Acetylene Welding, Part II—Techniques.

Productions released for distribution during the past year were: Use of the Level, Part I—Setting up the Instrument, Anatomy of the Fowl, How to do a Poultry Autopsy, Poultry Brooding Management, Beginning Techniques in Flower Arrangement, Who Needs Counselors? (guidance brochure).

### **Computer Center**

The Computer Center, including the IBM 1620 and Bendix G-15, became a full-time operation at the beginning of the fall quarter. The Center serves all divisions of the College.

Two special training sessions were held during the year for staff members. A four-day FORTRAN seminar was held during the week before the beginning of fall quarter and a two-session seminar on the use of the 407 Printer was held during the fall quarter. Demonstrations have been given to many classes throughout the year.

During the fall quarter the Computer Center was operated by student assistants. A full time operator was added January 1. Two

additional pieces of equipment were added to the Center during the fall quarter: an 026 Key-punch and an 047 Printer.

Departments submitting problems to the Computer Center during the year were: Aeronautical, Electronic, Electrical, Industrial, and Mechanical Engineering, Architecture and Architectural Engineering, Agricultural Business Management, Business, Education, Home Economics and Mathematics. The number of problems submitted for processing on the IBM 1620 was 6594. Students run their own problems on the Bendix G-15.

A Program Library was started during the winter quarter and now consists of over 40 programs which are available for use by administration, staff, and students. These include several administrative programs, engineering programs, mathematics and statistics programs and programs for use in demonstrations.

## PLACEMENT

Employer campus recruitment activity for 1964-65 shows 459 representatives of 271 employers made 333 visits to the San Luis Obispo campus. Meeting appointments on 326 interview schedules, these representatives made 4,409 student contacts. An additional 2,000 interview appointments were available to Cal Poly students on campus; 41 additional employers would have visited Cal Poly had student interest been sufficient in the type of employment opportunities available. By the end of the 1964-65 college year 77 employers had reserved 113 interview dates for next year.

The number of employers who contact the placement office by letter and telephone calls seeking seniors and alumni with agriculture, business, education, and other technical and non-technical degrees for openings in their operations continues to increase sharply. Actually, there are more employers who do not interview on campus than do.

More than campus recruitment is involved in a successful placement office operation. For example, it is important a placement office help to maintain the morale of that large group of students not ordinarily pursued on campus by employers. To help, the placement office provides employment counseling and job search preparation, contacts with employers in non-demand areas, provision of job search type informational materials, coordination of part-time and summer employment counseling with career employment, current job market information, and follow-up studies.

A sampling of the offers of employment made to 1964-65 graduates shows that the Electronic Engineering Department is out

in front again with the highest offer received and the highest average of offers. The sample includes 20% or more of the graduates from each of the departments represented. The highest offer received by an electronic engineering graduate was \$761 a month and the average offer for electronic engineering was \$645. Average offers for the graduates of other engineering departments were Aeronautics, \$639; Air Conditioning and Refrigeration, \$542; Electrical, \$627; Industrial, \$618; and Mechanical \$587.

Part-time employment is an important and interesting facet of the placement office operation. In addition to the many on-campus employment opportunities, over 1,100 requests (many involving more than one student) from the local community for students to take part-time employment or to work at an odd job were handled since July 1, 1964.

Teacher placement activity has continued to increase sharply, also. Eighty-one school districts recruited on campus during 1964-65. This compares with 47 last year. Comparative figures are given for the current and previous years:

	No. of Confidential Folders Provided School Officials	Teachers and Teacher Candidates Using Service
1958-59	394	158
1959-60	444	162
1960-61	639	206
1961-62	758	251
1962-63	930	285
1963-64	989	354
Estimated 1964-65	1400	445

## COUNSELING AND TESTING

Nearly 2,000 (1918) students were seen this year in the Counseling Center in individual interviews. The total number of interviews was 2,888. Nearly 72 per cent were seen for one interview, 17 per cent for 2 interviews, 6 per cent for 3 interviews, 3 per cent for 4 interviews and 2 per cent for 5 or more interviews. Less than 1 per cent were engaged in long term counseling. Most of the students (74 per cent) were self-referrals. Approximately 28 per cent of the students enrolled had at least one counseling interview during the year.

A unique aspect of the counseling activities has to do with time set aside for each counselor to work closely with the instructional faculty. Nearly 200 counselor-instructor meetings were held this year involving 406 different instructors.

Group counseling activity with students included group therapy, group test interpretation, remedial skills groups and resident hall manager training groups. Two hundred separate group sessions were held encompassing nearly 1500 specific students. The total number of individuals seen for individual and/or group counseling was over 3,000, nearly 50 per cent of the student body.

Almost 15,000 tests were scored this year for instructors utilizing the machine scoring service of the testing center. With the acquisition of the IBM 1230 machine for the coming year, it is expected that more instructors will take advantage of its versatility and utility.

## HEALTH CENTER

The total number of patients visiting the Health Center from July 1964 through May 1965, was 26,739. Of these 18,594 were seen by physicians. The activities of the Health Center are further reflected in the following statistics: Laboratory exams, 21,275; physical therapy prescriptions, 4,237; X-ray films, 6,328; pharmacy transactions, 7,657 and patient bed days, 1,728.

## FINANCIAL AID FOR STUDENTS

Scholarships administered by the College totalling \$74,126 were provided for 228 students during the year. These were supplemented by 105 miscellaneous scholarships which were not administered by the College and totalled \$28,483.49.

Short term loans to students numbered 947 for a total amount of \$30,534. Eighty-one long term loans were made totalling \$14,156. Fifty applications for loans of this type were not approved.

Of applications for National Defense Student Loans, 269 were approved and 155 were not approved. Loans were made for a total \$194,100.

Loans approved for the United Student Aid Funds, Inc. program totalled 114 for an amount of \$41,130. Thirty-seven other applications were not approved. Ten donors have contributed a total of \$9,300 to the guarantee fund for this loan program which gives the College a loaning capacity of \$128,750.

During 1964-65, the San Luis Obispo campus continued to operate an unusually large program of on-campus employment for students. The number of students so employed reached 2,326 and the total amount of wages paid to them was \$746,855. Of this total \$461,707 were provided by the College, \$251,698 by the California State Polytechnic College Foundation, \$14,000 by the student bookstore and \$19,450 by the Associated Students, Inc.

*Architect's Concept of the Building for Biological Sciences Planned for Early Construction at San Luis Obispo.*



## BUILDING PROGRAM

The San Luis Obispo Campus completed its \$1.7 million Administration Building in late fall of 1964, the only major capital project completed during this year. Minor projects totaling some \$100,000 are in various phases of design and construction, the most significant of which is a 220-car capacity extension to the major parking area adjacent to the Grand Avenue entrance to the College.

The summer and fall of 1965, begin another phase of intense construction activity to keep pace with the instructional and service needs of the San Luis Obispo Campus. Remodeling of the former Administration building (new Business Administration and Education) and portions of the Engineering East building will increase the instructional capabilities of these two units. Late summer will bring the beginning of construction of the new \$1.6 million Science building with instructional facilities primarily for Biological Sciences. Also under construction at the same time will be the first phase of the outdoor swimming pool complex and miscellaneous improvements to campus utility networks.

The immediate future contains plans for the construction of the long awaited non-state financed College Union, scheduled for completion during the 1966-67 academic year at a cost of \$3 million. Additional residence facilities, outdoor athletic facilities and academic buildings are also on the construction program horizon. These plans indicate a capital outlay expansion program of some \$2.5 million annually for some time to come.

# Kellogg Campus

## ENROLLMENT

Fall registration, 1964, showed a 13.7 per cent increase as compared with that of the previous year. The total of 4428 students included 22.8 per cent women, almost twice the percentage of women when coeds were first admitted to this campus in 1961. The student body came from 25 California counties with Los Angeles County supplying 60.8 per cent of it and San Bernardino County 14.3 per cent.

Although foreign students constituted only 4 per cent of the enrollment, they numbered 177 and came from 33 countries. Engineering curricula were chosen by 71.1 per cent of these foreign students.

To provide for this larger number of students it was necessary to increase the number of the faculty and the amount of expenditures. The faculty during the year totalled 263 of whom 32 were employed part time. The Arts and Sciences Division faculty numbers 165, Engineering 59, and Agriculture 39.

State budgeted expenditures for 1964-65 totalled \$5,353,488, an increase of \$1,279,651 over the expenditures of the preceding year.

## INSTRUCTION

### *Agriculture Division*

Of primary importance in 1964-65 was an agricultural land use study as a part of the overall development of the campus master plan. Each department in the Agricultural Division projected land needs in light of meeting curriculum objectives consistent with both enrollment and general campus growth. Important in the study was the inclusion of new land lying between San Jose wash and Valley Boulevard and smaller parcels south of Temple Avenue. This property was acquired to replace approximately 100 acres at the easterly tip of the campus to be severed by the north-south freeway.

To replace citrus acreage to be destroyed by the new freeway, plantings on newly acquired land lying north of the San Jose wash have been proposed. These plantings will begin in 1966-67 and extend over a five-year period totalling 25 acres.

Continuing the Cal Poly tradition in the use of agricultural projects to provide opportunities for learning-by-doing, 291 students participated in 104 projects during the year. The students'

share was \$7,777 out of a gross income for the enterprises of \$67,965.

The three largest enrollments in the division were in Landscape Architecture, Animal Science and Agricultural Business Management. The new options in Urban Planning and Park Administration are growing in popularity and are supported by genuine interest in industry.

In final stages of planning is a new major proposal in International Agriculture. This major will concern itself with the overseas needs for American agricultural technology. Year-by-year there are growing opportunities for young people in occupations involving foreign agriculture.

The Agriculture Division played a leading part in the sponsorship of workshops, conferences and other meetings of off-campus groups. The traditional Agriculture Field Day held for high school students in early April drew the largest attendance of some 1,300. Schools for 4-H leaders in the fall and winter attracted a total registration of 400. The Cutting Horse Association Finals held through two days in December found 350 persons in attendance.

Other agricultural events which brought considerable numbers of persons to the campus were the Allis-Chalmers Product School, the meeting of the American Society of Agricultural Engineers in December, the Meats School, the Allis-Chalmers Service School, the California Nurserymen's Awards Banquet, the Produce Conference in May and the Sunkist barbecue.

### *Engineering Division*

A student chapter of the American Society of Civil Engineers was established on the Kellogg Campus during the year. The new chapter took first place in a student paper contest among some 15 colleges and universities in California, Arizona, Utah and Nevada at the Pacific Southwest Conference of the American Society of Civil Engineers in April. The Bendix Award for the outstanding student branch of the Society of Automotive Engineers was awarded to the Kellogg campus branch for 1964-65.

Local industries such as the Hadley Company, Pomona, Spectral Electronics of the City of Industry and the Autonetics Division of North American Aviation have arranged to sponsor senior projects to be carried out by mechanical engineering students. Beckman Instruments, Inc., was added during the year to the list of industrial companies who are participating in the college's work-study program.

The new buildings which the Engineering Division occupied during 1964-65 have doubled the capacity of the division.

The Engineering Division with the Mathematics Department sponsored the Eighth Annual American Society for Quality Control Conference. The Engineering Division also sponsored the Fifth Annual Spring Lecture Series of the Institute of Electrical and Electronics Engineering, which had 750 participants; the Jets National Project Exposition and a 5-day program in recognition of National Engineering Week.

#### **Arts and Sciences Division**

Several of the departments embarked on an intensive evaluation of the curriculum to up-date the instructional program. New courses were added to the curricula, some courses were deleted and many were modified to bring the offerings up-to-date. A number of proposals are under consideration to prevent proliferation and duplication of course offerings.

Activity in student internships increased over previous years in the Business Management and Accountancy majors. In the Social Sciences area internship activity remained stable.

The Music Department sponsored the first Cal Poly Invitational Music Festival during the year. The Physical Sciences Department sponsored the Annual American Chemical Society competitive examination for the first time. The Mathematics Department joined the Engineering Division in sponsoring the eighth Annual American Society for Quality Control Conference.

#### **Library**

The Library holdings during the 1964-65 year were increased by 92,637 including 58,000 books cataloged, 14,637 bound periodicals and 20,000 documents. The increase this year was almost 25,000 items larger than that of the preceding year.

#### **Computer Center**

Programs processed in 1964-65 totalled 7,252 compared with 5,014 in 1963-64. The total computer time used was almost 600 hours, an average of over 16 hours per week. Heavier use of this facility is anticipated during 1965-66. To meet the expected demands, two additional key punch machines are being made available. One additional room was made available for the Center to allow students access to key punch machines. Students punch their programs and the computer operator processes the cards.

#### **PLACEMENT**

On-campus interviews by employers set a new record high this year at the Kellogg Campus and, based upon partial returns, average salaries offered to 1965 graduates were higher than the previous year.

Some 154 companies sent representatives one or more times during the year, conducted 275 interviewing schedules, and met 81 per cent of the senior class. By June, 1965, nearly 100 firms had recruiting dates for 1965-66 already scheduled. While space-industry demands for technical graduates continued strong, greater emphasis in consumer product companies was noted than in previous years. Demand for accountants and graduates in agriculture is greater than the supply.

A partial report, based upon extremely small samples in some majors, found the mean salaries offered to engineers at \$633 per month; Business, including Marketing and Accounting \$569; Arts and Sciences \$541; and Agriculture \$538.

Part-time jobs in nearby communities were plentiful during 1964-65 school year for students interested in working to supplement school budgets. Over 1,600 off-campus job orders were listed with the Placement Center in the period September through May. Salaries ranged from \$1.50 to \$4.00 per hour depending upon the nature of employment.

#### **COUNSELING AND TESTING**

The Counseling Center handled 2,503 counseling cases during the year including 240 for foreign students. The method used this year was to have a "counselor on duty" for each day of the week. The counselor on duty would counsel the student almost immediately upon his request for help. If there was adequate time, the counselor on duty would work with the student as if it were a first counseling session. If there was little time, the counselor on duty would refer the student to a counselor at some future date.

#### **HEALTH CENTER**

The Student Health Center performed 24,159 procedures. These included 10,172 students seen by physicians; 386 minor surgical procedures; 4,491 seen at the nurses station; 4,560 physiotherapy treatments; 2,596 laboratory procedures; 1,954 X-ray examinations. In addition, the health history and examination forms of all new students were reviewed by the physicians.

## FINANCIAL AID FOR STUDENTS

Twelve new scholarships became available for Kellogg campus students during the year. The largest scholarship gift consisted of four \$500 scholarships to be given annually by the Foundry Educational Foundation to students in industrial engineering and related fields preparing themselves for careers in the foundry industries.

The Emblem Club of Pomona has established a \$500 annual award for a qualified senior who plans a career in the mental health field. An annual scholarship in the amount of \$400 is provided by the Western Electric Company for an engineering student preparing for a career in elementary education.

Students received an estimated \$62,500 in short term loans at the Kellogg campus which involved 1,250 transactions and an average loan of \$50. Under the National Defense Student Loan program, 262 loans were made to students for a total of \$112,000. The average loan was \$428. Under the United Student Aid Funds, Inc. program, 39 loans were made during the year to Kellogg campus students for a total amount of \$14,349, the average loan being \$368.

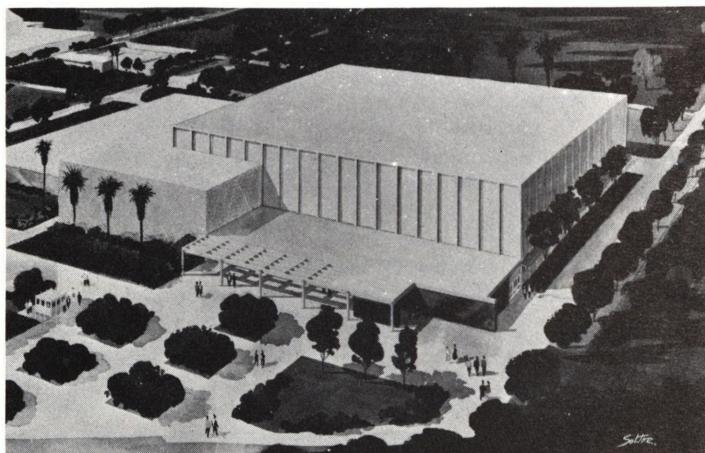
On-campus employment opportunities were provided for some 500 students enabling them to earn \$292,036 during the year.

## BUILDING PROGRAM

The 1964-65 academic year saw the completion and occupancy of the \$5.5 million Engineering Addition. The completion of this facility adds approximately 174,000 square feet of gross area to the present engineering complex and provides space and facilities for increased enrollments in Aerospace, Civil, Electronic, Industrial and Mechanical Engineering.

During the year, the working drawings for the Men's Gymnasium were completed with construction expected to start about July, 1965. The gymnasium will have a 3,000-seat main basketball court and will also provide for instruction in volleyball, badminton and tennis. Also as a part of the gymnasium project are rooms for

*Architect's Drawing of New Gymnasium for Men Now under Construction at the Kellogg Campus.*



wrestling, adaptive physical education and elementary physical education. This \$2.5 million facility will probably be occupied by the college in early 1968. Working drawings were also completed for air-conditioning the Business Classroom Building and the Science Classroom Building. These projects are expected to be completed during the 1965-66 academic year.

During the academic year preliminary planning was undertaken for a new four-story library building. This new facility will be approximately 144,000 square feet in size and cost about \$4 million. Space will be provided for 266,000 volumes and together with reading rooms, offices and work rooms will meet the needs of a 6,650 F.T.E. student body.

Also in the preliminary planning stage during the 1964-65 year was a new Residence Hall Complex consisting of a Residence Dining Hall for 1,200 students and a residence hall facility for approximately 400 women. Associated with the latter will be auxiliary buildings for the social and recreational needs of the resident students. Estimated cost of these facilities is \$3 million.

## The Educational Center

One of the College's deepest traditions and greatest successes is the continuing close acquaintance it has built through the years with the fields which employ Cal Poly graduates and supply such a rich portion of its practiced faculty. Located on the Voorhis Campus, near San Dimas in Los Angeles County, the "Educational Center" has been developed as an effective instrument for maintaining and broadening Cal Poly's working partnerships.

During its as-yet-brief history, the Center has worked with almost 250 conferences. Some 85% were in-residence. About half comprised groups from business and industry, and the balance were fairly well divided between government at its several levels, education, and community organizations. Again, about half of the conferences have been essentially Southern California in make-up; 25% have been statewide, 22% national, and 100% Pacific regional. As might be expected, more and more alumni are represented in the seminars, workshops, short courses and similar programs that help keep pace with career demands.

From the start, the Center has had several basic programming interests. One of these is the assisting of groups approaching their first in-residence conference experience. Some twenty such groups have thus far been assisted. Included this past year were the nation's first advanced seminar on orchid diseases, the Los Angeles County Management Development Conference, the Southern California Section of the Building Contractors Association of California conference on personnel administration, and the formational conference of the Southern California agricultural produce council.

Another basic interest has been the bringing to California of outstanding programs previously held only in other parts of the country. Examples of the continuing activity in this area were the past year's first western workshop on juvenile problems of the International Association of Police Chiefs and the first western workshop for Rotary Drilling Engineers.

### EDUCATIONAL CENTER PROGRAMMING STATISTICS

	1961-63 Cumulative	1963-64	1961-64 Cumulative	1964-65	1961-65 Cumulative
Conferences -----	105	53	158	66	224
In Residence -----	96 92%	45 85%	141 89%	48 78%	189 85%
<b>FIELDS OF ORIGIN</b>					
Business/Indus. -	45 42%	23 43%	68 43%	30 45%	98 44%
Government -----	25 24%	7 13%	32 20%	6 9%	38 17%
Education -----	20 19%	10 19%	30 19%	21 32%	51 23%
Community -----	15 15%	13 25%	28 18%	9 14%	37 16%
<b>GEOGRAPHIC AREAS OF ATTENDANCE</b>					
National -----	20 19%	16 30%	36 23%	13 20%	49 22%
Pacific Reg. -----	18 17%	3 6%	21 13%	2 3%	23 10%
Statewide -----	23 22%	18 34%	41 26%	14 21%	55 25%
So. California ---	44 42%	16 30%	60 38%	37 56%	97 43%

Two new programming interests were introduced during 1964-65. A series of short-courses was developed to orient administrators and their key assistants to use of electronic data processing as an effective management tool. These were so successful an additional series has been scheduled for 1965-66. Work was also undertaken to experiment with the "residential overnighter" and to possibly develop it as a program pattern particularly effective for a metropolitan area and its suburbs. The "overnighter" is a program which begins one day, includes dinner and an evening meeting, and concludes early enough the following day for participants to return home. Here, too, this first year's results have encouraged the Center to continue this work during 1965-66.

Almost exactly midway between Santa Barbara and San Diego, the Center occupies a highly strategic site regionally and nationally. This was foreseen when in 1956 President McPhee first began consideration of the Voorhis Campus as an eventual "Educational Center." There is every indication there will never be any lack to its varied and continuing challenges.

The conferences at the Center thus far have represented the participation of 31,000 person-days.

**Table I-A. TOTAL ENROLLMENT BY MAJOR,  
San Luis Obispo Campus, Fall 1957 — Fall 1964**

Major	1957	1958	1959	1960	1961	1962	1963	1964
<b>Agriculture</b>								
Ag. Bus. Mgmt.	—	—	23	77	133	182	225	252
Ag. Ed.	13	17	19	23	22	17	47	
Ag. Engr.	125	122	109	102	100	91	87	97
Mech. Ag.	120	132	116	113	95	102	107	98
Animal Husb.	340	300	357	364	410	437	446	434
Crops	99	96	95	110	100	109	130	128
Fruit Prod.	20	22	32	30	40	40	39	47
Dairy Husb.	61	58	65	64	60	63	67	64
Dairy Mfg.	25	26	32	32	37	37	28	31
Farm Mgmt.	61	100	118	126	114	133	135	160
Food Proc.	—	—	3	4	19	21	29	27
Orn. Hort.	55	43	46	66	71	81	98	109
Poultry Ind.	39	35	42	43	39	32	40	38
Soil Science	81	66	68	76	73	68	65	73
<b>TOTALS</b>	<b>1039</b>	<b>1017</b>	<b>1125</b>	<b>1230</b>	<b>1313</b>	<b>1418</b>	<b>1513</b>	<b>1605</b>
<b>Engineering</b>								
Aeronautical	267	250	242	185	175	180	202	216
Air Cond. & Ref.	99	82	88	79	73	85	104	109
Architectural	285	307	315	356	356	461	554	693
Electrical	172	159	144	124	130	148	143	159
Electronic	705	573	550	503	491	496	516	574
Industrial	97	103	97	102	104	112	101	111
Mechanical	555	506	444	415	350	375	395	398
Weld. & Met.	—	—	16	29	40	41	45	36
<b>TOTALS</b>	<b>2180</b>	<b>1980</b>	<b>1896</b>	<b>1793</b>	<b>1719</b>	<b>1898</b>	<b>2060</b>	<b>2296</b>
<b>Applied Arts</b>								
Business	—	—	55	167	204	293	331	387
Educ., Elem.	120	178	217	350	430	513	323	197
Educ., Sec.	27	98	64	47	98	154	252	225
English	17	31	37	20	4	1	76	183
Home Ec.	64	87	97	174	237	311	336	377
Physical Ed.	97	135	160	142	151	141	146	168
Printing	109	106	95	107	107	110	133	128
Tech. Arts	—	31	77	102	105	131	131	140
Tech. Journ.	48	52	33	55	73	69	72	57
<b>TOTALS</b>	<b>482</b>	<b>718</b>	<b>835</b>	<b>1164</b>	<b>1409</b>	<b>1723</b>	<b>1800</b>	<b>1862</b>
<b>Applied Sciences</b>								
Biological Sci.	72	85	93	143	165	201	242	268
Mathematics	89	131	140	152	175	181	200	238
Physical Sci.	29	47	53	57	56	71	62	75
Biochemistry	15	15	22	22	27	17	19	23
Social Sci.	102	105	131	138	230	259	393	514
<b>TOTALS</b>	<b>307</b>	<b>383</b>	<b>439</b>	<b>512</b>	<b>653</b>	<b>729</b>	<b>916</b>	<b>1118</b>
Unknown	103	84	182	14	7	33	21	23
<b>Campus Totals</b>	<b>4111</b>	<b>4182</b>	<b>4477</b>	<b>4713</b>	<b>5101</b>	<b>5801</b>	<b>6310</b>	<b>6904</b>

**Table I-B. TOTAL ENROLLMENT BY MAJOR,  
Kellogg Campus, Fall 1957 — Fall 1964**

Major	1957	1958	1959	1960	1961	1962	1963	1964
<b>Agriculture</b>								
Ag. Bus. Mgmt.	87	87	86	107	97	102	117	120
Agronomy & Soils	83	88	68	70	65	60	59	49
Animal Science	95	127	104	128	133	130	160	169
Fruit Ind.	39	35	46	40	37	35	39	38
Land Arch.	149	120	141	140	182	191	206	239
Orn. Hort.	42	56	64	63	71	76	78	74
Service & Insp.	48	36	32	38	39	42	42	37
<b>TOTALS</b>	<b>543</b>	<b>549</b>	<b>541</b>	<b>586</b>	<b>624</b>	<b>636</b>	<b>701</b>	<b>726</b>
<b>Engineering</b>								
Aerospace	23	42	80	91	79	113	167	199
Civil	—	—	—	—	73	120	169	241
Electronic	115	233	374	525	498	576	623	610
Industrial	26	41	66	81	76	77	87	121
Mechanical	52	116	165	237	262	276	269	285
<b>TOTALS</b>	<b>216</b>	<b>432</b>	<b>685</b>	<b>934</b>	<b>988</b>	<b>1162</b>	<b>1315</b>	<b>1456</b>
<b>Arts &amp; Sciences</b>								
Accountancy	—	12	32	57	95	133	159	179
Bus. Mgmt.	—	66	123	209	339	408	408	441
Marketing	—	4	19	29	28	28	36	36
Biological Sci.	20	25	55	71	118	177	196	261
Educ., Elem.	—	—	—	—	—	197	237	45
Educ., Sec.	—	—	—	5	20	22	21	42
Language Arts	—	10	11	11	4	47	94	217
Mathematics	—	19	50	74	99	121	142	185
Physical Ed.	19	57	80	102	125	153	168	174
Physical Sci.	—	14	31	44	46	57	73	97
Social Sci.	—	21	35	92	263	273	319	569
<b>TOTALS</b>	<b>39</b>	<b>228</b>	<b>436</b>	<b>694</b>	<b>1137</b>	<b>1616</b>	<b>1853</b>	<b>2246</b>
<b>Campus Totals</b>	<b>798</b>	<b>1209</b>	<b>1662</b>	<b>2214</b>	<b>2749</b>	<b>3414</b>	<b>3869</b>	<b>4428</b>

**Table II-A. TRENDS IN ENROLLMENT BY CLASS LEVEL,  
BY ENROLLMENT STATUS, AND BY SEX  
San Luis Obispo Campus, Fall 1956 — Fall 1964**

Year	Fresh	Soph	Junior	Senior	Under- Grads	% Lower Division	Total Grads.	Total Reg.*
1956	1151	954	828	702	3635	57.9	50	3685
1957	1111	1043	893	857	3904	55.2	42	3946
1958	1487	1147	782	459	3875	68.0	52	3938
1959	1269	1380	998	482	4129	64.2	44	4210
1960	1438	1357	1000	654	4449	62.8	48	4497
1961	1736	1359	930	764	4789	64.6	49	4838
1962	1872	1661	1015	846	5394	65.5	68	5462
1963	1901	1761	1218	940	5820	62.9	88	5908
1964	2244	1301	1386	1481	6412	55.3	110	6522

\*—Includes unclassified

Note: From 1958 thru 1963 class level was determined by units remaining to be completed in the major. For 1964 class level is based on accumulated units only.

**Part B—Enrollment Status**

Fall	Individuals		% Reg. Limited	
	Total	Limtd.	Total	Limtd.
1956	3685	105	3790	2.8
1957	3946	165	4111	4.0
1958	3938	244	4182	5.8
1959	4210	267	4477	6.0
1960	4497	216	4713	4.6
1961	4838	263	5101	5.2
1962	5462	339	5801	5.8
1963	5908	402	6310	6.4
1964	6522	382	6904	5.5

**Part C—Enrollment by Sex**

Fall	%		
	Men	Women	Total
1956	3523	267	3790
1957	3651	460	4111
1958	3684	498	4182
1959	3827	650	4477
1960	3886	827	4713
1961	3999	1102	5101
1962	4386	1415	5801
1963	4778	1532	6310
1964	5211	1693	6904

**Table II-B. TRENDS IN ENROLLMENT BY CLASS LEVEL,  
BY ENROLLMENT STATUS, AND BY SEX**  
**Kellogg Campus, Fall 1956 — Fall 1964**

**Part A.—Enrollment of Regular Students by Class Level, & % Lower Div.**

Year	Fresh	Soph	Junior	Senior	Under- Grads	% Lower Division		Total Reg.*
						Grads.	Total	
1956	143	179	88	90	500	64.4	0	500
1957	308	175	152	117	752	64.2	2	754
1958	515	444	157	65	1181	81.2	0	1185
1959	678	580	283	94	1635	76.9	0	1635
1960	710	705	376	358	2149	65.8	4	2153
1961	1037	993	507	90	2627	77.3	14	2641
1962	1580	858	657	176	3271	74.5	14	3285
1963	1804	970	730	381	3685	69.8	16	3701
1964	1605	1053	916	629	4203	63.2	28	4231

\*—Includes unclassified.

Note: From 1958 thru 1963 class level was determined by units remaining to be completed in the major. For 1964 class level is based on accumulated units only.

**Part B—Enrollment Status**

Fall	Individuals		% Reg. Limited	
	Total	Limtd.	Total	Limtd.
1956	500	4	504	0.8
1957	754	44	798	5.5
1958	1185	24	1209	2.0
1959	1635	27	1662	1.6
1960	2153	61	2214	2.8
1961	2641	108	2749	3.9
1962	3285	129	3414	3.8
1963	3701	168	3869	4.7
1964	4231	197	4428	4.4

**Part C—Enrollment by Sex**

Fall	%		
	Men	Women	Total
1956	504	0	504
1957	798	0	798
1958	1209	0	1209
1959	1662	0	1662
1960	2214	0	2214
1961	2428	321	2749
1962	2804	610	3414
1963	3095	774	3869
1964	3420	1008	4428

**Table III-A. COMPONENTS OF FALL ENROLLMENT**

**First-Time Freshmen, Transfers, Returning and Continuing Students**  
**San Luis Obispo Campus, Fall 1962 — Fall 1964**

Enrollment Components	Fall—1962		Fall—1963		Fall—1964	
	No.	%	No.	%	No.	%
First-Time Freshmen -----	1305	22.5	1258	19.9	1496	21.6
Transfers -----	792	13.7	958	15.2	962	13.8
Contin. & Return. Studts.---	3704	63.8	4094	64.9	4446	64.4
Total Enrollment -----	5801	100.0	6310	100.0	6904	100.0

**Table III-B. COMPONENTS OF FALL ENROLLMENT**

**First-Time Freshmen, Transfers, Returning and Continuing Students**  
**Kellogg Campus, Fall 1962 — Fall 1964**

Enrollment Components	Fall—1962		Fall—1963		Fall—1964	
	No.	%	No.	%	No.	%
First-Time Freshmen -----	777	22.8	741	19.1	899	20.3
Transfers -----	659	19.3	661	17.1	718	16.2
Contin. & Return. Studts.---	1978	57.9	2467	63.8	2811	63.5
Total Enrollment -----	3414	100.0	3869	100.0	4428	100.0

**Table IV. SCHOLARSHIPS****San Luis Obispo and Kellogg Campuses — 1964-65**

Miscellaneous Awards (Not administered by College)			Awards Administered by College		
Amount	Number	Total	Amount	Number	Total
\$ 33.33	1	\$ 33.33	\$ 30.00	4	\$ 120.00
33.50	1	33.50	33.50	4	134.00
50.00	8	400.00	50.00	18	900.00
66.66	1	66.66	100.00	18	1,800.00
75.00	3	225.00	108.00	20	2,160.00
100.00	63	6,300.00	139.00	1	139.00
125.00	4	500.00	150.00	13	1,950.00
150.00	6	900.00	200.00	13	2,600.00
175.00	1	175.00	216.00	10	2,160.00
200.00	31	6,200.00	250.00	13	3,250.00
250.00	12	3,000.00	300.00	28	8,400.00
300.00	29	8,700.00	324.00	24	7,792.00
350.00	1	350.00	350.00	5	1,750.00
400.00	15	6,000.00	400.00	6	2,400.00
500.00	12	6,000.00	500.00	84	42,000.00
600.00	3	1,800.00	600.00	2	1,200.00
700.00	1	700.00			
750.00	1	750.00			
1,000.00	2	2,000.00			
TOTAL			<b>263</b>	\$ 78,755.00	
SCHOLARSHIP SUMMARY					
Cal Poly			263	\$ 78,755.00	
Misc.			183	44,133.49	
TOTAL			<b>446</b>	\$ 122,888.49	

*The type used to print the front cover of this publication and the similar lines on the title page is from "Ye Old Print Shop" maintained by the Printing Engineering and Management Department in the Graphic Arts Building. It is included in the printing collection of the late Charles L. Palmer, California newspaperman. The collection, named by its owner The Shakespeare Press, was willed to Cal Poly and is Ye Old Print Shop's great treasure. In addition to old printing machinery, including several presses, it has 170 type faces ranging from 1850 to the 1940's. The name of the College is set in Jewel Text and the name of the publication in Gold Rush.*

California State Polytechnic College Annual Report 1964-1965

