

DEPARTMENT OF EDUCATION—STATE BOARD OF EDUCATION

For Support of the State Board of Education from the General Fund

Item 90 of the Budget Bill and page 159 of the Budget. The amount requested is \$2,900 from the General Fund, an increase of \$600, or 26.1 percent over actual and estimated expenditures of \$2,300 for 1947-48. The entire increase is for travel.

Recommendation

The total amount requested is a modest cost relative to the work which should be done by the board. We recommend its approval in the amount of \$2,900 as proposed.

DEPARTMENT OF EDUCATION—DEPARTMENTAL ADMINISTRATION

For Support of Departmental Administration from the General Fund

Item 91 of the Budget Bill and pages 161 to 175 of the Budget. The amount requested is \$1,483,428 for support from the General Fund. This is an increase of \$279,584, or 18.8 percent, over actual and estimated expenditures of \$1,203,844 for 1947-48.

The proposed budget for departmental administration for the Department of Education provides an increase in services rendered to local school districts. This increase comprises additional consultant service in the Divisions and Bureaus of School Planning, Readjustment Education, Audio-Visual Education, Adult Education, Special Education, Vocational Education and Teachers' Credentials.

One field representative is requested for School Planning. The Bureau of Readjustment Education has requested an additional assistant chief and one readjustment education technician. The Division of Audio-Visual Education is proposing one additional educational consultant, although it did not spend the total amount of money budgeted last year. Instead some of this money was expended for unbudgeted exhibits at the State Fair. Not only is this bad budgetary practice but it reflects on the propriety of increasing the amount budgeted to this division in 1948-49. One position of consultant, adult education, is budgeted to provide more adequate supervision in the adult correspondence schools. One additional consultant is requested in the Budget of the Division of Special Education for the mentally retarded, as required by Chapter 1475, Statutes of 1947. One additional consultant is budgeted for Business Education and one consultant in industrial arts, in the Division of Vocational Education.

These budget requests raise the question of policy as to how far the State should go in rendering an increased degree of service to local school districts on top of the substantial increase in average daily attendance funds and additional types of services already rendered to schools. The tremendous expansion in total cost of education makes it imperative that a critical revaluation be made of all special services to local school districts.

Moreover, until a satisfactory audit is provided for State funds apportioned to local school districts, no further expansion in services should be made.

If the State of California in providing by far the greatest part of financial support given to schools is not to be afforded a complete audit of expenditures made from such apportionments, it should not contribute more in the way of expanded services to local school districts. The practice has grown up in the Department of Education of supplying local school districts with technical consultants in numerous fields, including special financial services to schools. This is an inefficient way in which to secure satisfactory accounting for apportionments of state money. The proper method is to require a thorough audit by an independent state agency and until this has been achieved, no further expansion in special services is justified.

The 1948-49 Budget request has eliminated any provision for administration of child care centers. Approximately \$50,000 was expended for this purpose in 1947-48. In addition Chapter 957, Statutes of 1947, provided \$5,500,000 for support of child care centers for the 1947-48 Fiscal Year.

During 1947-48 the number of child care centers declined in number and enrollment. At the same time, however, the share of costs borne by the State increased. As of October, 1947, there were 296 child care centers in operation in 21 counties as compared with 347 centers in 23 counties in October, 1946. Total enrollment was 13,318 in October, 1947, and 14,266 in October, 1946. During 1947 the State contributed 70 percent of the total cost of this program, while 30 percent has been paid for by parents' fees. During 1946 this ratio was approximately 50-50.

The Department of Education has not recommended favorably or unfavorably for continuation of this program. However, this matter will unquestionably be presented during the 1948 Budget Session for policy determination by the Legislature.

Recommendation

We recommend that Item 91 be reduced by \$207,107 plus operating and equipment expenses incidental to certain of the positions which it is proposed be eliminated. The following reductions are recommended.

1. Assistant chief, readjustment education -----	\$5,232
2. Readjustment education technician -----	4,740
3. Aviation education -----	185,295
4. Travel	
Education research -----	\$540
Administration services, child welfare and attendance -----	550
	1,090
5. Bulletin printing -----	10,750
	1,090
Total reduction -----	\$207,107

We recommend *elimination of the Assistant Chief, Readjustment Education and Readjustment Education Technician* because the *work of this agency should decline*. This is due to the fact that the principal function of this agency is to approve private schools, which increased rapidly after the war. The work of approving these schools has largely been completed, however, and as the peak of veteran enrollments will be reached in the current fiscal year, the workload should decline rapidly. Inadequate analysis of the number of schools which actually require supervision was supplied with this budget request. It is obvious that a great

many accredited schools, formerly approved, require no further supervision.

The 1949-50 Budget should show a substantial reduction in the staff of this agency. It should also be pointed out, in this connection, that there has been budgeted a \$3,100 increase in staff out of salary savings, which is in addition to proposed new positions.

We recommend that the Bureau of Aviation Education be reduced from the amount of \$207,378 as budgeted, to \$22,083, a reduction of \$185,295, representing the elimination of \$100,000 for flight indoctrination, and a reduction in the staff to a size which we consider to be reasonably necessary to carry out the function of supervising aviation education in the State of California.

This staff should consist of a consultant in aviation education, one field representative, and clerical and operating expenses for these positions. It includes provisions for one airplane and \$4,000 in travel expenses.

We further recommend that the Legislature should consider terminating the existing relationship which the Department of Finance is required to maintain with the Civil Air Patrol.

The recommended reduction would provide state supervision and consultation with respect to this activity, but would place costs of conducting flight indoctrination and other phases of the program upon the local school districts. In this way, if a school district determines that it desires to conduct this specialized type of education from funds apportioned to the local school district on the basis of average daily attendance, it could do so from its present funds plus the added state allotment made on the added average daily attendance in these classes. This is the general plan of State support for education in primary and secondary schools.

Bulletin printing was formerly budgeted principally under Departmental Administration in the amount of \$13,584 for 1947-48. This item is divided among a number of additional departmental divisions and bureaus in this Budget and increased to \$27,050. We recommend that the item of bulletin printing be reduced to \$16,300 which allows for the same amount of printing as budgeted in 1947-48, adjusted for increased printing costs.

DEPARTMENT OF EDUCATION—SCHOOL LUNCH PROGRAM

For Administration of the School Lunch Program, Department of Education, from the General Fund

Item 92 of the Budget Bill and page 173 of the Budget. The amount requested is \$129,847 from the General Fund, and is made contingent upon the appropriation of Federal funds for apportionment to school districts during the 1948-49 Fiscal Year in support of the School Lunch Program.

Recommendation

We recommend that the amount appropriated in Item 92 be made available only in the same ratio that the number of schools which participate on the basis of the amount of Federal funds appropriated during

1948-49 for the School Lunch Program bears to the number participating in 1947-48.

With this stipulation we recommend approval of Item 92 as budgeted.

DEPARTMENT OF EDUCATION—VOCATIONAL EDUCATION

For Support of Vocational Education from the General Fund

Item 93 of the Budget Bill and pages 176 and 177 of the Budget. The amount requested is \$295,394 from the General Fund. This is an increase of \$11,820 over actual and estimated expenditures for 1947-48.

The amount budgeted for appropriation comprises the State's share of matching funds required under the several laws providing for support of Vocational Education.

Recommendation

We recommend approval of Item 93 in the amount of \$295,394 as budgeted. The expenditures by the State for Vocational Education are made in cooperation with the Federal Government, and the amount requested is required for matching purposes. If federal funds are not provided in the amount on which this budget is formulated, this appropriation should be reduced accordingly.

Statistical Summary and Analysis

In addition to the amount included in the Budget Bill, \$357,191 comprises a fixed charge prescribed by Section 705 and 9061 of the Education Code to match federal grants under the Smith-Hughes Act. There is no change in this fixed charge from the prior year. Two hundred ninety-five thousand, three hundred ninety-four dollars is to meet the State's share of expenditures under the George-Dean and George Barden Acts. The amount budgeted is an increase of \$11,820 over actual and estimated expenditures of 1947-48. This represents one-half of the total annual cost for salary increases granted by the State Personnel Board April 1, 1947. The remaining one-half is borne by the Federal Government.

DEPARTMENT OF EDUCATION—RELATED INSTRUCTION, APPRENTICESHIP TRAINING PROGRAM

For Support of Related Instruction, Apprenticeship Training Program, from the General Fund

Item 94 of the Budget Bill and page 178 of the Budget. The amount requested is \$65,897, a decrease of \$30,932 under the amount of \$96,829 for 1947-48. The total amount required for preparation of these instructional materials increased from \$126,929 in 1947-48 to \$158,897. As an offset to this, however, the reimbursements from bulletin sales are estimated to increase \$62,900 or from \$30,100 to \$93,000. In other words, the proposed increase in cost will be more than met by an increase in reimbursements. This expanded request is paralleled by a substantial increase in the number of apprentices indentured in the Apprenticeship Training Program conducted by the Department of Industrial Relations.

This budget request provides for an increase in operating costs of almost 100 percent over 1947-48, the principal factor in which is printing which rises from \$27,530 to \$90,000.

There are no new positions requested. However, reimbursements for services to the University of California will increase by \$4,205 or from \$18,000 to \$22,205, while reimbursements for services rendered by the California Polytechnic College are budgeted to increase \$660 or from \$2,100 to \$2,760.

Recommendation

We recommend that Item 94 be approved in the amount requested. We suggest, however, that an attempt be made by the Department of Education to determine if any of the books printed could be sold to commercial book distributors, thereby reducing the unit cost of printing. It would appear that a number of these publications should have a wide market and that there would be a demand for certain of the technical books similar to the demand for teacher training materials prepared by the Department of Education.

DEPARTMENT OF EDUCATION—COMMISSION FOR VOCATIONAL EDUCATION, VOCATIONAL REHABILITATION

For Vocational Rehabilitation from the General Fund

Item 95 of the Budget Bill and pages 179 to 182 of the Budget. The amount requested is \$505,000 for Vocational Rehabilitation from the General Fund. This is an increase of \$260,000 over the amount of \$245,000 for the 1947-48 Fiscal Year. In addition to the amount requested for appropriation, \$1,724,909 is estimated to be received in the form of federal grants for Vocational Rehabilitation, making a total expenditure program for this function of \$2,434,909. This is an increase of \$768,899 or 46.2 percent over 1947-48.

The increase in the amount proposed to be expended during 1948-49 over 1947-48 is in excess of the increase in case load shown for the same period. This is demonstrated by the fact that the total of active and closed cases increased 36 percent compared with the first quarter of 1946-47. Likewise the total active file of cases increased 32 percent in the same period. For this reason even after making further allowance for increases in costs the proposed program will still permit an additional expansion in service rendered to applicants. Among other things treatment of the severely disabled will be given additional attention and an increase will be made in the number of local representatives serving applicants.

Recommendation

We recommend that Item 95 be approved in the amount of \$505,000 as requested. In view of the increase in population of the State, the expanded case load, and the existing waiting list of approximately 7,000 referred cases, the demand for this service is apparent. The cost of equipment, and hospitalization moreover, has increased substantially during 1947-48. Careful inquiry into the administration of this program indicates that applicants are carefully screened and proper controls exist to insure of reasonably equitable and economical expenditures. The Budget request therefore, appears to be reasonable.

DEPARTMENT OF EDUCATION—BUREAU OF VOCATIONAL REHABILITATION,
ADMINISTRATION OF VENDING STANDS FOR THE BLIND

For Additional Vocational Rehabilitation from the General Fund

Item 96 of the Budget Bill and page 179 of the Budget. The amount requested is \$25,000, an increase of \$990, or 4.1 percent over actual and estimated expenditures in 1947-48.

This program was created by Chapter 1457 of the laws of 1947 which appropriated \$25,000 for this purpose. The present proposal is a continuation of the original appropriation and is the first time it appears in a State Budget. Under this program there have been established in office buildings throughout the State approximately 56 stands which are operated by blind persons selected by three-man local committees consisting generally of one representative of the building in which the stand is to be located, one business man in the community, and one representative of the Bureau of Vocational Rehabilitation.

Title to equipment acquired is retained by the Bureau and a nominal return based on a percentage of gross sales is secured from the operator to cover partial maintenance costs.

Two vocational rehabilitation officers, one in the northern and one in the southern part of the State, manage the program and see that equipment is properly maintained.

Recommendation

We recommend approval of Item 96 for \$25,000 as proposed. This program appears to be a proper and effective part of the total vocational rehabilitation program and the administrative costs reasonable.

We note, however, that administrative expenses have increased 60 percent over last year and that the amount available for acquisition of business enterprise equipment is reduced by an almost corresponding sum. The administrative costs should not be permitted to assume too great a proportion of the total cost of this program. While minimum proper administration is essential, it is from the equipment that the greatest value to the blind person is secured. Whereas administration costs during the year 1947-48 were less by approximately 30 percent than the costs of vending stands and related equipment, administrative costs proposed for 1948-49 constitute almost twice the amount proposed to be spent for equipment.

DEPARTMENT OF EDUCATION—STATE LIBRARY

For Support of the State Library from the General Fund

Item 97 of the Budget Bill and pages 183-185 of the Budget. The amount requested is \$350,945 from the General Fund. This is an increase of \$29,559, or 9.2 percent over actual and estimated expenditures of \$321,386 for the 1947-48 Fiscal Year.

Recommendations

We recommend that Item 97 be approved for the amount of \$350,-945 as requested. The proposed increases in personnel appear justified on the basis of expanded circulation. Some of this increased activity in the California Room, however, is due to centennial activities. We therefore, suggest that a review be made next year to positions added to accommodate this temporary increase in circulation.

We also recommend that expenditures made in connection with the in-service training program of the State Personnel Board be separately accounted for in order that costs can be properly assessed against results secured.

DEPARTMENT OF EDUCATION—EDUCATIONAL AGENCY FOR SURPLUS PROPERTY

Item 98 of the Budget Bill and pages 86 to 88 of the Budget. The amount requested is \$26,816 from the General Fund. This is an increase of \$1,155 or 4.5 percent over actual and estimated expenditures from the General Fund appropriation for 1947-48 of \$25,661.

Recommendations

It is recommended that Item 98 in the amount of \$26,816 be approved as requested. Although the number of small items procured is increasing relative to larger and more expensive items resulting in an increased cost per item attributable for procuring the article, and the total value of surplus property transferred is growing smaller, the value rendered to the schools is still in excess of the cost of the agency. Careful screening of all requested items should be made by the agency in order that appropriate acquisitions should be secured. Excessive purchases and unnecessary acquisitions should not be permitted. Inasmuch as the agency has a fully mechanized accounting system, it is recommended the agency prepare a report showing purchases classified by category and amount in order to determine whether the equipment distributed to schools is in conformity with normal long range requirements and in order that the Legislature may determine more accurately the relative value of total acquisitions.

SUMMARY OF BUDGET REQUESTS OF STATE COLLEGES

There are eight state colleges which range in student enrollment from 5,450 students estimated for San Jose State College in 1948-49 to an estimated 400 for Sacramento State College. *In analyzing the per student cost, student-faculty ratios, clerical ratios and other bases of comparison between the colleges, consideration must be given to the fact that a college with a large enrollment is able to offer a full curriculum with a lower per student cost and a higher student-faculty ratio than a college with small enrollment.*

Table I shows the eight state colleges ranged by the size of student enrollment, with per student cost and student-faculty ratio for the 1948-49 Fiscal Year compared with 1947-48. This Table indicates that the size of the college has been taken into account in budgeting the

student-faculty ratio for each college. Sacramento State College, for example, with an enrollment in 1947-48 of 150 students required a student-faculty ratio of 10 to 1 in order to provide coverage for essential courses of study. San Jose State College, at the other end of the scale with respect to size of enrollment had a student-faculty ratio of 21 to 1. San Francisco State College, another of the large colleges, for unusual reasons had an even higher ratio, 23 to 1, although enrollments were substantially less than San Jose State College.

In the same way that schools with large enrollments and high student-faculty ratios can secure as good educational results as small schools with lower ratios, changes in the level of enrollments over a period of time should reflect a similar pattern. Student enrollments during the war period illustrate this point. The decline in enrollments associated with the diversion of students into the armed forces brought about a corresponding lowering of the student-faculty ratios in order that state colleges could as nearly as possible provide the customary offering of courses of study. The resumption of normal school enrollments, however, plus the unusual stimulus provided by the educational benefits of the Veterans' Bill of Rights has tended to bring the student-faculty ratio more in line with prewar ratios. Not only has it been possible to again offer the customary courses, but it has been possible to even increase the number and variety of subjects taught.

The lowering of student-faculty ratios as proposed in this budget therefore constitutes a more substantial increase in the degree of service offered to students than is apparent solely from the amount of reduction shown in the student-faculty ratio. While the student-faculty ratios budgeted for 1948-49 give recognition to the factor of differences in size of enrollment of the various state colleges, it does not do so with due consideration to the fact that increases in enrollment should tend to permit an increase in the ratio without lowering the standard of instruction given.

For this reason, and because of the fact that with salaries and wages constituting the major factor in the cost of support, slight variations in student-faculty ratios reflect substantial differences in costs, *we recommend that the following schedule of student-faculty ratios be substituted for those contained in the budget.*

State colleges	Student-faculty ratio			
	Enrollment 1948-49	1947-48	Budgeted	Our recom- mendation
San Jose -----	5,450	21-1	18-1	20-1
San Diego -----	4,100	20-1	20-1	20-1
San Francisco -----	3,100	23-1	18-1	19-1
Fresno -----	2,850	18-1	18-1	19-1
Chico -----	1,200	20-1	18-1	18-1
Los Angeles -----	800	13-1	15-1	15-1
Humboldt -----	750	15-1	17-1	17-1
Sacramento -----	400	10-1	14-1	14-1

The low ratios recommended for Los Angeles and Sacramento State Colleges are based on the fact that these are new schools and have small enrollments. As these colleges grow in size their student-faculty ratios should be altered to conform to those of colleges that are comparable in size.

DEPARTMENT OF EDUCATION—CHICO STATE COLLEGE

For Support of Chico State College from the General Fund

Item 99 of the Budget Bill and page 191 of the Budget. The amount requested is \$419,705 from the General Fund. In addition to this the college will receive revenues of \$31,705 in student fees and \$164,794 in receipts from the Federal government for education of veterans, making total expenditures of \$616,204. This is \$93,936 or 18 percent over actual and estimated expenditures of \$522,268 in 1947-48.

A principal factor causing this increase is the lowering in the Budget of the student-faculty ratio from 20 to 1 in 1947-48 to 18 to 1 for 1948-49. This is a restoration of the ratio which prevailed in 1946-47. *In restoring this ratio, however, recognition should be given to the fact that the 11.2 percent increase in enrollment from 884 in 1946-47 to an estimated 1200 in 1948-49 should permit a higher student-faculty ratio without impairing the standard of instruction given.* This is true because of necessity many courses of study can be taught as effectively, if not more effectively, in large lecture classes. The use of lecture classes is a proper and customary practice and will unquestionably be continued at all state colleges irrespective of how low the student-faculty ratio falls. The ratio proposed in this budget request will tend to increase offerings of small classes and specialized courses beyond what is economical or necessary for a state college.

A second factor contributing to the increase in cost budgeted for 1948-49 is the expansion of clerical assistance, operating expense and equipment based on the estimated increase in enrollment.

A third contributing factor is increased operating expenses and cost of equipment resulting from general price increases, as reflected in the Department of Finance price increase schedules.

In large part, the last two factors are uncontrollable, and to some extent are offset by an increase in student fees and Federal revenues.

Recommendations

We recommend that the student-faculty ratio for 1948-49 be raised from 18 to 1, as budgeted, to 19 to 1 and *that Item 99 be correspondingly reduced by the amount of salaries, operating expenses and equipment budgeted for the teacher positions which would be eliminated thereby.*

Inadequate details as to particular positions which would be eliminated makes it impossible to determine exactly the amount of saving. This, however, can be determined by the Department of Finance.

We repeat our recommendation made in 1947-48 that additional student assistants be used as groundsman in place of employing a full-time groundsman and flower gardener. *We recommend that \$900 be provided for this purpose and that the proposed new position of groundsman and flower gardener be eliminated, saving \$1,260.* This practice gives additional valuable assistance to poor students and is economical for the State.

**For Construction, Improvements, Repairs, and Equipment of Chico State College
from the General Fund**

Item 100 of the Budget Bill and page 195 of the Budget. The amount requested is \$11,240 from the General Fund. These items are as follows:

Repairs to electrical wires, Administration Building -----	\$7,410
Venetian blinds for Administration Building -----	2,000
Acoustical ceilings, classrooms -----	1,830
Total -----	\$11,240

Recommendation

We recommend approval of Item 100 as requested.

DEPARTMENT OF EDUCATION—FRESNO STATE COLLEGE

For Support of the Fresno State College from the General Fund

Item 101 of the Budget Bill and pages 196 to 202, inclusive, of the Budget. The amount requested is \$849,027 for support from the General Fund. This is an increase of \$181,824 or 27.3 percent over actual and estimated expenditures of \$667,203 for 1947-48. In addition to the amount requested in Item 101, Fresno State College will receive \$111,795 in student fees and \$280,700 in receipts from the Federal Government for education of veterans. The total expenditure program for support is, therefore, \$1,241,522, an increase of \$173,819 or 16.3 percent over actual and estimated expenditures of \$1,067,703 in 1947-48. Note the increase from the General Fund is 27.3 percent as compared with total of 16.3 percent. Principal factors contributing to the increase proposed for 1948-49 over 1947-48 are:

1. Expansion of the Department of Agriculture program at Fresno State College, representing an increase of \$80,615.
2. The strengthening of the administration staff to provide for increased enrollments.
3. An increase in operating expenses based on increased enrollments.
4. Higher prices paid for supplies and equipment, and the cost of salary adjustments granted by the Legislature.

Per student costs at Fresno State College are budgeted to reach \$412 for 1948-49 compared to \$391 in 1947-48, a \$21 increase.

Recommendation

We recommend that the student-faculty ratio for 1948-49 be raised from 18 to 1 as budgeted to 19 to 1, and that Item 101 be correspondingly reduced by the amount of salaries, operating expenses and equipment budgeted for the number of teaching positions which would be eliminated thereby. Adequate details as to particular positions which would be eliminated makes it impossible to determine exactly the amount of saving. This, however, can be determined by the Department of Finance.

In other respects we recommend that Item 101 be approved as requested. This will permit a strengthening of clerical personnel adequate to take care of increased enrollment and expansion of the new Department of Agriculture. The budget for 1948-49 provides for an increase in the ratio of students per clerical positions in administration of 8 percent.

With the expansion for the Department of Agriculture at Fresno State College to accommodate a student enrollment of 250, it is recommended that these agricultural operations be included in the itinerary of the Joint Legislative Committee on Agriculture and Livestock Problems. Heretofore agricultural construction has been centered in the University of California and the California Polytechnic College. The latter was a specialized institution, and until recently could not be considered comparable with state colleges. In view of recent developments, however, which have increased liberal arts offerings at California Polytechnic State College to include it within the state college classification and the establishment of the agricultural department in Fresno State College, the first such in one of the state colleges, we recommend that a comprehensive policy with respect to the need for additional agricultural education within the State of California, and the most appropriate location of such instruction be determined by the Legislature. With initiation and expansion of the Department of Agriculture at Fresno State College, it is inevitable that other state colleges will come in with requests for comparable facilities. It is of the utmost importance that this expansion in the educational offering made by the state college system be correlated with that offered by the University of California, and that it should be done according to plan rather than piecemeal or as determined by political pressure.

For Additional Support Fresno State College from the State College Fund

Item 102 of the Budget Bill and page 200 of the Budget. The amount requested is \$133,030 from the State College Fund.

This item represents the proposed expenditures of the Department of Agriculture, Fresno State College. This program was begun in 1947-48 and \$55,464 is estimated to be spent this year for support. This is the first instance of the establishment of a Department of Agriculture in one of the state colleges, with the exception of California State Polytechnic College, which was established largely to provide this type of specialized education.

Recommendations

We recommend, therefore, that a definite policy as to the scope and location of agricultural education in state institutions of higher learning be determined by the Legislature in order that the instruction of this type will be developed in the most effective manner and at the most practical locations.

We further recommend that a report on proposed operations at this college be made by the Agricultural Advisor of the Department of Finance and submitted to the Joint Legislative Committee on Agricultural Livestock Problems.

We recommend approval of Item 102 for the amount of \$133,030.

**For Construction, Improvements, Repairs and Equipment, Fresno State College
from the General Fund**

Item 103 of the Budget and pages 201 and 202 of the Budget. The amount requested is \$90,478 for construction, improvements, repairs and equipment from the General Fund. This is for the following items:

Remodel nursery and home management houses	\$2,080
Remodel facilities at Huntington Lake campus	3,249
Replace tents and canopies at Huntington Lake campus	3,450
Fireproof transformer vault in main building	750
Alterations to women's restroom	1,000
Install sand trap for water system	1,000
Purchase and installation of initial complement of equipment for laboratories	25,000
Replace drinking fountains in main building and McLane Hall and install 10 new units on campus	1,000
New clock control system and bell time control	500
Purchase and install equipment and remodel engineering labora- tory	52,449
Total	\$90,478

The items of expenditure budgeted appear to be essential and the amounts budgeted reasonable. We recommend approval of Item 103 for the amount of \$90,478 as requested, with the proviso that the Department of Finance review each item in light of the fact this school is to move and, any item that can be delayed or which cannot be moved to the new site be withheld.

**For Construction, Improvements, Repairs and Equipment of Fresno State College
from the State College Fund**

Item 104 of the Budget Bill and page 201 of the Budget. The amount requested is from the State College Fund. This is for the following items of capital outlay:

Erect boundary and division fences	\$3,460
Install concrete pipe irrigation system	6,232
Level farm land	4,820
Initial equipment for instruction	35,000
Construct central swine unit building	17,640
Construct central sheep unit building	14,000
Construct poultry unit building	18,400
Construct dairy products processing plant	16,280
Construct two lath houses	3,300
Erect one prefabricated glass house	1,600
Construct one farm machinery storage shed	12,000
Construct horse barn	8,000
Move two, two-story army barracks from Hammer Field to college property	3,400
Landscape grounds around new buildings	5,000
Planting of orchards and vineyards	2,329
Installation of pipe, sprinklers, and valves for 40 acres of irrigated pasture	2,000
Installation of deep-well pump and motor, 1,500-gallon per minute capacity	2,000
	\$155,461

Recommendations

We recommend that these requests be examined by the Joint Agricultural and Livestock Committee and be made subject to review by the Property Acquisition Board.

We recommend that all buildings for livestock be constructed in conformity with plans now being developed by the Division of Architecture to provide a standardized type of structure for all agricultural buildings at state institutions.

We recommend that Item 104 be approved in the amount requested.

DEPARTMENT OF EDUCATION—HUMBOLDT STATE COLLEGE

For Support of Humboldt State College from the General Fund

Item 105 of the Budget Bill and pages 203 to 206, inclusive, of the Budget. Amount requested is \$317,566 for support from the General Fund. In addition to the amount requested in Item 105, Humboldt State College will receive \$15,440 in student fees and \$105,200 in receipts from the Federal Government for education of veterans. The total expenditure program for support therefore is \$438,206. This is an increase of \$59,501 or 15.7 percent over actual and estimated expenditures of \$378,705 for 1947-48.

Enrollment at Humboldt State College is estimated to increase from 734 students in 1947-48 to 750 students in 1948-49. This is the smallest numerical increase in enrollment for any of the state colleges. *Costs per student are budgeted to increase from \$506 in 1947-48 to \$565 in 1948-49.* There has been no change budgeted for 1948-49 in the present 17 to 1 student-faculty ratio. The increase in per student costs therefore is attributable to increases in prices and increases in services for students. The latter includes proposed new positions of Graduate Nurse, part-time Physician, and Student Library Assistants.

Recommendations

(1) *We recommend that the Department of Education and the Department of Finance take proper steps to improve the present unsalutary condition in the administration and accounting procedures of this college.* Recent reports of the State Division of Audits have pointed out that the unsatisfactory condition at this college which has prevailed for some time is becoming worse. These reports cite inadequate control over financial transactions, almost complete disregard of state procedures, payment of claims without proper authorization, neglected records of property and equipment, lack of conformity to state policy in business matters and other glaring evidences of faulty and improper management.

(2) We recommend approval of the 17 to 1 student-faculty ratio at Humboldt State College on the basis that this ratio is necessary to provide a curriculum comparable to that of other state colleges which have larger student enrollments.

(3) *We recommend that Item 105 in the amount of \$317,566 be approved as requested.*

For Acquisition of Real Property, Humboldt State College

Item 106 of the Budget Bill and page 206 of the Budget. The amount requested is \$220,000 of which \$20,000 is for purchase of sites for post-war building program and \$200,000 for a site for playfields.

Recommendation

We recommend approval.

For Construction, Improvements, Repairs and Equipment, Humboldt State College, from the General Fund

Item 107 of the Budget Bill and Page 206 of the Budget. Amount requested is \$20,965 from the General Fund.

This request is for the following items:

Additional shelving and converting space for library use at college elementary school	\$800
Install sink and wall cabinets and provide ventilation at college elementary school	700
Purchase, install and equip home economics units.....	4,350
Install laboratory tables, student lockers and cabinets in science laboratories	800
Installation of curtains and drapes in eight classrooms and auditorium for darkening.....	1,200
Hair carpeting and hair padding, sound proofing in public address control room	615
Remodel quonset hut to serve as gymnasium.....	10,000
Painting prefabricated steel huts.....	1,000
Installation of protective screens on gymnasium windows.....	1,500

Totals, construction, improvements, repairs, and equipment \$20,965

Recommendation

We recommend approval of Item 107 as requested.

DEPARTMENT OF EDUCATION—LOS ANGELES STATE COLLEGE

For Support of Los Angeles State College from the General Fund

Item 108 of the Budget Bill and pages 208 and 209 of the Budget. The amount requested is \$356,688 from the General Fund. In addition the college will receive \$12,600 in student fees and \$46,248 in receipts from the Federal Government for education of veterans, making a total expenditure program of \$415,536.

Student enrollment was budgeted to increase from 400 in 1947-48 to 800 in 1948-49. *Because of the fact that this is a new school with a very small enrollment, Los Angeles State College was given a student-faculty ratio in 1947-48 of 13 to 1. With the estimated doubling in student enrollment in 1948-49, this ratio is budgeted to increase to 15 to 1.* This still constitutes an extremely low ratio but appears to be necessary in order to provide a curriculum comparable with that offered in other state colleges. As the enrollment in this college increases, however, subsequent adjustments in ratio should be made in conformity therewith.

Recommendation

We recommend that Item 108 be approved in the amount requested.

**For Construction, Improvements, and Repairs, Los Angeles State College,
from the General Fund**

Item 109 of the Budget Bill and page 210 of the Budget. The amount requested is \$65,000 for purchase of initial complement of equipment for classroom, library and laboratories.

Recommendation

We recommend approval of Item 109 in the amount requested.

DEPARTMENT OF EDUCATION—SACRAMENTO STATE COLLEGE

For Support of Sacramento State College from the General Fund

Item 110 of the Budget Bill and pages 211 to 213 of the Budget.

The amount requested is \$231,618 from the General Fund. In addition to the amount requested in Item 110 Sacramento State College will receive \$6,120 in student fees and \$33,790 in receipts from the Federal Government for education of veterans making a total expenditure program for support of \$271,528. This is an increase of \$175,216 or 181.9 percent over expenditures for support of \$96,312 in 1947-48.

The enrollment of this new school is budgeted to increase from 150 in 1947-48 to 400 in 1948-49. *Inasmuch as this is a new school and has a small enrollment the student-faculty ratio has been budgeted at 14 to 1. In 1947-48 this ratio was 10 to 1. While this ratio is necessary to provide a curriculum comparable with that offered by other state colleges having larger enrollments, it should be reviewed carefully each year on the basis of increasing enrollment in order that the ratio may be kept uniform with comparable state colleges.*

In conformity with the small size of enrollments Sacramento State College is budgeted to have the highest per student costs of any state colleges. In 1948-49 this is budgeted to increase to \$678. It is to be noted that despite the doubling of population over 1947-48 per student costs in this college continue to rise. This is due to the increased staffing of the several auxiliary services, such as the Registrar's Office, Business Office and the Personnel Office. It should be expected that with subsequent additions to college enrollments, this per student cost should decline rapidly.

Recommendation

We recommend approval of Item 110 in the amount of \$271,528 as requested.

**For Construction, Improvements and Equipment, Sacramento State College,
from the General Fund**

Item 111 of the Budget Bill and page 212 of the Budget. The amount requested is \$55,000 from the General Fund. This is for the purchase of an initial complement of equipment for offices, classrooms, library and laboratories at Sacramento State College.

Recommendation

We recommend approval of Item 111 in the amount requested.

DEPARTMENT OF EDUCATION—SAN DIEGO STATE COLLEGE

For Support of San Diego State College from the General Fund

Item 112 of the Budget Bill and pages 214 to 217, inclusive, of the Budget. The amount requested is \$1,053,000. In addition to the amount requested in Item 112, San Diego State College will receive \$106,610 in student fees and \$360,450 in receipts from the Federal Government for education of veterans making a total expenditure program for support of \$1,520,060.

Enrollment at San Diego State College is estimated to increase from 3,790 in 1947-48 to 4,100 in 1948-49, an increase of 8.2 percent. *Per student costs are budgeted to increase from \$330 in 1947-48 to \$350 in 1948-49, an increase of 6.1 percent. This will be the lowest per student costs of any of the state colleges.* In part, this is due to the fact that San Diego State College is the second largest state college, but *it is also due to the President's policy of economy in operation, and to the fact that the student-faculty ratio budgeted for 1948-49 is 20 to 1, which is the highest ratio of students per faculty member in the state college system.*

Recommendation

We recommend that Item 112 be approved in the amount of \$1,053,000.

For Construction, Improvements, Repairs and Equipment, San Diego State College, from the General Fund

Item 113 of the Budget Bill and pages 217 and 218 of the Budget. The amount requested is \$137,960 from the General Fund for construction, improvement and repairs. Requested items of capital outlay are as follows:

Additional stadium seats.....	\$24,000
Construction, first unit of permanent incinerator.....	12,000
Equipment for laboratories.....	65,000
Gas main	8,500
Panic bolts	1,200
Enclosed bleachers and install floor for storage.....	4,500
Electrical service outdoor theater.....	6,400
Control valves in main	1,000
Repair and enlarge ventilator system.....	3,500
Repair classrooms for motion pictures.....	2,000
Miscellaneous repairs	2,000
Conversion of classrooms to administrative offices.....	7,860
Total	\$137,960

In addition to the amount appropriated in this item, \$18,766 is budgeted for equipment for postwar construction from the Postwar Employment Reserve.

Recommendation

The amount of \$24,000 is requested to construct additional stadium seats. A similar amount was appropriated in 1947-48. The request at that time was made on the basis that this appropriation would enable the college to stage most events on the campus. Heretofore the college had made use of a large stadium some distance from the campus.

We recommended against this request in 1947-48 on the basis that excellent facilities were already available. Inasmuch as the previous requested change was granted by the Legislature, and that it was supposed to provide adequate facilities for minor athletic events on the campus, we recommend against approval of a similar amount for 1948-49.

DEPARTMENT OF EDUCATION—SAN FRANCISCO STATE COLLEGE

For Support of San Francisco State College from the General Fund

Item 114 of the Budget Bill and pages 219 to 222, inclusive, of the Budget. The amount requested is \$1,009,200 from the General Fund. In addition to the amount requested in Item 114, the college will receive \$114,000 in student fees and \$242,000 in receipts from the Federal Government for education of veterans. This is an increase of \$255,804, or 23.1 percent.

The estimated enrollment at San Francisco State College will be 3,100 students in 1948-49 compared with 2,969 in 1947-48, an increase of 4.4 percent. *Per student costs are budgeted to increase from \$350 in 1947-48 to \$417 in 1948-49. This is by far the largest percentage increase in per student costs proposed for any of the state colleges with the exception of Los Angeles, which is a new school.* A substantial part of this increase, however, is to bring the student-faculty ratio at San Francisco State College more nearly in line with other state colleges. In 1947-48 the student-faculty ratio at San Francisco was 23 to 1. It is budgeted at 18 to 1 for 1948-49. In addition to this factor, however, the college is proposing to establish or expand a number of special activities.

The amount of \$106,650 of the total increase is for salaries of 31 new teachers.

Recommendation

We recommend that the student-faculty ratio for 1948-49 be raised from 18 to 1, as budgeted, to 19 to 1, and that Item 114 be correspondingly reduced by the amount of salaries, operating expenses and equipment budgeted for the teacher positions which would be eliminated thereby. Inadequate details as to particular positions which we propose be eliminated makes it impossible to determine the amount of savings. This can be determined by the Department of Finance.

Our proposed 19 to 1 student-faculty ratio at San Francisco State College for 1948-49 will permit a substantial improvement over the ratio of 23 to 1 budgeted for 1947-48. At the same time it will put San Francisco State College in line with Fresno State College which is most nearly comparable on the basis of student enrollment.

We further recommend that a reorganization and improvement be made in the accounting procedure in college administration.

For Construction, Improvements, Repairs and Equipment, San Francisco State College

Item 115 of the Budget Bill and page 223 of the Budget. The amount requested is \$16,750 from the General Fund for the following items of construction:

Miscellaneous alterations to structures -----	\$5,250
Construction of addition to faculty dining room -----	1,000
Alterations in science department -----	500
Installation of street lights, new campus, from 19th Avenue to veterans' housing unit -----	2,000
Fence baseball field, new campus, outer boundaries -----	3,000
Paint exterior of 5 huts on Buchanan Street campus -----	5,000
Total -----	\$16,750

Recommendation

We recommend approval of Item 115 in the amount requested.

DEPARTMENT OF EDUCATION—SAN JOSE STATE COLLEGE

For Support of San Jose State College from the General Fund

Item 116 of the Budget Bill and pages 224 to 227, inclusive, of the Budget. The amount requested is \$1,434,344 from the General Fund. In addition to Item 116, the college will receive \$114,712 in student fees and \$515,563 in receipts from the Federal Government for education of veterans making a total expenditure for support of \$2,064,609, *an increase of \$344,417 or 20 percent over actual and estimated expenditures of \$1,720,192 in 1947-48.*

Enrollment at San Jose State College is estimated to increase from 4,907 in 1947-48 to 5,450 in 1948-49, or an increase of 11.1 percent. Despite the increase in enrollment which ordinarily should tend to lower per student costs, the latter has increased from \$335 in 1947-48 to \$364 in 1948-49, or 8.7 percent. *The reason for this increase is that the student-faculty ratio has been budgeted to decline from 21 to 1 in 1947-48 to 18 to 1 in 1948-49.* There are 56.2 new teacher positions requested in addition to student assistants, laboratory assistants, special lecturers, supervising teachers, and a senior librarian. *This college has consistently made a richer offering to students than other state colleges although we recommended in 1947-48 that this disparity should be corrected on the basis that the state colleges should offer an equivalent standard of education to students in attendance at all of the state colleges.* We repeat this recommendation and reemphasize the principal which underlies it. This is another reason why it is important that a definite policy and standard of instruction to be offered in state colleges should be determined by the Legislature. *This is a matter which should be considered in the survey of higher education being made at the present time.*

Recommendation

We recommend that the student-faculty ratio for 1948-49 be raised from 18 to 1 as budgeted to 20 to 1. This is an improvement over the 1947-48 ratio of 21 to 1 and in effect is lowered still further due to the fact that student enrollments are estimated to increase over 11 percent.

For Acquisition of Real Property, San Jose State College, from the General Fund

Item 117 of the Budget Bill and page 228 of the Budget. The amount requested is \$35,000 for purchase of a site for a greenhouse, lathhouse, and insectarium and purchase of the site and buildings of the San Jose Bible College to provide additional classroom space. The college maintains that it is necessary to have the greenhouse in order to supplement classroom instruction in botany and related subjects.

In addition to this amount \$20,000 is requested for construction of the greenhouse, lathhouse and insectarium, making a total of \$30,000 for this purpose.

Recommendation

We recommend that Item 117 be reduced to \$25,000 to eliminate the \$10,000 for the purchase of the site for a greenhouse.

For Construction, Improvements, Repairs and Equipment, San Jose State College, from the General Fund

Item 118 of the Budget Bill and page 228 of the Budget. The amount requested is \$80,375 for the following items:

Construct greenhouse, lathhouse, and insectarium -----	\$20,000
Install 4,500 seats in stadium -----	30,000
Addition to field house -----	6,000
Additional fencing at athletic field -----	5,000
Oil driveways and parking lot approaches -----	1,500
Renovate auditorium stage -----	3,000
Reconstruct incinerator -----	1,200
Replant quadrangle area and replace walks -----	4,000
Acoustic tile in ceilings of offices and classrooms -----	5,000
Darkening curtains for biology laboratories -----	1,200
Cases, lockers, cabinets and floor coverings, home economics and industrial arts departments -----	2,000
Steel book shelves in library -----	1,475

Total ----- \$80,375

Recommendation

We recommend that the Item in the amount of \$20,000 for the construction of a greenhouse, \$30,000 for the installation of seats at a cost of \$6.67 per seat in the stadium and \$5,000 for additional fencing at the athletic field be eliminated for this year.

We recommend that Item 118 be approved in the reduced amount of \$25,375.

DEPARTMENT OF EDUCATION—CALIFORNIA STATE POLYTECHNIC COLLEGE

For Support of the California State Polytechnic College from the Fair and Exposition Fund—Special Fund

Item 119 of the Budget Bill and pages 230 to 236 of the Budget. The amount requested is \$1,079,757 from the Fair and Exposition Fund. In addition to the amount requested for support from the Fair and Exposition Fund, there is \$400,250 which it is proposed that there will be appropriated from revenues received by the college in the form of student fees and Federal payments for education of veterans. This makes

a total support request of \$1,480,007, an increase of \$284,213, or 23.7 percent over actual and estimated expenditures in the 1947-48 Fiscal Year.

The principal increases are due to a lowering of the student-faculty ratio of 17-1, an increase in faculty and clerical assistance based on an estimated expansion in enrollment from 2,746 students to 3,100, an increase of 12.9 percent, and an increase in operating expenses generally in line with price increases.

Recommendations

It is recommended:

1. That all receipts from the operations of this school be considered as income and be subjected to appropriation rather than as abatements and that future budget bills include the full amount to be expended. This is in line with the practice in other state colleges.

2. That there be instituted a fuller reporting of the use to be made of funds appropriated for student assistants.

3. That the college prepare the regular six weeks' report which is made by other state colleges, for the purpose of providing more effective comparison between California State Polytechnic College and the other state colleges.

4. That the college should also prepare records showing classroom attendance in laboratory courses and regular classroom instruction in order that student-faculty ratios may be made more nearly comparable to other state colleges.

5. That the student-faculty ratio be continued at the present ratio of 17-1 at San Luis Obispo. The budgeted increase in enrollments will automatically provide lowering of ratios in the laboratory courses and provide an improvement in service. Sixty percent of instruction at the college is laboratory and this improvement should therefore be material.

Statistical Summary and Analysis

Proposed new positions include one part-time position of psychometrist costing \$3,060. This position is paid for out of reimbursements from the Veterans' Administration on the basis of \$20 to \$25 per student for the purpose of providing vocational guidance tests to veterans. This position also is being used to provide similar tests to other students who request guidance. *No commitment should, however, be given to continue this service on a permanent basis after the Veterans' Administration support is discontinued.* The college is already staffed with an assistant dean in charge of admissions, guidance and placements and the last Budget Act provided for a director of guidance and a placement secretary. Close integration should be made of the work of the advisory staff to determine vocational aptitudes both at the beginning and at the conclusion of the students' schooling.

Additional clerical help is provided to strengthen the business office and administration office. This assistance appears justified on the basis of increased attendance and workload.

This Budget provides for a student-faculty ratio of 15 to 1, an improvement over the current ratio of 17 to 1. The college has indicated that they desire an ultimate ratio of 12 to 1, largely on the basis that

the high proportion of laboratory instruction makes necessary a student-faculty ratio lower than that which is provided in other colleges. At the present time, however, the college does not make a reporting of attendance in laboratory classes and other classes such that a proper comparison can be made between California State Polytechnic College and the other state colleges. It is recommended that this report should be made. Moreover if faculty positions are increased at the 15-1 ratio to take care of the increase in proposed enrollment from 2,746 students in 1947-48 to a proposed 3,100 in 1948-49, this tends to fill up nonlaboratory classes without necessitating a proportionate increase in faculty, and thus correspondingly lowers the student-faculty ratio in laboratory classes. *We therefore, recommend that the current ratio of 17 to 1 be maintained and that additional positions of instructor be allowed only on the basis of increased enrollment. This will provide an automatic improvement in the student-faculty ratio in laboratory courses.* Until the college determines which positions it should retain on the basis of the high ratio, it is impossible to determine the amount of reduction which would be effected. *It is recommended that the Department of Finance calculate the savings and make adjustments accordingly.*

Additional positions of student assistants are budgeted for the school at San Luis Obispo. While we are in accord with the practice of making full use of student assistants, we recommend that a more detailed justification be made of the proposed allocation of budgeted amounts. This will also apply to the additional funds requested for this purpose for the Voorhis Unit.

For Construction, Improvements, Repairs and Equipment, California Polytechnic College, from the General Fund

Item 120 of the Budget Bill and pages 235 and 236 of the Budget. The amount requested is \$235,475 for construction, improvements, repairs and equipment as follows:

Miscellaneous farm improvements (San Luis Obispo) -----	\$8,300
Replace and extend farm fences -----	4,500
Grade, surface and oil roads (San Luis Obispo) -----	20,200
Purchase, erect, alter, and equip prefabricated buildings (San Luis Obispo) -----	500
Alter laboratories -----	3,000
Paint interior and exterior of structures -----	15,000
Miscellaneous alterations, repairs, painting (Voorhis) -----	10,150
Construct brooder houses -----	2,700
Miscellaneous campus improvements (San Luis Obispo) -----	2,525
Reconstruct grove at athletic field -----	600
Addition to athletic area (Voorhis) -----	4,000
Construct addition to poultry building -----	3,200
Construct dairy project unit at Garcia place -----	30,000
Landscape area west of administration building -----	2,700
Fence, grade, provide drainage and erect temporary buildings at corporation yard area -----	15,000
Install water line to new greenhouse (Voorhis) -----	2,000
Modernize and equip engineering shops -----	85,000
Equip new farm shop -----	1,500
Adapt and equip dairy manufacturing laboratory -----	20,000
Equip new classroom buildings (Voorhis) -----	2,100
Fire fighting equipment (Voorhis) -----	2,500
 Total -----	 \$235,475

Recommendation

We recommend that the dairy project unit be made to conform in design and construction with that which is being developed by the Division of Architecture to serve as a model for all state institutions.

We further recommend that agricultural operations at California Polytechnic College be included in a study which we have recommended be made to establish a long-range policy for the teaching of agricultural subjects in the state colleges.

We recommend approval of Item 120 in the amount of \$235,475 as requested, subject to the review of the Joint Committee on Agricultural and Livestock Problems, and to the stipulation that all items over \$5,000 be placed under the Public Works Board.

DRUG AND OIL PLANT PROJECT

Item 121 of the Budget Bill and page 237 of the Budget. The amount requested is \$123,048 from the Fair and Exposition Fund. The amount budgeted for the support of this activity last year was \$120,003 and salary increases added \$4,319 to this, making total authorized expenditures of \$124,322.

The Drug and Oil Plant Project was started as an extension service of the California Polytechnic College in 1941 without legislative approval or appropriation.

An appropriation of \$35,000 was subsequently made by the Legislature in 1943 for the cultivation of herbs for medicinal and perfume purposes.

The Budget Bill for 1945-47 appropriated \$35,000 to its support.

In 1946 a special appropriation of \$110,000 was made for the planting and cultivation of herbs and plants on a scale sufficient to permit the utilization of their resins, gums, and oils for medicinal and other purposes in quantities sufficient to determine the possibilities of commercial production in this State. The Drug and Oil Plant Project has engaged in various enterprises and projects since that time.

Recommendation

We recommend that Item 121 for support of the Drug and Oil Plant Project be eliminated. We recommend that the University of California undertake the research and demonstration work in drug plants, herbs, essential oil producing plants and condiments as part of the program authorized by Chapter 1572, Statutes of 1947.

Analysis

The project duplicates the work of the University of California, the Department of Agriculture, the U. S. Department of Commerce, the U. S. Department of Agriculture, and the work of private individuals and companies, with the exception of the promotional work done by the project in inducing farmers to grow certain plants, and the development of markets for those plants and produce.

The Agricultural Research Study Committee has recommended the following action, which will carry out the more desirable objectives of the Drug and Oil Plant Project. They have stated:

“California farmers should be supplied with information relative to the possibilities of new crops which can be grown economically in California. This information should cover not only produce and handling methods which have been tried experimentally, but should also include information with respect to produce and handling costs and market prospects.”

The committee has recommended that the Agricultural Experiment Station of the University of California be the recognized agency to plan, supervise, and administer the State's agricultural research program.

The act which appropriated \$1,500,000 to the University, Chapter 1572 of the Statutes of 1947, contains a section including new plants and herbs among the products which may be the subject of research under the appropriation.

Therefore, we recommend that an account of the actual results, good and bad, which have been achieved thus far be compiled into a reference work on the subject, the equipment of the project returned to the custody of the California Polytechnic College and the projects turned over to the University of California.

DEPARTMENT OF EDUCATION—CALIFORNIA MARITIME ACADEMY

For Support of the California Maritime Academy from the General Fund

Item 122 and pages 238 to 241 of the Budget. The amount requested is \$245,343 from the General Fund. This is an increase of \$25,379 or 8.6 percent increase over the amount of \$294,764 estimated for 1947-48.

The California Maritime Academy is a training school for officers of the Merchant Marine and U. S. Naval Reserve. Graduates of the Academy are commissioned as ensigns in the U. S. Naval Reserve or in the U. S. Maritime Service and are licensed as Third Mates or Third Assistant Engineers in the Merchant Marine. The Academy offers three-year courses leading to a B.S. Degree in navigation and seamanship or a B.S. Degree in marine electrical engineering. Approximately 60 percent of the curriculum is scholastic training and 40 percent is practical instruction, for which purpose the academy maintains a shore establishment at Carquinez Straits, Vallejo, as well as a training ship. Admittance to the academy is determined by competitive examination.

Statistical Summary and Analysis

Chapter 1386 of the Laws of 1947 increased the fees to be charged students at the Academy from \$225 to \$400 in line with our previous recommendation. Because the students were previously charged \$130 in addition to the required \$225 fee, the increase in fee to \$400 in effect constituted a net increase of \$45 per student. This factor, plus an increase in enrollment from 115 to 150 will increase estimated student fees from \$51,860 to \$74,800.

Although the increase budgeted for the California Maritime Academy is reasonable on a percentage basis giving consideration to

increases in general costs, we wish to emphasize that *per student cost of the academy remains extremely high relative to the cost of other state schools and the total amount requested is a large sum for the small number of students who benefit. The cost, however, is not out of line with costs of maritime academies in other parts of the country.* For example, Maine had a per student cost of \$2,067 for 130 students in the 1946-47 Fiscal Year. On the other hand the relatively high cost of this type of school caused Pennsylvania to discontinue its academy in 1947. Inquiry as to the reasons for this step brought the reply that it was felt to be a needless expense for the State to maintain the academy, as the Federal Maritime Academy at Kingsport, New York, was ample to take care of requirements for officers of the Merchant Marine and that a continuation of the Maritime Academy was simply a duplication of the work of the federal academy.

In view of the fact that it has been demonstrated that there are alternative and more economical ways in which to provide training of officers and men for the Merchant Marine, we again wish to point out that this is a high cost school which provides specialized training to a relatively small group of persons. California is a maritime State and therefore has a definite interest in such training. However, this is purely a matter of policy. *If it is the desire of the Legislature to continue this type of training, the budgeted costs appear to be reasonable.*

**DEPARTMENT OF EDUCATION—CALIFORNIA SCHOOL FOR THE BLIND,
BERKELEY**

For Support of the California School for the Blind from the General Fund

Item 123 and pages 243 to 245 of the Budget. The amount requested is \$257,850 from the General Fund, an increase of \$5,175 or 2.0 percent over the amount of \$252,675 estimated for 1947-48.

The estimated resident population for the School for the Blind during 1948-49 is 140 blind students and eight deaf-blind students—a total of 148 students capacity for the school. This is an increase of three students over 1947-48. The per student cost for blind students is budgeted at \$1,668 for 1948-49, a decrease of \$3 under unit costs of \$1,671 in 1947-48.

Per student costs of the deaf-blind students is budgeted at \$3,043 for 1948-49 compared to \$2,977 for 1947-48.

Recommendations

We recommend approval of the proposed amount of \$257,850. The previous budget provided the school with new positions adequate to service an approximate capacity resident population. The present request makes additional provision for the inception of the 40-hour week.

For Readers for Blind College Students, from the General Fund

Item 124 of the Budget Bill and page 242 of the Budget. The amount requested is \$15,000 for readers for blind college students, School for the Blind, from the General Fund. This is the same amount as budgeted for 1947-48. This is to provide for employment of readers for blind college

students who are not in attendance in the School for the Blind. This constitutes an added service by the school for the benefit of the students.

Recommendation

We recommend approval of Item 124 for \$15,000 as requested.

**For Construction, Improvements, Repairs and Equipment, California School
for the Blind at Berkeley**

Item 125 of the Budget Bill and page 245 of the Budget. The amount requested is \$7,250 from the General Fund for completion of a court and to construct a playground area for girls, including a retaining wall and cyclone fence.

Recommendation

We recommend approval of Item 125 as requested.

**DEPARTMENT OF EDUCATION—CALIFORNIA SCHOOL FOR THE DEAF,
BERKELEY**

For Support of the California School for the Deaf

Item 126 of the Budget Bill and pages 246 to 250 inclusive of the Budget. The amount requested is \$536,844 from the General Fund. This compares with actual and estimated expenditures of \$497,754 for the 1947-48 Fiscal Year, an increase of \$39,090 or 7.9 percent.

The California School for the Deaf is located in Berkeley. It offers elementary school education, speech training, and vocational training to a capacity resident population of 324 students. The average student population for the past two years has remained at 324 students, and the present budget is based on a similar population.

Recommendations

It is recommended that the school return in part to its former practice of using some students in the housekeeping activities of the school. Certain of these students could be used in connection with home management training. Elsewhere in the California State School System, additional teaching positions are being requested to provide such training. It is believed that a number of students could profitably be used to provide home management training to the individual students, some vocational training for those who desire, and at the same time the very high cost of the institution could be partially reduced.

We recommend that an arrangement be made with the California School for the Blind to supply that school with bakery goods from the bake shop operated by the School for the Deaf. At the present time, production in this vocational training shop is in excess of the needs of the School for the Deaf, while, at the same time, the School for the Blind purchases bread on the outside. Inasmuch as the two schools are located on adjacent property, advantage should be taken of this situation. This would require that an adjustment be made in the operating expenses of the School for the Deaf.

We recommend approval in the amount of \$536,844 as requested plus the amount determined by the Department of Finance to be necessary to carry out our recommendations that the School for the Deaf provide bakery goods for the School for the Blind.

For Expenses of Deaf Graduates Attending Gallaudet College

Item 127 of the Budget Bill and page 246 of the Budget. The amount requested is \$12,500 from the General Fund for travel and certain other incidental expenses of students attending Gallaudet College in Washington, D. C. at \$500 per year per student. This allowance was increased from \$300 last year by the Legislature. The student fees and incidental school expenses of this program are provided by the Federal Government.

We recommend that Item 127 be approved in the amount of \$12,500 as requested.

For Construction, School for the Deaf at Berkeley

Item 128 of the Budget Bill and page 246 of the Budget. Amount requested, \$16,000 for construction from the General Fund. The proposed items of capital outlay are as follows:

1. Soundproofing of additional rooms and halls.....	\$6,000
2. Replacement of locks, primary dormitories and primary gym....	3,000
3. Overhaul refrigeration system at storeroom.....	1,000
4. Overhaul and care of dishwasher in kitchen.....	6,000

Total capital outlay..... \$16,000

The amount providing for soundproofing of additional classrooms supplements \$4,500 appropriated last year for soundproofing 10 classrooms. Other items requested consist of necessary replacements.

Summary of Recommendations

We recommend approval of Item 128 in the amount of \$16,000 as requested.

DEPARTMENT OF EDUCATION—SCHOOL FOR CEREBRAL PALSID CHILDREN, NORTHERN CALIFORNIA

Item 129 of the Budget Bill and pages 251 to 254 inclusive, of the Budget. The amount requested is \$268,669 from the General Fund, an increase of \$34,724 or 14.8 percent over the amount of \$233,945 actual and estimated expenditures for the Fiscal Year 1947-48.

The Northern California School for Cerebral Palsied Children is located in temporary quarters at Redwood City. However, \$70,000 for a site for a permanent school was appropriated in the last Budget Act, in addition to \$65,811 for purchase of equipment for construction of buildings, improvement of grounds and equipment. These amounts for capital outlay constituted reappropriations from the balance remaining in Chapter 1519, Statutes of 1945.

In addition to the facilities at Redwood City the school has a medical arrangement with the University of California for diagnostic treatment for which a charge of \$75,796 is proposed for the Fiscal Year 1948-49.

Summary of Recommendation

Although this is a high cost institution, having a budgeted cost of \$3,857 per student, based on the average resident population of 50, the work which is being done toward the training and rehabilitation of these children is outstanding. Although this program represents only a small part of the total training which is given to these handicapped children through the public school system, it is hoped that the Department of Education will soon prepare a reasonable estimate of the extent to which this program assists in taking care of the annual increment to the total number of children suffering from cerebral palsy.

At the present time programs conducted by the State of California do not keep up with this annual increment.

The school appears to be well managed and amply financed for its present capacity of 50 resident students. To continue the policy of giving full support to this new activity we recommend that the proposed amount of \$268,669 be approved as requested.

DEPARTMENT OF EDUCATION—SCHOOL FOR CEREBRAL PALSIED CHILDREN, SOUTHERN CALIFORNIA

For Support of the School for Cerebral Palsied Children from the General Fund

Item 130 of the Budget Bill and pages 255 and 256 of the Budget. The amount requested is \$129,476 from the General Fund. This is an increase of \$21,520 or 19.9 percent over the amount of \$107,956 estimated to be spent in 1947-48.

The School for Cerebral Palsied Children, Southern California, operates under a temporary arrangement with the Childrens' Hospital in Los Angeles and the children are housed and cared for under a contract with the hospital. There is also maintained a diagnostic and treatment center by arrangement with the hospital. This temporary arrangement means that the school is a higher cost institution than the Northern California branch of the school.

The resident population is limited to 10 students, although it is proposed that there will be 16,800 visits of children for treatment at the diagnostic and training center. At present, the contract with the Childrens' Hospital provides a charge to the State of \$4.55 per visit. Although the Childrens' Hospital will not contract more than six months in advance on this charge, the Budget has been prepared on the basis of the present charge. It is possible that the charge may subsequently be revised.

Recommendation

It is recommended that the amount of \$129,476 be approved as requested. It is believed that the present arrangement, although high-cost, is probably cheaper than any attempt to establish a permanent institution at the present time.

DEPARTMENT OF EDUCATION—TRAINING CENTER FOR THE ADULT BLIND,
OAKLAND

For Support of Training Center for Adult Blind from General Fund

Item 131 of the Budget Bill and pages 257 to 260 of the Budget. The amount requested is \$244,811 for support from the General Fund. This is an increase of \$13,949 or 6.04 percent over actual and estimated expenditures of \$230,862 for 1947-48. The Training Center for the Adult Blind is both a resident home and a sheltered workshop for the blind. The per capita cost for resident inmates is budgeted at \$1,800 for 1948-49, a per capita increase of \$110, or 6.5 percent over per capita costs of \$1,690 for 1947-48.

These costs compare to per capita costs in San Diego of \$538 and Los Angeles, \$693, where day workers only are accommodated. In the last report of the Legislative Auditor, it was recommended that the residential aspects of the Training Center be discontinued as soon as possible without injury to present residents and that the entire operation be conducted as a sheltered workshop similar to San Diego and Los Angeles. We feel that a real saving could be made by discontinuing the resident feature of the home and granting blind pensions to those who are eligible to become residents. Many of the residents are unable to work and many more have no hope of ever becoming self-supporting.

One new position junior typist-clerk, is requested, in addition to the personnel required to put the employees of the institution on a 40-hour week which will be reflected in the actual and estimated figure of 1947-48.

Recommendation

We recommend that Item 131 be approved in the amount of \$244,811 as requested.

We further recommend that the residence feature of the Training Center be discontinued as soon as possible without working hardship on the present residents.

DEPARTMENT OF EDUCATION—INDUSTRIAL WORKSHOP FOR THE BLIND,
LOS ANGELES

For Support of the Industrial Workshop for the Blind from the General Fund

Item 132 of the Budget Bill and pages 261 and 262 of the Budget. The amount requested is \$57,012 for support from the General Fund, which is a decrease of \$84 from actual and estimated expenditures of \$57,096 for the 1947-48 Fiscal Year.

The 1948-49 Budget request proposes that expanded manufacturing operations shall be carried out on the basis of additional support appropriation provided from the General Fund. In addition, certain employees who were heretofore carried by the Manufacturing Fund will be transferred to the support budget. This proposal is made in the face of the fact that for some time it has been clear that there was a definite need to shift part of the manufacturing cost from the support budget to the Manufacturing Fund.

For years the Manufacturing Fund of this workshop has not carried its proper share of the manufacturing cost. This situation has made it difficult to determine the comparative efficiency of manufacturing operations and has constituted a subsidy out of line with that given to other workshops operated by the State.

Recommendation

We recommend that the positions engaged full-time in manufacturing operations be placed entirely upon the Manufacturing Fund and that a study of the present organization of the workshop be made in order that manufacturing costs shall be accurately reflected in the budget of the workshop. This will show whether any further expansion of operations is justified from the standpoint of economic return and will also afford a more satisfactory comparison between this workshop and the San Diego and Oakland workshops.

**DEPARTMENT OF EDUCATION—CALIFORNIA SCHOOL FOR THE BLIND
AT LOS ANGELES**

**For Construction, Improvements, Repairs and Equipment, Industrial Workshop
for the Blind, Los Angeles**

Item 133 of the Budget Bill and page 262 of the Budget. The amount requested is \$1,200 from the General Fund, for the purpose of connecting all of the machinery in the workshop to a new electrical installation now in progress.

Recommendation

We recommend approval of Item 133 for \$1,200 as requested.

STATE BLIND SHOP—SAN DIEGO

For Support of the State Blind Shop, San Diego, from the General Fund

Item 134 of the Budget Bill and page 263 of the Budget. The amount requested is \$30,682 for support from the General Fund. This is an increase of \$7,488 or 32.3 percent over actual and estimated expenditures of \$23,194 for 1947-48.

The State Blind Shop, San Diego, is in much better financial condition than the other two sheltered workshops for the blind operated by the State.

The volume of sales for 1948-49 is estimated at \$400,000 compared to actual and estimated sales for 1947-48 of \$450,000. Current surplus is \$131,000, and no augmentation of the Manufacturing Revolving Fund, which amounts to \$120,000, is being requested. The per capita costs are estimated to be \$538 based on an average inmate population of 58.

The State Blind shop carries some employees on the General Fund payroll when they are doing full-time work which would ordinarily be compensated for out of the Manufacturing Fund. All persons employed under Manufacturing Fund activities should be paid by the Manufacturing Fund and not paid from the General Fund support. This will give a truer picture of whether the manufacturing activities of the Blind Shop

are self-supporting and whether the blind persons employed are actually supporting themselves and to what extent they are being subsidized from General Fund money. The State subsidizes the activity to the extent of paying administration costs amounting to \$31,178 for 58 persons or \$538 per capita in 1948-49.

Recommendation

We recommend that Item 134 be approved in the amount of \$30,682 as requested.

We further recommend, however, that a study should be made to determine persons employed full time in manufacturing activities who should be compensated from the Manufacturing Revolving Fund rather than from the General Fund, and that transfers of employees should be made accordingly by the Department of Finance.

COMMISSION ON SCHOOL DISTRICTS

For Support of the Commission on School Districts from the General Fund

Item 135 of the Budget Bill and page 264 of the Budget. The amount requested, is \$236,792 from the General Fund. This compares with actual and estimated expenditures of \$160,406 in 1947-48, an increase of \$76,386, or 47.6 percent.

The Commission on School Districts was created by the 1945 Legislature for the purpose of formulating plans and initiating local elections to reorganize and consolidate school districts of the State, of which there are 2,600. The law creating this commission authorized a maximum of 10 regions. Up to the present time, however, the State Commission has operated on the basis of only five, with three regional survey directors, although additional temporary help of a consultatory and technical nature has been supplied.

The Budget for 1948-49 proposes to expand the number of regions to 10 and to add an assistant state survey director and four regional survey directors. The purpose of this is to carry on an intensive program to bring about elections throughout the entire State by October 1, 1949, the date on which the commission ceases to exist, and to meet the requirements of the amendment to Assembly Bill 767, passed in the 1947 Session, requiring that "No election shall be called in any district unless the Regional Survey Commission under the direction of the Regional Survey Director shall have held an open hearing thirty days prior to such election in each district proposed to be affected by unification or other reorganization." The major part of the increase proposed for 1948-49 is to apply to the Conference Committee Amendment as interpreted by the Commission on School Districts, which is to the effect that it is necessary to have adequate expert staff on hand at each of the open hearings, and that the open hearings should be in addition to the ordinary number of preliminary hearings conducted to organize local support and programing.

The majority of elections held by the commission are scheduled to be held between July 1 and December 31, 1948, and between July 1 and October 1, 1949. The commission estimates that there will be approximately 2,000 public meetings held during the Fiscal Year 1948-49.

Recommendation

We recommend that Item 135 be approved as requested. While this constitutes a very substantial increase, it will permit the commission to complete its program of covering the State with the required elections, and *should afford the State with a definite basis for establishing future policy with respect to consolidation of school districts. It should eliminate any basis for duplicating this study in the future in the event that the majority of school districts do not elect to carry out the plans recommended by the commission and the local committees.*

TEACHERS' RETIREMENT SYSTEM

For Support of Teachers' Retirement System, payable from the General Fund

Item 136 of the Budget Bill and Pages 265 to 268, inclusive, of the Budget.

The amount requested is \$114,975 from the General Fund for the 1947-48 Fiscal Year, a decrease of \$13,904, or 10.9 percent from actual and estimated expenditures of \$127,979 in the 1947-48 Fiscal Year.

These figures are exclusive of a \$12,000 capital outlay during the 1947-48 Fiscal Year for the installation of a balcony in the quarters in which the Teachers' Retirement System is housed.

The reduction in the amount requested for support for the 1948-49 Fiscal Year reflects the near completion of the transfer of active Teachers' Retirement System accounts from a manual basis to a punch card accounting system during the 1947-48 Fiscal Year involving the employment of temporary help and the use of an IBM Service Bureau. The amount of \$3,500 is shown in the Budget document for temporary help in the 1948-49 Fiscal Year as compared with \$8,120 in the 1947-48 Fiscal Year, a decrease of \$4,620 or 56.9 percent. IBM Service Bureau charges in the estimated and actual amount of \$23,500 for the 1947-48 Fiscal Year will not recur in 1948-49.

The decreased costs for the 1948-49 Fiscal Year as explained above will be partly offset by increased rental of tabulating machines for full-time operation of the new punch card system plus full-time employment of two units of tabulating personnel who were employed during only four months of the 1947-48 Fiscal Year. The full-time employment of a supervising tabulating machine operator and a keypunch operator, grade 1, are expected to cost the sum of \$4,780 in the 1948-49 Fiscal Year, an increase of \$3,216 over the combined cost of \$1,564 in salaries and wages for the two positions during the 1947-48 Fiscal Year.

Recommendation

We recommend that Item 136 of the Budget Bill be approved in the amount of \$114,075 as requested. The proposed expenditures are justified by increased workloads and increased cost of materials and services, together with the administrative factors involved in the final conversion of the active Teachers' Retirement System accounts from a manual basis to a punch card accounting system. The retired members' rolls are also to be changed from the manual methods to a punch card system during the 1948-49 Fiscal Year. The anticipated cost of this action is

reflected in the total amount of \$114,075 requested for support. We anticipate a material saving by installation of the punch card system of accounting in 1948-49 and subsequent years.

DEPARTMENT OF EDUCATION—UNIVERSITY OF CALIFORNIA

For Support of the University of California from the General Fund

Item 137 of the Budget Bill and pages 268 to 272 of the Budget. The amount requested for support from the State of California is \$23,701,220, *an increase of \$7,946,688 or 50.4 percent over 1947-48*. Total support budgeted for the University for 1948-49 from all sources is \$42,253,453, an increase of \$3,875,112 or 10.1 percent.

It can be seen from the above that the proportion of the support of the university which is borne by the State of California relative to income from the Federal Government and other sources will increase substantially for 1948-49. Whereas 52.8 percent of the university's income was provided by the state of California in 1947-48, it is proposed that 56.1 should be carried in 1948-49. It will also be noted that instead of there being a decrease in per student expenses, as ordinarily should be expected from the increase in enrollment, there is an increase in support per student of \$41 or 5.69 percent. *This increase is superimposed on a very liberal budget provided for the University by the 1947 Legislature*. Expenditures per student for 1948-49 were budgeted at \$763, compared with \$721 in 1947-48.

Recommendations

Some of the special items in the expenditure program of the University making up a part of the large increase and reasons therefor, follow:

Four hundred ten thousand dollars is requested for cancer research pursuant to Chapter 360 of the Laws of 1947 which provided an initial appropriation of \$250,000. Of the requested amount of \$410,000, \$250,000 is for a continuing program and \$160,000 is a nonrecurrent item for an animal colony to be used in making genetic studies on cancer.

The university is proposing to carry on cancer research on a long range basis in the belief that a continuous and intensive program is necessary to secure positive results.

Two hundred five thousand, one hundred eighty dollars is budgeted for the Institute of Transportation and Traffic Engineering established by Chapter 1573, Laws of 1947. The Division of Highways reports that it is still in need of junior engineers and expects to receive assistance in securing qualified men from this program. However, we recommend that when the State's demand for this type of engineer is met, the Legislature should review the law which requires the university to carry out this institute.

Four hundred thousand dollars is budgeted for marine fisheries at Scripps Institution of Oceanography for the purpose of conducting *research on the conservation of marine life of commercial value to the State*. This appropriation should be closely integrated with related programs of the Division of Fish and Game of the Department of Natural Resources and the tri-state commercial investigation of the problem of

the disappearance of sardines from the West Coast. In addition, the fishing industry is spending substantial sums for the same purpose. It should be determined whether the State of California should direct the University of California or some other agency to make this coordinated study and that the fullest cooperation and coordination should then be secured from all interested agencies. Provision should also be made for proper integration and publication of all research data secured.

Ninety-three thousand, six hundred sixty-six dollars is budgeted for an initial law school faculty and \$145,937 for an additional medical school faculty at the University of California at Los Angeles. The principal item of expense with respect to the medical school is \$92,160 for salaries. *Sixty-three thousand dollars of this consists of the salaries of six professors whose sole purpose during the course of the year will be to appoint a faculty and establish a medical library. We believe that this expenditure is excessive and unnecessary unless instruction is commenced, and that a committee of the staff of the University of California's Medical School and Medical Library could, in cooperation with the Dean of the new school, as well provide a plan of organization and make recommendations for medical library purchases. With the exception of the appointment of the Dean of the school, the rest of the money provided for academic salaries could be devoted with greater advantage to the purchase of additional books and other necessary equipment.*

Three hundred thousand dollars is requested for making the initial capital outlay to provide facilities at University of California, Los Angeles, for instruction and research in aeronautical design including tunnels, liquid air temperature, altitude and high-temperature chambers, jet engine and other equipment.

In addition to programs which have already received legislative approval, the university is proposing to spend \$1,707,793 for the support of new activities and provisions. Both the policy and the amount must be determined by the Legislature. The principal new items are listed as follows:

Employee and student safety unit.....	\$10,000
Wild life conservation and management.....	41,000
Statewide archeological survey.....	10,000
Extension of instruction in criminology, Berkeley.....	29,450
Bancroft Library Microfilm Field project, Berkeley.....	30,800
Instruction in journalism, Los Angeles.....	22,880
Instruction in physical therapy, San Francisco.....	8,886
Home management houses, Berkeley and Los Angeles.....	75,000

The proposed expenditure of \$41,000 for instruction in wild life conservation and management raises a question of policy as to whether this instruction is critically needed, whether existing courses are insufficient to meet the need, and whether such additional training should be provided by the University of California. We recommend that one location for this study be designated by the Legislature.

The proposed appropriation of \$22,880 to establish a Department of Journalism at Los Angeles is a reasonable amount if the program is approved by the Legislature. This program, however, can be expected to expand in subsequent years. This is a question of Legislative policy as to whether the instruction is desirable and will be effective in producing a higher level of journalism.

The requested appropriation of \$8,886 for physical therapy training will be approximately the amount required if the Legislature determines that this program, previously financed by donations from the National Foundation for Infantile Paralysis, should be continued as a State program.

The Bancroft Library Microfilm Field Project consists of micro-filming documents in foreign archives, principally in Latin America and Spain relating to early California history. This is a first step in a projected five-year program. Of the initial proposed appropriation of \$30,800, \$12,900 is for salaries, and \$7,600 for travel. Upon the suggestion of the Legislative Auditor that it would be good economy to increase the amount for film in order to secure the greatest possible results from the project, the amount budgeted for photographic film and supplies was increased to \$4,000.

The State-wide Archaeological Survey is a question of legislative policy, both as to the location of this activity and of the amount which should be expended. Inquiry made of the Los Angeles County Museum produced the following information as to the general status of previous archaeological studies made in California and California agencies concerned with this subject.

“Archaeologically speaking, the State of California, aside from a few well known areas, is virtually virgin territory.

“Since the 1870’s the coastal sites along the Santa Barbara Channel and the adjacent islands off shore have been the subject of considerable investigation by bona fide scientists and relic collecting pot hunters. In spite of this, however, there are many places in both Santa Barbara and Ventura Counties that have not been excavated and which still contain hidden evidences of the first inhabitants of California.

“From Ventura south along the coast are other sites which have been excavated or potted by commercial diggers. A few of these village locations have been worked by qualified men. However, the work conducted in the summer of 1947 by students from the University of California in Topango Canyon on an ancient site which had never been touched, is indicative of the fact that there may yet be a number of such places which should be investigated by qualified observers.

“Many of the actual coastal sites along the ocean front in Los Angeles County have been destroyed by road building or in the erection of buildings, but there are still places which can be found needing attention, particularly those spots inland along the estuaries near Newport and Balboa beaches.

“An achaeological survey of coastal sites in Orange County was conducted during the 1930’s under the supervision of WPA crews, but the work was far from finished when the program terminated.

“In San Diego County new sites are constantly being found, particularly those in the vicinity of La Jolla. The area around Oceanside and thence north to San Juan Capistrano is practically untouched.

“Inland from the coast are many valleys and stream beds which should be surveyed and the sites worked. Although many desert sites have been worked, there are others yet undiscovered ranging from the Imperial Valley northward along the Colorado River Basin to the Nevada and Arizona lines, and westward through the Mojave region to the eastern edges of the San Joaquin Valley.

“Certain portions of the west side of the lower San Joaquin Valley are unknown to archaeologists.

“On the east, ranging north of Santa Barbara, with the exception of a small area around Lompoc, no actual work has been done by reputable archaeologists except perhaps one or two sites near Avila. From Avila to Morro Bay, the huge sites are untouched save by occasional pot hunters who have not excavated in a systematic or scientific manner.

“The same observation holds true for the territory from Morro Bay to Monterey, and to a certain extent from that point north to San Francisco.”

To their knowledge, “the entire Salinas Valley region has had no attention from professional archaeologists although local collections of mortars and metates in the vicinity of the Pinnacles National Monument indicate the need for a more thorough study of that area.

“The University of California has excavated numerous shell mounds on the shores of San Francisco Bay and likewise along the Sacramento River and some of its tributaries in the upper end of the San Joaquin Valley, while the Southwest Museum has recently completed the excavation of a very important ancient site at Borax Lake in Lake County. More recently students from the University of California have been working sites on the McCloud River in northern California.

“In brief, although a few areas have been worked somewhat intensively, there are vast areas within the boundaries of the State which have never received adequate attention.”

Archaeological research in California is carried on at the present time by a number of institutions. It is reported, however, that these institutions generally speaking, lack adequate funds and trained personnel to carry out archaeological research to the extent which archaeologists regard as necessary to preserve adequate records of the prehistory of the State. The principal institutions which carry on archaeological research are as follows:

- San Diego Museum of Man
- Bowers Memorial Museum, Santa Ana
- San Bernardino County Historical Society
- Antelope Valley Indian Museum
- University of California
- University of Southern California
- Los Angeles County Museum
- Southwestern Anthropological Association
- Southwest Museum, Los Angeles
- Archaeological Survey Association, Los Angeles
- Kern County Historical Society
- Santa Barbara Museum of Natural History
- Sacramento Junior College, Department of Anthropology

There is \$10,000 requested for an employee and student safety unit at the university. We believe that further justification should be made for this expenditure and that it probably can be provided satisfactorily within the framework of the present school organization which provides university traffic control and property administration. Technical advice can be secured from the educational divisions of the Department of Industrial Relations which is fully equipped and staffed to perform this function. The organization of the unit itself should be drawn from existing non-academic personnel and from the cooperating student body. The program itself is desirable however, and should be organized.

For expansion of work in criminology at the university, \$29,450 is requested. This will supplement the existing program of instruction and research in criminology. At the present time this subject is also taught at San Jose State College with an enrollment of 77 students in 1947-48. In view of the specialized nature of this subject and the limited demand, we believe a policy should be established as to where such instruction should be located and that it should be adequately taught and financed at the location selected.

Summary Recommendation

We recommend that Item 137 be approved as requested, subject to the policy determinations to be made by the Legislature. We also recommend that \$48,000 be transferred from salaries and wages budgeted for the Medical School at Los Angeles, to equipment, to be expended for additional library materials.

For Construction, Improvements, Repairs and Equipment of the University of California from the General Fund

Item 138 of the Budget Bill and page 268 of the Budget. The amount requested is \$75,000 for construction, improvements, repairs, and equipment of the University of California from the General Fund.

This request is for the construction of home-management houses at Berkeley and Los Angeles. The lack of adequate teacher training in this field has been recognized for some time, and in the past, it has been necessary to secure teachers in these subjects from other states.

Recommendation

We recommend approval of Item 138 for the amount requested.

For Acquisition and Improvement of Real Property from the General Fund

Item 139 of the Budget Bill and page 272 of the Budget. The amount requested is \$542,000 for the purchase and development of approximately 25 acres adjoining the Mesa Campus, Santa Barbara. This is part of the plan to move the college from the present Riviera Campus of 13 acres to the new Mesa Campus which now comprises 54 acres. The price of \$417,000 for 25 acres compares with the original cost of a fraction of this amount for 54 acres of the Mesa Campus. Moreover, a good portion of the land proposed to be purchased constitutes terrain which is not useable for building sites. *Because of the excessive price, it is recommended that a study be made of the possibility of moving the Santa Barbara Campus to a location near Goleta, which offers a more satisfactory site at a much smaller cost.* Inasmuch as the full move has not been made to the Mesa Campus, it should be possible to effect this change in plans with a minimum of loss and with considerable advantage in terms of more economical future costs.

Recommendation

We recommend that Item 139 be approved as requested, but that the purchase of a site be deferred pending a study to be made by the Board of

Regents of the University of California and the Department of Finance, of the feasibility of transferring the Santa Barbara Campus to another site near Goleta.

DEPARTMENT OF EDUCATION—HASTINGS COLLEGE OF LAW

For Support of the Hastings College of Law from the General Fund

Item 140 of the Budget Bill and pages 275 and 276 of the Budget. The amount requested is \$7,000 for support from the General Fund. Total expenditures proposed for 1948-49 are \$122,400, an increase of \$16,747, or 15.8 percent over actual and estimated expenditures of \$105,653 in 1947-48. Revenues to the college are estimated at \$238,060, or an increase of \$24,982 over 1947-48. Per student costs are proposed to be increased from \$182 in 1947-48 to \$188 in 1948-49 based on an estimated enrollment of 650 students.

The amount budgeted includes only the annual appropriation of \$7,000 for interest which the State is required to make to the College under the provisions of Section 20152 of the Education Code. In addition to this appropriation, the school receives revenues in the form of student fees, Veterans' Administration receipts, and other income in the amount of \$231,060.

Recommendation

We recommend that Item 140 be granted in the amount of \$7,000 as budgeted.

DEPARTMENT OF EMPLOYMENT

For Support of Department of Employment Payable from the Department of Employment Contingent Fund

Item 141 of the Budget Bill and pages 278 to 292 of the Budget. Total amount requested, \$200 from Department of Employment Contingent Fund.

The amount of \$200 will provide funds for reimbursement to Department of Employment employees for out-of-state travel expenses, which is the difference allowed by the Federal Social Security Agency and the maximum allowed by the State Board of Control.

Recommendation

We recommend Item 141 be approved as submitted.

For Acquisition of Real Property and/or Construction, Improvements and Equipment, Department of Employment, Payable from the Department of Employment Contingent Fund

Item 142 of the Budget Bill and pages 278 to 292 of the Budget. The total amount requested is \$1,000,000.

At the present time this department needs new office space in Sacramento and new premises should also be secured in various other localities in the State. The department presently leases more than 100 office buildings for field operations, and the annual rentals paid for these premises