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ABSTRACT

The space adequacy survey-college is a procedure by which a junior college administrator may determine how many and what kinds of teaching spaces are needed for a specific enrollment in a given educational program. Included in this report is a presentation of the major characteristics of the space adequacy survey-college and a description of the procedures used in applying it at seventeen California public junior colleges. Also included is a summary of the findings, and normative data derived from the application of the survey at each school, together with observable trends. (FS)

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A PRELIMINARY REPORT ON THE APPLICATION OF THE
SPACE ADEQUACY SURVEY-COLLEGE AT SEVENTEEN
SELECTED CALIFORNIA JUNIOR COLLEGES

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California State Department of Education
Sacramento, California

The Field Service Center
School of Education, University of California
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Plant and Facilities Committee of the
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FOREWORD

It is a truism that a profession advances in step with its development and perfection of devices and procedures to solve its difficult and recurring problems. One of the difficult and recurring problems in the field of school administration is the precise matching of teaching spaces to a given educational program and enrollment.

The Space Adequacy Survey approach to this problem was devised some years ago by Dr. Charles Bursch and Charles D. Gibson of the California State Department of Education, Bureau of School Planning staff, for use in translating junior and senior high school programs into school plant needs. Several years ago the secondary school approach was re-examined in the light of applying it to the collegiate level. Dr. Charles Bursch and Mr. John Branigan of the Bureau staff began preliminary work toward adapting the space adequacy process to the junior college specifically. During the past few years the collegiate instrument was refined considerably by Bureau of School Planning members; however, Gene Portugal undertook a complete study and, through cooperation with junior college districts and the Bureau of School Planning staff, further developed and refined it.

The Portugal study preliminarily reported here attacks the space adequacy problem at the collegiate level. The resulting refinement of the original procedures and data forms constitutes a substantial improvement in this instrument as a working tool for educational administrators. With the constructive use of these forms and procedures as refined by Mr. Portugal, an administrator can plan ahead with confidence to supply needed instructional spaces and can justify thoroughly the facilities provided. The summary sheets for each school and the normative data tables can serve as a "library of information" for anyone interested in junior college planning procedures.

Dr. Charles W. Bursch

Charles D. Gibson

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The University of California, School of Education

The University of California, Field Service

The California-Junior College Association

The Building & Facilities Committee of the CJCA

INTRODUCTION

In the pages which follow these introductory remarks will be found:

- (1) The major characteristics of the "Space Adequacy Survey-College".
- (2) The procedures used in applying it at 17 California public Junior Colleges.
- (3) A summary of the findings and
- (4) Normative data derived from the application of the survey at each school, and observable trends.

The project was first suggested to the writer by Mr. Elwood Lehman, Field Representative for the Bureau of School Planning, California State Department of Education, Sacramento, California. Mr. Lehman indicated that Clyde E. Goudie, AIA, had given a modest grant to the University of California to finance a study of junior college building programs. Dr. Theodore Reller, Professor of Education at the University of California accepted the responsibility of guiding the writer in the conduct of the study. The Goudie grant was used to pay the expenses incurred in preparing this report.

The study, titled "Space Adequacy Determinations for Junior Colleges" is in the process of preparation as a doctoral dissertation at the University of California. It will cover a review of the literature, giving the formulae and procedures that have been used for determining how many rooms are needed to house a given educational program at the junior college level, a comparison of the results of these procedures with the results obtained by using the "Space Adequacy Survey-College", a detailed analysis of the instrument, a summary of opinions regarding the instrument, a review of the tests applied and recommendations for changes in the procedure, as well as

revised instructions for its use. It is expected that the study will be completed by 1962 and that abstracts will be available soon thereafter.

This report is but a small part of the entire study. Presented here are only the summaries of the results obtained from the application of the instrument and normative data which may be of interest to junior college administrators.

It is the sincere hope of the writer that the data herewith presented will be of some aid to those junior college districts planning to modify or expand existing facilities or to build a new plant.

CHAPTER I

SPACE ADEQUACY SURVEY-COLLEGE

A. What Is It?

Essentially the "Space Adequacy Survey-College" is a device or instrument by which a junior college administrator may determine how many teaching stations he will require for a specific enrollment for a given educational program. It was developed by the Bureau of School Planning of the California State Department of Education in 1958. Dr. Charles Bursch and Charles D. Gibson originally developed the instrument for high school use. The high school forms have been used successfully for the past ten years in the planning of secondary school buildings in California. The present form, adapted for use by junior colleges, is rather recent and until this study was begun, had been applied at only a few California junior colleges.

In response to the question, "What is the space adequacy survey-college?" Dr. Bursch replied, "It is a procedure for determining how many, and what kinds of teaching spaces are needed for an estimated number of students for a known educational program." In the introductory material which the Bureau of School Planning distributes with the forms for the Space Adequacy Survey-College, the following statements are made in regard to the Space Adequacy Survey.

Major Features

In Junior Colleges there has long been need to construct a firm bridge from any given instructional program to appropriate and adequate teaching spaces to implement such a program for any specified number of enrollees.

Space Adequacy Survey for Junior Colleges undertakes to fill that need.

In cases where there is a stabilized enrollment pattern but a crowded building situation, precisely how many of what kind of teaching spaces are needed to make the plant adequate?

In cases where enrollments are increasing, what precisely will be the requirement when the enrollment reaches 1000? 1500? 2000? or 3000?

In newly formed Junior College Districts, after an educational program has been adopted, precisely how many of what kind of teaching spaces will be required for each of several stages of enrollment growth?

In order to supply answers to these and other related questions, it is necessary:

1. To determine courses to be offered.
2. To determine the relative emphasis desired among courses offered. (When the emphasis upon each course is expressed as a percentage of the total program, a good check is provided against departmental imbalance.)
3. To determine a manageable unit for computing program emphasis and teaching space need, it is proposed that such a unit is one enrollee in a class for one teaching period. (Student hour per week.)
4. To determine an average or ideal class size for each course to be offered.
5. To determine which courses are to be taught in general type classrooms and which require special rooms or laboratories.
6. To determine the percentage of full utilization of rooms that will be considered a practical workable maximum in terms of making good class scheduling reasonably possible. (Data presented here use 80% for general classrooms and 70% for special classrooms and laboratories as maximum practical utilization.)
7. To determine the number of class periods available for scheduling classes during a normal college day.

To move in an orderly and objective manner from these determinations to the desired goal, the number of each kind of teaching facility required for a given enrollment requires a well worked out and detailed procedure. Such a procedure is provided in the Space Adequacy Forms available from the Bureau of School Planning, California State Department of Education, Sacramento, California.

B. How is it Used?

No attempt will be made in this brief presentation to give the detailed instructions for the use of the instrument. These instructions will be supplied with the forms when they are distributed by the Bureau of School Planning, State Department of Education, Sacramento, California. Generally the procedure is as follows:

Upon the request of any Public California Junior College, a field representative of the Bureau will call at the college with the necessary forms for starting the survey. In order to complete Form A (as found in the appendix) it is necessary for the administration to select the most recent semester which is to be studied in detail, and to analyze the present curriculum emphasis, class size, and other material. In order to complete Form A, the administration should be able to furnish the name of each of the instructors on its staff, the classes he teaches, the hours he teaches these classes and the number of students in each of these classes. These data are then entered on Form A in the appropriate spaces and the totals and necessary mathematical computations are completed. Sample forms will be found in the appendix.

For Form B, it is necessary to have the grand total of student hours per week as determined from Column 7 of Form A. This will include the number of students enrolled, times the numbers of hours they attend in any one complete week. Eliminated from this figure is the number of student hours which are derived from attendance at classes in physical education or similar activities which do not require the use

of any regular classroom. For example, the physical education classes out on the field, on the tennis courts, in the swimming pools, in gymnasiums, or in specialized exercise rooms, tumbling rooms, etc., etc., would not be included in this total. The reason being that uniformity is seldom found in this field and when such special rooms are needed, they are usually built in response to a local request. When the total number of student hours per week for each subject has been derived, it is then divided by the grand total of student hours per week to arrive at the percentage of curriculum emphasis as indicated on Column 4 on Form B. This figure indicates the total number of student hours which are generated by this particular subject in regard to the total curriculum of the junior college in question.

At this point the field representative of the Bureau will meet for a conference with the department heads or division heads, the deans of instruction and such other administrators of the college as it might be deemed advisable to have present, to determine what shifts in curriculum emphasis may be expected or desired in the future. For instance, if currently the number of student hours per week generated by English is 12.7% of the total student hours per week, and the college is planning to increase the English requirement for graduation from the college from 3 units (as it may currently stand) to 6 units for future use, then a large increase in the number of student hours in English may be expected for the future. For this situation, it may be determined that this percentage may rise to 16 or 17 percent of the total number of student hours per week. To arrive at the computed

student hours per week for Column 6 it is simply necessary to multiply the grand total of "student hours per week" by the percentage emphasis for the future. The 4 or 5% increase in English requires an off-set of similar magnitude in other subjects so that the total does not exceed 100%. This will complete Form B.

Form C is a comparison of the present and future curriculum emphasis for several schools selected by the administration. It is used to make a comparison with other schools having similar curriculum emphasis and to find out whether or not the particular school being studied varies greatly from other schools of the same size located in similar type of community.

Form D of the study is completed by supplying the data required at the top which indicates the predicted enrollment, the present enrollment and the predicted increase. For the purposes of the study at hand, it was determined that the word "enrollment" should refer only to students carrying 12 or more units and that these would be considered as full-time students. This figure was derived from the October report presented to the State Department of Education in October of 1959. It is recognized that this eliminates the thousands of students who attend in the evening and many part-time students who attend in the day time, but who carry fewer than 12 units. However, it should be recognized that at the present time there is no standard way of computing "enrollment" for the junior colleges of California, other than this figure. Even the use of the Average Daily Attendance figure would be misleading since many junior colleges carry some of their

ADA in adult classes which do not meet on their own campus, and would therefore not be included in calculations for a particular site. Until such time as a "full time equivalent student" is acceptably defined for all the junior colleges of California, we have no standardized figure to use except that used in the October report.

Since these figures are used only to determine the anticipated growth of the institution, the fact that we arrive at a working growth factor does not jeopardize the accuracy of the computations. If the administration will recognize that the future enrollment should also be considered in terms of students carrying 12 or more units, no mathematical inaccuracies will occur in the use of this procedure.

Another conference with the administration of each college is necessary to determine average class size. This conference may be held immediately following the one regarding curriculum emphasis so that another visit need not be scheduled. In determining class size, we are considering enrollment in each of the classes as it would usually occur on approximately October 1st or the third week after classes have started and most, if not all, the 'adds' and 'drops' in each class have been completed. In many junior colleges, some of the classes have limited enrollment, in which case this figure should be chosen as the average class size for this subject. If there is a laboratory section which has student stations of a specific number, then this would determine the 'class size' for this purpose. Using these data, the number of class groups meeting per week at this institution can be determined.

This is not a utilization study, nor is any attempt made here to recommend what utilization is desirable or recommended. The report of the Master Plan Study has given recommended figures for the colleges of California. For the purposes of this study, it was determined that we would use the hours between 8 a.m. and 5 p.m. from Monday through Friday and exclude any classes occurring after 5 p.m. or on Saturdays. It is recognized that this may be a serious omission, and that perhaps in future studies there should be recognition of the utilization of the plant by evening classes. As has been noted frequently in the literature, most of the utilization studies made in the past have not included this material in the study. The reason given is that usually the administration will schedule evening classes in the existing structures built to house the day time program. Seldom if ever, are rooms or buildings constructed specifically to house an evening or adult program. It is hoped that future studies will recognize this omission and make provisions for it.

The committee guiding this study agreed that we would use 80% availability of the 35 hour week, or 28 hours for lecture, discussion, and similar classes and 70% of the 35 hour week, or $24\frac{1}{2}$ hours for laboratory-classroom availability. These figures are in excess of the recommendation of the Master Plan Survey team, but are not unattainable. At present there are several junior colleges which exceed this utilization and many which match it in many subject areas.

By a simple arithmetical process we arrive at the computed teaching space needs as indicated in Column 7 of Form D. At this point

another conference must be called with (usually) the Chief Administrator, the Dean of Instruction, the Business Manager, and other administrators responsible for the planning of classroom needs for the future. Since most of the teaching spaces computed will be in the nature of decimal figures, these must be rounded off to whole numbers. It would be illogical or impossible to build fractional rooms. Frequently several of the courses such as English, Mathematics and Foreign languages, may use rooms interchangeably, provided the classes do not vary too much in size. In which case, the total of the figures for these subjects in Column 7 can be combined to arrive at the teaching space needs as shown in Column 8.

If the college is planning a new campus, no further computations need be made. If however, it plans to add to its present campus, then we must know the number of adequate teaching spaces available. For the purpose of this study, unsafe buildings, temporary buildings, portable buildings, or "Army surplus" buildings, quonset huts, and buildings of a similar nature were not determined to be adequate. Subtracting the number of teaching spaces available presently, from the teaching space needs determined by conference, we arrive at the additional number of teaching spaces which it will be necessary to build in the future.

C. Some Precautions To Be Observed

For the public junior colleges of California, the task of preparing these forms is relatively simple, since they will have the help and guidance of the Field Representatives of the Bureau of School Planning. For administrators of other junior colleges, there are some precautions which should be observed in order to arrive at the correct figures on the final form. On Form A, where we enter the instructor's name, the classes he teaches and the number of students enrolled in each class, it is extremely important that each sheet contain not more than one of the subjects listed in Forms B and D. As we will be entering the total number of student hours for each subject on these latter forms it could become a rather difficult task to separate the courses later. For example, should Mr. Jones teach some courses in mathematics and a few in physics, the physics classes must be entered on the sheet labeled "physics", otherwise confusion will result later.

If the local junior college administrator is already familiar with the class size in each of the subjects being taught at his institution, and does not desire to make any comparative studies beyond what he already has on hand, then Columns 5 and 6 of Form A may be omitted, since these simply yield the total enrollment divided by the number of classes to determine the average class size in existence for this particular semester being studied. The completion of these columns is not required to determine the necessary data for the following forms.

In regard to Form B of the Space Adequacy Survey, another precaution to be observed is the substitution of the words "student hours per week"

for the word "enrollment" at the top of Column 2 of the old Form B. Some of the older forms use the word 'enrollment'. Should enrollment figures be used rather than student hours per week, then a second calculation would be necessary.

Perhaps the most important caution to be observed occurs in computing the curriculum emphasis for the future. One must understand that if the enrollment of a school is expected to double, and that therefore the number of students in any one particular subject would also be doubled, then the curriculum emphasis indicated by the percentage figure in this column will be identical to the original figure. It must be remembered that the curriculum emphasis for the future is based on the opinions of the department heads or division heads, the deans of instruction and the others at the institution who should be able to estimate, with some degree of accuracy, what the curriculum emphasis of the college will be in the future.

Perhaps it may be planned to add some new courses in areas which are not currently being taught. Perhaps some of the areas, in which enrollment has been constantly dropping, will continue to drop. Perhaps new industries moving into the area will require the college to add new courses to help train students for employment in this industry. Perhaps the requirements of the transfer institutions are expected to change and new courses will have to be added to meet these changes. Many factors are involved. We must recognize at this point that the instrument is a mathematical procedure, but that human judgment now becomes a factor in the answers received. This need not be a detriment or a weakness; it may in fact, be one of the strengths in

this instrument that a degree of flexibility to meet future needs becomes an inherent part of the instrument.

In making comparisons between schools, it is well to observe that schools which have a vocational orientation will necessarily show greater curriculum percentages in these fields, while those schools which are primarily transfer institutions, will show higher percentages in the academic fields.

The most significant figure in attempting to compare schools in regard to size or capacity is that called the "grand total of student hours per week." This is the number of students attending classes between the hours of 8 a.m. and 5 p.m. multiplied by the total number of hours they attend in any full week. This figure is, in the writer's opinion, a more significant figure than any other in attempting to compare the size of the institution with that of any other.

Another note of caution to be observed when looking at the figures for the number of rooms required to house a given program, is that in the final analysis, the number of rooms required, is what the administrators of these colleges feel is necessary. For instance, if we find that the numbers of rooms needed for certain subjects, as computed by the instrument, is determined as tenths or hundredths of single units, then these must be rounded off to whole numbers. Frequently (as had been indicated previously,) these can be combined into whole numbers. But occasionally a situation such as the following may occur, and in fact did occur. The number of Art Laboratories computed for one small college was .8 of one room. This particular college is in a community

which feels that the teaching of Art in its college is to be encouraged. It has a very strong Art department with two instructors. College authorities decided that they wanted one room for ceramics and sculpture, one room for pottery, mosaics and other crafts and one room for painting and drawing. The instrument therefore, will show a total of three art laboratories for this particular school, when actually the mathematical formula indicated that one room would house the whole program if we were to seek the utilization figures desired. Obviously, two of these three rooms will remain empty and unused for many hours during the week.

The other extreme of planning, that of building fewer rooms than the instrument indicated, occurred rarely. In the two situations where this did occur, the colleges were operating on very stringent budgets. The administration would attempt to schedule most rooms solidly from 8 until 5, (even including the noon hour). In some cases the normally 'open' periods on Tuesdays and Thursdays would be filled in by the use of hour and a half sessions on these two days to achieve the three hours per week necessary for three unit courses.

Many excellent and rather standardized procedures currently exist to help a junior college estimate its future full time enrollment. Surveys of the high schools in the area that normally 'feed' a particular junior college will reveal a percentage of the graduates that usually enroll at this college. Local administrators frequently will use data from the local department of health. Given the number of births each year they can calculate how many 18 year old persons may be expected to be available for enrollment in any given future year.

By taking the percentage of eighteen year olds that normally attend the school, a rough estimate may be made. Surveys of this nature and more extensive ones, including other factors, are frequently made for the junior colleges by the Superintendent of Schools Office for that particular county. An authoritative source for similar information is available from Dr. Carl Frisen, Demographer for the California State Department of Finance. Figures from the Chamber of Commerce, from public utilities and other sources will reflect the anticipated growth or decline of the area usually served by the junior college. There are many factors that influence the final estimate. The administrators usually have to consider whether or not the area is growing from immigration into the area, and whether or not industry is expanding. They must consider any plans for new and adjacent schools in the area, and the presence or absence of State Colleges, or branches of the University which may be built.

The figures shown here for the 1970 anticipated enrollment, are the enrollment figures as anticipated for the number of students carrying 12 or more units. Where these differ from the figures originally used, (which in some cases were ADA) they were adjusted to provide the same proportionate increase as other figures that may have been used, using the October 1959 enrollment report as the basis upon which to calculate the forecast enrollment for 1970. For a more complete understanding of the data presented in Chapter III of this paper, it would be well to look at the definition of terms in Section B-2 of Chapter II.

CHAPTER II

APPLICATION OF THE INSTRUMENT AT 17 SELECTED JUNIOR COLLEGES

A. Selection of the Colleges

The 17 schools selected for this study were chosen to represent examples of the urban, the rural, the academically oriented, the vocationally oriented, the large, the small, the old, the new; and as far as is possible, to attempt to achieve a representative sampling of the 63 public junior colleges in the State of California in 1959.

The committee which selected these schools was composed of Mr. Charles Gibson, Chief of the Bureau of School Planning, State Department of Education, the late Dr. Hugh Price, Chief of the Bureau of Junior College Education, State Department of Education, and the writer.

B. The Method of Application

1. Definition of Terms

ENROLLMENT: Total number of students carrying 12 or more units at each California junior college as reported to the State Department of Education on the "October (Statistical) report."

ADA: Average Daily Attendance. Legally defined in section 11451 California Educational Code 1959 edition. Generally computed for junior colleges by multiplying total number of students by total number of hours attended per year and dividing by 525.

STUDENT/HOURS/WEEK: Student hours per week. Calculated by multiplying the total number of students in each class by the number of hours each class meets in any full week.

GRAND TOTAL-STUDENT/HOURS/WEEK: The total of all student/hours/week. For the purpose of this study only those classes using classrooms are included. P.E. classes using gymnasiums, playing field, exercise rooms, special equipment rooms are excluded.

SHOP: A Specialized classroom with considerable machinery, tools, test equipment, etc. for use by vocational or trade and industrial classes.

CLASS: An academic unit of one or more students formally organized for instruction in a specific course under the supervision of an instructor.

CLASS MEETING: A regularly scheduled meeting of one or more students assembled for instruction.

CLASS SIZE OR SIZE OF CLASS: The number of students enrolled in a class. Normally the number appearing on the instructor's official class list as of the standard census date is considered the "size of the class." For this study, the enrollment as of the first week of October 1959 was used. Where the class had limited enrollment, or where a laboratory section was limited by the number of student stations available, this was the figure used for class size.

PERIOD: As used in space utilization studies, a period is a unit of time approximating one hour. Generally in institutions of higher education a class period consists of 50 minutes of instruction, with an allowance of 10 minutes for changing classes. A class meeting scheduled for two consecutive hours, possibly a total of 110 minutes, should be considered as two class periods in a space utilization study. A class meeting scheduled for an hour and a half, which in most colleges would amount to 75 or 80 minutes of actual instruction, should be processed as 1.5 class periods.

STATION: The total facilities necessary to accommodate one person at a given time. A student station is a chair, or a seat, or a laboratory desk, or some other facility necessary to accommodate one student during an instructional period.

TEACHING STATION: One room, (lecture, discussion, activity or laboratory) having one teacher conducting one class.

INSTRUCTIONAL SPACE: Any room scheduled for class meetings.

A room regularly used for or available for class meetings should be classified as "instructional space" regardless of the designation of the building in which it is located. On many campuses, instructional rooms are found in the "administration building", or the "library building," or the "field house," or the "student union building."

Following are descriptions of the major kinds of instructional space found in institutions of higher education:

(a) A GENERAL CLASSROOM is an instructional room used chiefly for lectures, recitation, and seminar type of class meetings. Other common terms for this are "non-specialized instructional space" and "lecture room."

(b) LABORATORY is an instructional room equipped for a special purpose such as chemistry experiments, food preparation and service in home economics.

(c) A SHOP is an instructional room fitted out with specialized machines, tools, and technically equipped usually used in vocational, trade and industrial or technical instruction.*

2. Standards Used in the Study

The standards agreed upon for this study were determined by several committee meetings. The committees involved were the Junior College Building and Facilities Committee of the California Junior College Association, Junior College Building Advisory Committee assembled at the University of California and the Committee composed of members of the Bureau of School Planning of the State Department of Education at Sacramento, California.

a. Schools Selected

Only those California Junior Colleges which were public, tax supported institutions were used in the study. Included were independent districts, junior colleges that were part of secondary districts and junior colleges which were part of unified districts. No schools which share their facilities with a high school program were included for the obvious reason that it would be difficult to

* The definition for "class size," "period," "station" and "instructional space" are condensed and freely adapted from Russell & Doi Manual for Studies of Space Utilization in Colleges and Universities, American Association of College Registrars and Admission Offices, Ohio U. Athens, Ohio, 1957.

make any statistically accurate survey of a plant which was shared by another institution.

b. Enrollment

For enrollment figures we used the figures given for the number of students carrying 12 or more units in the fall semester of 1959 as recorded by the institution on its 'October report' of 1959. ADA, the average daily attendance for each institution, was derived from the official publication of the State Department of Education distributed in 1960.

c. Student Hours Per Week

The "grand total student hours per week" was the sum of all the hours produced in any one full week between the hours of 8 a.m. and 5 p.m. for each institution, derived by multiplying the number of students in attendance by the number of hours attended during the hours indicated. Eliminated from this grand total are student hours generated in physical education classes which meet on playing fields and gymnasiums, or in special exercise rooms set aside for special purposes such as judo, trampoline, etc. Physical education classes in Coaching or in Theory of individual sports were included.

d. Utilization

It was determined by conference that we would use 80% of a 35 hour week as saturated utilization for all lecture, discussion, seminar and similar type classes. This would yield a figure of 28 hours of availability for these classes and to use 70% of a 35 hour week for laboratory and shop classes yielding an availability of $24\frac{1}{2}$

hours for these latter classes.

e. Class Size

Class size was determined by using the enrollments which occur on or about the third week of the fall semester of 1959. If the college had a policy of limited enrollment in certain classes, this was selected as the class size. Whenever the college determined that they would prefer to change to the larger type lecture situation in certain classes, the larger figure was used in computing the room needs for the future.

f. Forms Used

The standard forms developed in 1958 by the Bureau of School Planning for the "Space Adequacy Survey-College" were used on the first three schools studied. A minor change was made in Forms B and D in order to include the greater variety of classes being offered at the larger junior colleges. This made for a more accurate presentation of the curriculum emphasis and room needs for these institutions. It did not affect the results in any way. No major changes were made in the forms during the application of the instrument of the 17 schools studied.

g. Future Curriculum Emphasis and Room Needs

It was determined that we would use the year 1970 in considering future curriculum emphasis and future room needs based on the institutions own determination of what its "enrollment" might be in the year 1970.

h. Classes and Hours Omitted

Any hours for any class which were DHR (or hours by arrangement) in which the students attended on their own time, and without an instructor in charge, were not included in the study. An example of this might be the extra hours put in by mechanical drawing students. Also, excluded were such hours as might be put in as 'work experience' classes in down town stores, or nursing classes conducted at the hospitals and aviation flight time at the airport. Only those classes which met on campus, under the supervision of an instructor, in courses related to fields as indicated in the previous sentence were included.

3. Data Collection

Because of the large number of people involved in the collection of the data for the study, there were several minor variations in the procedure. This however, has no serious effect on the validity of the statistics collected. Although the procedures may have differed in the original application, the data were rearranged to fit the standard procedure and no changes in totals or results occurred.

On occasion it was found that the classification of certain courses by the various people involved differed from the classification of the same course at another institution. For this reason, conferences with the Field Representatives were held periodically to standardize the classification of courses which might have no traditional classification. An example of this would be a course such as Law Enforcement. One field representative classified this class as a political science. It was determined that it should appear

with the vocational, T and I classes.

After the masses of data for each institution were collected and assembled, conferences were held to determine if there were to be any shifts in curriculum emphasis and what the college felt was desirable as optimum class size.

At all of these conferences, the writer was directly involved and met with the members of the administrative staffs of the colleges and with the field representatives of the Bureau of School Planning who were present.

The staff of the Bureau of School Planning, assisted in most cases by the writer, then computed the mathematical figures for the student hours per week in each subject as required for the completion of Form D. After the number of rooms required for each course had been determined, another conference was held with the Administrative Staffs of each of the colleges at which time the writer and the members of the Bureau of School Planning determined by conference what adjustments should be made in these figures.

Radically condensed summaries of the findings at each institution will be found in Chapter III.

After the data collection had been accomplished, all mathematical computations completed, and all conferences held, the writer then held interviews with the administrative staff personnel who were directly involved in the completion of the study at each institution. The results of these interviews will be published in the dissertation currently being prepared at the University of California at Berkeley.

CHAPTER III

INTRODUCTION

On the following pages will be found the summary sheet for each of the seventeen schools studied. It should be recognized that these summary sheets contain only those data regarded as absolutely essential for determining the current and future curriculum emphasis and the number of rooms needed to house a given educational program in 1970. At the average junior college with a day time enrollment of 1500-2000 it will take sixty or seventy pages of data to complete Form A yielding the current curricular percentage emphasis, and six pages each for Forms B and D to arrive at future curricular emphasis, class size and the number of rooms needed. On the summary sheets which follow are found only those data which are considered essential for making comparisons between schools and to aid in the planning needs for future schools.

Where no figures or no changes appear in the column headed "Future," it was the decision of the local junior college authorities that no significant changes in curriculum emphasis were anticipated or that they did not desire to attempt to estimate the extent of such changes.

Note: The data for the future for the College of San Mateo is for 1961, not for 1970.



NAME OF SCHOOL: AMERICAN RIVER
 Student Hours per Week 26, 281

LOCATION: (SACRAMENTO)

Enrollment: October 1959 1,062 (4500 IN 1970) (Students carrying 12 or more units from Oct. report)
 1959 APA Total: 1,770 Advt: 475

| Department Courses | %Curriculum | | Class Size | No. Rms. | Department Courses | %Curriculum | | Class Size | No. Rms. | Department Courses | %Curriculum | | Class Size | No. Rms. |
|------------------------|-------------|--------|------------|----------|------------------------|-------------|--------|------------|----------|--------------------------------|-------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | | | 1959 | Future | | |
| English | 12.11 | 12.11 | 28 | 15 | Acct., Bkpg. | 2.27 | 2.27 | 95 | 3 | Aero Grd. School | | | | |
| Drama-Speech | 2.25 | 2.25 | 25 | 4 | Typing, Shorthand | 4.63 | 4.63 | 35 | 6 | Aero Flt. Prog. | | | | |
| Foreign Language | 2.48 | 2.48 | 25 | 5 | Off. Trng. (Mach.) | .87 | .87 | 30 | 2 | Architectural | | | | |
| Mathematics | 9.43 | 9.43 | 35 | 11 | Business Eng. | | | | | Drafting | | | | 2 |
| Social Science | .80 | .80 | | | Law, Math., Etc. | 1.36 | 1.36 | 35 | 2 | Aviation Mechan. | | | | |
| Anthropology | .94 | .94 | | | Distrib. Educ. | .32 | | | | Agriculture | | | | |
| Economics | .76 | .76 | 40 | | Human Relations | | | | | Lecture | | | | |
| Geography | 5.85 | 5.85 | 40/150 | 11 | Marketing | | | 25 | 1 | Lab. | | | | |
| History | 1.10 | 1.10 | 25 | | Work Experience | .16 | .16 | | | Building Trades | | | | |
| Humanities | 1.85 | 1.85 | | | Sales | | | | | Electronics | | | | |
| Orientation | 8.59 | 8.59 | | | Physical Science | 1.57 | 1.57 | 60 | 3 | Lecture | .63 | .63 | 50 | 2 |
| Philosophy | 1.26 | 1.26 | | | Biol., Zool., Bact. | | | | | Lab. | 4.93 | 4.93 | 25 | 10 |
| Political Sci. | | | | | Lecture | 2.12 | 2.12 | 30 | 5 | Law Enforcement | | | | |
| Psychology | | | | | Lab. | | | | | Technical Draft. | | | | |
| Sociology | | | | | Anatomy, Physiol. | | | | | Shops | | | | |
| Other | | | | | Lecture | | | | | Automotive | 4.49 | 4.49 | 24 | 1 |
| ALL | | | | | Lab. | | | | | Machine | | | | |
| Total: Soc.Sci. | 21.25 | 21.25 | | 16 | Botany, Natr. Study | 2.41 | 2.41 | | | Metals | | | | |
| Total: "Academic" | 47.52 | 47.52 | | 51 | Lecture | | | | | Welding | | | | |
| Apprec., Hist., Theory | .82 | .82 | 100 | 11 | Lab. | | | | | Refrig. | | | | |
| Drawing-Paint. | 2.98 | 2.98 | 25 | 6 | Physical Science | 1.03 | 1.03 | | | Other | | | | |
| Crafts | | | | | Lab. | | | | | Home Econ. | | | | |
| Photography | | | | | Lecture | | | | | Lecture | 1.21 | 1.21 | 30 | 1 |
| Lecture | | | | | Lab. | | | | | Lab. | | | | |
| Lab. | | | | | Geology | .33 | .33 | | | Nursing | | | | |
| Lecture | | | | | Lecture | | | | | R.N. Program | | | | |
| Hist., Theory, | .94 | .94 | 16 | 1 | Lab. | | | | | L.V.N. Program | | | | |
| Appreciation | .69 | .69 | 100 | 11 | Astronomy | | | 30 | 2 | Dental Asst. | | | | |
| Choral | .98 | .98 | | | Meteorology | | | | | Med. Asst. | | | | |
| Instrumental | .20 | .20 | | | Chemistry | 2.47 | 2.47 | 150 | 111 | SEWING LAB | | | 30 | 1 |
| Practice Grps. | 2.25 | 2.25 | 150 | 111 | Lecture | 4.27 | 4.27 | 25 | 8 | Total Rooms Needed | | | | 176 |
| Health Education | .19 | .19 | | | Lab. | | | | | Large Lecture (Little Theatre) | | | | 5 |
| Hygiene | .20 | .20 | | | Physics | 1.54 | 1.54 | 48 | 1 | Standard Classrooms | | | | 63 |
| First Aid | 2.25 | 2.25 | 150 | 111 | Lecture | .77 | .77 | 16 | 2 | Special Classrooms & Shops | | | | 38 |
| Coaching | .19 | .19 | | | Strength of Mat. Stat. | | | | | Laboratories | | | | 30 |
| | | | | | Engineering Drw. | 4.60 | 4.60 | 20 | 9 | | | | | |
| | | | | | Surveying | .59 | .59 | 16 | 1 | | | | | |

READING LAB 1.5 1.5 25 2
 JOURNALISM .34 .34 20 1

* 1521 - 1062
 6500 4500

| NAME OF SCHOOL: ANTELOPE VALLEY COLLEGE | | LOCATION: LANCASTER | | |
|---|----------------------|---|------------|----------|
| Student Hours per Week 7164 | | (Exclude P.E. not in classroom) | | |
| Enrollment: October 1959 43 | | (Students carrying 12 or more units from Oct. report) | | |
| 1959 ADA | | Total: 464 | | |
| Total: 1,026 | | | | |
| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
| | 1959 | Future | | |
| English | 19.2 | 12.0 | 30 | 6 |
| Drama-Speech | 2.9 | 3.0 | 30 | 3 |
| Foreign Language | 2.1 | 4.0 | 30 | 2 |
| Mathematics | 13.3 | 11.0 | 40 | 5 |
| Social Science | | | | |
| Anthropology | | | | |
| Economics | 1.3 | 1.2 | 40 | 1 |
| Geography | | 1.2 | 30 | - |
| History | 5.2 | 5.0 | 45 | 2 |
| Humanities | | | | |
| Orientation | 2.7 | 2.7 | 30 | 2 |
| Philosophy | .6 | .6 | 30 | - |
| Political Sci. | 1.7 | 1.7 | 55 | 1 |
| Psychology | 3.1 | 3.1 | 45 | 1 |
| Sociology | 1.1 | 1.1 | 45 | 1 |
| Other S.S. | | | | |
| JOURNALISM | | | | |
| Total: Soc.Sci. | 15.7 | 16.6 | | 11 |
| Total: "Academic" | 47.2 | 40.6 | | 27 |
| Apprec., Hist., Theory | .8 | 1.0 | 30 | 1 |
| Drawing-Paint. | .6 | 1.0 | 24 | 1 |
| Crafts | | | | |
| Photography | | | | |
| Lecture | | | | |
| Lab. | | | | |
| Lecture | | | | |
| Hist., Theory, Appreciation | 1.0 | 1.0 | 30 | 1 |
| Choral | 1.0 | 1.0 | 50 | 1 |
| Instrumental | | | | |
| Practice Grps. | .7 | 1.0 | 50 | 1 |
| Health Education | 2.8 | 2.5 | 30 | 2 |
| EMERGENCY FIRST AID | .9 | .5 | 30 | - |
| Music | | | | |
| Coaching | | | | |
| LIBERAL ARTS OR COURSES | | | | |
| USING NON-SPECIALIZED CLASSROOMS | | | | |
| Department Courses | | | | |
| English | 19.2 | 12.0 | 30 | 6 |
| Drama-Speech | 2.9 | 3.0 | 30 | 3 |
| Foreign Language | 2.1 | 4.0 | 30 | 2 |
| Mathematics | 13.3 | 11.0 | 40 | 5 |
| Social Science | | | | |
| Anthropology | | | | |
| Economics | 1.3 | 1.2 | 40 | 1 |
| Geography | | 1.2 | 30 | - |
| History | 5.2 | 5.0 | 45 | 2 |
| Humanities | | | | |
| Orientation | 2.7 | 2.7 | 30 | 2 |
| Philosophy | .6 | .6 | 30 | - |
| Political Sci. | 1.7 | 1.7 | 55 | 1 |
| Psychology | 3.1 | 3.1 | 45 | 1 |
| Sociology | 1.1 | 1.1 | 45 | 1 |
| Other S.S. | | | | |
| JOURNALISM | | | | |
| Total: Soc.Sci. | 15.7 | 16.6 | | 11 |
| Total: "Academic" | 47.2 | 40.6 | | 27 |
| Apprec., Hist., Theory | .8 | 1.0 | 30 | 1 |
| Drawing-Paint. | .6 | 1.0 | 24 | 1 |
| Crafts | | | | |
| Photography | | | | |
| Lecture | | | | |
| Lab. | | | | |
| Lecture | | | | |
| Hist., Theory, Appreciation | 1.0 | 1.0 | 30 | 1 |
| Choral | 1.0 | 1.0 | 50 | 1 |
| Instrumental | | | | |
| Practice Grps. | .7 | 1.0 | 50 | 1 |
| Health Education | 2.8 | 2.5 | 30 | 2 |
| EMERGENCY FIRST AID | .9 | .5 | 30 | - |
| Music | | | | |
| Coaching | | | | |
| LIBERAL ARTS OR COURSES | | | | |
| USING NON-SPECIALIZED CLASSROOMS | | | | |
| Department Courses | | | | |
| Acct., Bkpgg. | 2.3 | 2.5 | 24 | 1 |
| Typing, Shorthand. | 3.3 | 4.0 | 60 | 2 |
| Off. Trng. (Mach.) | 1.1 | 1.1 | 30 | 1 |
| Business Eng. | | | | |
| Law, Math., Etc. | 1.6 | 1.6 | 30 | 1 |
| Distrib. Educ. | .8 | .8 | | 1 |
| Data Process. | | | | |
| Human Relations | | | | |
| Marketing | | | | |
| Sales | | | | |
| Work Experience | .4 | .4 | | - |
| Biol., Zool., Bact. | | | | |
| Lecture | 1.5 | 1.5 | 72 | 1 LL |
| Lab. | 2.2 | 2.2 | 24 | 1 |
| Anatomy, Physiol. | | | | |
| Lecture | .2 | .2 | 72 | 1 |
| Lab. | .4 | .4 | 24 | 1 |
| Physical Science | | | | |
| Lecture | 1.0 | 1.0 | 72 | |
| Lab. | | | | |
| Geology | | | | |
| Lecture | 1.3 | 1.3 | 48 | |
| Lab. | .3 | .3 | 24 | 1 |
| Astronomy | | | | |
| Microbiology | | | | |
| Chemistry | | | | |
| Lecture | 2.5 | 2.2 | 72 | 1 LL |
| Lab. | 4.4 | 4.0 | 24 | 3 |
| Physics | | | | |
| Lecture | 2.6 | 2.2 | 72 | 1 LL |
| Lab. | 3.5 | 3.0 | 24 | 3 |
| Strength of Mat. | | | | |
| Stat. | .5 | .5 | 24 | 1 |
| Engineering Drw. | 1.6 | 1.5 | 30 | 1 |
| Surveying | 1.5 | 1.5 | 24 | |
| PHYSICAL SCIENCE | | | | |
| Department Courses | | | | |
| Acct., Bkpgg. | 2.3 | 2.5 | 24 | 1 |
| Typing, Shorthand. | 3.3 | 4.0 | 60 | 2 |
| Off. Trng. (Mach.) | 1.1 | 1.1 | 30 | 1 |
| Business Eng. | | | | |
| Law, Math., Etc. | 1.6 | 1.6 | 30 | 1 |
| Distrib. Educ. | .8 | .8 | | 1 |
| Data Process. | | | | |
| Human Relations | | | | |
| Marketing | | | | |
| Sales | | | | |
| Work Experience | .4 | .4 | | - |
| Biol., Zool., Bact. | | | | |
| Lecture | 1.5 | 1.5 | 72 | 1 LL |
| Lab. | 2.2 | 2.2 | 24 | 1 |
| Anatomy, Physiol. | | | | |
| Lecture | .2 | .2 | 72 | 1 |
| Lab. | .4 | .4 | 24 | 1 |
| Physical Science | | | | |
| Lecture | 1.0 | 1.0 | 72 | |
| Lab. | | | | |
| Geology | | | | |
| Lecture | 1.3 | 1.3 | 48 | |
| Lab. | .3 | .3 | 24 | 1 |
| Astronomy | | | | |
| Microbiology | | | | |
| Chemistry | | | | |
| Lecture | 2.5 | 2.2 | 72 | 1 LL |
| Lab. | 4.4 | 4.0 | 24 | 3 |
| Physics | | | | |
| Lecture | 2.6 | 2.2 | 72 | 1 LL |
| Lab. | 3.5 | 3.0 | 24 | 3 |
| Strength of Mat. | | | | |
| Stat. | .5 | .5 | 24 | 1 |
| Engineering Drw. | 1.6 | 1.5 | 30 | 1 |
| Surveying | 1.5 | 1.5 | 24 | |
| LIFE SCIENCE | | | | |
| Department Courses | | | | |
| Acct., Bkpgg. | 2.3 | 2.5 | 24 | 1 |
| Typing, Shorthand. | 3.3 | 4.0 | 60 | 2 |
| Off. Trng. (Mach.) | 1.1 | 1.1 | 30 | 1 |
| Business Eng. | | | | |
| Law, Math., Etc. | 1.6 | 1.6 | 30 | 1 |
| Distrib. Educ. | .8 | .8 | | 1 |
| Data Process. | | | | |
| Human Relations | | | | |
| Marketing | | | | |
| Sales | | | | |
| Work Experience | .4 | .4 | | - |
| Biol., Zool., Bact. | | | | |
| Lecture | 1.5 | 1.5 | 72 | 1 LL |
| Lab. | 2.2 | 2.2 | 24 | 1 |
| Anatomy, Physiol. | | | | |
| Lecture | .2 | .2 | 72 | 1 |
| Lab. | .4 | .4 | 24 | 1 |
| Physical Science | | | | |
| Lecture | 1.0 | 1.0 | 72 | |
| Lab. | | | | |
| Geology | | | | |
| Lecture | 1.3 | 1.3 | 48 | |
| Lab. | .3 | .3 | 24 | 1 |
| Astronomy | | | | |
| Microbiology | | | | |
| Chemistry | | | | |
| Lecture | 2.5 | 2.2 | 72 | 1 LL |
| Lab. | 4.4 | 4.0 | 24 | 3 |
| Physics | | | | |
| Lecture | 2.6 | 2.2 | 72 | 1 LL |
| Lab. | 3.5 | 3.0 | 24 | 3 |
| Strength of Mat. | | | | |
| Stat. | .5 | .5 | 24 | 1 |
| Engineering Drw. | 1.6 | 1.5 | 30 | 1 |
| Surveying | 1.5 | 1.5 | 24 | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | | | | |
| Department Courses | | | | |
| Aero Grd. School | | | | |
| Aero Flt. Prog. | | | | |
| Architectural | | | | |
| Drafting | | | | |
| Aviation Mechan. | | | | |
| Agriculture | | | | |
| Lecture | | | | |
| Lab. | | | | |
| Building Trades | | | | |
| Electronics | | | | |
| Lecture | 4.0 | 3.0 | 48 | 1 |
| Lab. | 1.5 | 1.5 | 24 | 2 |
| Law Enforcement | .8 | .8 | 30 | |
| Technical Draft. | 1.0 | 1.0 | 30 | 1 |
| Shops | | | | |
| Automotive | | | | |
| Machine | | | | |
| Metals | 1.1 | 1.0 | 24 | 1 |
| Welding | .5 | .5 | 24 | 1 |
| Refrig. | | | | |
| Other WOOD | 1.1 | 1.0 | 24 | 1 |
| HOME EC. & NURSING | | | | |
| Department Courses | | | | |
| Home Econ. | | | | |
| Lecture | | | | |
| Lab. | | | | |
| Nursing | | | | |
| R.N. Program | | | | |
| L.V.N. Program | 6.1 | 3.0 | 24 | 2 |
| Dental Asst. | | | | |
| Med. Asst. | | | | |
| Total Rooms Needed | | | | 67 |
| Large Lecture (Little Theatre) | | | | 3 |
| Standard Classrooms | | | | 34 |
| Special Classrooms & Shops | | | | 13 |
| Laboratories | | | | 12 |

READING LAB 30 1

NAME OF SCHOOL: BAKERSFIELD COLLEGE

LOCATION: BAKERSFIELD, CALIFORNIA

Student Hours per Week 79,874

(Exclude P.E. not in classroom)

Enrollment: October 1959 2,078 (3,117 IN 1970)

Students carrying 12 or more units from Gub. report

1959 ADA Total: 3,184

Appt: 592

| Department Courses | %Curriculum | | Class Size | No. Rms. | Department Courses | %Curriculum | | Class Size | No. Rms. |
|------------------------|-------------|--------|------------|----------|---------------------|-------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| English | 12.7 | 12.7 | 30 | 9 | INTRO TO BUSINESS | 1.5 | 1.5 | 25 | 1 |
| Drama-Speech | 2.1 | 2.1 | 25 | 2 | Acct., Bkpg. | 1.4 | 1.4 | 42 | 2 |
| Foreign Language | 3.8 | 4.0 | 30 | 3 | Typing, Shorthand | 2.7 | 2.7 | 24 | 2 |
| Mathematics | 7.4 | 7.4 | 30 | 6 | Off. Trng. (Mach.) | 1.1 | 1.1 | 40 | 1 |
| Social Science | | | | | Business Eng. | .9 | .8 | | |
| Anthropology | | | | | Law, Math., Etc. | 1.4 | 1.4 | | |
| Economics | .7 | .5 | | | Distrib. Educ. | | | | |
| Geography | .8 | .8 | | | Data Process. | | | | |
| History | 9.7 | 9.7 | | | Human Relations | | | | |
| Humanities | .6 | 1.0 | | | Marketing | .2 | .2 | | |
| Orientation | 3.1 | 3.1 | 40 | 2 | Sales | | | | |
| Philosophy | .6 | .6 | | | Work Experience | | | | |
| Political Sci. | .4 | .4 | | | Biol., Zool., Bact. | | | | |
| Psychology | 4.3 | 4.3 | 40 | 2 | Lecture | .7 | .7 | 72 | 1 |
| Sociology | 1.3 | 1.3 | | | Lab. | 1.6 | 1.6 | 24 | 3 |
| Other | | | | | Anatomy, Physiol. | | | | |
| Total: Soc.Sci. | 21.5 | 21.3 | 40 | 8 | Lecture | 1.2 | 1.2 | | |
| Total: "Academic" | 47.5 | 47.5 | | 32 | Lab. | 1.4 | 1.4 | | |
| Apprec., Hist., Theory | 2.4 | 2.2 | 35 | 2 | Botany, Natr. Study | .4 | .4 | 72 | 1 |
| Drawing-Paint. | | | 24 | 1 | Lecture | .8 | .8 | 24 | 3 |
| Crafts | | | | | Lab. | | | | |
| Photography | .06 | .06 | | | Physical Science | | | | |
| Lecture | .04 | .04 | | | Lecture | .5 | .5 | | |
| Lab. | | | | | Lab. | .5 | .5 | | |
| Lecture | 1.4 | 1.2 | 60 | 1 | Geology | 1.2 | 1.2 | 50 | 1 |
| Hist., Theory, | .4 | .4 | 60 | 1 | Lecture | .1 | .1 | 18 | 1 |
| Appreciation | .6 | .6 | 60 | 1 | Lab. | | | | |
| Choral | | | | | Astronomy | | | | |
| Instrumental | | | | | Metereology | | | | |
| Practice Grps. | 3.1 | 3.0 | 40 | 1 | Chemistry | 2.4 | 2.4 | 72 | 1 |
| Health Education | | | | | Lecture | 4.4 | 4.4 | 24 | 5 |
| Hygiene | | | | | Physics | 1.6 | 1.6 | 80 | 1 |
| First Aid | | | | | Lecture | 1.1 | 1.1 | 20 | 2 |
| Coaching | | | | | Lab. | | | | |
| | | | | | Strength of Mat. | .3 | .3 | 40 | 2 |
| | | | | | Stat. | 1.7 | 1.7 | 20 | 2 |
| | | | | | Engineering Drw. | | | | |
| | | | | | Surveying | | | | |
| | 1.2 | 1.3 | 20 | 2 | | | | | |
| | .6 | 1.0 | 10 | 1 | | | | | |

READING LAB
JOURNALISM

1.2 1.3 20 2

.6 1.0 10 1

| Department Courses | %Curriculum | | Class Size | No. Rms. | Department Courses | %Curriculum | | Class Size | No. Rms. |
|--------------------------------|-------------|--------|------------|----------|--------------------------------|-------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| INDUST. SCI. | | | | | INDUST. SCI. | | | | |
| Automotive | 1.5 | 1.0 | 20 | 1 | Automotive | 1.5 | 1.0 | 20 | 1 |
| Machine | .13 | .13 | 1 | 1 | Machine | .13 | .13 | 1 | 1 |
| Metals | .24 | .24 | | | Metals | .24 | .24 | | |
| Welding | .49 | .49 | 20 | 1 | Welding | .49 | .49 | 20 | 1 |
| Other TECH MATH | .9 | .9 | 18 | 1 | Other TECH MATH | .9 | .9 | 18 | 1 |
| IND. MATH | .5 | .5 | | | IND. MATH | .5 | .5 | | |
| Home Econ. | | | | | Home Econ. | | | | |
| Lecture | .4 | .4 | 30 | 1 | Lecture | .4 | .4 | 30 | 1 |
| Lab. | 1.3 | 1.3 | 20 | 2 | Lab. | 1.3 | 1.3 | 20 | 2 |
| Nursing | | | | | Nursing | | | | |
| R.N. Program | .3 | 1.0 | 25 | 1 | R.N. Program | .3 | 1.0 | 25 | 1 |
| L.V.N. Program | .3 | 1.0 | 25 | 1 | L.V.N. Program | .3 | 1.0 | 25 | 1 |
| Dental Asst. | | | | | Dental Asst. | | | | |
| Med. Asst. | | | | | Med. Asst. | | | | |
| Total Rooms Needed | | | | | Total Rooms Needed | | | | 87 |
| Large Lecture (Little Theatre) | | | | | Large Lecture (Little Theatre) | | | | 4 |
| Standard Classrooms | | | | | Standard Classrooms | | | | 37 |
| Special Classrooms & Shops | | | | | Special Classrooms & Shops | | | | 24 |
| Laboratories | | | | | Laboratories | | | | 22 |

VOCATIONAL, TECHNICAL AND INDUSTRIAL

HOME EC. & NURSING

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ART

MUSIC

PHYSICAL EDUCATION

NAME OF SCHOOL: COPTON JUNIOR COLLEGE

Student Hours per Week 25.217

Enrollment: October 1959 1,433

1959 ADA Total: 2,093

LOCATION: COPTON, CALIFORNIA
(Exclude P.E. not in classroom)

(Students carrying 12 or more units from Oct. report)

Appl: 460

| LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|--|-----------------------------|----------------------|--------|------------|----------|--------------------------------|----------------------|--------|------------|----------|
| | | 1959 | Future | | | | 1959 | Future | | |
| LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS | English | 11.1 | 11.0 | 35 | 5 | Acct., Bkpgg. | 3.2 | 3.2 | 35 | 1 |
| | Drama-Speech | 1.9 | 2.1 | 30 | 1 | Typing, Shorthand | 4.2 | 4.2 | 45 | 2 |
| | Foreign Language | 3.2 | 3.2 | 25 | 2 | Off. Trng.(Mach.) | 2.2 | 2.2 | 25 | 2 |
| | Mathematics | 8.2 | 8.2 | 25 | 5 | Business Eng. | | | | |
| | Social Science | | DRAMA | | 11 | Law, Math., Etc. | 2.7 | 2.7 | 35 | 2 |
| | Anthropology | | | | | Distrib. Educ. | | | | |
| | Economics | | | | | Data Process. | | | | |
| | Geography | | | | | Human Relations | | | | |
| | History | | | | | Marketing | .2 | .2 | 35 | |
| | Humanities | | | | | Sales | | | | |
| ARTS | Orientation | | | | | Work Experience | | | | |
| | Philosophy | | | | | | | | | |
| | Political Sci. | | | | | Biol., Zool., Bact. | | | | |
| | Psychology | | | | | Lecture | 2.5 | 2.5 | 75 | 1 |
| | Sociology | | | | | Lab. | 3.6 | 3.6 | 25 | |
| | Other | | | | | Anatomy, Physiol. | | | | |
| | Total: Soc.Sci. | 18.4 | 18.1 | 35 | 6 | Lecture | .2 | .2 | 75 | 1 |
| | Total: Academic | 42.8 | 42.6 | | | Lab. | .3 | .3 | 25 | |
| | Apprec., Hist., Theory | .7 | .7 | 45 | 1 | Botany, Matr. Study. | | | | |
| | Drawing-Paint. | .3 | .3 | | | Lecture | | | | |
| MUSIC | Crafts | 1.5 | 1.8 | 20 | 3 | Lab. | | | | |
| | Photography | | | | | Physical Science | | | | |
| | Lecture | | | | | Lecture | | | | |
| | Lab. | | | | | Lab. | | | | |
| | Lecture | | | | | Geology | | | | |
| | Hist., Theory, Appreciation | .9 | .9 | 20 | 1 | Lecture | | | | |
| | Choral | .4 | .4 | 75 | 1 | Lab. | | | | |
| | Instrumental | 1.2 | 1.2 | | | Astronomy | | | | |
| | Practice Grps. | | | | | Meteorology | | | | |
| | Health Education | | | | | Chemistry | | | | |
| PHYSICAL EDUCATION | Hygiene | | | | | Lecture | 4.4 | 4.4 | 75 | 1 |
| | First Aid | 2.3 | 2.3 | 40 | 1 | Lab. | 3.6 | 3.6 | 25 | 3 |
| | Coaching | | | | | Physics | | | | |
| | | | | | | Lecture | 1.9 | 1.9 | 45 | 1 |
| | | | | | | Lab. | 1.6 | 1.6 | 20 | 2 |
| | | | | | | Strength of Mat. | | | | |
| | | | | | | Stat. | 1.1 | 1.1 | 24 | 1 |
| | | | | | | Engineering Drw. | 5.6 | 5.6 | 24 | 4 |
| | | | | | | Surveying | | | | |
| | | | | | | | | | | |
| BUSINESS | | | | | | | | | | |
| LIFE SCIENCES | | | | | | | | | | |
| PHYSICAL SCIENCES | | | | | | | | | | |
| HOME EC. & NURSING | | | | | | | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | | | | | | | | | | |
| | | | | | | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
| | | | | | | | 1959 | Future | | |
| | | | | | | Aero Grd. School | | | | |
| | | | | | | Aero Flt. Prog. | | | | |
| | | | | | | Architectural Drafting | | | | |
| | | | | | | Aviation Mechan. | | | | |
| | | | | | | Agriculture Lecture | | | | |
| | | | | | | Lab. | | | | |
| | | | | | | Building Trades | | | | |
| | | | | | | Electronics Lecture | | | | |
| | | | | | | Lab. | | | | |
| | | | | | | Law Enforcement | | | | |
| | | | | | | Technical Draft. | | | | |
| | | | | | | Shops | 5.7 | 5.7 | | |
| | | | | | | Automotive | | | | 1 |
| | | | | | | Machine | | | | |
| | | | | | | Metals | | | | 1 |
| | | | | | | Welding | | | | 1 |
| | | | | | | WOOD | | | 24 | |
| | | | | | | Other GRAPHICS | | | | |
| | | | | | | Home Econ. Lecture | | | | 20 |
| | | | | | | Lab. | | | | 2 |
| | | | | | | Nursing | | | | |
| | | | | | | R.N. Program | | | | |
| | | | | | | L.V.N. Program | 4.9 | 4.9 | 25 | 3 |
| | | | | | | LAB | .6 | .6 | | 1 |
| | | | | | | Med. Asst. | | | | |
| | | | | | | Total Rooms Needed | | | | 63 |
| | | | | | | Large Lecture (Little Theatre) | | | | 4 |
| | | | | | | Standard Classrooms | | | | 32 |
| | | | | | | Special Classrooms & Shops | | | | 13 |
| | | | | | | Laboratories | | | | 14 |

NAME OF SCHOOL: ALLEN HANCOCK LOCATION: SANTA MARIA
 Student Hours per Week 5,491 (Exclude F.E. not in classroom)
 Enrollment: October 1959 267 (750 IN 1970) (Students carrying 12 or more units from Oct. report)
 1959 ADA Total: 207

| LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|--|--------------------------------------|----------------------|--------|------------|----------|----------------------|----------------------|--------|------------|----------|
| | | 1959 | Future | | | | 1959 | Future | | |
| LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS | English | 10.3 | 10.5 | 25 | 1 | Acct., Bkpgg. | 1.5 | 2.6 | 20 | 1 |
| | Drama-Speech | | (100) | 20 | 1 LT | Typing, Shorthand. | 3.0 | 5.3 | 36 | 1 |
| | Foreign Language | 1.2 | 2.3 | 25 | 1 | Off. Trng. (Mach.) | 2.6 | 3.2 | 20 | 1 |
| | Mathematics | 3.4 | 3.7 | 30 | 1 | Business Eng. | | | | |
| | Social Science | 14.8 | 13.1 | 30 | 2 | Law, Math., Etc. | 1.8 | 1.4 | 30 | |
| | Anthropology | | | | | Distrib. Educ. | | | | |
| | Economics | | | | | Data Process. | | | | |
| | Geography | | | | | Human Relations | | | | |
| | History | | | | | Marketing | 1.0 | 1.1 | 24 | |
| | Humanities | | | | | Sales | | | | |
| ART | Orientation | 6.3 | 6.7 | | | Work Experience | | | | |
| | Philosophy | | | | | Biol., Zool., Bact. | | | | |
| | Political Sci. | | | | | Lecture | 2.0 | 2.1 | 48 | 1 |
| | Psychology | | | | | Lab. | 6.0 | 4.3 | | |
| | Sociology | | | | | Anatomy, Physiol. | | | | |
| | Other | | | | | Lecture | .8 | .5 | 48 | 1 |
| | Total: Soc.Sci. | 21.1 | 19.8 | | | Lab. | 2.3 | .8 | 24 | 1 |
| | Total: "Academic" | | | | | Botany, Natr. Study. | | | | |
| | Apprec., Hist., Theory | 1.4 | 1.5 | 48 | 1 | Lecture | | | | |
| | Drawing-Paint. | 7.8 | 5.6 | 24 | 1 | Lab. | | | | |
| MUSIC | Crafts | | | | | Physical Science | | | | |
| | Photography | | | | | Lecture | | | | |
| | Lecture | | | | | Lab. | | | | |
| | Lab. | | | | | Geology | | | | |
| | Lecture | | | | | Lecture | 5.2 | 4.1 | 48 | |
| | Lab. | | | | | Lab. | | | | |
| | Lecture | | | | | Astronomy | | | | |
| | Hist., Theory, | .9 | .6 | 30 | | Meteorology | | | | |
| | Appreciation | .7 | .6 | 75 | 1 | Chemistry | | | | |
| | Choral | | | | | Lecture | | | | |
| PHYSICAL EDUCATION | Instrumental | | | | | Lab. | | | | |
| | Practice Grps. | | | | | Physics | | | | |
| | Health Education | | | | | Lecture | 1.5 | 1.6 | 96 | 1 LT |
| | Hygiene | | | | | Lab. | 4.3 | 3.1 | 24 | 1 |
| | First Aid | | | | | Strength of Mat. | | | | |
| | Coaching | | | | | Stat. | | | | |
| | Total: Physical Ed. | | | | | Engineering Drw. | 4.0 | 4.2 | 30 | 1 |
| | Surveys | | | | | Surveying | 1.6 | .7 | 24 | |
| | Other | | | | | | | | | |
| | VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | |
| Mathematics | | | | | | Lecture | | | | |
| Science | | | | | | Lab. | | | | |
| History | | | | | | Geology | | | | |
| Art | | | | | | Lecture | | | | |
| Music | | | | | | Lab. | | | | |
| Physical Education | | | | | | Astronomy | | | | |
| Home Ec. | | | | | | Meteorology | | | | |
| Nursing | | | | | | Chemistry | | | | |
| Other | | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| HOME EC. & NURSING | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |
| | Art | | | | | Lecture | | | | |
| | Music | | | | | Lab. | | | | |
| | Physical Education | | | | | Astronomy | | | | |
| | Home Ec. | | | | | Meteorology | | | | |
| | Nursing | | | | | Chemistry | | | | |
| | Other | | | | | Lecture | | | | |
| VOCATIONAL, TECHNICAL AND INDUSTRIAL | English | | | | | Physical Science | | | | |
| | Mathematics | | | | | Lecture | | | | |
| | Science | | | | | Lab. | | | | |
| | History | | | | | Geology | | | | |

NAME OF SCHOOL: MT. SAN ANTONIO
 Student Hours per Week 49,091
 Enrollment: October 1959 2,454 (4,120 in 1970)
 1959 ADA Total: 3,042

LOCATION: POMONA, CALIFORNIA
 (Exclude P.E. not in classroom)
 (Students carrying 12 or more units from Oct. report)

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|-----------------------------|----------------------|--------|------------|------------|--------------------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| English | 6.5 | 6.5 | 35 | 8 | LECTURE | 1.5 | 1.5 | 35 | 2 |
| Drama-Speech | 2.2 | 2.2 | 32 | 4 | Aero Books LAB | 2.1 | 2.1 | 35 | 4 |
| Foreign Language | 4.0 | 4.5 | 40 | 5 | Aero Fit. Prog. | | | | |
| Mathematics | 5.8 | 5.8 | 35 | 8 | Architectural | | | | |
| Social Science | | | | | Drafting | 1.8 | 1.9 | 25 | 4 |
| Anthropology | | | | | Aviation Mechan. | | | | |
| Economics | | | | | Agriculture | .1 | .1 | 35 | |
| Geography | | | | | Lecture | | | | |
| History | | | | | Lab. | | | | |
| Humanities | | | | | Building Trades | | | | |
| Orientation | | | | 2 | Electronics | | | | |
| Philosophy | | | | | Lecture | | | 35 | |
| Political Sci. | | | | | Lab. | 2.4 | 2.4 | 25 | 5 |
| Psychology | | | | | Law Enforcement | | | | |
| Sociology | | | | | Technical Draft. | | | | 2 |
| Other | | | | | Shops LABS | 1.3 | 1.4 | 35 | 2 |
| Total: Soc.Sci. | 24.0 | 24.0 | 50 | 24 | Automotive | | | 25 | 2 |
| Total: Academic | | | | 51 | Machine | 1.2 | 1.3 | 25 | 2 |
| Apprec., Hist., Theory | 1.2 | 1.2 | 50 | 1 | Metals | | | | |
| Drawing-Paint. | 2.2 | 2.2 | 20 | 5 | Welding | | | | |
| Crafts | | | | | Refrig. | | | | |
| Photography | | | | | Other SHOP LECT | 1.2 | 1.3 | 25 | 3 |
| Lecture Lab. | .1 | .1 | 20 | | Home Econ. | | | | |
| Lecture | | | | | Lecture | .7 | .7 | 30 | 2 |
| Hist., Theory, Appreciation | 1.4 | 1.4 | 40 | 2 | Lab. | .7 | .7 | 24 | 3 |
| Choral | 1.6 | 1.6 | 100 | 1, 1, 1, 1 | Nursing LECT. | .3 | .3 | 50 | 1 |
| Instrumental | | | | | R.N. Program LAB | .3 | .3 | 32 | 1 |
| Practice Grps. | | | 30 | 1 | L.V.N. Program | .5 | .5 | 50 | 1 |
| Health Education | 2.0 | 2.0 | 50 | 2 | LABS LAB. | .9 | .9 | 32 | 2 |
| Hygiene | | | | | Med. Asst. | | | | |
| First Aid | .6 | .6 | 30 | 1 | Total Rooms Needed | | | | 149 |
| Coaching | .2 | .2 | 30 | | Large Lecture (Little Theatre) | | | | 5 |
| | | | | | Standard Classrooms | | | | 82 |
| | | | | | Special Classrooms & Shops | | | | 21 |
| | | | | | Laboratories | | | | 41 |

LIBERAL ARTS OR COURSES
 USING NON-SPECIALIZED CLASSROOMS

PHYSICAL EDUCATION

MUSIC

ARTS

PHYSICAL SCIENCE

LIFE SCIENCE

BUSINESS

VOCATIONAL, TECHNICAL AND INDUSTRIAL

HOME EC. & NURSING

READING LAB
 JOURNALISM

LOCATION: COSTA MESA

NAME OF SCHOOL: ORANGE COAST

Student Hours per Week 37,995 (Exclude P.E. not in Classroom)

Enrollment: October 1959 1,792 (7,020 in 1970) (Students carrying 12 or more units from Opt. report)

1959 ADA Total: 3,180

| Department Courses | %Curriculum | | Class Size | No. Rms. | Department Courses | %Curriculum | | Class Size | No. Rms. |
|------------------------|-------------|--------|------------|----------|---------------------|-------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| English | 10.5 | 10.3 | 30/35 | 18/16 | Acct., Bkpgg. | 2.1 | 2.6 | 30 | 5 |
| Drama-Speech | 1.3 | 1.2 | 30 | 3 | Typing, Shorthand | 3.4 | 3.4 | 35 | 5 |
| Foreign Language | 3.2 | 3.8 | 40 | 5 | Off. Trng. (Mach.) | 1.2 | 1.0 | 25 | 2 |
| Mathematics | 6.2 | 6.2 | 25/40 | 14/9 | Business Eng. | | | | |
| Social Science | | | | | Law, Math., Etc. | 2.4 | 2.5 | 35 | 4 |
| Anthropology | | | | | Distrib. Educ. | | | | |
| Economics | 1.4 | 1.4 | 35 | 3 | Data Process. | .4 | | 25 | 1 |
| Geography | 1.1 | 1.1 | 135 | 2 | Human Relations | .2 | .2 | 40 | 1 |
| History | 6.4 | 6.4 | + 25 | 4 | Marketing | 1.3 | 1.1 | 25 | 2 |
| Humanities | | | | | Sales | 1.0 | .9 | 40 | 2 |
| Orientation | | | | | Work Experience | | | | |
| Philosophy | .6 | .6 | 35 | 1 | | | | | |
| Political Sci. | 1.0 | .9 | 135 | 2 | Biol., Zool., Bact. | | | | |
| Psychology | 7.9 | 7.9 | + 30 | 14 | Lecture | 2.5 | 2.5 | 100 | 2 LL |
| Sociology | 1.4 | 1.3 | 35 | 2 | Lab. | 1.8 | 1.8 | 32 | 4 |
| Other THEAT ARTS | 1.0 | 1.0 | 30 | 2 | Anatomy, Physiol. | | | | |
| + LECTURE HALLS | | | 300 | 3 LL | Lecture | .5 | .5 | 100 | 1 LL |
| Total: Soc.Sci. | 20.8 | 20.6 | | 31 | Lab. | .7 | .7 | 32 | 2 |
| Total: "Academic" | 42.0 | 42.2 | | 98 | Botany, Natr. Study | | | | |
| | | | | | Lecture | | | | |
| | | | | | Lab. | .6 | .6 | | |
| Apprec., Hist., Theory | 2.6 | 2.6 | 300 | 1 LL | | | | | |
| Drawing-Print. | 3.5 | 3.5 | 30 | 6 | Physical Science | | | | |
| Crafts | | | 20 | 11 | Lecture | .7 | .7 | 100 | 1 LL |
| Photography | | | | | Lab. | .6 | .6 | 32 | 2 |
| Lecture | | | | | Geology | | | | |
| Lab. | | | | | Lecture | .3 | .3 | 100 | |
| | | | | | Lab. | .5 | .5 | 25 | |
| Lecture | .5 | .5 | 300 | 1 LL | Astronomy | .2 | .2 | 100 | |
| Hist., Theory, | 1.0 | 1.0 | 90 | 1 | Meteorology | | | | |
| Appreciation | .9 | .9 | 50 | 1 | Chemistry | | | | |
| Choral | | | | | Lecture | 2.5 | 2.5 | 100 | 1 LL |
| Instrumental | | | | | Lab. | 2.3 | 2.8 | 32 | 6 |
| Practice Grps. | | | | | Physics | | | | |
| | | | | | Lecture | .4 | .4 | 100 | |
| Health Education | 1.5 | 1.5 | 35 | 3 | Lab. | .5 | .4 | 30 | 1 |
| Hygiene | | | | | Strength of Mat. | .2 | .2 | 30 | 0 |
| First Aid | | | | | Stat. LAB | .1 | .1 | 24 | 1 |
| Coaching | | | | | Engineering Brw. | 1.8 | 1.5 | 25 | 2 |
| | | | | | Surveying | .3 | .3 | LEC 75 | 0 |
| | | | | | | .4 | .4 | LAB 15 | 2 |
| READING LAB | .6 | .6 | | | | | | | |
| JOURNALISM | .1 | .2 | | | | | | | |

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ART

MUSIC

PHYSICAL EDUCATION

VOCATIONAL, TECHNICAL AND INDUSTRIAL

HOME EC. & NURSING

Total Rooms Needed
Large lecture (Little Theatre)
Standard Classrooms
Special Classrooms & Shops
Laboratories

READING LAB .6
JOURNALISM .1

LAB 15 2
LAB 15 2

NAME OF SCHOOL: REEDLEY COLLEGE

LOCATION: REEDLEY, CALIFORNIA

Student Hours per Week 14,459

Enrollment: October 1959 875 (1,355 in 1970)

(Students carrying 12 or more units from Coll. report)

1959 AUA Total: 1,287

Total: 176

| LIBERAL ARTS OR COURSES | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | |
|----------------------------------|------------------------|-----------------------------|--------|------------|--------------------|------------------------|--------------------------------|--------|------------|----------|----|
| | | 1959 | Future | | | | 1959 | Future | | | |
| USING NON-SPECIALIZED CLASSROOMS | English | 12.67 | 12.67 | 30 | | Aero Grd. School | 8.17 | 8.17 | 25 | 2 | |
| | Drama-Speech | 1.85 | 1.85 | 25 | | Aero Flt. Prog. | | | | | |
| | Foreign Language | 2.52 | 3.00 | 30 | | Architectural Drafting | | | | | |
| | Mathematics | 4.95 | 4.66 | 40 | | Aviation Mechan. | | | | | |
| | Social Science | | | | | Agriculture Lecture | .76 | .76 | 50 | | |
| | Anthropology | .85 | .85 | | | Lab. | 1.94 | 1.94 | 25 | | |
| | Economics | .75 | .75 | | | Building Trades | | | | | |
| | Geography | 9.24 | 9.24 | 100 | 1 LL | Electronics Lecture | .81 | 1.00 | 50 | 1 | |
| | History | | | | | Lab. | | | 25 | | |
| | Humanities | | | | | Law Enforcement | | | | | |
| | Orientation | 1.04 | 1.04 | | | Technical Draft. | | | | | |
| | Philosophy | .37 | .37 | | | Shops | | | | | |
| | Political Sci. | 2.77 | 2.77 | | | Automotive Machine | 2.67 | 2.67 | 30 | 2 | |
| | Psychology | .83 | .83 | | | Metals | .33 | .33 | 30 | 1 | |
| | Sociology | .33 | .33 | | | Welding | .39 | .39 | 30 | 1 | |
| Other EDUC. | | | | | WOOD | .21 | .21 | 30 | 1 | | |
| Total: Soc.Sci. | 16.18 | 16.18 | 100 | 1 LL | Other | | | | | | |
| Total: Academic | | | | | HOME EC. & NURSING | | | | | | |
| ARTS | Apprec., Hist., Theory | 3.50 | 2.50 | | | Home Econ. Lecture | 1.55 | 1.55 | 32 | 1 | |
| | Drawing-Paint. | | | 25 | 2 | Lab. | | | 16 | 1 | |
| | Crafts | | | | | Nursing R.N. Program | | | | | |
| | Photography | | | | | L.V.N. Program | | | | | |
| | Lecture | | | | | Dental Asst. | 2.28 | 2.28 | 25 | 2 | |
| | Lab. | | | | | Med. Asst. | | | | | |
| | MUSIC | Lecture | .98 | .98 | 25 | 1 | Total Rooms Needed | | | | 44 |
| | | Hist., Theory, Appreciation | 1.72 | 1.50 | 80 | 1 | Large Lecture (Little Theatre) | | | | 2 |
| | | Choral | 1.27 | .77 | 60 | | Standard Classrooms | | | | 24 |
| | | Instrumental | | | | | Special Classrooms & Shops | | | | 10 |
| Practice Grps. | | | | | | Laboratories | | | | 8 | |
| PHYSICAL EDUCATION | Health Education | 4.63 | 4.63 | 65 | 1 | | | | | | |
| | Hygiene | | | | | | | | | | |
| | First Aid | | | | | | | | | | |
| | Coaching | | | | | | | | | | |
| | | | | | | | | | | | |

READING LAB .54

JOURNALISM .54

NAME OF SCHOOL: COLLEGE OF SAN MATEO

LOCATION: SAN MATEO, CALIFORNIA

Student Hours per Week 51,558

(Exclude P.E. not in classroom)

Enrollment: October 1959 2,291

(Students carrying 12 or more units from Oct. report)

1959 ADA Total: 3,966

Units: 964

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|-----------------------------|----------------------|---------|------------|----------|-----------------------------------|----------------------|--------|------------|----------|--------------------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | | | 1959 | Future | | |
| English | 14.6 | 14.6 | 30 | 12 | Acct., Bkpgg. | 3.0 | 3.0 | 30 | 2 | Aero Grd.School | .6 | .6 | 30 | 1 |
| Drama-Speech | 2.0 | 2.0 | 15 | 3 | Typing, Shorthand. | 3.6 | 3.6 | 30 | 2 | Aero Ft. Prog. | .8 | .8 | 20 | 1 |
| Foreign Language | 2.9 | 2.9 | 27 | 3 | Off. Trng.(Mach.) | 1.6 | 1.6 | 18 | 2 | Architectural | | | | |
| Mathematics | 7.7 | 7.7 | 28 | 8 | XXXXXXXXXXXX SHORTHAND | | | 30 | 1 | Drafting | .2 | .2 | 30 | 1 |
| Social Science | | Sp. 400 | 400 | 1 | Law, Math., Etc. | 2.2 | 2.2 | 35 | 2 | Aviation Mechan. | | | | |
| Anthropology | | | | | Distrib. Educ. | | | | | XXXXXXXXXX LINK | | | | |
| Economics | | | | | Data Process. | | | | | XXXXXXXXXX TRAINER | | | | |
| Geography | | | | | Human Relations | | | | | Lab. | | | | |
| History | | | | | Marketing | .3 | .3 | 25 | 1 | Building Grades | | | | |
| Humanities | | | | | Work Experience | .5 | .5 | 15 | 1 | Electronics | | | | |
| Orientation | .8 | .8 | 35 | 1 | | | | | | Lecture | .5 | .5 | 30 | 2 |
| Philosophy | | | | | Biol., Zool., Bact. | 2.6 | 2.6 | 60 | 2 | Lab. | .8 | .8 | 30 | 1 |
| Political Sci. | | | | | Lecture | | | | | Law Enforcement | | | | |
| Psychology | | | | | Lab. | | | | | Technical Draft. | | | | |
| Sociology | | | | | Anatomy, Physiol. | 3.0 | 3.0 | 30 | 4 | Shops | .5 | .5 | | |
| Other READING LAB | .1 | .1 | 20 | 1 | Lecture | .2 | .2 | 60 | | XXXXXXXXXX LECTURE | | | 24 | 2 |
| JOURNALISM | .1 | .1 | 20 | 1 | Lab. | | | | | Machine | | | 24 | 1 |
| Total: Soc.Sci. | 17.0 | 17.0 | 35 | 13 | | | | | | Metals | | | 20 | 1 |
| Total: Academic | 45.0 | 45.0 | 40 | 40 | Botany, Natr. Study. | .1 | .1 | 30 | | welding | | | 20 | 1 |
| Apprec., Hist., Theory | .6 | .6 | 40 | 1 | Lecture | | | | | XXXXXXXXXX PLUMBING | | | 20 | 1 |
| Drawing-Paint. | 3.4 | 3.4 | 18 | 4 | Lab. | | | | | Other CARPENTRY | | | 20 | 1 |
| Crafts | | | | | Physical Science | | | | | COSMETOLOGY | 1.2 | 1.2 | 50 | 2 |
| Photography | | | | | Lecture | | | | | Home Econ. | | | | |
| Lecture | .6 | .6 | 16 | 1 | Lab. | | | | | Lecture | .1 | .1 | 30 | 1 |
| Lab. | | | | | Geology | | | | | Lab. | .6 | .6 | 24 | 2 |
| Lecture | | | | | Lecture | | | | | Nursing | | | | |
| Hist., Theory, Appreciation | .9 | .9 | 35 | 2 | Lab. | | | | | R.N. Program | | | 35 | 1 |
| Choral | .3 | .3 | 80 | 1 | Astronomy & GEOLOGY | 1.5 | 1.5 | 25 | 1 | L.V.N. Program | | | 30 | 1 |
| Instrumental | .6 | .6 | 60 | 1 | Meteorology | 2.7 | 2.7 | 50 | 1 | Dental Assnt. | 1.7 | 1.7 | 75 | 1 |
| Practice Grps. | | | | | Chemistry | 3.6 | 3.6 | 60 | 2 | XXXXXXXXXX LAB | | | | |
| Health Education | | | | | Lecture | 5.6 | 5.6 | 30 | 6 | Total Rooms Needed | | | | 118 |
| Hygiene | | | | | Physics | 2.7 | 2.7 | 50 | 2 | Large Lecture (Little Theatre) | | | | 3 |
| First Aid | | | | | Lecture | 1.2 | 1.2 | 25 | 3 | Standard Classrooms | | | | 64 |
| Coaching | | | | | Lab. | .6 | .6 | 35 | 1 | Special Classrooms & Shops | | | | 27 |
| | | | | | Strength of mat. | 3.1 | 3.1 | 30 | 4 | Laboratories | | | | 24 |
| | | | | | Stat. LAB | .7 | .7 | 60 | 1 | | | | | |
| | | | | | Engineering Drw. | | | | | | | | | |
| | | | | | Surveying | | | | | | | | | |

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ARTS

MUSIC

PHYSICAL EDUCATION

VOCATIONAL, TECHNICAL AND INDUSTRIAL

HOME EC. & NURSING

PHYSICAL SCIENCE

BUSINESS

LIFE SCIENCE

ENG.

NAME OF SCHOOL: SIERRA COLLEGE

Student Hours per Week 12.181

Enrollment: October 1959 684 (1,816 in 1970)

1959 ADA Total: 788

LOCATION:

(Exclude P.E. not in classroom)

(Students carrying 12 or more units from Cot. report)

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|-----------------------------|----------------------|--------|------------|----------|------------------------|----------------------|--------|------------|----------|------------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | | | 1959 | Future | | |
| English | 9.53 | 9.00 | 30 | 5 | Acct., Bkpgg. | 2.87 | 2.50 | 35 | 2 | Aero Grd. School | | | | |
| Drama-Speech | 3.09 | 3.00 | 25 | 2 | Typing, Shorthand | 4.69 | 4.69 | 40 | 2 | Aero Flt. Prog. | | | | |
| Foreign Language | 3.00 | 3.50 | 35 | 1 | Off. Trng. (Mach.) | 2.87 | 2.50 | 25 | 2 | Architectural Drafting | 1.1 | 1.1 | 36 | 1 |
| Mathematics | 7.47 | 7.00 | 40 | 3 | Business Eng. | .44 | .44 | | | Aviation Mechan. | | | | |
| Social Science | | | | | Law, Math., Etc. | 1.97 | 1.97 | 42 | 1 | Agriculture | .39 | .20 | 30 | 1 |
| Anthropology | | | | | Distrib. Educ. | | | | | Lecture | .22 | .10 | 30 | |
| Economics | 2.02 | 2.00 | | | Human Relations | | | | | Lab. | | | | |
| Geography | | | | | Marketing | .22 | .68 | 25 | 1 | Building Trades | | | | |
| History | 8.00 | 7.50 | | | Secs. INTRC 80 BUS | .89 | .89 | | | Electronics | | | | |
| Humanities | | | | | Work Experience | | | | | Lecture | .50 | | 32 | 1 |
| Orientation | | | | | | | | | | Lab. | 1.00 | | 16 | 1 |
| Philosophy | .66 | .66 | | | Biol., Zool., Bact. | | | | | Law Enforcement | | | | |
| Political Sci. | 1.35 | 1.25 | | | Lecture | 3.04 | 3.04 | 72 | 1 | Technical Draft. | | | | |
| Psychology | 3.85 | 3.85 | | | Lab. | 1.38 | 1.38 | 24 | 3 | Shops WOOD | | | 24 | 2 |
| Sociology | 1.65 | 1.55 | | | Anatomy, Physiol. | | | | | Automotive | | | | |
| Other | | | | | Lecture | .69 | .50 | | | Machine | | | 24 | 1 |
| Total: Soc. Sci. | 16.53 | 16.81 | 50 | 6 | Lab. | .96 | .75 | | | Metals | | | | |
| Total: "Academic" | | | | 17 | Botany, Natr. Study | .44 | .40 | | | welding | | | 24 | 1 |
| Apprec., Hist., Theory | .71 | 1.00 | 60 | | Lecture | 1.33 | 1.20 | | | Other MISC. | 2.45 | 5.00 | | |
| Drawing-Paint. Crafts | 3.35 | 3.50 | 24 | 3 | Physical Science | | | | | Home Econ. Lecture | 1.17 | 1.00 | 30 | 1 |
| Photography | | | | | Lab. | 1.35 | 1.35 | | | Lab. | | | 20 | |
| Lecture | | | | | Geology | | | | | Nursing | | | | |
| Lab. | | | | | Lecture | 1.90 | 2.00 | 100 | | R.N. Program | | | | |
| Lecture | | | | | Lab. | | | | | L.V.N. Program | | | 15 | |
| Hist., Theory, Appreciation | .53 | .53 | 60 | 1 | Astronomy | | | | | Dental Asst. | | | | |
| Choral | 1.32 | 1.00 | 50 | 1 | Meteorology | | | | | Mfg. Asst. | | | | |
| Instrumental | | | | | Chemistry | | | | | | | | | |
| Practice Grps. | | | | | Lecture | 2.41 | 2.25 | 72 | 1 | | | | | |
| Health Education | | | | | Lab. | 5.27 | 5.00 | 24 | 4 | | | | | |
| Hygiene | 3.84 | 3.84 | 50 | 2 | Physics | | | | | | | | | |
| First Aid | | | | | Lecture | 1.50 | 1.40 | 72 | 1 | | | | | |
| Coaching | .53 | .53 | 50 | | Lab. | .79 | .70 | 24 | 1 | | | | | |
| | | | | | Strength of Mat. Stat. | | | 40 | 1 | | | | | |
| | | | | | Engineering Drw. | 2.6 | 2.6 | 24 | 2 | | | | | |
| | | | | | Surveying | 2.5 | 2.5 | 24 | 2 | | | | | |
| READING LAB | 2.40 | 2.00 | 25 | 1 | | | | | | | | | | |
| JOURNALISM | .45 | .45 | 30 | 1 | | | | | | | | | | |

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ART

MUSIC

PHYSICAL EDUCATION

VOCATIONAL, TECHNICAL AND INDUSTRIAL

HOME EC. & NURSING

Total Rooms Needed
Large Lecture (Little Theatre)
Standard Classrooms
Special Classrooms & Shops
Laboratories

READING LAB 2.40 2.00 25 1
JOURNALISM .45 .45 30 1



NAME OF SCHOOL: STOCKTON COLLEGE
 Student Hours per Week 35.575
 Enrollment: October 1959 1,478 (2,550 IN 1970)
 1959 ADA Total: 2,660
 (Students carrying 12 or more units from Oct. report)
 Point: 431

LOCATION: STOCKTON, CALIFORNIA
 (Exclude P.L. not in classroom)

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|------------------------|----------------------|--------|------------|----------|---------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| English | 11.65 | 14.00 | 30 | 11 | Acct., Bkkg. | 1.92 | 1.90 | 35 | 1 |
| Drama-Speech | 2.97 | 2.75 | 25 | 3 | Typing, Shorthand | 4.54 | 4.00 | 40 | 3 |
| Foreign Language | 3.28 | 3.50 | 35 | 3 | Off. Trng. (Mach.) | 1.01 | 1.00 | 30 | 1 |
| Mathematics | 4.88 | 4.50 | 35 | 3 | Business Eng. | | | 35 | 2 |
| Social Science | | | | | Law, Math., Etc. | 2.71 | 2.60 | 35 | 1 |
| Anthropology | | | | | Distrib. Educ. | | | 40 | 1 |
| Economics | | | | | Data Process. | | | | |
| Geography | | | | | Human Relations | | | | |
| History | | | | | Marketing | | | | |
| Humanities | | | | | Sales | | | | |
| Orientation | | | | | Work Experience | | | | |
| Philosophy | | | | | ALL LIFE SCIENCE | 8.56 | 8.56 | 100 | 1 LL |
| Political Sci. | | | | | Biol., Zool., Bact. | | | 32 | 7 |
| Psychology | | | | | Lecture | | | | |
| Sociology | | | | | Lab. | | | | |
| Other | | | | | Anatomy, Physiol. | | | | |
| Total: Soc. Sci. | 17.91 | 16.00 | 100 | 3 LL | Lecture | .44 | .40 | | |
| Total: "Academic" | | | | 27 | Lab. | | | | |
| Apprec., Hist., Theory | .88 | .88 | 100 | | Physical Science | .62 | .50 | | |
| Drawing-Paint. | 4.50 | 4.50 | 30 | 5 | Lecture | | | | |
| Crafts | | | | | Lab. | | | | |
| Photography | | | | | Geology & ASTRONOMY | .21 | .25 | 100 | 1 LL |
| Lecture | | | | | Lecture | .61 | .60 | 32 | 1 |
| Lab. | | | | | Lab. | | | | |
| Lecture | 1.20 | 1.20 | 35 | 1 | Astronomy | | | | |
| Hist., Theory, | | | | | Meteorology | 2.04 | 2.25 | 100 | 1 LL |
| Appreciation | .99 | 1.00 | 60 | 1 | Chemistry | 4.40 | 4.50 | 32 | 4 |
| Choral | | | | | Lecture | .41 | .50 | 100 | 1 LL |
| Instrumental | .75 | .75 | 100 | 1 LL | Lab. | | | | |
| Practice Grps. | | | | | Physics | .41 | .50 | 32 | 1 |
| Health Education | 2.46 | 2.46 | 100 | 1 LL | Lecture | | | | |
| Hygiene | | | | | Lab. | | | | |
| First Aid | | | | | Strength of Mat. | 3.53 | 3.00 | 100 | 1 LL |
| Coaching | | | | | Stat. | 2.44 | 2.25 | 32 | 4 |
| | | | | | Engineering Drw. | .32 | .25 | 30 | 1 |
| | | | | | Surveying | | | | |
| READING LAB | 1.95 | 1.00 | 25 | 1 | | | | | |
| JOURNALISM | .40 | .35 | 20 | 1 | | | | | |

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ARTS

MUSIC

PHYSICAL EDUCATION

Department Courses: AVIATION SHOP, Aero Grd. School, Aero Flt. Prog., Architectural, Drafting, Aviation Mechan., Agriculture, Lecture, Lab., Building Trades, Electronics, Lecture, Lab., Law Enforcement, Technical Draft., Shops Wood, Automotive, Machine, Metals, Welding, ~~RECORDS PRINTING~~, Other CONSTRUCTION, COSMETOLOGY, Home Econ., ~~LABORATORY~~ LAB., Lab., Nursing, R.N. Program, L.V.N. Program, ~~LABORATORY LAB~~, Med. Asst., Total Rooms Needed 88, Large Lecture (Little Theatre) 10, Standard Classrooms 36, Special Classrooms & Shops Laboratories 22

* FULL TIME
 12 OR MORE UNITS

NAME OF SCHOOL: VENTURA CALIFORNIA
 Student Hours per Week 22.25
 Enrollment: October 1959 1,158 (2,250 in 1970)
 1959 ADA Total: 2,197
 (Students carrying 12 or more units from Oct. report)
 Unit: 597

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|------------------------|----------------------|--------|------------|----------|----------------------------|----------------------|--------|------------|----------|--------------------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | | | 1959 | Future | | |
| English | 11.6 | 11.6 | 30 | 7 | Acct., Bkpgs. | 2.3 | 2.3 | 35 | 1 | Aero Crd. School | | | | |
| Drama-Speech | 2.0 | 2.3 | 30 | 7 | Typing, Shorthand. | 5.9 | 5.9 | 40 | 3 | Aero Flt. Prog. | | | | |
| Foreign Language | 5.0 | 5.0 | 35 | 3 | Off. Trng. (Mach.) | .7 | .7 | 26 | 1 | Architectural Drafting | | | | |
| Mathematics | 9.6 | 9.6 | 35 | 5 | Business Eng. | | | | | Aviation Mechn. | | | | |
| Social Science | 15.7 | 15.7 | 45 | (6) 35 | Law, Math., Etc. | 1.7 | 1.7 | 45 | 1 | Agriculture | | | | |
| Anthropology | | | | | Distrib. Educ. | | | | | Lecture | 1.1 | 1.2 | 24 | 1 |
| Economics | | | | | Data Process. | | | | | Lab. | .8 | .9 | 24 | 1 |
| Geography | | | | | Human Relations | | | 45 | | Building Grades | | | | |
| History | | | | | Marketing | | | 30 | | Electronics | | | | |
| Humanities | | | | | WORK EXPERIENCE | | | | | Lecture | | | 28 | 1 |
| Orientation | 2.7 | 2.7 | 45 | 1 | Biol., Zool., Bact. | | | | | Lab. | | | | |
| Philosophy | | | | | Lecture | 4.2 | 4.2 | 50 | 2 | Law Enforcement | | | | |
| Political Sci. | | | | | Lab. | 2.3 | 2.3 | 27 | 2 | Technical Draft. | | | | |
| Psychology | | | | | Anatomy, Physiol. | .3 | .3 | | | Shops | | | | |
| Sociology | | | | | Lecture | .2 | .2 | | | Automotive | | | | |
| Other JOURN. | .3 | .3 | 30 | 1 | Lab. | | | | | Machine | | | 25 | 1 |
| READING LAB | .5 | 1.0 | 20 | 1 | Botany, Natr. Study. | | | | | Metals | | | | |
| Total: Soc. Sci. | 18.4 | 18.2 | 45 | 7 | Lecture | | | | | Welding | | | | |
| Total: "Academic" | | | | 23 | Lab. | | | | | Refrig. | | | | |
| Apprec., Hist., Theory | 1.0 | 1.0 | 45 | 1 | Physical Science | | | | | Other | | | | |
| Drawing-Paint. | 3.1 | 3.0 | 24 | 2 | Lecture | | | | | Home Econ. | | | | |
| Crafts | .8 | .8 | 24 | 1 | Lab. | | | | | Lecture | .9 | | 30 | |
| Photography | | | | | Geology | | | | | Lab. | .3 | 1.2 | 24 | 1 |
| Lecture | | | | | Lecture | | | | | Nursing | | | | |
| Lab. | | | | | Lab. | | | | | R.N. Program | | | | |
| Lecture | | | | | Astronomy | 1.3 | 1.3 | 45 | 1 | L.V.N. Program | 2.3 | 2.3 | 26 | 2 |
| Hist., Theory, | 1.6 | 1.6 | 40 | 1 | ASTRONOMY GEOL) | | | 10 | 1 | Dental Asst. | | | | |
| Appreciation | .4 | .4 | 30 | 1 | Chemistry | | | | | Med. Asst. | | | | |
| Choral | | | | | Lecture | | | | | Total Rooms Needed | | | | 69 |
| Instrumental | | | | | Lab. | | | | | Large Lecture (Little Theatre) | | | | |
| Practice Grps. | .4 | .4 | | 1 | Physics | 2.7 | 2.7 | 45 | 1 | Standard Classrooms | | | | 43 |
| Health Education | | | | | Lab. | 4.3 | 4.3 | 26 | 3 | Special Classrooms & Shops | | | | 14 |
| Hygiene | | | | | Lecture | 1.9 | 1.9 | 50 | 1 | Laboratories | | | | 12 |
| First Aid | | | | | Lab. | 1.3 | 1.3 | 24 | 1 | | | | | |
| Coaching | | | | | Strength of Mat. | | | | | | | | | |
| | | | | | Stat. | 3.1 | 3.1 | 45 | 1 | | | | | |
| | | | | | Engineering Drw. | 2.1 | 5.2 | 25 | 2 | | | | | |
| | | | | | Surveying | | | 20 | | | | | | |

USING NON-SPECIALIZED CLASSROOMS
 LIBERAL ARTS OR COURSES
 ART
 MUSIC
 PHYSICAL EDUCATION

VOCATIONAL, TECHNICAL AND INDUSTRIAL
 HOME EC. & NURSING

NAME OF SCHOOL: YUBA COLLEGE LOCATION: MARYSVILLE, CALIFORNIA

Student Hours per Week 16,700 (Exclude P.E. not in classroom)

Enrollment: October 1959 951 (1,500 in 1970) (Students carrying 12 or more units from Oct. report)

1959 ADA Total:

| Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. | Department Courses | %Curriculum Emphasis | | Class Size | No. Rms. |
|-----------------------------|----------------------|--------|------------|----------|--------------------------------|----------------------|--------|------------|----------|
| | 1959 | Future | | | | 1959 | Future | | |
| English | 11.8 | 11.8 | 25 | 5 | Aero Grd. School | | | | |
| Drama-Speech | .9 | .9 | 20 | 1 | Aero Ft. Prog. | | | | |
| Foreign Language | 1.7 | 1.7 | 28 | 1 | Architectural Drafting | | | | |
| Mathematics | 6.4 | 6.4 | 28 | 3 | Aviation Mechan. | | | | |
| Social Science | | | | | Agriculture Lecture | 1.30 | 1.30 | 24 | 1 |
| Anthropology | | | | | Lab. | 1.20 | 1.20 | 24 | 1 |
| Economics | 1.1 | 1.1 | | | Building Trades | | | | |
| Geography | .8 | 1.0 | | | Electronics Lecture | | | | |
| History | 3.8 | 3.8 | | | Lab. | | | | |
| Humanities | | | | | Law Enforcement | | | | |
| Orientation | | | | | Technical Draft. | | | | |
| Philosophy | 2.04 | 2.04 | | | Shops | | | | |
| Political Sci. | 4.6 | 4.4 | | | Automotive Machine | 1.38 | 1.38 | | 1 |
| Psychology | 4.4 | 4.4 | | | Metals | .60 | .60 | | |
| Sociology | 1.5 | 1.5 | 40 | 2 | Welding | | | | |
| Other ALL | | | 125 | 11 | Refrig. | .01 | .01 | | 1 |
| Total: Soc.Sci. | 18.24 | 18.24 | | | Other | | | | |
| Total: "Academic" | | | | | Home Econ. Lecture | 2.50 | 2.50 | 24 | 1 |
| Apprec., Hist., Theory | 2.9 | 2.3 | 60 | 1 | Lab. | .30 | .30 | 24 | 1 |
| Drawing-Paint. | 2.9 | 2.9 | 20 | 2 | Nursing | | | | |
| Crafts | | | 18 | | R.N. Program | | | | |
| Photography Lecture | | | | | L.V.N. Program | 5.86 | 5.86 | 24 | 1 |
| Lab. | | | | | Lab. Asst. | | | | |
| Lecture | | | | | Total Rooms Needed | | | | 47 |
| Hist., Theory, Appreciation | 1.6 | 1.6 | 60 | 1 | Large Lecture (Little Theatre) | | | | 2 |
| Choral | .9 | .9 | 40 | 1 | Standard Classrooms | | | | 20 |
| Instrumental | | | | | Special Classrooms & Shops | | | | 14 |
| Practice Grps. | .4 | .4 | 30 | 1 | Laboratories | | | | 11 |
| Health Education | OMITTED | | | | | | | | |
| Hygiene | OMITTED | | | | | | | | |
| First Aid | | | | | | | | | |
| Coaching | | | | | | | | | |

LIBERAL ARTS OR COURSES USING NON-SPECIALIZED CLASSROOMS

ART

MUSIC

PHYSICAL EDUCATION

READING LAB JOURNALISM

CHAPTER IV

I. NORMATIVE FINDINGS

- A. Enrollment. The word "enrollment" as used in this study is the number of students enrolled (at each junior college) carrying 12 or more units of work as reported to the California State Department of Education on the "October (statistical) Report." This excludes all part-time students, all "adult" students and all students enrolled in "classes for adults". In comparing these enrollment figures with the usual use of the term it will be found to be about 30-35% less than the figure usually quoted. For example, one typical junior college which usually indicates to the press that it has a day time enrollment of 1750, reported to the state that its "full-time enrollment" was 1331. This ratio is fairly typical of the schools in this study and should be borne in mind in comparing these figures with other studies which give a definite number of rooms needed for a stated enrollment.
1. Full time student enrollment for October 1959:
Mean for 17 schools, 1548
 2. Full time enrollment, estimated for 1970:
Mean, 3012
Indicating an anticipated growth of 94.9% between 1959 and 1970 for the 17 junior colleges studied.
- B. A.D.A. or Average Daily Attendance.
This is legally defined in the California State Education Code, 1959 edition, section 11451. It is generally computed for California

Junior colleges by multiplying the total number of students times the number of hours attended, divided by 525.

| | | | | | | |
|---------------------------------------|-------------|----------------------|---|---|---|---|
| Total A.D.A. (including Adult A.D.A.) | <u>2850</u> | Mean for all schools | | | | |
| Adult A.D.A. | <u>637</u> | " | " | " | " | " |
| Total less Adults | <u>2213</u> | " | " | " | " | " |

C. Students Hours per week

It is the opinion of the writer that more significant than "enrollment" or "A.D.A." in comparing schools is the figure used for student/hours/week. This figure represents the total number of students enrolled during the first week of October, times the number of class hours attended (between 8:00 a.m. and 5:00 p.m.) during one full school week. Since this study is primarily concerned with space needs for a given curriculum and specific enrollment, the figure for student/hours/week yields a more valid figure for use in comparing the 17 junior colleges studied.

Average Student Hours per Week for the schools studied:

32,406 student hours per week during October 1959.

D. Curriculum Emphasis

In Table I on the next page will be found the normative data for percentage curriculum emphasis. This was determined by dividing the total student hours per week in each course (or group of similar courses) by the total student hours per week. The data for each school appeared in Chapter III. Table I shows the arithmetic mean for each subject for all the schools studied. Several difficulties became apparent in attempting to achieve statistical

validity. For instance it was discovered that not all schools classified their courses under the same major headings. A course such as "Surveying" might appear as part of the lower division transfer engineering course at one institution but as part of the terminal or trade and industrial education at another junior college. The institutions own designations were respected in all cases where it was possible to do so, for although the two classes bore the same Title, obviously the subject matter, the degree of difficulty of the class, the standards for grading, etc. would probably differ as much as they ordinarily would for transfer and terminal courses.

Another problem was the determination of the norm for each subject. There was no problem in regard to courses that were common to each school. It was only necessary to total all the individual percentages for this course at each school and divide by 17. (The total number of schools involved in the study.) However, in a subject such as Aeronautics, which was found at only five schools, if the total is divided by 5 we arrive at the average percentage curriculum emphasis for these schools only. Because of the tremendous diversification of terminal, trade and industrial courses found at the junior colleges (each one attempting to meet the needs of the local industries in their communities) if this procedure were used our totals would be in excess of 100%. Therefore all subject areas were in each case divided by 17 so that the percentage indicated for each course in Table I is representative

of a "composite" school offering all these classes. The "range" indicates the range only for those schools offering these classes. The low figure in each range is actually "0" except for the few courses common to all schools such as English, History, Mathematics, Business, etc.

Table I Curriculum Emphasis

AVERAGE PERCENTAGE OF STUDENT HOURS PER WEEK FOR EACH SUBJECT IN ALL SCHOOLS

| DEPARTMENT COURSES | 1959 | 1970 | 1959 RANGE | 1970 RANGE | DEPARTMENT COURSES | 1959 | 1970 | 1959 RANGE | 1970 RANGE | DEPARTMENT COURSES | 1959 | 1970 | 1959 RANGE | 1970 RANGE |
|----------------------------------|-------|-------|-------------|------------|-----------------------------------|-------|-------|------------|------------|--------------------|------|-------|------------|------------|
| ENGLISH | 11.20 | 11.24 | 6.5-14.6 | 6.5-14.6 | BUSINESS (GEN.) | .14 | .14 | 2.05-2.05 | 2.33-2.33 | AERO. GRD. SCHOOL | .98 | 1.40 | .43-8.17 | .60-8.17 |
| DRAMA-SPEECH | 2.04 | 2.09 | .90-3.37 | 1.2-3.7 | ACCT.-BKPG. | 2.26 | 2.43 | 1.00-3.21 | 1.00-3.85 | LAB | .17 | .17 | .80-2.10 | .80-2.10 |
| FOREIGN LANGUAGE | 3.23 | 3.51 | 1.30-6.01 | .95-5.78 | TP.-SHORTHAND | 4.60 | 4.02 | 2.00-5.26 | 2.00-5.90 | ARCHITECTURAL | | | | |
| MATHEMATICS | 7.79 | 7.34 | 3.40-13.3 | 3.7-11.0 | OFF. TRNG. (MACH.) | 1.54 | 1.68 | .34-3.91 | .34-3.31 | DRAFTING | .51 | .43 | .20-3.59 | .20-2.10 |
| SOCIAL SCIENCE | 3.54 | 3.58 | 1.46-15.7 | 10.54-15.7 | BUS. ENGLISH | .13 | .13 | .30-1.09 | .30-1.09 | LAB | .09 | .10 | 1.50-1.50 | 1.70-1.70 |
| ANTHROPOLOGY | .79 | .75 | .80-1.93 | .80-1.50 | LAW, MATH | 1.79 | 1.81 | .46-4.00 | .46-4.00 | AGRICULTURE - LEC. | .33 | .31 | .10-1.30 | .10-1.30 |
| ECONOMICS | .63 | .61 | .85-2.02 | .85-2.02 | DISTRIB. EDUC | .16 | .15 | 2.71- | 2.60- | LAB | .34 | .33 | .80-1.94 | .60-1.94 |
| GEOGRAPHY | .40 | .46 | .75-1.10 | .75-1.20 | ADVERTISING | .02 | .02 | .92-.92 | .92-.92 | BUILDING TRADES | .22 | .19 | .20-1.42 | 1.42-1.75 |
| HISTORY | 3.82 | 3.78 | 1.03-9.70 | 1.11-9.70 | DATA PROCESS. | .21 | .22 | .80-2.71 | .40-2.60 | BROADCAST | .01 | .01 | .08-.08 | .08-.08 |
| HUMANITIES | .04 | .06 | .60 | 1.00 | HUMAN RELATIONS | .01 | .01 | .20-.20 | .20-.20 | COSMETOLOGY | .19 | .19 | 3.20-3.20 | 3.20-3.20 |
| ORIENTATION | .78 | 1.00 | .42-6.30 | .80-6.70 | INTRO. TO BUS. | .14 | .14 | .84-1.50 | .89-1.50 | INDUSTRIAL MATH | .03 | .03 | .50-.50 | .50-.50 |
| PHILOSOPHY | .89 | .91 | .60-5.88 | .60-5.88 | MARKETING | .59 | .65 | .20-2.00 | .20-2.00 | ELECTRONICS - LEC. | .81 | 1.13 | .40-4.00 | .40-6.60 |
| POLITICAL SCI. | .87 | .83 | .37-4.60 | .40-4.40 | SALES | .10 | .09 | .16-1.00 | .16-.90 | LAB | .97 | 1.25 | .43-4.92 | .80-4.92 |
| PSYCHOLOGY | 2.75 | 2.73 | 2.11-8.59 | 2.00-8.59 | WORK EXPERIENCE | .02 | .02 | .40-.40 | .40-.40 | INDUSTRIAL SCIENCE | | | | |
| SOCIOLOGY | .77 | .74 | .55-1.75 | .35-1.62 | I.B.M. | .03 | .03 | .50-.50 | .50-.50 | LECTURE | .01 | .01 | .10-.10 | .10-.10 |
| OTHER: EDUCATION | .12 | .12 | .20-1.00 | .20-1.00 | TOTAL | 11.14 | 11.54 | | | LAB | .07 | .07 | 1.20-1.20 | 1.20-1.20 |
| JOURNALISM | .32 | .36 | .32-1.30 | .20-1.90 | BIOLOGY, ZOOLOGY, BACTER. - LECT. | 2.63 | 2.72 | .70-8.56 | .70-8.58 | LAW ENFORCEMENT | .26 | .36 | .70-1.30 | .80-1.50 |
| READING LAB. | .61 | .58 | .10-2.40 | .10-2.00 | LAB. | 2.50 | 2.52 | 1.38-6.00 | 1.38-4.30 | TECHNICAL DRAFTING | .19 | .19 | 1.00-2.26 | 1.00-2.20 |
| THEATER ARTS | .59 | .59 | 1.00 | 1.00 | ANATOMY, PHYSIOLOGY - LECTURE | .39 | .40 | .12-1.20 | .12-1.20 | TECHNICAL MATH | .05 | .05 | .90-.90 | .90-.90 |
| TOTAL: SOC. SCI. | 15.28 | 15.45 | 12.64-25.68 | 15.15-24.4 | LAB. | .67 | .63 | .10-2.41 | .10-2.41 | PETROLEUM | .08 | .05 | .90-.90 | .70-.70 |
| TOTAL: "ACADEMIC" | 41.18 | 41.28 | 40.0-50.9 | 40.6-50.9 | BOTANY, NATURE-LECTURE | .22 | .23 | .10-1.20 | .10-1.20 | SHOPS | 1.67 | 1.08 | 1.30-15.0 | .50-5.80 |
| APPREC., HIST. THEORY | 1.44 | 1.42 | .40-2.70 | .40-2.58 | LAB. | .80 | .83 | .31-1.95 | .31-1.95 | AUTOMOTIVE | 1.62 | 1.25 | 1.30-4.49 | .81-4.49 |
| DRAWING-PAINTING | 2.36 | 2.31 | .10-7.80 | .10-5.60 | TOTAL | 7.21 | 7.33 | | | MACHINE | .34 | .33 | .33-1.40 | .33-1.40 |
| CRAFTS | .32 | .33 | .80-2.98 | .80-2.98 | PHYSICAL SCIENCE | | | | | METALS | .15 | .14 | .06-1.10 | .24-1.00 |
| PHOTOGRAPHY LECT. LAB | .01 | .01 | .06-.10 | .06-.10 | LECTURE | .69 | .59 | .50-2.30 | .50-1.40 | WELDING | .12 | .13 | .01-.50 | .01-.50 |
| TOTAL | 4.17 | 4.11 | .06-.60 | .06-.60 | LAB. | .11 | .15 | .27-.60 | .27-.77 | WOOD | .18 | .18 | .21-1.42 | .21-1.42 |
| LECTURE, HISTORY THEORY, APPREC. | 1.19 | 1.24 | .53-2.60 | .53-2.60 | GEOMETRY | | | | | SHOP LECTURE | .07 | .08 | 1.20-1.20 | 1.30-1.30 |
| CHORAL | .81 | .77 | .30-1.72 | .40-1.72 | LECTURE | 1.02 | 1.07 | .21-5.20 | .25-4.10 | OTHER | .25 | .56 | .08-2.45 | .10-5.00 |
| INSTRUMENTAL | .59 | .60 | .40-1.27 | .40-1.27 | LAB. | .11 | .15 | .27-.60 | .27-.77 | TOTAL | 9.69 | 10.02 | | |
| TOTAL | 2.59 | 2.58 | | | LECTURE | 1.02 | 1.07 | .21-5.20 | .25-4.10 | HOME ECONOMICS | | | | |
| HEALTH EDUCATION | 1.12 | 1.10 | .20-3.15 | .20-3.15 | LAB. | .30 | .20 | .10-1.70 | .10-1.70 | LECTURE | .90 | .92 | .10-3.20 | .10-4.80 |
| HYGIENE | .79 | .80 | 1.50-3.84 | 1.50-3.84 | ASTRONOMY | .21 | .29 | .20-1.50 | .20-1.50 | LAB | .43 | .56 | .16-1.69 | .30-1.60 |
| FIRST AID | .28 | .29 | .19-2.30 | .19-2.30 | METEOROLOGY | .20 | .20 | .62-2.70 | .62-2.70 | NURSING, R.N. | | | | |
| COACHING | .60 | .57 | .20-9.07 | .20-8.53 | CHEMISTRY - LECT. LAB. | 2.57 | 2.58 | .55-4.40 | 1.60-4.40 | LECTURE | .13 | .18 | .30-1.65 | .30-1.85 |
| RECREATION | .03 | .02 | .45-.45 | .35-.35 | LAB. | 4.17 | 4.11 | 1.28-5.55 | 1.88-5.60 | LAB | .02 | .02 | .30-.30 | .30-.30 |
| TOTAL | 2.82 | 2.78 | | | PHYSICS - LECTURE LAB. | 1.48 | 1.48 | .40-2.70 | .40-2.70 | L.V.N. PROGRAM | | | | |
| | | | | | LAB. | 1.13 | 1.10 | .40-3.50 | .40-3.00 | LECTURE | 2.78 | 2.06 | .50-11.2 | .50-10.2 |
| | | | | | STRENGTH OF MAT. STAT. | .72 | .70 | .30-3.53 | .20-3.10 | LAB | .96 | .76 | .06-14.2 | .60-8.70 |
| | | | | | ENGR. DRAWING | 2.52 | 2.53 | .90-5.60 | .70-5.60 | DENTAL ASSISTANT | .29 | .29 | .51-2.28 | 1.00-2.28 |
| | | | | | SURVEYING LAB. | .59 | .53 | .20-2.50 | .20-2.50 | NURSERY SCHOOL | .01 | .01 | .10-.10 | .10-.10 |
| | | | | | TOTAL | 3.85 | 3.79 | | | TOTAL | 5.52 | 4.80 | .78-28.6 | .29-23.7 |

*RANGE: THESE FIGURES SHOW THE HIGH AND LOW PERCENTAGES OF STUDENT HOURS PER WEEK FOR EACH COURSE OR DEPARTMENT ONLY IN THOSE SCHOOLS OFFERING THESE CLASSES. EXCEPT FOR ENGLISH, MATHEMATICS, HISTORY, FOREIGN LANGUAGE, ETC. (COMMON TO ALL SCHOOLS) THE LOW FIGURE FOR RANGE IN MOST CASES IS 0.

TABLE II

E. Class size as indicated in Table II is the average enrollment of each class as it existed in the instructor's roll-book as of the first week of October, or in the case of classes with limited enrollment, the limit for the class as indicated in the registration instructions for that institution.

To keep the figures for the class size in true perspective, it was decided to separate the large lecture classes from the normal or traditional sized classes. The average class size in conventional classes in history might be about 35 or 40 students. Some schools have started using large lecture halls seating 100 to 300 students for lecture classes. If we were to group these two together we might find that the average was somewhere between 70 to 80 students which is unrealistic. Therefore an arbitrary separation was made at 72 (a common class size found in many science lecture classes), and separate averages determined for all classes below 72 students and another average for all large lecture classes in excess of 72. Many schools having laboratories with 24, 25 or 30 student stations in each laboratory section will group 3, 4 or 5 laboratory sections to one lecture section. Therefore the large lecture section is usually a small multiple of the laboratory sections.

TABLE II

Class Size. AVERAGE SIZE OF CLASSES IN EACH COURSE IN ALL SCHOOLS.

Class size as reported during the first week of October, or 'limited' enrollment in 'limited' classes.

| Department Courses | Mean Size | Large Lect. (if any) | Range | Department Courses | Mean Size | Large Lect. | Range |
|-----------------------------|-----------|----------------------|--------|----------------------|-----------|-------------|--------|
| English | 31 | 100 | 20-100 | Navigation | 32 | | 32-32 |
| Drama-Speech | 27 | 79 | 15-79 | Aero Grnd. School | 29 | | 29-29 |
| Foreign Language | 32 | 40 | 25-40 | Work Experience | 35 | | 35-35 |
| Mathematics | 34 | 40 | 25-40 | Architectural | | | |
| Social Science | | | | Drafting (Lect.) | 30 | 100 | 24-100 |
| Anthropology | 37 | 120 | 30-140 | (Lab.) | 25 | | 24-25 |
| Economics | 36 | 40 | 35-40 | Agriculture | | | |
| Geography | 38 | 50 | 30-50 | Lecture | 34 | | 24-50 |
| History | 38 | 125 | 25-150 | Lab. | 25 | | 20-30 |
| Humanities | | | | Construction | 30 | | 30-30 |
| Orientation | 38 | 45 | 30-45 | Cosmology | 35 | | 35-35 |
| Philosophy | 35 | 50 | 25-50 | Broadcast | 15 | | 15-15 |
| Political Sci. | 40 | 150 | 35-150 | Electronics | | | |
| Psychology | 39 | 150 | 30-150 | Lecture | 37 | 75 | 24-100 |
| Sociology | 43 | | | Lab. | 25 | | 16-30 |
| Library Science | 32 | 45 | 20-45 | Law Enforcement | 34 | | 24-50 |
| Total: Social Sci. | | 100-400 | 35-400 | Technical Drafting | 30 | | 30-30 |
| Total: "Academic" | | | | Shops - Automotive | 25 | | 24-35 |
| Apprec., History, Theory | 43 | 100 | 18-100 | Carpentry | 20 | | 20-20 |
| Drawing-Painting | 25 | | 18-30 | Machine | 22 | | 15-30 |
| Crafts | 21 | | 18-25 | Metals | 22 | | 20-25 |
| Photography | | | | Welding | 23 | | 20-30 |
| Lecture | 23 | | 20-25 | Refrig. | 24 | | 24-24 |
| Lab. | 16 | | 16-16 | Wood | 24 | | 20-29 |
| Lecture | | | | Mining | 24 | | 24-24 |
| Hist., Theory, Appreciation | 37 | 163 | 16-300 | Plumbing | 20 | | 20-20 |
| Choral | 42 | 84 | 22-100 | Home Econ. - Lect. | 30 | | 24-35 |
| Instrumental | | | | Lab. | 25 | | 16-35 |
| Practice Grps. | 49 | 100 | 30-100 | Nursing - R.N. Prog. | 30 | | 15-35 |
| Health Education | 42 | | 30-65 | L.V.N. Program | 26 | | 25-75 |
| Hygiene | 40 | 118 | 35-150 | Dental Assistant | 41 | | |
| First Aid | 34 | 40 | 30-40 | Medical Assistant | | | |
| Coaching | 33 | | | | | | |
| Journalism | 22 | | | | | | |
| Reading Lab. | 25 | | | | | | |

F. Rooms Required to House the Programs Indicated by the Normative Data

In Table III an attempt has been made to show how many rooms will be required for each of the courses or departments shown in Tables I and II.

Using the average percentage curriculum emphasis for 1970, (from Table I) and the average class size (as indicated by Table II) these figures for each course were then processed by the procedure found in Form D of the Space Adequacy Survey-College.

In rounding off the figures to whole numbers an attempt to combine classes that could use the same rooms was used as would normally be done in the administrative conferences required by the procedures of the Space Adequacy Survey-College.

Table III, # of rooms.

NUMBER OF ROOMS NEEDED TO HOUSE THE PROGRAM INDICATED BY USING NORMATIVE CURRICULUM EMPHASIS (FROM TABLE ONE) AND THE NORMAL CLASS SIZE (FROM TABLE TWO) AS PREDICTED BY USING FORM D OF THE SPACE ADEQUACY SURVEY-COLLEGE.

| DEPARTMENT OR COURSE | PERCENTAGE OF CURRICULUM | STUDENT HOURS PER WEEK | CLASS SIZE (LARGE LECTURE) IF ANY (IN PARENTHESIS) | CLASS GROUPS PER WEEK | COMPUTED TEACHING SPACE NEEDS | ADJUSTED TEACHING SPACES |
|--|--------------------------|------------------------|--|-----------------------|-------------------------------|--------------------------|
| ENGLISH | 11.24 | 7112 | 31 | 229 | 8.19 | 8 |
| DRAMA-SPEECH | 2.09 | 1328 | 27 (LL 79) | 49.1 | 1.75 | 2 (1 LITTLE THEAT) |
| FOREIGN LANGUAGE | 3.51 | 2214 | 32 | 69.1 | 2.96 | 3 |
| MATHEMATICS | 7.79 | 4920 | 34 | 144.8 | 5.16 | 5 |
| SOCIAL SCIENCE | 3.58 | 2279 | 38 | 59.7 | 2.13 | 3 |
| ANTHROPOLOGY | .75 | 474 | 37 (120) | 12.8 | .46 | |
| ECONOMICS | .61 | 385 | 38 | 10.4 | .37 | 2 |
| GEOGRAPHY | .46 | 290 | 38 | 7.63 | .27 | |
| HISTORY | 3.78 | 2385 | 38 (125) | 62.8 | 2.24 | 3 |
| HUMANITIES | .06 | 37.9 | 50 | .76 | .027 | |
| ORIENTATION | 1.00 | 631.8 | 38 | 16.6 | .59 | 2 |
| POLITICAL SCI. | .83 | 525 | 40 (150) | 13.2 | .47 | 1 LL |
| PSYCHOLOGY | 2.73 | 1724 | 39 (150) | 44.3 | 1.58 | 2 |
| SOCIOLOGY | .74 | 467 | 43 | 10.85 | .39 | |
| TOTAL SOCIAL SCIENCES | 15.37 | | (128) | | | 28 + 1 LT 1 LL |
| ART (LECTURE) | 1.42 | 897 | 43 (100) | 20.9 | .75 | 1 |
| DRAW., PAINT. | 2.31 | 1465 | 25 | 58.6 | 2.39 | 3 |
| CRAFTS | .32 | 202 | 21 | 9.6 | .39 | 1 |
| PHOTO LECTURE | .10 | 63.1 | 29 | 2.7 | .09 | |
| LAB. | .39 | 24.6 | 16 | 1.5 | .06 | 1 |
| LIFE SCIENCE | | | | | | |
| BIOLOGY, ZOOLOGY BACTERIOLOGY, ETC. | | | | | | |
| LECTURE | 2.72 | 1720 | 47 (84) | 36.5 | 1.31 | 1 LL |
| LABORATORY | 2.52 | 1590 | 28 | 56.8 | 2.32 | 2 |
| ANATOMY, PHYSIOLOGY | | | | | | |
| LECTURE | .40 | 259 | 43 (77) | 5.9 | .21 | - |
| LABORATORY | .63 | 398 | 27 | 14.7 | .60 | 1 |
| BOTANY, NATURE STUDY - LECTURE | .23 | 145 | 33 (72) | 4.4 | .16 | - |
| LABORATORY | .83 | 524 | 27 | 19.3 | .79 | 1 |
| PHYSICAL SCIENCE LEC | .59 | 372 | 86 (86) | 4.5 | .16 | - |
| LABORATORY | .15 | 95 | 28 | 3.4 | .14 | - |
| GEOLOGY - LECTURE | 1.07 | 676 | 49 | 13.7 | .49 | 1 |
| LAB. | .20 | 126 | 26 | 4.9 | .17 | - |
| ASTRONOMY | .29 | 183 | 38 (100) | 4.8 | .17 | PLANATARIUM |
| METEOROLOGY | .20 | 126 | 30 | 4.2 | .15 | - |
| CHEMISTRY - LECT. | 2.58 | 1690 | 36 (86) | 45.2 | 1.62 | 1 - 1 LL |
| LABORATORY | 4.11 | 2600 | 27 | 96.2 | 3.92 | 4 |
| PHYSICS - LECT. | 1.48 | 925 | 43 (83) | 21.5 | .77 | 1 |
| LABORATORY | 1.10 | 695 | 24 | 28.9 | 1.18 | 2 |
| ENGINEERING | | | | | | |
| LECTURE | .70 | 443 | 34 (85) | 13.0 | .46 | 1 LL |
| DRAWING | 2.53 | 1599 | 28 | 57.0 | 2.32 | 3 |
| SURVEYING | .55 | 347 | 27 (75) | 12.7 | .52 | 1 |
| MUSIC - LECTURE | 1.21 | 765 | 37 (163) | 20.6 | .74 | 1 LL |
| CHORAL | .77 | 486 | 42 (84) | 11.6 | .47 | |
| INSTRUMENTAL | .60 | 378 | 49 100 | 7.6 | .31 | 1 |
| HEALTH EDUCATION | 1.12 | 709 | 42 | 16.9 | .60 | 1 LL |
| HYGIENE | .79 | 499 | 40 (118) | 12.4 | .45 | |
| FIRST AID | .28 | 177 | 34 | 3.8 | .14 | |
| COACHING | .60 | 380 | 33 | 11.5 | .41 | 1 |

TABLE III CONTINUED

| DEPARTMENT OR COURSE | PERCENTAGE OF CURRICULUM | STUDENT HOURS PER WEEK | CLASS SIZE (LARGE LECTURE) IF ANY (IN PARENTHESIS) | CLASS GROUPS PER WEEK | COMPUTED TEACHING SPACE NEEDS | ADJUSTED TEACHING SPACES |
|-------------------------------------|--------------------------|------------------------|--|-----------------------|-------------------------------|--------------------------|
| BUSINESS | | | | | | |
| GENERAL BUSINESS | .14 | 89 | 45 | 1.98 | .07 | - |
| ACCTS., BKPG. | 2.43 | 1533 | 34 | 45.20 | 1.62 | 2 |
| TYPING-SHORTHAND | 4.02 | 2569 | 49 | 59.80 | 2.14 | 3 |
| OFF. TRNG. (MACH.) | 1.68 | 1062 | 26 | 40.90 | 1.46 | 2 |
| BUS. ENGLISH | .13 | 82 | 40 | 2.05 | .07 | - |
| BUS. LAW - MATH. -ETC. | 1.81 | 1142 | 37 | 30.85 | 1.12 | 1 |
| DISTRIBUTIVE EDUCATION | | | | | | |
| DATA PROCESSING | .22 | 139 | 33 | 4.22 | .15 | |
| HUMAN RELATIONS | .01 | 63 | 40 | 1.58 | .05 | 1 |
| MARKETING | .65 | 410 | 37 | 11.09 | .39 | |
| SALES | .09 | 57 | 40 | 1.42 | .05 | |
| AERO GRD. SCHOOL | | | | | | |
| " " " LAB. | 1.40 | 886 | 29 | 30.55 | 1.09 | 11 |
| " " " LAB. | .17 | 107 | 29 | 3.69 | .15 | |
| ARCHITECTURAL | | | | | | |
| DRAFTING | .53 | 334 | 30 | 11.08 | .49 | 1 |
| AGRICULTURE - LECT. | | | | | | |
| " LABORATORY | .31 | 196 | 34 | 5.78 | .23 | |
| " LABORATORY | .33 | 208 | 25 | 8.32 | .33 | |
| BUILDING TRADES | | | | | | |
| COSMETOLOGY | .19 | 120 | 24 | 5.00 | .21 | |
| ELECTRONICS - LECT. | | | | | | |
| " LABORATORY | .19 | 120 | 35 | 3.42 | .14 | 1 |
| " LABORATORY | 1.13 | 715 | 37 | 19.30 | .69 | 1 |
| " LABORATORY | 1.25 | 790 | 25 | 31.55 | 1.31 | 2 |
| LAW ENFORCEMENT | | | | | | |
| " LABORATORY | .36 | 227 | 34 | 6.69 | .24 | 1 |
| SHOPS | | | | | | |
| GENERAL | 1.08 | 682 | 24 | 28.40 | 1.18 | 2 |
| AUTO | 1.25 | 715 | 25 | 28.60 | 1.19 | 1 |
| MACHINE | .33 | 208 | 22 | 9.45 | .33 | 1 |
| WELDING | .13 | 82 | 23 | 3.56 | .15 | |
| WOOD | .18 | 113 | 24 | 4.71 | .19 | |
| OTHER | 1.19 | 753 | 24 | 31.30 | 1.32 | 2 |
| (PETROLEUM, MINING BROADCAST, ETC.) | | | | | | |
| HOME ECONOMICS | | | | | | |
| LECTURE | .92 | 581 | 30 | 19.4 | .69 | 1 |
| LABORATORY | .56 | 354 | 25 | 14.2 | .59 | 1 |
| R.N. NURSING | | | | | | |
| LECTURE | .18 | 112 | 30 | 3.7 | .13 | - |
| LABORATORY | .02 | 13 | 26 | .5 | .02 | - |
| LVN NURSING | | | | | | |
| LECTURE | 2.06 | 1300 | 26 | 50.0 | 1.79 | 2 |
| LABORATORY | .76 | 480 | 26 | 18.4 | .77 | 1 |
| DENTAL ASSISTANT | | | | | | |
| " LABORATORY | .29 | 183 | 41 | 4.4 | .16 | 1 |
| READING LABORATORY | | | | | | |
| " LABORATORY | | | | | | 1 |
| JOURNALISM | | | | | | |
| " LABORATORY | | | | | | 1 |

| | |
|---------------|----|
| TOTAL | 88 |
| GENERAL | 42 |
| LARGE LECTURE | 7 |
| SPECIAL | 22 |
| LABORATORIES | 17 |

THE NUMBER OF ROOMS NEEDED TO HOUSE THE PROGRAM INDICATED BY NOMATIVE CURRICULUM EMPHASIS (FROM TABLE I) AND THE NOMATIVE CLASS SIZE (FROM TABLE II) AS PREDICTED BY USING FORM D OF THE SPACE ADEQUACY SURVEY-COLLEGE.

G. The Normative Junior College

The number of rooms required to house the normative junior college is shown in Table IV. These figures were derived by averaging the summaries for each school found in Chapter III. The number of rooms indicated as the average for all the schools studied is meaningful only if it is remembered that these figures apply to the average school or one having the average curriculum emphasis and average enrollment. Where special vocational, or trade and industrial classes are typical for a particular school, or where highly specialized programs exist, such as aircraft mechanics, then separate facilities will usually be found for these classes. Multiple use of such facilities is seldom found nor is it generally desirable. Obviously, this will increase costs and lower utilization of the plant. Yet the educational philosophy of the college which encourages such specialized courses, to meet community needs, will usually justify the additional expense involved. Students in these special programs also attend some elective courses and required liberal arts classes, thereby increasing the total ADA.

Table III differs from Table IV because of the methods used to arrive at the total rooms required. Table III is the result of applying the standard procedures of the Space Adequacy Survey-College to the normative data for curriculum emphasis and class size (from Tables I and II). Table IV is the arithmetic mean of the totals on each of the summary sheets from the 17 schools studied.

In arriving at the adjusted teaching spaces for Column 7 of Table III it was the writer's judgement that it would be better to use 6 large lecture halls and one little theatre, rather than only the four (including one little theatre) as found in Table IV. This reduced the total number of rooms needed from 94 to 88 and the general classrooms needed from 49 to 42.

TABLE IV

THE NORMATIVE JUNIOR COLLEGE

Normative data for all schools showing average enrollment, student hours per week and the number of rooms needed to house the normative curriculum as determined by numerically averaging the summaries from 17 California Junior Colleges.

- 1. Enrollment (full time) 1959-60.....1548
- 2. Enrollment (full time) 1969-70.....3012 (estimated)
- 3. Average daily attendance (incl. Adults).....2850 (1959-60)
- 4. Student hours per week.....32,406 (1959-60)
- 5. Student hours per week.....63,180 (1970 est.)

Total rooms needed 93.5 rooms

Divided as follows:

| | |
|-----------------------|------|
| Standard classrooms | 48.3 |
| Large Lecture Halls | 4.0 |
| Spec. Classrms, Shops | 22.0 |
| Laboratories | 19.2 |

2. OBSERVABLE TRENDS

A. In Class Size

A close look at Table II, page 50 will reveal that the most significant change for the future is the increased use of large lecture halls for classes in the social sciences. In classes such as Anthropology, History, Political Science and Psychology we find plans to use rooms seating 100 to 400 students. In one or two of the schools the plan is to have 2 lectures per week in large lecture halls and to have the third hour each week devoted to the same class divided into small quiz and discussion groups. Three schools are currently using large lecture halls for social sciences but only one of these divides the class into smaller groups on a scheduled basis. One school has a large lecture class in English Literature.

The planned use of large lecture halls for science classes is not new. Most schools combine a multiple of the laboratory sections to form each lecture class. The few schools still using the lab-lecture combined section plan to shift to the use of separate large lecture sections for the future.

The use of the large lecture hall for Music Appreciation, Hygiene, and some technical courses appears to be a new trend in junior colleges.

"Class size" for the balance of the curriculum shows no marked differences from current and past practices in junior colleges of California.

B. Curriculum Emphasis

The average percentage of student hours per week for each subject (as shown in Table I, page 48) expressed as a percentage of the total program, indicated the extent of emphasis of that particular course in the entire curriculum.

It is significant to note that no major changes in a junior college curriculum are indicated for the future. At some schools, as indicated in Chapter III, no changes were anticipated or there was no desire to hazard a prediction of changes in curriculum.

If we look at the division or departmental totals of Table I we find the greatest increase is anticipated in the area of Business courses which are expected to change from 11.14% to 11.54% of the total curriculum. The next highest rise in emphasis is indicated in the area of Vocational, Trade and Industrial Training which is expected to change from 9.69% to 10.02%.

Individual courses which show significant increases for the future are Foreign Languages (3.23 to 3.51), Accounting and Bookkeeping (2.26 to 2.43), Office Training and Machines (1.54 to 1.68), Biology, Bacteriology and Zoology (2.63 to 2.72), Aeronautics Ground School (.98 to 1.40), Electronics lectures (.81 to 1.13) and Electronics Lab (.97 to 1.25), Law Enforcement (.26 to .36) and R.N. Nursing Lecture (.13 to .18).

Because these figures are percentages, the total must still be 100%, regardless of the anticipated growth of the institutions.

Therefore we will find declines indicated for some departments and courses despite an anticipated increase in total enrollment. For example if the anticipated enrollment of a school is expected to be doubled, yet the total student hours per week in any one course is not quite doubled, then the percentage curriculum emphasis for that course will show a decline.

The divisions or departments that indicate slight declines for the future are Art (4.17 to 4.11), Physical Education (2.82 to 11.77) Engineering (3.86 to 3.79) and the LVN Nursing courses (3.74 to 2.82). The LVN nursing program shows a decline because the State requirements for the license now specifies fewer student hours for completion. The R.N. Nursing program for junior colleges has been changed from a three year program to a two year program but shows a slight increase due to the fact that several schools which had no R.N. program in the past plan to add one in the future.

Individual courses that show significant declines in student hours per week (expressed as a percentage of the total) are Mathematics (7.79 to 7.34), Physical Science (.63 to .59), Surveying (.59 to .53), Architectural Drafting (.51 to .43) and Automotive Shops (1.62 to 1.25).

In light of these figures one may speculate that perhaps the emphasis for the future will be slightly more on the terminal, vocational, trade and industrial classes and on the business training classes, and somewhat less on the transfer programs. This does not mean there will be fewer students in these programs

but that they will develop a smaller percentage of student hours per week. The planned growth of the State College System and the addition of several new campuses for the University of California may have been factors in influencing the results obtained.

C. Size of Plant

Although the junior colleges included in the study show an anticipated growth from 1548 to 3012 for full time students, there was no individual school that planned to go beyond the 4000 mark on any one campus. Most schools facing markedly increased enrollments plan to add additional campus facilities to handle the anticipated growth.

The trend toward specialization in the vocational fields calls for more shop facilities. The trend toward the use of large lecture halls shows there will be at least four to six of these at the average junior college.

The total plant for an enrollment of 3012 full time students will have 93.5 rooms divided into 48.3 general classrooms, 4 large lecture halls, 22 special classrooms and shops and 19.2 laboratories, as determined by averaging the summary sheets for each of the seventeen schools in the study.

APPENDIX

Actual samples of Forms A,B,C,and D of the
Space Adequacy Survey- College as used in
the conduct of the study.

Department
Sub-Dept.
or Subject

Student-Hour Enrollment

April 14, 1960

Patterson and
Prepared by Portugal

(Use at least one line for each Instructor
Separate line for Lab Courses
Separate sheet for each Sub-Dept. or Subject)

| 1 Instructor (name) | 2 Course (name) | 3 Enrollments by hour & days per week* | | | | | | | | | 4 Total Enrol. Col.3 | 5 Number Classes | 6 Average Size (4 + 5) | 7 Student Hours Week** |
|---------------------------|-------------------------|---|-----------|------------|------------|------------|-----------|-----------|-----------|-----------|-------------------------------|------------------------|---------------------------------|---------------------------------|
| | | 1 8:00 | 2 9:00 | 3 10:00 | 4 11:00 | 5 12:00 | 6 1:00 | 7 2:00 | 8 3:00 | 9 4:00 | | | | |
| Morris | Account, Prin. (Lec) 1A | | 37-3 | | | | | | | | 37 | 1 | 37 | 111 |
| " | " (Lab) 1A | 26-2 | 26-2 | | 11-2 | 11-2 | | | | | 74 | 4 | 19 | 148 |
| Griggs | Applied Accounting 3A | 26-5 | | | | | | | | | 26 | 1 | 26 | 130 |
| Morris | " " 3A | | | 23-5 | | | | | | | 23 | 1 | 23 | 115 |
| Morris | Mathematics 6 | | | 34-3 | | | | | | | 34 | 1 | 34 | 102 |
| Henrie | Calculating Machines 7 | | | 24-3 | | | | | | | 24 | 1 | 24 | 72 |
| Crowe | " " 7 | | | | | 28-3 | | | | | 28 | 1 | 28 | 84 |
| Crowe | English Corresp. 10 | | | 19-3 | | | | | | | 19 | 1 | 19 | 57 |
| Miller | Typing 11A | 10-5 | 18-5 | | | | | | | | 28 | 2 | 14 | 140 |
| Griggs | Typing 11A | | | | | 19-5 | | | | | 19 | 1 | 19 | 95 |
| Griggs | Inter. Typing 12A | | | 34-5 | | | | | 37-5 | | 71 | 2 | 36 | 355 |
| Crowe | Office Practice 15A | 25-2 | 25-2 | | | | | | 12-2 | 12-2 | 74 | 4 | 19 | 148 |
| Prescott | Shorthand 20A | 25-5 | | | | | | | 16-5 | | 41 | 2 | 21 | 205 |
| Miller | " " 20A | | | | | | | | | 10-5 | 10 | 1 | 1 | 50 |
| Prescott | " " 21A | | 28-5 | | | | | | | | 28 | 1 | 28 | 140 |
| Prescott | Dictation 22A | | | | | | 11-5 | | | | 11 | 1 | 11 | 55 |
| Crowe | Office Practice 25A | | | | | | 11-2 | 11-2 | | | 22 | 2 | 11 | 44 |
| Crowe | " " 25B | | | | | | 2-2 | 2-2 | | | 4 | 2 | 2 | 8 |
| Crowe | " " 25C | | | | | | 5-2 | 5-2 | | | 10 | 2 | 5 | 20 |

Total Hour Enrollments 407 443 195 448 305 281 2079

(These totals should be transferred to Form B)



* Number of days class meets per week shown after dash line.

** Enrollment for class multiplied by number of hours class meets per week.

53,225
Grand Total Student Hours per Week-Col. 7, Form A

Prepared by A.M. Calvert
E.J. Portugal

| Department: Course | Enrollment by Departments (Column 3, Form A) | | | | | | | | | | 3 Student Hrs.per Week | 4 % Col. 3 is of Item I | 5 Col. 4 Percent- ages - adjusted by conference | 6 Computed Student Hours per Week (Col. 5 x Item 1) |
|--|--|-----------|---------|---------|---------|--------|--------|--------|--------|---------|---------------------------------|----------------------------------|--|--|
| | 1 8:00 | 2 9:00 | 3 10 | 4 11 | 5 12 | 6 1 | 7 2 | 8 3 | 9 4 | 10 5 | | | | |
| English Library Science | 455 | 1128 | 1096 | 861 | 853 | 821 | 549 | | | | 5763 | 10.82 | 10.17 | 5413 |
| Journalism | 14 | 12 | 6 | 129 | 52 | | 46 | 10 | 10 | | 279 | .01 .52 | .01 .52 | 279 |
| Reading Lab. | 56 | | | 32 | 46 | 16 | | | | | 150 | .28 | .28 | 150 |
| Drama - Speech Education | 104 | 348 | 334 | 282 | 91 | 428 | 212 | | | | 1799 | 3.37 | 3.70 | 1969 |
| Foreign Lang. Statistics | 40 | 115 | 855 | 30 | 715 | 490 | | | | | 155 | .29 | .29 | 155 |
| Mathematics | 640 | 501 | 977 | 288 | 1116 | 661 | 545 | | | | 3201 | 6.01 | 5.78 | 3076 |
| | 1026 | 1069 | | | | | | | | | 30 | .05 | .05 | 30 |
| | | | | | | | | | | | 5982 | 11.23 | 9.23 | 4913 |
| Social Sciences: Psychology | 717 | 893 | 877 | 361 | 590 | 444 | 168 | | | | 4080 | 7.66 | 7.39 | 3933 |
| Economics | 123 | 207 | 69 | 114 | 135 | 60 | 60 | | | | 585 | 1.09 | 1.09 | 585 |
| Geography | 735 | 177 | 1401 | 120 | 129 | 722 | 414 | | | | 549 | 1.03 | 1.11 | 591 |
| History & Anthrop | 108 | 978 | 807 | 807 | 1044 | 722 | 81 | | | | 6101 | 11.46 | 10.54 | 5610 |
| Philosophy | 70 | 120 | 231 | 105 | 134 | 81 | | | | | 779 | 1.46 | 1.39 | 740 |
| Political Sci. | 70 | 160 | 64 | 60 | 123 | | | | | | 477 | .89 | .89 | 477 |
| Sociology | 144 | 249 | 132 | 219 | 123 | 99 | | | | | 936 | 1.75 | 1.61 | 857 |
| Appreciation, Hist, Theory | 260 | 324 | 304 | 86 | 472 | 58 | | | | | 1504 | 2.82 | 2.58 | 1373 |
| Crafts | 26 | | | 30 | | | | | | | 56 | .10 | .10 | 56 |
| Hist., Theory, Appreciation (Lecture Groups) | 108 | 369 | 78 | 72 | 94 | 78 | | | | | 799 | 1.50 | 1.38 | 735 |
| Choral | | | 3 | 50 | | 240 | | | | | 590 | 1.10 | 1.10 | 590 |
| Instrumental (Practice Groups) | | | 57 | | 174 | 54 | 111 | | | | 396 | .74 | .74 | 396 |



PERCENTAGE COMPARISONS - JUNIOR COLLEGE PROGRAMS

Form C - Space Adequacy Survey
Page 1 of 2

State Department of Education
Bureau of School Planning - 1958

| | "A" | | "B" | | "C" | | "D" | | "E" | | "F" | |
|------------------------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| | Actual | Adj. | Actual | Adj. | Actual | Adj. | Actual | Adj. | Actual | Adj. | Actual | Adj. |
| Junior College | 39,962 | | 23,394 | | 7,291 | | 5,491 | | 39,381 | | 6,414 | |
| Student Hrs. per week | | | | | | | | | | | | |
| English | 4.0 | | 9.7 | | 11.3 | 8.4 | 9.3 | 6.3 | 13.7 | | 12.3 | 11.8 |
| Reading Tech | 1.7 | | .5 | | .8 | .8 | -- | 1.0 | -- | | -- | .5 |
| Journalism Lab. | .6 | | .2 | | .7 | .7 | 1.9 | .7 | .4 | | .7 | .7 |
| Drama & Speech | 2.2 | | 2.0 | | 2.8 | 2.1 | 1.2 | 2.0 | 1.5 | | 1.4 | 2.0 |
| Foreign Lang. | 4.0 | | 4.2 | | 2.9 | 4.0 | 2.3 | 4.0 | 2.8 | | 3.1 | 3.0 |
| Mathematics | 6.4 | | 9.7 | | 13.7 | 11.0 | 3.7 | 9.0 | 10.0 | | 8.1 | 8.0 |
| Social Science | 22.2 | | 16.7 | | 15.9 | 16.0 | 13.1 | 17.0 | 14.4 | | 20.7 | 17.3 |
| Orientation | -- | | -- | | -- | -- | 6.7 | -- | 4.5 | | 1.1 | 1.1 |
| Subtotal | 41.1 | | 43.0 | | 48.1 | 43.0 | 38.2 | 40.0 | 47.3 | | 47.4 | 44.4 |
| Art | .7 | | .7 | | -- | .5 | 1.5 | .7 | .4 | | 1.0 | 1.0 |
| Appreciation, Theory | 1.7 | | 2.5 | | 1.3 | 1.5 | 5.6 | 2.3 | 2.1 | | 1.9 | 1.2 |
| Draw., Paint., & Crafts | 2.4 | | 3.2 | | 1.3 | 2.0 | 7.1 | 3.0 | 2.5 | | 2.9 | 2.2 |
| Subtotal | | | | | | | | | | | | |
| Music | .8 | | 1.9 | | .7 | .7 | .6 | 1.0 | .9 | | 1.4 | 1.4 |
| Hist., Theory, Appr. | 1.5 | | .6 | | 1.5 | 1.5 | .6 | 1.0 | 1.9 | | .5 | 1.2 |
| Choral & Instrumental | 2.3 | | 2.5 | | 2.2 | 2.2 | 1.2 | 2.0 | 2.8 | | 1.9 | 2.6 |
| Subtotal | | | | | | | | | | | | |
| Business | 1.1 | | 2.0 | | 2.3 | 2.6 | 2.6 | 2.6 | 2.4 | | 2.7 | 2.5 |
| Acct., Bookkeeping | 2.1 | | 3.0 | | 2.1 | 2.5 | 1.7 | 2.0 | 1.9 | | 1.1/ | 2.0 |
| Typing | .8 | | 2.6 | | 1.1 | 1.4 | 3.2 | 1.7 | 1.6 | | 1.7 | 1.0 |
| Of. Trng. (Mach.) | 4.3 | | .9 | | 1.6 | 1.7 | 1.9 | 1.9 | 2.3 | | 1.9 | 1.4 |
| Law, Math., etc. | 1.8 | | .2 | | -- | 1.5 | 1.1 | 1.1 | -- | | 1.2 | 1.0 |
| Distrib. Educ., Marketing | 1.3 | | 2.3 | | 1.2 | 1.2 | 3.6 | 1.7 | 1.4 | | .5 | 1.2 |
| Shorthand | 11.4 | | 11.0 | | 8.3 | 10.9 | 14.1 | 11.0 | 9.6 | | 9.1 | 9.1 |
| Subtotal | | | | | | | | | | | | |
| Home Ec. | 1.0 | | .7 | | -- | .5 | 1.3 | 1.0 | -- | | .2 | .6 |
| Lecture | .7 | | 1.3 | | -- | 1.0 | 3.5 | 1.5 | .5 | | .2 | .2 |
| Lab. | 1.7 | | 2.0 | | -- | 1.5 | 4.8 | 2.5 | .5 | | .4 | .8 |
| Subtotal | | | | | | | | | | | | |



1. Predicted Enrollment* 7000 1975
2. Present Enrollment* 2800
3. Predicted Increase 4200
4. Working Factor (Line 1 & Line 2) 2.5
5. Hours Available/wk. for Scheduling** 3.5

| 1 Department: Course | 2 Computed Student Hrs. per Wk. Col. 6, Form H | 3 Average Class Size (College Policy) | 4 Class Groups per Week Col. 2 & Col. 3 | 5 Class Groups per Week for Predicted En. Col. 4, Item 4 | 6 % Space Utilization (College Policy) | 7 Computed Teaching Space Needs: Col. 5 (Item 5xCol. 6) | 8 Teaching Space Needs Adjusted by Conference | 9 Adequate Teaching Spaces Available | 10 Additional Teaching Spaces Required |
|--------------------------------|--|---|---|--|--|---|---|--|--|
| English | 3240 | 35 | 92.6 | 231.5 | 80 | 8.26 | 8 | 3 | 5 |
| Reading Tech | 36 | 35 | 1.0 | 2.5 | 80 | .08 | 1 | 1 | 0 |
| Journalism Lab. | 154 | 35 | 4.4 | 11.0 | 80 | .39 | 1 | 1 | 0 |
| Drama | 1098 | 32 | 34.3 | 85.8 | 80 | 3.06 | 4 | 2 | 2 |
| Foreign Lang. | 2216 | 40 | 55.4 | 138.5 | 80 | 4.94 | 5 | 4 | 1 |
| Mathematics | 2895 | 35 | 82.7 | 206.8 | 80 | 7.38 | 8 | 7 | 1 |
| Social Science | 11914 | 50 | 238.3 | 595.8 | 80 | 21.27 | 22 | 12 | 10 |
| Police Science Orientation | | | | | | | 2 | 0 | 2 |
| Appreciation, Theory | 583 | 50 | 11.7 | 29.3 | 80 | 1.04 | 1 | 1 | 0 |
| Draw, Paint | 1113 | 20 | 55.6 | 139 | 80 | 4.96 | 5 | 5 | 0 |
| Graphic Photo | 30 | 20 | 1.5 | 3.8 | 80 | .13 | See Journalism | | |
| Hist., Theory, Appreciation | 705 | 40 | 17.6 | 44 | 80 | 1.57 | 2 | 2 | 0 |
| Choral | 389 | 100 | 3.9 | 9.8 | 80 | .35 | 1 | 1 | 0 |
| Instrumental | 390 | 30 | 13. | 33 | 80 | 1.17 | 1 | 1 | 0 |

* Day Students taking 12 or more units.
 ** Clock hours from start to finish of scheduling day - less 1.

