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ABSTRACT

Los Angeles Community College District projects an enrollment of 144,030 by 1979, an increase of 16.5 percent over the fall 1974 figure of 123,662. A 20.4 percent increase in evening enrollment is anticipated, compared to a 13.7 percent growth in day enrollment. Associated with expansion of the evening program are projected increases in the average age of students (30 years old by fall 1979) and the number of part-time students. Weekly Student Contact Hour (SWCH) increases are not expected to keep pace with enrollment gains because of the anticipated decline in individual student loads. Average daily attendance (ADA), the basis for District income, is expected to increase 13.6 percent in the next five years. ADA generated by defined adults (over 21, enrolled for fewer than 10 WSCH) is expected to grow 17.7 percent while ADA generated by others should grow 12.7 percent. Enrollment, WSCH, and ADA projections for the district are composite figures of the individual campus projections. These individual projections are reported, and factors related to the projected increases such as expanded programs and the establishment of two new permanent facilities are noted. (MJK)

LOS ANGELES COMMUNITY COLLEGE DISTRICT

1975-79 ENROLLMENT, WSCH, AND ADA PROJECTIONS

Research Report 75-03

May 1975

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OFFICE OF EDUCATIONAL RESEARCH AND ANALYSIS

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ABSTRACT

Total District enrollment, exclusive of Instructional Television, is expected to increase to 129,550 in Fall 1975 and to 144,030 by 1979. The latter figure represents a 16.5% increase over the record Fall 1974 figure of 123,662. The evening growth during the next five years (20.4%) is expected to exceed the day growth (13.7%). Associated with the projected increase in evening enrollment are increases in enrollment of part-time students and of students above traditional college age.

Factors related to the projected enrollment increases include increased Outreach classes throughout the District, continued recruiting efforts and expanded educational services by colleges, the establishment of a central site for Los Angeles Mission College, and the construction of permanent facilities at Los Angeles Southwest and at West Los Angeles Colleges.

Weekly student contact hours (WSCH) are expected to increase 15.8% during the next five years to a total of 1,550,900 by Fall 1979. As was the case with enrollment, evening WSCH growth is expected to exceed day growth. WSCH increases are not expected to keep pace with enrollment increases because of an anticipated decline in average WSCH per student throughout the District.

Average daily attendance (ADA), the driving force behind District income, is expected to increase 13.6% between 1974-75 and 1979-80 to a total of 90,815 by the latter date. ADA generated by defined adults is expected to grow 17.7% and ADA generated by other than adult students is expected to grow 12.7%.

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GLOSSARY

Average daily attendance (ADA) is a measure of attendance that is calculated from weekly student contact hours.* ADA is calculated differently for defined adult* than for other than adult* students. The significance of ADA is that it is the basis for most District income.

Day students are students who are taking one or more classes convening prior to 4:30 p.m.; the category thus includes students who are taking both day and evening classes.

Defined adult (DA) students are at least 21 years of age and enrolled for fewer than 10 weekly student contact hours* at census.

Enrollment is a "head-count" of the total number of students in a college or District; enrollment, unlike ADA, does not reflect the number of weekly student contact hours* for which students are enrolled.

Evening students are students who are enrolled exclusively in classes convening at 4:30 p.m. or later.

Least squares regression is a technique of mathematical curve-fitting used to extrapolate historical trends into the future.

Load or student load refers to the number of weekly student contact hours* per student.

Other than adult (OTA) students are all students other than defined adults.*

Participation rate refers to the number of enrolled students relative to general population.

Weekly student contact hours (WSCH) are derived by multiplying the number of dents enrolled in a class by the number of hours per week for which the class meets. A class with 10 students which meets three times a week would thus generate 3 x 10 or 30 WSCH.

* Indicates Glossary entry

DISTRICT PROJECTIONS

Total District enrollment, exclusive of Instructional Television,* is expected to increase 16.5% during the next five years to a total of 144,030 by Fall 1979. The increase in evening enrollment during the next five years (20.4%) is expected to exceed the increase in day enrollment (13.7%). Especially large growth is expected in evening enrollment for Fall 1975 because of expanded evening programs throughout the District and also because of an anomaly in City's Fall 1974 day enrollment that is more fully explained in that college's section.

Actual and projected day and evening enrollment from Fall 1970 to Fall 1979 is contained in Table 1 and is depicted graphically in Figure 1.

Associated with the anticipated growth in evening enrollment is an expected increase in the number of part-time students throughout the District. Part-time students (those enrolled for fewer than 12 units) comprised 61.8% of the District's total enrollment in Fall 1971; this figure had increased to 66.3% in Fall 1974 and is expected to continue to increase slightly during the next five years.

Associated with the projected increases in part-time and evening enrollment is an anticipated increase in enrollment of students above traditional college age. Students aged 30 and over comprised 24.9% of the District's total enrollment in Fall 1972; by 1974 the percentage had increased to 31.6%. The average age of District students increased from 26.6 to 27.7 between Fall 1973 and Fall 1974, and exceeded 28 for the first time in Spring 1975. If this trend were to continue, the average District student would be 30 years old in Fall 1979.

In short, the District enrollment picture during the next five years is for continued growth in evening and part-time enrollment and in enrollment of older students.

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* Projections were not produced for Instructional Television because ITV enrollment is directly determined by administrative and programmatic concerns impossible to forecast at this time.

TABLE 1

Actual and Projected Fall Enrolment

District Totals (Excluding Instructional Television)

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	82990	2.0	61040	2.0	144030	2.0
	1978	81380	2.2	59820	2.4	141200	2.3
	1977	79640	3.1	58440	3.2	138080	3.0
	1976	77220	3.2	56790	3.8	134010	3.4
	1975	74820	2.8	54730	7.6	129550	4.8
Actual	1974	72799	18.3	50863	10.9	123662	15.1
	1973	61562	3.5	45854	9.0	107416	5.8
	1972	59461	-0.7	42054	3.0	101515	0.8
	1971	59876	6.1	40816	0.2	100692	3.6
	1970	56433		40743		97176	

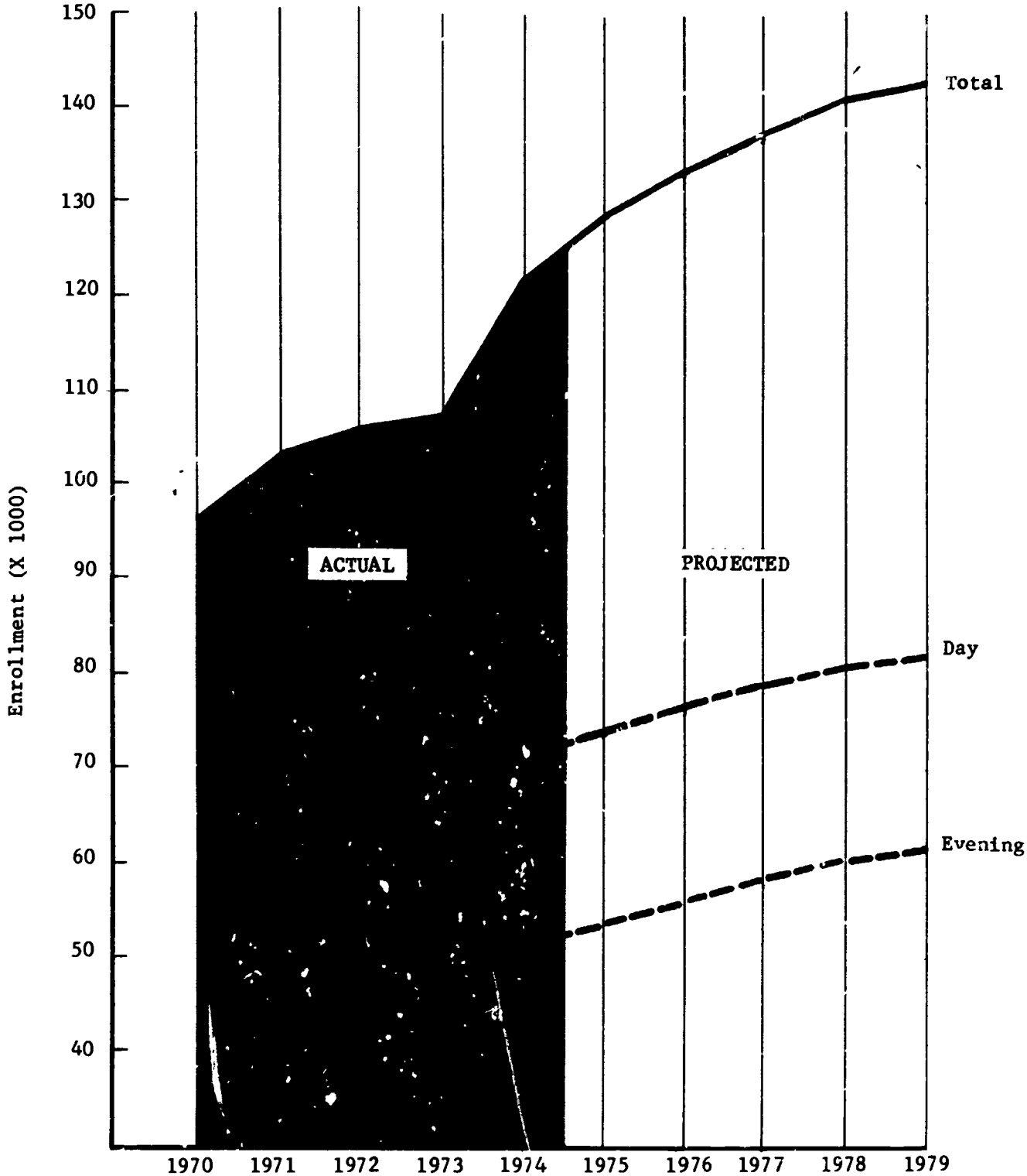

FIGURE 1

Actual and Projected Fall Enrollment
District Totals (Excluding Instructional Television)

Not surprisingly, projections of weekly student contact hours and average daily attendance are affected by this anticipated enrollment growth pattern. Part-time students by definition take fewer class hours than do full-time students. Consequently, student loads may be expected to continue somewhat their decline of the last several years. Day loads throughout the District declined from 14.39 to 12.36 between 1970 and 1974. Continued declines are to be expected in the next five years, though loads could stabilize during that period. Evening loads, which have increased from 7.61 in 1970 to 8.45 in 1974, may be expected to stabilize at approximately the 1974 level.

The weekly student contact hours (WSCH) resulting from the interaction of enrollment and student load are presented in Table 2 and depicted graphically in Figure 2. Total WSCH are projected to increase 15.8% between Fall 1974 and Fall 1979, with respective increases of 13.9% and 19.7% in day and evening WSCH. WSCH growth is not expected to keep pace with enrollment growth because day students, who are expected to have declining student loads, comprise the majority of LACCD students (58.9% in Fall 1974).

WSCH are the measure from which average daily attendance (ADA) is computed, and ADA is the driving force behind District income in terms of both state apportionment and local property taxes. Actual and projected yearly total ADA from 1970 to 1979 is shown in Table 3 and depicted graphically in Figure 3. (Yearly total ADA is the Fall-Spring average ADA added to the ADA of the preceding Summer.) Yearly total ADA is expected to increase 13.2% between 1974 and 1979. ADA generated by defined adult (DA) students (those at least 21 years of age who are enrolled for fewer than 10 WSCH) is expected to grow 17.0% and ADA generated by other than adult (OTA) students (all students other than DAs) is expected to grow 12.3%. Yearly total ADA growth is expected to lag slightly behind Fall WSCH growth for two reasons: (a) although Spring '1975 is an exception, Spring WSCH has historically been slightly lower than Fall WSCH, and (b) declining student loads are associated

with increases in defined adult students, who generate a slightly lower level of ADA per WSCH than do OTA students.

The methodology used to produce the enrollment, WSCH, and ADA projections is described in the next few pages. Individual college projections follow the Methodology section.

TABLE 2

Actual and Projected Fall WSCH

District Totals (Excluding Instructional Television)

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	1039800	1.8	511100	1.8	1550900	1.8
	1978	1021900	1.7	502000	2.1	1523900	1.9
	1977	1004400	2.4	491800	2.8	1496200	2.5
	1976	980900	2.6	478600	3.6	1459500	2.9
	1975	956100	5.1	462100	7.5	1418200	5.9
Actual	1974	910073	8.7	429736	11.7	1339809	9.6
	1973	837112	3.3	384825	13.3	1221937	6.3
	1972	810213	-2.8	339518	4.6	1149731	-0.7
	1971	833653	2.7	324	4.8	1158389	3.3
	1970	811919		309891		1121810	

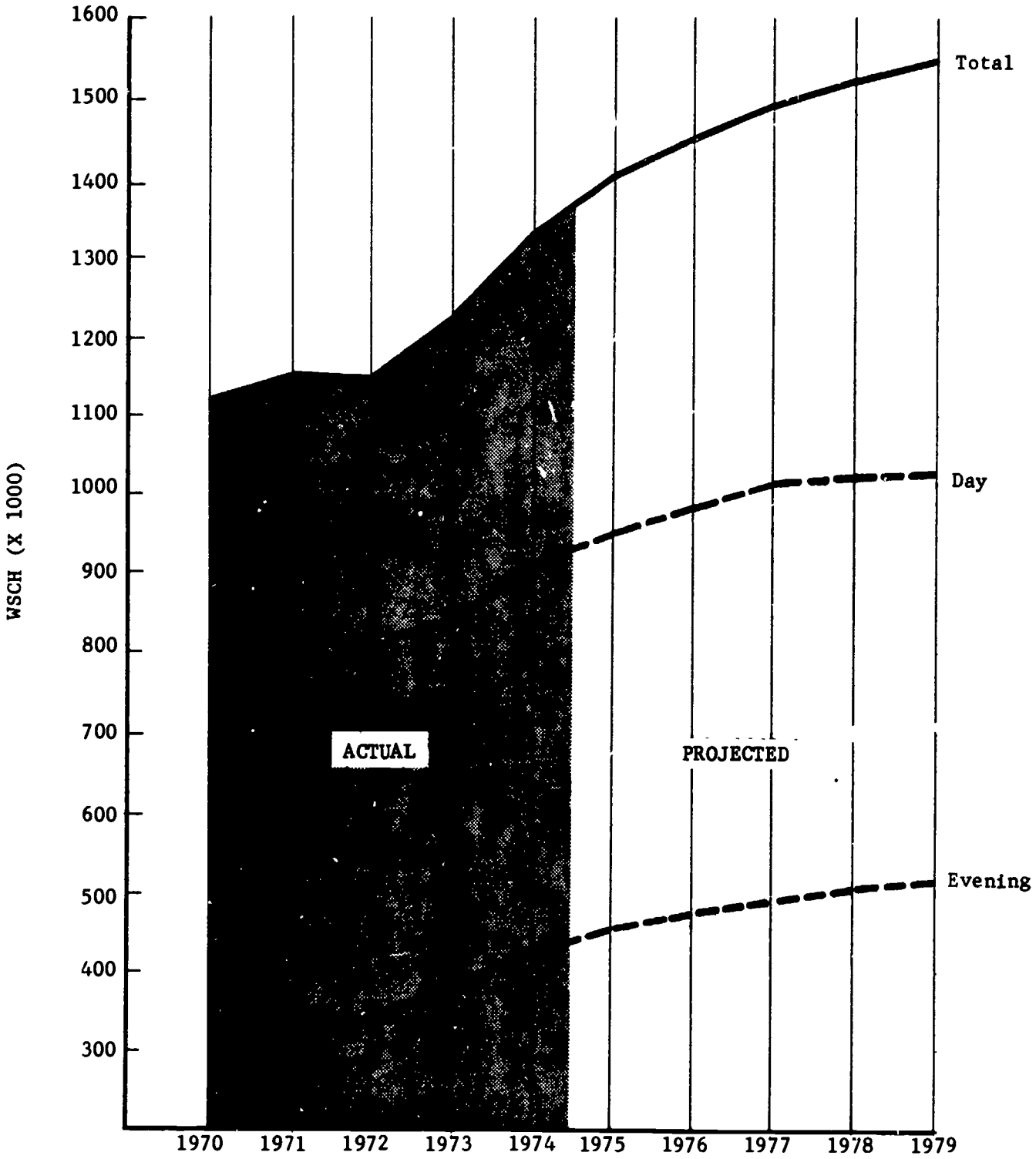

FIGURE 2

Actual and Projected Fall WSCH
District Totals (Excluding Instructional Television)

TABLE 3

Actual and Projected Yearly Total ADA

Distict Totals (Excluding Instructional Television)

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	72816	1.8	17999	2.1	90815	1.8
	1978-79	71544	1.9	17626	2.2	89170	1.9
	1977-78	70225	2.5	17241	2.3	87466	2.4
	1976-77	68543	2.7	16856	1.9	85399	2.6
	1975-76	66711	2.9	16542	7.5	83253	3.8
Actual	1974-75	64812	10.5	15389	36.2	80201	14.7
	1973-74	58653	5.8	11297	13.3	69950	6.9
	1972-73	55449	-0.3	9967	1.5	65416	-0.1
	1971-72	55630	1.8	9823	6.8	65453	2.6
	1970-71	54621		9199		63820	

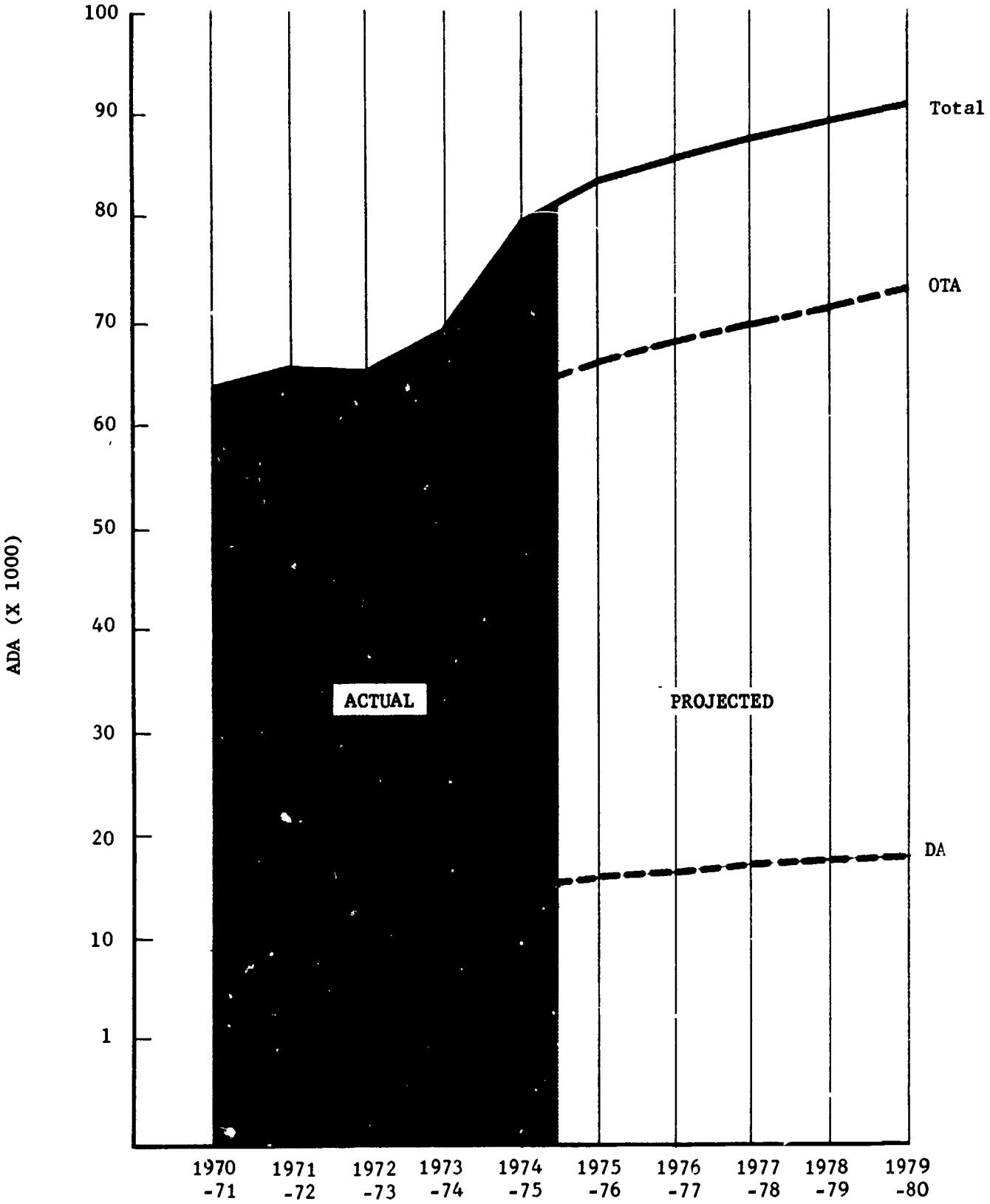

FIGURE 3
Actual and Projected Yearly Total ADA
District Totals (Excluding Instructional Television)

METHODOLOGY

Three steps were involved in producing the current projections. First, enrollment was projected using a weighted average technique to be described. Second, WSCH were projected by multiplying projected enrollment by projected student load. Third, ADA was projected using the latest available known ratio of ADA to WSCH. These three steps were performed separately for each college in the District, and the results were added to yield District totals. Projections were not produced for Instructional Television.

Enrollment Projection

The enrollment projection for each college was a weighted average of three separate projections. The first projection was provided by the college president in conjunction with his staff. Additional information was furnished by campus personnel concerning local factors they felt were relevant to their projections.

The second enrollment projection was produced by Educational Research and Analysis (ERA) using mathematical curve fitting, a common statistical technique (1). Least-squares regression techniques were used to mathematically "fit" a line through historical data, and this line was extrapolated into the future to yield enrollment projections. All projections produced by this technique were gradually "flattened" mathematically following the first year on the assumption that, as one proceeds further into the future, it becomes progressively less likely that a given trend will continue unchanged.

The third projecti . was produced by ERA using the estimated future ratio of students to the estimated future population surrounding each college. This ratio is known as a "participation rate." In calculating this rate it was first necessary to obtain information on projected population in the area surrounding each college. This information was obtained from the Los Angeles County Regional Planning Commission (2). Historical participation rates for each college were derived by

computing the ratio of students to general population between 1970 and 1974. These historical ratios were then projected into the future and multiplied by projected population to yield projected enrollment.

It sometimes occurs that the first year or two of projections lies considerably above or below the last actual data point. The latter situation was a potential problem in the present projections because of the sharp District enrollment increase in Fall 1974. To avoid this problem, and to give "face validity" to the projections, the weighted average technique just described was used only to produce the final year of projections (1979). Projections for intervening years (1975 through 1978) were produced by interpolation between 1974 and 1979. Interpolation was not used, however, when it was felt that major events might occur during the period that would materially affect enrollment, WSCH, or ADA. Examples of such events are establishment of a central campus site (Mission), construction of permanent facilities (Southwest and West), and alteration of interdistrict permit arrangements (West). This interpolation technique is described more fully in a recent publication of the United States Office of Education (3).

The three projections described above were combined to produce a single projection of total enrollment for each college from Fall 1975 through Fall 1979. The day-evening components of total enrollment were established in one of two ways as deemed appropriate: (a) using the average of past ratios (City, Harbor, Pierce, Southwest), or (b) using the Fall 1974 ratio (East, Mission, Trade-Tech, Valley, West). Since the day-evening projections involve additional assumptions, they are considered less valid than are the projections of total enrollment.

All enrollment projections were rounded to the nearest ten to further indicate their status as projections rather than as actual figures. Needless to say, all projections should be thought of as the midpoint of a range of projections extending above and below the actual figure. It would be more honest, though less acceptable in a budgetary or capital outlay planning sense, to project a given college's growth

as falling within a certain range.

WSCH Projection

WSCH projections were less complicated than were enrollment projections. It was first necessary to project future students loads (i.e., WSCH per student) for day and evening students at each college. This projection was produced in one of four ways according to the nature of the data: (a) as an average of historical data (Southwest evening load), (b) using the Fall 1974 load (East evening, City day and evening, Harbor evening, Southwest day, Trade-Tech day and evening, Valley day and evening and West evening loads), (c) as a projection of past data (East day, Harbor day, Pierce day and evening, and West day loads), (d) as an anticipated result of planned central campus formation (Mission day and evening loads).

Projected day and evening WSCH at each campus were added to yield total projected WSCH. This technique of combining day and evening quantities to produce a total is the opposite of the method employed with enrollment. All WSCH projections were rounded to the nearest 100.

If the first year or two of projected WSCH appeared overly divergent from the last actual figure, the interpolation technique previously described was used to ensure face validity.

ADA Projection

WSCH projections, as has been explained, were produced from the enrollment projections. ADA projections, in turn, were produced from the WSCH projections because this is the sequence of events that actually occurs in ADA computation. Since Fall WSCH projections had already been completed, the next step was to produce WSCH projections for future Spring and Summer terms. These projections were made by calculating the historical ratios of Summer and Spring WSCH to the WSCH of the intervening Fall, and applying the average ratios to the Fall projections. The result of the foregoing was a set of Summer, Fall, and Spring five-year projections of WSCH.

The latest available ratios of ADA to WSCH during a regular term (Fall 1974) and during a Summer term (Summer 1974) were used to derive Summer, Fall, and Spring ADA projections for each campus for the next five years. Separate ratios were calculated for regular and for apprenticeship ADA. Total ADA was then calculated for each year by adding the Fall-Spring average ADA to the ADA of the preceding Summer. The historical ratios of other than adult to total ADA at each campus were analyzed in partitioning total projected ADA into its other than adult and defined adult components.

ADA credit for short-term classes not crossing census was a computational change instituted during 1974-75. However, this change was ignored in the current projections for two reasons: (a) the bill involved (Assembly Bill 3268) expires in July 1976, and (b) short-term ADA appears to constitute less than 1% of total District ADA.

Assumptions

A certain number of assumptions underlie any projection of future events. College enrollments, clearly, are no exception. The current projections assume that no major changes will occur in District academic or admissions requirements, in selective service laws or procedures, in tuition and fees, in financial benefits such as loans and grants, and in interdistrict boundaries and permit zones. More specifically, the current projections assume that a central campus site will be available at Mission by Fall 1975, that anticipated permanent facilities will be constructed at Southwest and at West by Fall 1977, that planned Outreach enrollments will materialize at various colleges (most notably at East and at Harbor), and that ADA will continue to have approximately the same relationship to WSCH as in 1974-75. *

* Changes in the rules and methods for computing ADA occur irregularly and may cause year-to year fluctuations in the relationship between ADA and WSCH.

EAST LOS ANGELES COLLEGE

Enrollment at East Los Angeles College is expected to grow 17.8% during the next five years to a total of 19,830 by 1979 (Table 4). Although the population in the area served by East is expected to decline somewhat in the next five years, expanded Outreach classes along with new police and fire science programs are expected to favorably affect East's enrollment. Day-evening components of East's total projected enrollment were derived by using the actual Fall 1974 ratio of day to total enrollment.

WSCH are expected to increase 12.2% during the next five years to 203,000, with evening growth exceeding day (Table 5). As was the case with many colleges, WSCH growth is expected to lag behind enrollment growth because a significant number of East's additional students will be Outreach students, many of whom may be expected to take only one class.

Yearly total ADA is expected to increase 10.8% during the next five years to 11,900 (Table 6). Larger growth is anticipated in defined adult students than in other than adult students. ADA growth will lag behind WSCH growth because defined adult students generate less ADA per WSCH than do other than adult students.

TABLE 4

Actual and Projected Fall Enrollment

East Los Angeles College

		Day	% Ch	Evening	% Ch.	Total	% Ch.
Projected	1979	11,400	1.0	8,430	1.1	19,830	1.0
	1978	11,290	1.5	8,340	1.6	19,630	1.6
	1977	11,120	2.7	8,210	2.6	19,330	2.7
	1976	10,830	4.3	8,000	4.6	18,830	4.4
	1975	10,380	6.9	7,650	7.4	18,030	7.1
Actual	1974	9,709	22.6	7,124	-7.5	16,833	7.7
	1973	7,922	6.0	7,704	16.4	15,626	10.9
	1972	7,474	1.5	6,620	-0.9	14,094	0.4
	1971	7,362	7.2	6,680	-0.8	14,042	3.2
	1970	6,869	--	6,737	--	13,606	--

TABLE 5

Actual and Projected Fall WSCH

East Los Angeles College

		Day	% Ch	Evening	% Ch.	Total	% Ch.
Projected	1979	128,400	0.2	74,600	1.1	203,000	0.5
	1978	128,100	0.2	73,800	1.5	201,900	0.7
	1977	127,800	1.1	72,700	2.7	200,500	1.7
	1976	126,400	2.6	70,800	4.6	197,200	3.3
	1975	123,200	4.5	67,700	7.3	190,900	5.5
Actual	1974	117,880	21.0	63,068	-15.0	180,948	5.4
	1973	97,427	3.4	74,209	29.0	171,636	13.1
	1972	94,195	1.5	57,505	-1.2	151,700	0.5
	1971	92,784	2.9	58,177	5.7	150,961	3.9
	1970	90,189	--	55,051	---	145,240	--

TABLE 6

Actual and Projected Yearly Total ADA

East Los Angeles College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	9341	1.3	2559	2.4	11900	1.5
	1978-79	9224	1.3	2499	2.5	11723	1.5
	1977-78	9107	1.3	2439	2.5	11546	.6
	1976-77	8990	1.3	2379	2.6	11369	1.6
	1975-76	8873	3.5	2319	7.0	11192	4.2
Actual	1974-75	8569	5.8	2167	34.6	10736	10.6
	1973-74	8101	11.0	1610	17.2	9711	11.9
	1972-73	7301	5.5	1374	6.3	8675	5.7
	1971-72	6918	1.2	1293	3.9	8211	1.6
	1970-71	6833		1245		8078	

LOS ANGELES CITY COLLEGE

The population in the area surrounding Los Angeles City College is expected to decline somewhat during the next five years. However, City is expected to remain one of the District's two largest colleges by 1979 with a total of 23,300 students (Table 7).

The decline in City's enrollment projected for Fall 1975 results from a peculiarity in the Fall 1974 data. City reported that approximately 2,700 students were enrolled that term in a special Administration of Justice day program that was not expected to re-occur. It was thought best to exclude these students from the Fall 1974 figure in producing projections. Thus, despite the apparent decline in Fall 1975, City's "true" enrollment is expected to increase to 23,300 by 1979. The average ratio of day to total enrollment during the last five years was used to calculate the day-evening components of City's total projected enrollment.

The Administration of Justice program mentioned above also affected City's WSCH projections (Table 8). Since students in the program each took only one hour of class per week, City's Fall 1974 load figure was abnormally low. When day load was re-calculated to exclude the program, the figure increased from 11.14 to 13.27. Consequently, no decline is anticipated in projected WSCH for 1975. Total Fall WSCH is expected to increase 10.8% to a total of 267,700 by 1979.

Yearly total ADA is expected to increase 11.3% to a total of 15,723 by 1979-80 (Table 9). There is no reason at this time to anticipate differential growth for defined adult and for other than adult students.

TABLE 7

Actual and Projected Fall Enrollment

Los Angeles City College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	14,450	2.3	8,850	2.1	23,300	2.2
	1978	14,130	2.2	8,670	2.1	22,800	2.2
	1977	13,820	2.4	8,490	2.0	22,310	2.3
	1976	13,490	2.4	8,320	2.2	21,810	2.3
	1975	13,170	-15.3	8,140	2.3	21,310	-9.4
Actual	1974	15,556	31.3	7,958	8.4	23,514	22.6
	1973	11,847	-3.1	7,338	-0.8	19,185	-2.2
	1972	12,226	6.3	7,396	17.3	19,622	10.2
	1971	11,497	4.2	6,305	-10.3	17,802	-1.5
	1970	11,038		7,031		18,069	

TABLE 8

Actual and Projected Fall WSCH

Los Angeles City College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	191,800	2.0	75,900	2.0	267,700	2.0
	1978	188,100	2.0	74,400	2.1	262,500	2.0
	1977	184,400	2.0	72,900	2.2	257,300	2.1
	1976	180.700	2.1	71,300	2.1	252,000	2.1
	1975	177,000	2.1	69,800	2.2	246,800	2.2
Actual	1974	173,302	9.7	68,280	15.9	241,582	11.4
	1973	158,039	0.8	58,899	0.9	216,938	0.8
	1972	156,813	-3.8	58,401	18.6	215,214	1.4
	1971	162,943	-2.6	49,238	-0.1	212,181	-2.0
	1970	167,232	- -	49,277	- -	216,509	- -

TABLE 9

Actual and Projected Yearly Total ADA

Los Angeles City College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	12736	2.0	2987	2.0	15723	2.0
	1978-79	12488	2.0	2929	2.0	15417	2.0
	1977-78	12241	2.1	2871	2.1	15112	2.1
	1976-77	11989	2.1	2812	2.1	14801	2.1
	1975-76	11741	2.4	2754	3.5	14495	2.6
Actual	1974-75	11463	9.1	2661	23.9	14124	11.6
	1973-74	10506	0.3	2147	11.4	12653	2.0
	1972-73	10479	-1.3	1927	-5.2	12406	-1.9
	1971-72	10614	-2.3	2032	12.3	12646	-0.2
	1970-71	10864		1809		12673	

LOS ANGELES HARBOR COLLEGE

Enrollment at Los Angeles Harbor College is expected to increase 29.5% during the next five years to a total of 13,100 by Fall 1979 (Table 10). Among significant factors expected to favorably affect Harbor's projections are increased Outreach, redevelopment and a projected population increase in the area surrounding Harbor (especially in San Pedro), and increased adult education programs in the Palos Verdes area. A large part of Harbor's enrollment growth is expected to occur in evening classes, with a 28.9% increase expected in Fall 1975 alone.

Total WSCH is expected to increase to 145,000 in Fall 1979--an 18.7% increase over Fall 1974 (Table 11). As has been noted, a good deal of this increase will be evening rather than day, especially in Fall 1975. The day WSCH declines are caused by an anticipated decline in average WSCH per day student.

Yearly total ADA at Harbor is expected to increase 16.7% during the next five years to 8,442 by 1979 (Table 12). As was the case with East, especially significant growth is expected in ADA generated by defined adults, a situation that causes ADA growth to lag slightly behind WSCH growth since defined adults generate less ADA per WSCH than do other than adult students.

TABLE 10

Actual and Projected Fall Enrollment

Los Angeles Harbor College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	8,020	0.6	5,880	2.6	13,900	1.5
	1978	7,970	1.0	5,730	4.0	13,700	2.2
	1977	7,890	1.3	5,510	5.8	13,400	3.1
	1976	7,790	1.6	5,210	7.9	13,000	4.0
	1975	7,670	9.8	4,830	28.9	12,500	16.4
Actual	1974	6,988	8.7	3,748	3.6	10,736	6.8
	1973	6,431	4.8	3,619	17.7	10,050	9.1
	1972	6,137	-5.6	3,076	16.9	9,213	0.9
	1971	6,499	8.0	2,631	10.0	9,130	8.6
	1970	6,016	- -	2,392	- -	8,408	- -

TABLE 11

Actual and Projected Fall WSCH

Los Angeles Harbor College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	90,900	-0.4	55,000	2.6	145,900	0.7
	1978	91,300	-1.0	53,600	4.1	144,900	0.8
	1977	92,200	-0.9	51,500	5.7	143,700	1.4
	1976	93,000	-1.1	48,700	7.7	141,700	1.8
	1975	94,000	7.0	45,200	28.9	139,200	13.2
Actual	1974	87,888	6.0	35,061	14.5	122,949	8.3
	1973	82,939	1.4	30,629	10.2	113,568	3.6
	1972	81,790	-7.9	27,786	8.9	109,576	-4..
	1971	88,764	4.9	25,521	6.8	114,285	5.3
	1970	84,673	- -	23,900		108,573	-

TABLE 12

Actual and Projected Yearly Total ADA

Los Angeles Harbor College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	6737	0.7	1705	0.6	8442	0.7
	1978-79	6691	0.8	1694	0.8	8385	0.8
	1977-78	6636	1.4	1680	1.4	8316	1.4
	1976-77	6544	1.8	1656	1.8	8200	1.8
	1975-76	6428	5.8	1627	40.3	8055	11.3
Actual	1974-75	6076	8.4	1160	24.9	7236	10.7
	1973-74	5606	4.4	929	14.0	6535	5.7
	1972-73	5370	-4.3	815	13.7	6185	-2.2
	1971-72	5609	3.2	717	8.1	6326	3.8
	1970-71	5434		663		6097	

LOS ANGELES MISSION COLLEGE

Since traditional projection methods were not possible in the case of Mission College, college personnel were relied on to identify relevant factors and to assist in the projections. It was agreed that projections would be produced by calculating the average percentage growth in the five years following the establishment of Southwest and West, and applying this percentage change to Mission's initial enrollment.

Mission's total enrollment is expected to increase to 4,430 by 1979 (Table 13). Especially strong growth is expected (a) in 1975 as graduated high school seniors begin their first Fall term, and (b) in 1976 when a central campus site is expected to be available. The day-evening components of Mission's total enrollment were calculated by applying the actual Spring 1975 ratio of day to total enrollment (56%). Of course, if permanent facilities become available either before or after 1976, the current projections will require revision.

WSCH projections were especially difficult for Mission because student loads are even more sensitive than is enrollment to dispersal/concentration of facilities (Table 14). Mission's actual Spring 1975 load (6.95) is extremely low due to the dispersal of current facilities. WSCH projections were produced using the assumption that average load would increase to 8.5 hours in 1975 and then increase further as a central site became available and as educational programs became established. WSCH are expected to grow to 14.3% by 1979.

Mission's yearly total ADA is expected to grow to 2,712 by 1979-80 (Table 15).

TABLE 13

Projected Fall Enrollment

Los Angeles Mission College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	2,480	11.2	1,950	11.4	4,430	11.3
	1978	2,230	12.6	1,750	12.9	3,980	12.7
	1977	1,980	15.1	1,550	14.8	3,530	15.0
	1976	1,720	45.8	1,350	46.7	3,070	46.2
	1975	1,180		920		2,100	
Actual (Spr. 1975)		688	--	540	--	1,228	--

TABLE 14

Projected Fall WSCH

Los Angeles Mission College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	30,200	15.7	16,300	11.6	46,500	14.3
	1978	26,100	17.6	14,600	13.2	40,700	16.0
	1977	22,200	22.0	12,900	14.2	35,100	19.0
	1976	18,200	93.6	11,300	46.8	29,500	72.5
	1975	9,400		7,700		17,100	
Actual (Spr. 1975)		4,027	--	4,509	--	8,536	--

TABLE 15

Projected Yearly Total ADA

Los Angeles Mission College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	1898	14.2	814	14.2	2712	14.2
	1978-79	1662	15.9	713	16.1	2375	16.1
	1977-78	1434	19.0	614	18.8	2048	18.8
	1976-77	1205	85.1	517	47.7	1722	47.7
	1975-76	651	342.8	350	284.6	1001	320.6
Actual	1974-75	147		91		238	

LOS ANGELES PIERCE COLLEGE

Unlike most other colleges in the District, the population living in the Western San Fernando Valley area served by Pierce is expected to grow somewhat by 1979. Because of its distance, Mission College is not expected to have an adverse effect on future Pierce enrollment.

Total Pierce enrollment is expected to grow 16.8% during the next five years to a total of 24,760 in 1979 (Table 16). Contrary to some other schools, Pierce's evening enrollment is not expected to grow faster than its day enrollment because the evening program had already grown dramatically (33.7% increase) in Fall 1974. The average ratio of day to total enrollment during the last ten years (65%) was used to determine the day-evening composition of total projected enrollment.

Also contrary to most other colleges, Pierce has recently experienced declines in evening as well as in day loads. These declining loads, when projected to 1979, result in slightly lower rates of increase for WSCH (Table 17) than for enrollment. WSCH is expected to grow 13.7% during the next five years to a total of 258,600. Approximately equal growth is expected in both day and evening WSCH.

Pierce's yearly total ADA is expected to grow from 13,154 in 1974-75 to 14,752 in 1979-80--an increase of 11.6% (Table 18). Defined adults and other than adult students are expected to have approximately equal growth rates.

TABLE 16

Actual and Projected Fall Enrollment

Los Angeles Pierce College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	16,090	2.2	8,670	2.2	24,760	2.2
	1978	15,740	2.3	8,480	2.3	24,220	2.3
	1977	15,390	2.3	8,290	2.3	23,680	2.3
	1976	15,040	2.4	8,100	2.4	23,140	2.4
	1975	14,690	7.5	7,910	4.8	22,600	6.6
Actual	1974	13,659	16.8	7,547	33.7	21,206	22.3
	1973	11,691	1.9	5,644	7.1	17,335	3.5
	1972	11,474	0.6	5,269	7.4	16,743	2.6
	1971	11,409	1.9	4,908	2.1	16,317	2.0
	1970	11,193	--	4,807	--	16,000	--

TABLE 17

Actual and Projected Fall WSCH

Los Angeles Pierce College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	187,900	1.2	70,700	1.9	258,600	1.6
	1978	185,100	1.6	69,400	1.9	254,500	1.7
	1977	182,100	1.7	68,100	2.1	250,200	1.8
	1976	179,100	1.8	66,700	2.0	245,800	1.8
	1975	176,000	6.8	65,400	4.4	241,400	6.2
Actual	1974	164,738	12.2	62,665	26.2	227,403	15.7
	1973	146,879	-1.9	49,670	8.2	196,549	0.4
	1972	149,800	3.4	45,891	2.7	195,691	3.2
	1971	144,916	3.1	44,700	1.0	189,616	2.6
	1970	140,545	- -	44,276	- -	184,821	- -

TABLE 18

Actual and Projected Yearly Total ADA

Los Angeles Pierce College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	12244	1.6	2508	1.6	14752	1.6
	1978-79	12051	1.7	2468	1.7	14519	1.7
	1977-78	11847	1.8	2427	1.8	14274	1.8
	1976-77	11639	1.8	2384	1.8	14023	1.8
	1975-76	11431	3.7	2341	6.6	13772	4.2
Actual	1974-75	11022	14.5	2196	39.3	13218	13.0
	1973-74	9623	-0.3	1577	23.1	11200	2.4
	1972-73	9653	2.6	1281	-1.7	10934	2.0
	1971-72	9412	3.1	1303	12.0	10715	4.1
	1970-71	9127		1163		10290	

LOS ANGELES SOUTHWEST COLLEGE

Although the population living in the area served by Los Angeles Southwest College is expected to decline slightly during the next five years, enrollment is expected to increase to 5,970 by 1979--an increase of 28.2% over Fall 1974 (Table 19). Among major factors influencing Southwest's growth are increased recruiting in local high schools and the availability of permanent facilities in 1977. Somewhat larger growth is expected in day than in evening enrollment as a result of the foregoing factors.

Total WSCH at Southwest are expected to increase 23.8% between 1974 and 1979 to 65,600 by the latter date (Table 20). Evening growth is expected to lag behind day because of the expected day-evening enrollment relationship described above and also because the Fall 1974 evening WSCH figure was unusually high.

Yearly ADA is expected to grow 22.2% during the next five years to a total of 3,883 by 1979-80 (Table 21). Slightly increased growth in other than adult relative to defined adult ADA is expected for the reasons described above.

TABLE 19

Actual and Projected Fall Enrollment

Los Angeles Southwest College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	3,540	4.4	2,430	1.3	5,970	3.1
	1978	3,390	4.6	2,400	1.7	5,790	3.4
	1977	3,240	9.5	2,360	6.3	5,600	8.1
	1976	2,960	6.9	2,220	3.3	5,180	5.3
	1975	2,770	7.0	2,150	4.0	4,920	5.7
Actual	1974	2,588	11.8	2,067	-0.2	4,655	6.1
	1973	2,315	-0.7	2,072	18.1	4,387	7.3
	1972	2,332	-1.2	1,755	17.2	4,087	5.9
	1971	2,360	35.2	1,498	25.4	3,858	31.2
	1970	1,745	- -	1,195	- -	2,940	- -

TABLE 20

Actual and Projected Fall WSCH

Los Angeles Southwest College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	43,200	4.3	22,400	0.4	65,600	3.0
	1978	41,400	4.5	22,300	0.5	63,700	3.1
	1977	39,600	9.7	22,200	3.3	61,800	7.3
	1976	36,100	6.5	21,500	0.5	57,600	4.2
	1975	33,900	7.3	21,400	0.1	55,300	4.4
Actual	1974	31,602	9.5	21,373	17.4	52,975	12.5
	1973	28,870	4.2	18,204	22.1	47,074	10.5
	1972	27,696	-12.7	14,910	24.9	42,606	-2.5
	1971	31,743	30.1	11,938	6.3	43,681	22.6
	1970	24,408	- -	11,230	- -	35,638	- -

TABLE 21

Actual and Projected Yearly Total ADA

Los Angeles Southwest College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	3145	2.7	738	2.6	3883	2.7
	1978-79	3063	3.6	719	3.6	3782	3.6
	1977-78	2957	7.6	694	1.0	3651	6.3
	1976-77	2748	2.7	687	2.7	3435	2.7
	1975-76	2697	5.0	648	6.4	3345	5.3
Actual	1974-75	2568	22.8	609	5.4	3177	19.0
	1973-74	2091	9.2	578	8.2	2669	9.0
	1972-73	1915	-7.6	534	15.3	2449	-3.4
	1971-72	2072	19.1	463	31.2	2535	21.2
	1970-71	1739		353		2092	

LOS ANGELES TRADE-TECHNICAL COLLEGE

Enrollment at Los Angeles Trade-Technical College is expected to grow 10.5% during the next five years to a total of 20,070 (Table 22). The wide geographical dispersion of Trade's students makes enrollment especially sensitive to transportation variables such as the cost of gasoline and the availability of public transportation. In addition, Trade's large veteran enrollment is affected by the amount of veterans benefits that are available.

Because of its specialized vocational curriculum, Trade has an unusually high number of older students seeking to establish or upgrade occupational skills. (Trade's largest disciplines in Fall 1974 were engineering, business and management, and apprenticeship.) Thus, Trade's enrollment is unusually sensitive to any economic conditions affecting employment in these areas.

WSCH are expected to increase to 254,700 by 1979--an increase of 10.5% over 1974 (Table 23). As was the case with enrollment, day and evening growth is expected to be approximately equal.

ADA is expected to increase 8.4% between 1974 and 1979 to 15,286 by the latter date (Table 24). There is no reason at this time to expect differential growth between defined adult and other than adult students.

TABLE 22

Actual and Projected Fall Enrollment

Los Angeles Trade-Technical College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	8,830	2.0	11,240	1.9	20,070	1.9
	1978	8,660	2.0	11,030	2.0	19,690	2.0
	1977	8,490	2.0	10,810	2.0	19,300	2.0
	1976	8,320	2.0	10,600	2.1	18,920	2.0
	1975	8,160	2.0	10,380	2.2	18,540	2.1
Actual	1974	7,998	26.2	10,157	-0.3	18,155	9.9
	1973	6,338	4.0	10,186	10.1	16,524	7.7
	1972	6,094	5.4	9,251	-6.2	15,345	-1.9
	1971	5,784	4.5	9,861	-0.4	15,645	1.4
	1970	5,537	--	9,896	--	15,433	--

TABLE 23

Actual and Projected Fall WSCH

Los Angeles Trade-Technical College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	163,900	2.0	90,800	1.9	254,700	2.0
	1978	160,700	2.0	89,100	2.1	249,800	2.0
	1977	157,600	2.1	87,300	2.0	244,900	2.0
	1976	154,400	2.0	85,600	2.0	240,000	2.0
	1975	151,400	2.0	83,900	2.2	235,300	2.1
Actual	1974	148,453	3.0	82,084	3.9	230,537	3.3
	1973	144,104	3.7	79,028	13.6	223,132	7.0
	1972	139,020	2.0	69,579	5.1	208,599	3.0
	1971	136,280	7.2	66,229	4.8	202,509	6.4
	1970	127,090	--	63,204	--	190,294	--

TABLE 24

Actual and Projected Yearly Total ADA

Los Angeles Trade-Technical College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	12687	1.7	2599	1.7	15286	1.7
	1978-79	12477	1.7	2556	1.7	15033	1.7
	1977-78	12268	1.7	2513	1.7	14781	1.7
	1976-77	12058	1.8	2470	1.8	14528	1.8
	1975-76	11849	0.7	2427	7.3	14276	1.8
Actual	1974-75	11762	8.1	2261	28.8	14023	11.0
	1973-74	10876	9.0	1756	4.9	12632	8.4
	1972-73	9975	2.9	1674	-9.7	11649	0.9
	1971-72	9697	7.2	1853	-8.6	11550	4.3
	1970-71	9043		2027		11070	

LOS ANCELES VALLEY COLLEGE

Enrollment growth at Los Angeles Valley College is expected to be slight during the next two years, largely as the result of an anticipated decline in population in the area served by Valley College (Table 25).

Total enrollment at Valley is expected to increase to 21,900 by Fall 1979--an increase of 2.7% over Fall 1974. Approximately equivalent growth is expected in day and evening.

WSCH are expected to increase at approximately the same rate as enrollment throughout the next five years, with day and evening growth again approximately equal (Table 26). Fall 1979 WSCH is expected to total 221,100 compared to 215,227 in Fall 1974.

Yearly total ADA is expected to grow 0.7% between 1974 and 1979 to a total of 13,007 by the latter date (Table 27). There is no reason at this time to expect differential growth between defined adult and other than adult students.

TABLE 25

Actual and Projected Fall Enrollment

Los Angeles Valley College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	12,850	0.5	9,050	0.4	21,900	0.5
	1978	12,790	0.5	9,010	0.4	21,800	0.5
	1977	12,730	0.5	8,970	0.4	21,700	0.5
	1976	12,670	0.5	8,930	0.4	21,600	0.5
	1975	12,610	0.8	8,890	0.9	21,500	0.8
Actual	1974	12,510	8.5	8,813	24.5	21,323	14.6
	1973	11,532	7.9	7,077	4.6	18,609	6.6
	1972	10,690	-9.8	6,767	-6.2	17,457	-8.4
	1971	11,848	5.3	7,218	-0.2	19,066	3.2
	1970	11,251	--	7,230	--	18,481	--

TABLE 26

Actual and Projected Fall WSCH

Los Angeles Valley College

		Day	% Ch.	Evening	% Ch.	Total	% Ch
Projected	1979	147,300	0.5	73,800	0.5	221,100	0.5
	1978	146,600	0.5	73,400	0.4	220,000	0.5
	1977	145,900	0.5	73,100	0.4	219,000	0.5
	1976	145,200	0.5	72,800	0.4	218,000	0.5
	1975	144,500	0.7	72,500	1.0	217,000	0.8
Actual	1974	143,426	4.7	71,801	28.3	215,227	11.5
	1973	137,049	10.0	55,961	10.6	193,010	10.2
	1972	124,552	-8.5	50,600	-6.3	175,152	-7.9
	1971	136,158	-4.9	54,022	6.7	190,180	-1.8
	1970	143,121	--	50,610	--	193,731	--

TABLE 27

Actual and Projected Yearly Total ADA

Los Angeles Valley College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	10145	0.1	2862	0.4	13007	0.1
	1978-79	10137	0.1	2852	0.3	12989	0.1
	1977-78	10128	0.1	2844	0.4	12972	0.1
	1976-77	10120	0.1	2834	0.3	12954	0.1
	1975-76	10111	0.1	2826	0.4	12937	0.1
Actual	1974-75	10103	11.6	2816	33.4	12919	15.8
	1973-74	9049	8.7	2111	12.9	11160	9.4
	1972-73	8327	-4.5	1870	4.4	10197	-3.0
	1971-72	8716	-5.8	1791	8.8	10507	-3.6
	1970-71	9248		1646		10894	

WEST LOS ANGELES COLLEGE

Enrollment at West Los Angeles College is expected to increase 36.3% during the next five years to a total of 9,870 by Fall 1979 (Table 28). Factors expected to contribute to this increase include the restriction of interdistrict permits to students who would formerly have attended Santa Monica City College and the establishment of permanent facilities in 1977. The latter factor accounts for the projected increase in day relative to evening enrollment in 1977.

WSCH are expected to grow from 68,188 in Fall 1974 to 87,800 in 1979--an increase of 28.8% (Table 29). The anticipated day enrollment increase mentioned above accounts for the greater increase in day relative to evening WSCH in 1977. Day WSCH is expected to increase 31.4% and evening WSCH 24.4% between 1974 and 1979.

Yearly total ADA is expected to increase 26.7% between 1974-75 and 1979-80 to a total of 5,110 by the latter date (Table 30). Growth in other than adult students during that period (28.5%) is expected to exceed growth in defined adult students (21.8%), largely because of the anticipated effect of permanent facilities in 1977.

TABLE 28

Actual and Projected Fall Enrollment

West Los Angeles College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	5,330	2.9	4,540	2.9	9,870	2.9
	19[illegible]	5,180	4.0	4,410	3.8	9,590	3.9
	1977	4,980	13.2	4,250	4.8	9,230	[illegible]
	1976	4,400	5.0	4,060	5.2	8,460	5.1
	1975	4,190	10.6	3,860	11.9	8,050	11.2
Actual	1974	3,791	8.7	3,449	55.8	7,240	27.0
	1973	3,486	14.9	2,214	15.3	5,700	15.1
	1972	3,034	-2.7	1,920	12.0	4,954	2.5
	1971	3,117	12.0	1,715	17.9	4,832	14.0
	1970	2,784	- -	1,455	- -	4,239	- -

TABLE 29

Actual and Projected Fall WSCH

West Los Angeles College

		Day	% Ch.	Evening	% Ch.	Total	% Ch.
Projected	1979	56,200	3.1	31,600	0.6	87,800	2.2
	1978	54,500	3.6	31,400	1.0	85,900	2.6
	1977	52,600	10.0	31,100	4.0	83,700	7.7
	1976	47,800	2.4	29,900	4.9	77,700	3.3
	1975	46,700	9.2	28,500	12.2	75,200	10.3
Actual	1974	42,784	2.3	25,404	39.4	68,188	13.6
	1973	41,805	15.0	18,225	22.8	60,030	17.3
	1972	36,347	-9.3	14,846	-0.4	51,193	-6.9
	1971	40,065	15.6	14,911	20.8	54,976	17.0
	1970	34,661	- -	12,343	- -	47,004	- -

TABLE 30

Actual and Projected Yearly Total ADA

West Los Angeles College

		OTA	% Ch.	DA	% Ch.	Total	% Ch.
Projected	1979-80	38[illegible]	2.2	1227	2.3	5110	2.2
	1978-79	3[illegible]	2.6	1200	2.7	4999	2.6
	1977-78	3702	9.1	1169	3.5	4871	7.7
	1976-77	3392	3.4	1130	3.3	4522	3.3
	1975-76	3282	7.9	1094	10.4	4376	8.5
Actual	1974-75	3043	8.6	991	68.3	4034	19.0
	1973-74	2801	15.3	589	19.7	3390	16.1
	1972-73	2429	-6.3	492	32.6	2921	-1.4
	1971-72	2592	11.1	371	26.6	2963	12.8
	1970-71	2333		293		2626	

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