

ESTIMATES OF COLLEGE POTENTIAL AND COLLEGE  
ENROLLMENTS FOR BOCA RATON  
1964 - 1975

Report Prepared

by

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The estimates of college potential and enrollment to 1975 depend heavily on estimates of high school graduates. This study relies heavily on the work of H. A. Curtis, et. al., which was done in 1958 for the Board of Control. In their study, the membership at the end of the year for each grade from 1943-1958 was used as the basis for computing high school graduates. In the present study, the same end of year membership figures also were used. However, a cohort survival approach was used to carry students from the first grade through high school.

#### High School Graduates

In order to get this survival ratio for each grade, the following procedure was used: A ratio is computed between the number of students in membership in the second grade each year to the number in membership at the close of the first grade the preceding year. Then the ratio of the number in membership at the close of the third grade each year to the number in membership at the close of the second grade the preceding year was computed. This process was continued through the eleventh grade, at which point the ratio of the number of twelfth grade graduates to the number in membership at the close of the eleventh grade of the preceding year was computed. These ratios were computed for each

grade for the years 1944-1959 for the state and the three counties of the Boca Raton area (Dade, Broward, and Palm Beach). Within each of these two geographic areas, the ratios were computed by race.

At this point, a decision had to be made as to how these ratios would be projected to 1975. It was clear for both Boca Raton area and the State that these ratios reflected a high degree of in-migration. It was true that the ratios for many of the grades were unstable, although the general trend was upward. Population expansion for Florida during the period 1950-1960 was one of the highest in the country with an increase of approximately 76 per cent. This presents the question of whether future population growth will be as great as the last ten years and whether it will be primarily from in-migration. The number of births in Florida has continued to increase reaching a high of approximately 100,000 in 1959 which suggests that a larger proportion of Florida's increase in school population will be due to the increased number of native born children. Rather than give one projection, we have decided upon three sets of projections each based on three possibilities.

The first projection or high estimate is based on the assumption that the survival ratios will continue to increase at a steady rate which represents an increase due to migration, but this ratio for State white was not allowed to rise above 1.1. In computing the ratios for the high estimate we took a three-year moving average of the experience of each grade from 1950-1959 and projected these by the method of a least squares progression line.

The second or medium set of projections is based on the assumption that the present rates will increase until 1964 and then level off and continue at the 1964 rates. However, the seventh grade estimate for the state and Boca Raton area was stabilized at the 1959 ratio. For these projections, the same procedure was followed except that the points computed for 1964 were allowed to continue through 1975.

For the low projection the ratio representing the holding power of the particular grade was subtracted from the ratio computed by the method described for the high projections. One half of this difference was added to the ratio representing the holding power of the grade.

The application of the survival ratios to the number of pupils in membership in each grade at the close of the school year 1959, provided the basis for estimating the number of pupils to be graduated from high school annually between the years 1960-1970, inclusive. By 1970 pupils in membership in the first grade at the close of 1959 will normally have been graduated.

To obtain the estimated number of high school graduates for the years 1971-1975 inclusive, it was necessary to estimate end of year in the first grade during each of the years 1960-1964. These estimates were made on the basis of the relationships between the annual births for 1948-1952 and memberships at the close of the first grade seven years later, 1955-1959. The relationship was expressed as a regression equation. The number of high school graduates year by year was then estimated by surviving the estimated first grade end of year membership by applying appropriate grade by grade survival ratios as explained above. High, medium, and low estimates were then obtained of high school graduates for each year for the state and for the Boca Raton area.

The sex distribution for each graduating class was determined by applying the sex ratios for the high school seniors for a five year period, 1954-1955 through 1958-1959.

### College Potential

The concept of college potential is complex, but following the definition used in the earlier study of Florida's college population, we have defined college potential as those students who have scored at least 200 on the Florida Twelfth Grade Tests. Again drawing on the Curtis Report and a conference with Dr. McQuitty, director of the Florida twelfth grade testing program, the following ratios were used. For the whites in the Boca Raton area, it was estimated that 77 per cent of the males and 70 per cent of the females made a score of 200 or better. For the state, it was estimated that 67 per cent of the males and 60 per cent of the females scored 200 or above on the twelfth grade tests. For the Negro population, it was estimated that for the state as a whole, 55 per cent of the males and 52 per cent of the females scored 200 or better; and for the Boca Raton area, 69 per cent of the males and 70 per cent of the females made a score of 200 or more. The resulting figure represents the college potential from each graduating class of seniors for the two areas.

### Estimated Enrollment

Estimates of enrollment are predicated on the assumption that Boca Raton will open in 1964 and will offer only junior and senior

courses. It is assumed that the junior colleges in the area will be the primary source of enrollment for these upper level courses. It is extremely difficult to get estimates on actual experience of junior college graduates. The estimates of plans concerning junior college students indicate that approximately 75 per cent of those students in Dade county who are in junior college plan to continue their education. Also surveys of high school graduates in Dade county indicate that approximately 50 per cent plan to go to college. Given these limitations, the following arbitrary decisions were made in estimating the contribution that the three-county area would make to the institution at Boca Raton.

1. To determine the area's college potential, the percentage of males and females making 200 or above on the twelfth grade tests was applied to the area's high school graduates.
2. It was assumed that 45 per cent of the college potential in 1962-1963 would attend college, but would not be available to the Boca Raton institution.
3. It was assumed that 30 per cent of the potential college students of 1962-1963 would be available

2. to enroll as juniors in the Boca Raton institution in 1964.

In addition it was felt the Boca Raton institution would draw students from other areas in Florida. In order to make some estimate of the number of such students, the following procedure was used.

1. The Boca Raton high school graduates for each year were subtracted from the state high school graduates.
2. To determine the state college potential, exclusive of Boca Raton area, the percentage of males and females making 200 or above on the twelfth grade tests was applied to the state high school graduates.
3. It was estimated that 5 per cent of the state's potential college population for any one year would be available to register as juniors in the Boca Raton institution two years hence.
4. This number was added to the estimate from the Boca Raton area and for any one year represents the entering junior class.



As the institution at Boca Raton would have both junior and senior enrollment, the question of attrition rates had to be resolved. From a study done by the U. S. Office of Education on retention rates, it was estimated that approximately 10 per cent loss by junior and senior year was a high estimate but was used here to give a conservative estimate of enrollment. Thus in 1964, we were able to estimate the entering junior class and by applying the attrition rate of 10 per cent advanced this junior class to senior status in 1965. The entering junior class was estimated as previously described and the total enrollment for 1965-1966 was the total of these two groups. This procedure was followed for the high and medium estimates of college enrollment. On the low estimates, the contribution from the rest of the state was estimated to be only 2.5 per cent of the college potential for any one year.

#### Summary

The estimates given here rest on inconclusive data and arbitrary decisions, but any bias which this might present is on the conservative side. The one exception to the above statement is the estimate of high school graduates. In this case, the low

estimates based on decreasing rates of survival from grade to grade, suggest that additional college facilities will be needed in the Boca Raton area by 1964 and that by 1975, the pressure will be so great on other institutions that more than 5 per cent of the state potential will be seeking admission to this institution.

TABLE 1

INCREMENT OF INCREASE (b) DERIVED FROM REGRESSION  
 EQUATION BASED UPON 1944-1959 DATA  
 BY AREA, RACE, AND GRADE

Area	Race	Grade	(b)
State	White	2nd	.0092
"	"	3rd	.0060
"	"	4th	.0027
"	"	5th	.0058
"	"	6th	.0033
"	"	7th	.0097
"	"	8th	.0070
"	"	9th	.0052
"	"	10th	.0052
"	"	11th	.0037
"	"	12th	.0023
State	Negro	2nd	.0167
"	"	3rd	.0010
"	"	4th	.0014
"	"	5th	.0045
"	"	6th	.0057
"	"	7th	.0101
"	"	8th	.0044
"	"	9th	.0039
"	"	10th	.0028
"	"	11th	.0010
Boca Raton	White	2nd	.0073
"	"	3rd	.0043
"	"	4th	.0021
"	"	5th	.0020
"	"	6th	.0047
"	"	7th	.0083
"	"	8th	.0054
"	"	9th	.0028
"	"	10th	.0048
"	"	11th	.0004
Boca Raton	Negro	2nd	.0067
"	"	3rd	.0020
"	"	4th	.0005
"	"	5th	.0059
"	"	6th	.0017
"	"	7th	.0108
"	"	8th	-.0013
"	"	9th	.0030
"	"	10th	.0001
"	"	11th	-.0030

TABLE 2

## PROJECTION OF SURVIVAL RATIOS BY GRADES STATE-WHITE

	2	3	4	5	6	7	8	9	10	11
59	1.0116	1.0306	1.0264	1.0374	1.0284	1.0773	.9737	.9598	.9442	.9173
60	1.0208	1.0366	1.0291	1.0432	1.0317	1.0870	.9807	.9650	.9494	.9210
61	1.0300	1.0426	1.0318	1.0490	1.0350	1.0967	.9877	.9702	.9546	.9247
62	1.0392	1.0486	1.0345	1.0548	1.0383	1.1000	.9947	.9754	.9598	.9284
63	1.0484	1.0546	1.0372	1.0606	1.0416	1.1000	1.0017	.9806	.9650	.9321
64	1.0576	1.0606	1.0399	1.0664	1.0449	1.1000	1.0087	.9858	.9702	.9358
65	1.0668	1.0666	1.0426	1.0722	1.0482	1.1000	1.0157	.9910	.9754	.9395
66	1.0760	1.0726	1.0453	1.0780	1.0515	1.1000	1.0227	.9962	.9806	.9432
67	1.0852	1.0786	1.0480	1.0838	1.0548	1.1000	1.0297	1.0014	.9858	.9469
68	1.0944	1.0846	1.0507	1.0896	1.0581	1.1000	1.0367	1.0066	.9910	.9506
69	1.1000	1.0906	1.0534	1.0954	1.0614	1.1000	1.0437	1.0118	.9962	.9543
70	1.1000	1.0966	1.0561	1.1000	1.0647	1.1000	1.0507	1.0170	1.0014	.9580
71	1.1000	1.1000	1.0588	1.1000	1.0680	1.1000	1.0577	1.0222	1.0066	.9617
72	1.1000	1.1000	1.0615	1.1000	1.0713	1.1000	1.0647	1.0274	1.0118	.9654
73	1.1000	1.1000	1.0642	1.1000	1.0746	1.1000	1.0717	1.0326	1.0170	.9691
74	1.1000	1.1000	1.0669	1.1000	1.0779	1.1000	1.0787	1.0378	1.0222	.9728
75	1.1000	1.1000	1.0696	1.1000	1.0812	1.1000	1.0857	1.0430	1.0274	.9765

TABLE 3

## PROJECTION OF SURVIVAL RATIOS BY GRADES

## STATE - NEGRO

Year	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
59	.9562	.9949	1.0015	.9894	.9882	.9959	.9225	.9121	.8877	.8419
60	.9729	.9959	1.0029	.9939	.9939	1.0060	.9269	.9160	.8905	.8429
61	.9896	.9969	1.0043	.9984	.9996	1.0161	.9313	.9199	.8933	.8439
62	1.0063	.9979	1.0057	1.0029	1.0053	1.0262	.9357	.9238	.8961	.8449
63	1.0230	.9989	1.0071	1.0074	1.0110	1.0363	.9401	.9277	.8989	.8459
64	1.0397	.9999	1.0085	1.0119	1.0167	1.0464	.9445	.9316	.9017	.8469
65	1.0564	1.0009	1.0099	1.0164	1.0224	1.0565	.9489	.9355	.9045	.8479
66	1.0731	1.0019	1.0113	1.0209	1.0281	1.0666	.9533	.9394	.9073	.8489
67	1.0898	1.0029	1.0127	1.0254	1.0338	1.0767	.9577	.9433	.9101	.8499
68	1.1065	1.0039	1.0141	1.0299	1.0395	1.0868	.9621	.9472	.9129	.8509
69	1.1232	1.0049	1.0155	1.0344	1.0452	1.0969	.9665	.9511	.9157	.8519
70	1.1399	1.0059	1.0169	1.0389	1.0509	1.1070	.9709	.9550	.9185	.8529
71	1.1566	1.0069	1.0183	1.0434	1.0566	1.1071	.9753	.9589	.9213	.8539
72	1.1733	1.0079	1.0197	1.0479	1.0623	1.1272	.9797	.9628	.9241	.8549
73	1.1900	1.0089	1.0211	1.0524	1.0680	1.1373	.9841	.9667	.9269	.8559
74	1.2067	1.0099	1.0225	1.0569	1.0737	1.1474	.9885	.9706	.9297	.8569
75	1.2234	1.0109	1.0239	1.0614	1.0794	1.1575	.9929	.9745	.9325	.8579



TABLE 3

## PROJECTION OF SURVIVAL RATIOS BY GRADES

## STATE - NEGRO

Year	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
59	.9562	.9949	1.0015	.9894	.9882	.9959	.9225	.9121	.8877	.8419
60	.9729	.9959	1.0029	.9939	.9939	1.0060	.9269	.9160	.8905	.8429
61	.9896	.9969	1.0043	.9984	.9996	1.0161	.9313	.9199	.8933	.8439
62	1.0063	.9979	1.0057	1.0029	1.0053	1.0262	.9357	.9238	.8961	.8449
63	1.0230	.9989	1.0071	1.0074	1.0110	1.0363	.9401	.9277	.8989	.8459
64	1.0397	.9999	1.0085	1.0119	1.0167	1.0464	.9445	.9316	.9017	.8469
65	1.0564	1.0009	1.0099	1.0164	1.0224	1.0565	.9489	.9355	.9045	.8479
66	1.0731	1.0019	1.0113	1.0209	1.0281	1.0666	.9533	.9394	.9073	.8489
67	1.0898	1.0029	1.0127	1.0254	1.0338	1.0767	.9577	.9433	.9101	.8499
68	1.1065	1.0039	1.0141	1.0299	1.0395	1.0868	.9621	.9472	.9129	.8509
69	1.1232	1.0049	1.0155	1.0344	1.0452	1.0969	.9665	.9511	.9157	.8519
70	1.1399	1.0059	1.0169	1.0389	1.0509	1.1070	.9709	.9550	.9185	.8529
71	1.1566	1.0069	1.0183	1.0434	1.0566	1.1071	.9753	.9589	.9213	.8539
72	1.1733	1.0079	1.0197	1.0479	1.0623	1.1272	.9797	.9628	.9241	.8549
73	1.1900	1.0089	1.0211	1.0524	1.0680	1.1373	.9841	.9667	.9269	.8559
74	1.2067	1.0099	1.0225	1.0569	1.0737	1.1474	.9885	.9706	.9297	.8569
75	1.2234	1.0109	1.0239	1.0614	1.0794	1.1575	.9929	.9745	.9325	.8579





TABLE 5

## PROJECTION OF SURVIVAL RATIOS BY GRADES

## BOCA RATON - NEGRO

Year	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
59	.9586	.9953	.9922	.9585	.9669	1.0125	.9043	.8850	.8743	.8668
60	.9653	.9973	.9927	.9644	.9686	1.0233	.9030	.8880	.8744	.8638
61	.9720	.9993	.9932	.9703	.9703	1.0341	.9017	.8910	.8745	.8608
62	.9787	1.0013	.9937	.9762	.9720	1.0449	.9004	.8940	.8746	.8578
63	.9854	1.0033	.9942	.9821	.9737	1.0557	.8991	.8970	.8747	.8548
64	.9921	1.0053	.9947	.9880	.9754	1.0665	.8978	.9000	.8748	.8518
65	.9988	1.0073	.9952	.9939	.9771	1.0773	.8965	.9030	.8749	.8488
66	1.0055	1.0093	.9957	.9998	.9788	1.0881	.8952	.9060	.8750	.8458
67	1.0122	1.0113	.9962	1.0057	.9805	1.0989	.8939	.9090	.8751	.8428
68	1.0189	1.0133	.9967	1.0116	.9822	1.0997	.8926	.9120	.8752	.8398
69	1.0256	1.0153	.9972	1.0175	.9839	1.1105	.8913	.9150	.8753	.8368
70	1.0323	1.0173	.9977	1.0234	.9856	1.1213	.8900	.9180	.8754	.8338
71	1.0390	1.0193	.9982	1.0293	.9873	1.1321	.8887	.9210	.8755	.8308
72	1.0457	1.0213	.9987	1.0352	.9890	1.1429	.8874	.9240	.8576	.8278
73	1.0524	1.0233	.9992	1.0411	.9907	1.1537	.8861	.9270	.8757	.8248
74	1.0591	1.0253	.9997	1.0470	.9924	1.1645	.8848	.9300	.8758	.8218
75	1.0658	1.0273	1.0002	1.0529	.9941	1.1753	.8835	.9330	.8759	.8188

TABLE 6

(12th Grade Graduates to End of Year Enrollment in 11th Grade of Previous Year)

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
State White	.8858	.8886	.8914	.8942	.8970	.8998	.9026	.9054	.9082	.9110	.9138	.9138	.9194	.9222	.9250	.9278
State Negro	.8642	.8674	.8706	.8738	.8770	.8802	.8834	.8866	.8898	.8930	.8962	.8994	.9026	.9058	.9090	.9122
Boca Raton White	.8504	.8512	.8520	.8528	.8536	.8544	.8552	.8560	.8568	.8576	.8584	.8592	.8600	.8608	.8616	.8624
Boca Raton Negro	.8477	.8524	.8571	.8618	.8665	.8712	.8759	.8806	.8853	.8900	.8947	.8994	.9041	.9088	.9135	.9182

TABLE 7

PROJECTION OF STATE WHITE HIGH SCHOOL GRADUATES, 1960-75  
BY LEAST SQUARES METHOD OF SURVIVAL RATIOS BY  
GRADES

Year	High Estimates	Medium Estimates	Low Estimates
1960	31,796	31,796	31,641
1961	36,238	36,238	35,204
1962	37,499	37,499	35,359
1963	39,002	39,002	35,696
1964	47,098	47,098	41,845
1965	56,366	55,691 ✓	46,591
1966	59,042	57,412	46,814
1967	62,416	59,766	47,276
1968	66,191	62,276	48,163
1969	75,355	69,187	52,711
1970	84,797	75,988 ✓	56,673
1971	97,353	84,889	63,513
1972	109,007	91,031	68,691
1973	117,763	95,970	73,326
1974	134,464	105,222	81,687
1975	151,914	113,202	90,168

PROJECTION OF STATE NEGRO HIGH SCHOOL GRADUATES, 1960-75 BY  
LEAST SQUARES METHOD OF SURVIVAL RATIOS BY GRADES

Year	High Estimates	Medium Estimates	Low Estimates
1960	6,044	6,044	5,820
1961	6,434	6,434	6,141
1962	7,069	7,069	6,616
1963	7,631	7,631	7,615
1964	8,388	8,388	8,735
1965	9,531	9,401 ✓	8,591
1966	10,867	10,561	9,551
1967	12,269	11,713	10,486
1968	13,755	12,905	11,411
1969	15,672	14,242	12,527
1970	17,989	15,925 ✓	14,093
1971	19,327	16,576	14,734
1972	20,890	17,285	15,491
1973	22,725	18,118	16,429
1974	25,221	19,362	17,765
1975	27,803	20,358	19,207

TABLE 9

ESTIMATED JUNIOR ENROLLMENT FOR BOCA RATON HIGH ESTIMATE OF HIGH SCHOOL GRADUATES  
TWO YEARS PREVIOUS

Entering Sept. of	From Boca Raton Area			From Rest of State			Grand Total
	M	F	T	M	F	T	
1962	517	419	996	362	358	720	1716
1963	592	548	1140	412	408	820	1960
1964	614	567	1181	426	422	848	2029 ✓
1965	632	585	1217	445	440	885	2102
1966	758	702	1460	539	533	1072	2532
1967	872	808	1680	655	647	1302	2982
1968	892	826	1718	692	684	1376	3094
1969	932	863	1795	735	726	1461	3256
1970	971	899	1870	784	774	1558	3428
1971	1142	1058	2200	882	872	1754	3954
1972	1166	1079	2245	1027	1013	2040	4285
1973	1333	1234	2567	1181	1164	2345	4912
1974	1506	1394	2900	1319	1300	2619	5519
1975	1768	1637	3405	1384	1367	2751	6156

TABLE 10

ESTIMATED JUNIOR AND SENIOR ENROLLMENT FROM 1964-1975 WHITE BOCA RATON ,  
HIGH ESTIMATE

Entering Juniors	Total Number of Juniors	10% Attrition Rate - Junior to Senior Yr.	Number Advancing to Senior from Previous Year	Total Enrollment
1964	2029	202		2029
1965	2102	210	1827	3929
1966	2532	253	1892	4424
1967	2982	298	2279	5261
1968	3094	309	2684	5778
1969	3256	326	2785	6041
1970	3428	343	2930	6358
1971	3954	395	3085	7039
1972	4285	428	3559	7844
1973	4912	491	3857	8769
1974	5519	552	4421	9940
1975	6156	615	4967	11123

TABLE 11

## ESTIMATED WHITE JUNIOR ENROLLMENT FOR BOCA RATON MEDIUM ESTIMATE OF HIGH SCHOOL GRADUATES TWO YEARS PREVIOUS

Entering Sept. of	From Boca Raton Area			From Rest of State			Grand Total
	M	F	T	M	F	T	
1962	517	479	996	362	358	720	1716
1963	592	548	1140	412	408	820	1960
1964	614	567	1181	426	422	848	2029
1965	632	585	1217	445	440	885	2102
1966	758	702	1460	539	533	1072	2532
1967	860	797	1657	647	640	1287	2944
1968	877	812	1689	670	663	1333	3022
1969	903	836	1739	701	692	1393	3132
1970	932	863	1786	732	724	1456	3242
1971	1019	943	1962	819	808	1627	3589
1972	1088	1007	2095	908	896	1777	3872
1973	1220	1130	2350	1013	1000	2013	4363
1974	1351	1251	2602	1074	1061	2135	4737
1975	1550	1436	2986	1096	1085	2181	5167

TABLE 12

## ESTIMATED JUNIOR AND SENIOR ENROLLMENT FOR 1964-1975, WHITE BOCA RATON MEDIUM ESTIMATE

Entering Juniors	Total Number of Juniors	10% Attrition Rate Advancing Junior-Senior Year	Number Advancing Senior From Pre- vious Year	Total Enrollment
1964	2029	203		2029
1965	2102	210	1826	3928
1966	2532	253	1892	4424
1967	2944	294	2279	5223
1968	3022	302	2650	5672
1969	3132	313	2720	5852
1970	3242	324	2819	6061
1971	3589	359	2918	6507
1972	3872	387	3230	7102
1973	4363	436	3485	7848
1974	4737	474	3927	8664
1975	5167	517	4263	9430
1976				
1977				

TABLE 13

## ESTIMATED JUNIOR AND SENIOR ENROLLMENT FOR 1964-1975 WHITE, BOCA RATON LOW ESTIMATE

Entering Juniors	Total Number of Juniors	10% Attrition Rate Junior-Senior Year	Number Advancing Senior from Previous Year	Total Enrollment
1964	1494	149		1494
1965	1502	150	1345	2847
1966	1754	175	1352	3106
1967	1915	192	1579	3494
1968	1906	191	1723	3629
1969	1920	192	1715	3635
1970	1955	196	1728	3683
1971	2120	212	1759	3879
1972	2230	223	1908	4138
1973	2467	247	2007	4474
1974	2755	276	2220	4975
1975	3088	309	2479	5567
1976	3491	349	2779	6270
1977	3911	391	3142	7053

TABLE 14

## ESTIMATED JUNIOR ENROLLMENT FOR BOCA RATON LOW ESTIMATES OF HIGH SCHOOL GRADUATES TWO YEARS PREVIOUS

Entering Sept. of	From Boca Raton Area			From Rest of State			Grand Total
	M	F	T	M	F	T	
1962	518	479	997	180	178	358	1355
1963	518	527	1096	201	199	400	1496
1964	567	525	1092	202	200	402	1494
1965	568	526	1094	205	203	408	1502
1966	662	613	1275	241	238	479	1754
1967	713	661	1374	272	269	541	1915
1968	706	554	1360	275	271	546	1906
1969	710	658	1368	278	274	552	1920
1970	723	669	1392	283	280	563	1955
1971	778	721	1499	313	308	621	2120
1972	808	748	1556	339	335	674	2230
1973	909	841	1750	380	337	717	2467
1974	1011	936	1947	407	401	808	2755
1975	1168	1082	2250	421	417	838	3088
1976	1333	1234	2567	464	460	924	3491
1977	1506	1394	2900	508	503	1011	3911

The purpose of this restudy of college potential and enrollment was to bring up to date the data on high school graduates and to make certain projections of the available college potential and enrollment which might be expected in the three counties of Dade, Broward, and Palm Beach. It was assumed that the majority of students who would attend the proposed institution at Boca Raton would come from this area. This restudy is also based on the assumption that the proposed institution at Boca Raton would open as a third and fourth year college drawing most of its students from the junior college program.

#### High School Graduates

Without going into the details, the end of year enrollment figures were brought up to date and by the use of survival ratios the expected number in each of the grades was projected to 1975. Because the period 1950-1960 in Florida was one of high population growth due ~~to~~ primarily to high rates of in-migration, it was felt that three sets of projections for high school graduates would be advisable. Thus the high estimate based on rates of growth as exemplified in past trends was considered the high estimate. The medium estimated gives the high school graduates under the assumption of moderate in-migration and the low estimate of high school

graduates is based on <sup>in-</sup>no migration at all.  
 ^

### Estimated Enrollment

Estimates of enrollment are predicated on the assumption that Boca Raton will open in 1964 and will offer only junior and senior courses. It is assumed that the junior colleges in the area will be the primary source of enrollment for these upper level courses. It is extremely difficult to get estimates on actual experience of junior college graduates. The estimates of plans concerning junior college students indicate that approximately 75 per cent of those students in Dade county who are in junior college plan to continue their education. Also surveys of high school graduates in Dade county indicate that approximately 50 per cent plan to go to college. Given these limitations, the following arbitrary decisions were made in estimating the contribution that the three-county area would make to the institution at Boca Raton:

1. To determine the area's college potential, the percentage of males and females making 200 or above on the twelfth grade tests was applied to the area's high school graduates. *two years previous.*
2. It was assumed that 45 per cent of the college potential in 1962-1963 would attend college, *elsewhere* ~~but~~ would not be available <sup>again</sup> to the Boca Raton institution *in 1964.* *Ji.*

~~who would be available for as~~  
~~just in 1964~~



3. It was assumed that 30 per cent of the potential college students of 1962-1963 would be available to enroll as juniors in the Boca Raton institution in 1964.

In addition it was felt the Boca Raton institution would draw students from other areas in Florida. The detailed procedure for allocating students from the rest of Florida to the Boca Raton area is outlined in detail in the original report. In general the procedure was to allocate 5 per cent of the remaining students making over 200 on the Florida twelfth grade tests.

As the institution at Boca Raton would have both junior and senior enrollment, the question of attrition rates had to be resolved. From a study done by the U. S. Office of Education on

retention rates, it was estimated that ~~approximately 10 per cent~~ <sup>There was a loss of</sup> ~~loss by~~ <sup>between the</sup> ~~junior and senior years.~~ <sup>We considered this to be</sup> ~~was a high estimate but was used~~ <sup>enrollment figure.</sup> ~~to give a conservative estimate of enrollment.~~ <sup>The senior class</sup>

~~Thus in 1964,~~ <sup>of 1965 was derived by applying an attrition rate of 10% to</sup> ~~we were able to estimate the entering junior class by applying the~~ <sup>the previous senior class.</sup> ~~attrition rate of 10 per cent advanced this junior class to senior~~

~~status in 1965.~~ The entering junior class was estimated as previously described, and the total enrollment for 1965-1966 was the total of these two groups. This procedure was followed for the high and medium estimates of college enrollment. On the low estimates, the contribution from the rest of the state was estimated

to be only 2.5 per cent of the college potential for any one year.

#### Summary

The estimates given here rest on inconclusive data and arbitrary decisions, but any bias which this might present is on the conservative side. The one exception to the above statement is the estimate of high school graduates. In this case, the low estimates based on decreasing rates of survival from grade to grade, suggest that additional college facilities will be needed in the Boca Raton area by 1964 and that by 1975, the pressure will be so great on other institutions that more than 5 per cent of the state potential will be seeking admission to this institution.

COLLEGE ENROLLMENTS

<u>Fall</u>	<u>Florida</u>	<u>U.S.</u>
1950	33,875	2,296,992
1951	31,003	2,116,440
1952	35,969	2,148,284
1953	35,778	2,250,701
1954	38,536	2,499,750
1955	44,586	2,678,623
1956	45,370	2,946,985
1957	50,286	3,068,417
1958	56,082*	3,258,556
1959	60,121*	3,402,297
1960	68,172*	3,610,007

\*Does not include extension or off-campus enrollment.

FLORIDA STATE UNIVERSITY  
ENROLLMENT TRENDS

FALL 1954  
FALL 1955  
FALL 1956  
FALL 1957  
FALL 1958  
FALL 1959

15%

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Note--Enrollments here are reported by academic department and by level of instruction. Figures show the number of full-time students served--on campus. Full-time students are calculated by dividing the semester hours produced in undergraduate work by 15 and by dividing the semester hours produced in graduate work by 12.

FLORIDA STATE UNIVERSITY

ON-CAMPUS ENROLLMENTS IN INSTRUCTIONAL DEPARTMENTS

COLLEGE OF ARTS & SCIENCES

Number of Students

Department	Number of Students					
	Fall 1954	Fall 1955	Fall 1956	Fall 1957	Fall 1958	Fall 1959
<u>Anthro. and Archa.</u>						
Lower	9.00	12.00	13.25	4.59	7.00	18.00
Upper	4.00	7.00	3.50	3.59	4.20	8.20
Graduate	-----	-----	1.50	.50	1.75	2.25
TOTALS	<u>13.00</u>	<u>19.00</u>	<u>18.25</u>	<u>8.68</u>	<u>12.95</u>	<u>28.45</u>
<u>Art</u>						
Lower	75.00	88.00	66.00	64.20	61.79	73.93
Upper	28.00	33.00	33.00	45.46	42.40	46.07
Graduate	5.00	3.00	3.50	4.00	4.25	4.91
TOTALS	<u>108.00</u>	<u>124.00</u>	<u>102.50</u>	<u>113.66</u>	<u>108.44</u>	<u>124.91</u>
<u>Biological Sciences</u>						
Lower	265.00	272.00	336.00	321.83	333.97	390.47
Upper	28.00	38.00	45.50	43.06	50.06	52.93
Graduate	3.00	10.00	13.25	14.50	13.83	21.25
TOTALS	<u>296.00</u>	<u>320.00</u>	<u>394.75</u>	<u>379.39</u>	<u>397.86</u>	<u>464.65</u>
<u>Chemistry</u>						
Lower	113.00	117.00	121.50	157.45	177.45	197.20
Upper	28.00	48.00	36.75	42.46	45.53	45.27
Graduate	21.00	22.00	29.50	31.00	26.17	42.42
TOTALS	<u>162.00</u>	<u>187.00</u>	<u>187.75</u>	<u>230.91</u>	<u>249.15</u>	<u>284.89</u>
<u>Classics</u>						
Lower	5.00	4.00	3.75	3.07	3.80	4.20
Upper	5.50	6.00	10.50	6.80	9.20	5.80
Graduate	-----	1.00	1.50	.25	-----	-----
TOTALS	<u>10.50</u>	<u>11.00</u>	<u>15.75</u>	<u>10.12</u>	<u>13.00</u>	<u>10.00</u>
<u>Economics</u>						
Lower	84.00	110.00	124.00	103.19	110.79	118.80
Upper	28.00	32.00	37.50	65.99	52.79	47.80
Graduate	1.00	1.00	-----	.50	.50	-----
TOTALS	<u>113.00</u>	<u>143.00</u>	<u>161.50</u>	<u>169.68</u>	<u>164.08</u>	<u>166.60</u>
<u>English</u>						
Lower	401.00	430.00	422.00	393.36	418.42	476.80
Upper	33.00	38.00	58.00	68.39	79.59	96.20
Graduate	9.00	11.00	9.50	12.50	15.25	16.42
TOTALS	<u>443.00</u>	<u>479.00</u>	<u>489.50</u>	<u>474.25</u>	<u>513.26</u>	<u>589.42</u>
<u>Geography</u>						
Lower	43.00	50.00	52.50	68.79	78.39	82.40
Upper	32.00	33.00	16.75	9.13	16.60	12.40
Graduate	3.00	3.00	6.50	5.00	6.25	2.50
TOTALS	<u>78.00</u>	<u>86.00</u>	<u>75.75</u>	<u>82.92</u>	<u>101.24</u>	<u>97.30</u>
<u>Geology</u>						
Lower	81.00	92.00	95.00	60.86	53.73	75.07
Upper	14.00	29.00	38.50	39.20	32.80	21.20
Graduate	1.50	6.00	4.00	8.25	6.67	8.50
TOTALS	<u>96.50</u>	<u>127.00</u>	<u>137.50</u>	<u>108.31</u>	<u>93.20</u>	<u>104.77</u>
<u>History</u>						
Lower	235.00	268.00	444.50	393.96	428.76	468.40
Upper	30.00	30.00	28.50	47.60	64.79	70.20
Graduate	1.50	3.00	4.75	4.25	7.25	11.00
TOTALS	<u>266.50</u>	<u>301.00</u>	<u>477.75</u>	<u>445.81</u>	<u>500.80</u>	<u>549.60</u>

Department	Number of Students					
	Fall 1954	Fall 1955	Fall 1956	Fall 1957	Fall 1958	Fall 1959
<u>Humanities</u>						
Lower	239.00	245.00	168.00	260.17	257.17	292.47
Upper	-----	-----	-----	-----	-----	5.40
Graduate	-----	2.00	.25	.50	2.00	4.00
TOTALS	<u>239.00</u>	<u>247.00</u>	<u>168.25</u>	<u>260.67</u>	<u>259.17</u>	<u>301.87</u>
<u>Mathematics</u>						
Lower	273.00	323.00	350.00	386.09	332.63	409.47
Upper	23.00	28.00	48.50	60.19	70.53	82.20
Graduate	6.00	3.00	8.00	6.50	13.50	25.50
TOTALS	<u>302.00</u>	<u>354.00</u>	<u>406.50</u>	<u>452.78</u>	<u>416.66*</u>	<u>517.17</u>
<u>Meteorology</u>						
Lower	23.00	22.00	22.25	22.26	27.00	31.20
Upper	20.00	31.00	29.75	44.00	48.66	45.60
Graduate	10.50	9.00	11.75	11.50	19.33	15.08
TOTALS	<u>53.50</u>	<u>62.00</u>	<u>63.75</u>	<u>77.76</u>	<u>94.99</u>	<u>91.88</u>
<u>Modern Languages</u>						
Lower	98.00	105.00	103.00	108.39	139.65	178.73
Upper	23.00	24.00	26.75	22.40	23.00	34.80
Graduate	4.00	4.00	5.75	5.50	6.25	7.92
TOTALS	<u>125.00</u>	<u>133.00</u>	<u>135.50</u>	<u>136.29</u>	<u>168.90</u>	<u>221.45</u>
<u>Personal Development</u>						
Lower	33.00	32.00	16.50	7.20	13.40	12.80
Upper	-----	-----	-----	-----	-----	-----
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>33.00</u>	<u>32.00</u>	<u>16.50</u>	<u>7.20</u>	<u>13.40</u>	<u>12.80</u>
<u>Philosophy and Religion</u>						
Lower	45.00	59.00	24.75	29.20	28.40	29.20
Upper	9.00	7.00	14.75	22.20	31.13	29.40
Graduate	-----	2.00	3.25	1.33	1.25	2.50
TOTALS	<u>54.00</u>	<u>68.00</u>	<u>42.75</u>	<u>52.73</u>	<u>60.78</u>	<u>61.10</u>
<u>Physical Science</u>						
Lower	49.00	44.00	76.00	**	-----	-----
Upper	-----	-----	-----	-----	-----	-----
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>49.00</u>	<u>44.00</u>	<u>76.00</u>	-----	-----	-----
<u>Physics</u>						
Lower	55.00	67.00	65.25	71.96	101.46	88.17
Upper	4.00	6.00	14.50	12.67	25.86	35.07
Graduate	7.00	7.00	6.25	8.33	20.42	27.17
TOTALS	<u>66.00</u>	<u>80.00</u>	<u>86.00</u>	<u>92.96</u>	<u>147.74</u>	<u>150.41</u>
<u>Political Science (Government)</u>						
Lower	41.00	62.00	61.50	61.59	71.66	110.47
Upper	29.00	31.00	43.00	40.65	38.40	65.53
Graduate	2.50	3.00	3.25	7.00	5.25	15.50
TOTALS	<u>72.50</u>	<u>96.00</u>	<u>107.75</u>	<u>109.24</u>	<u>115.31</u>	<u>191.50</u>
<u>Psychology</u>						
Lower	169.00	219.00	197.25	213.38	189.98	223.60
Upper	57.00	77.00	82.75	111.19	96.72	84.87
Graduate	25.00	22.00	27.00	41.16	46.83	55.50
TOTALS	<u>251.00</u>	<u>318.00</u>	<u>307.00</u>	<u>365.73</u>	<u>333.53</u>	<u>363.97</u>

\*Engineering Science is reported separately in 1958.

\*\*Physical Science is not reported as a department beginning in 1957.

Department	Number of Students					
	Fall 1954	Fall 1955	Fall 1956	Fall 1957	Fall 1958	Fall 1959
<u>Social Science</u>						
Lower	49.00	47.00	226.50	215.38	192.78	180.00
Upper	-----	3.00	-----	-----	-----	--1.87
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>49.00</u>	<u>50.00</u>	<u>226.50</u>	<u>215.38</u>	<u>192.78</u>	<u>181.87</u>
<u>Speech</u>						
Lower	146.00	140.00	106.75	107.46	121.19	139.93
Upper	14.00	25.00	23.75	23.53	25.86	30.20
Graduate	<u>4.00</u>	<u>2.00</u>	<u>4.75</u>	<u>3.25</u>	<u>1.00</u>	<u>2.92</u>
TOTALS	<u>164.00</u>	<u>167.00</u>	<u>135.25</u>	<u>134.24</u>	<u>148.05</u>	<u>173.05</u>
<u>American Studies</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	1.75	-----	1.75	2.27	1.20	2.20
Graduate	-----	-----	.50	-----	-----	.20
TOTALS	<u>1.75</u>	-----	<u>2.25</u>	<u>2.27</u>	<u>1.20</u>	<u>2.40</u>
<u>Air Force ROTC</u>						
Lower	28.00	41.00	42.75	42.53	43.80	55.20
Upper	10.00	8.00	8.75	10.60	11.20	10.20
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>38.00</u>	<u>49.00</u>	<u>51.50</u>	<u>53.13</u>	<u>55.00</u>	<u>65.40</u>
<u>Army ROTC</u>						
Lower	14.00	20.00	18.25	18.80	22.54	25.73
Upper	8.00	8.00	11.50	14.79	14.00	12.20
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>22.00</u>	<u>28.00</u>	<u>29.75</u>	<u>33.59</u>	<u>36.54</u>	<u>37.93</u>
<u>Sociology</u>						
Lower	57.00	73.00	55.50	69.39	72.99	84.60
Upper	27.00	36.00	39.75	43.73	34.00	38.20
Graduate	<u>6.00</u>	<u>7.00</u>	<u>8.75</u>	<u>5.00</u>	<u>4.50</u>	<u>9.33</u>
TOTALS	<u>90.00</u>	<u>116.00</u>	<u>104.00</u>	<u>118.12</u>	<u>111.49</u>	<u>132.13</u>
<u>Engineering Science</u>						
Lower	-----	-----	-----	-----	30.80	21.00
Upper	-----	-----	-----	-----	2.75	2.80
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	-----	-----	-----	-----	<u>33.55</u>	<u>23.80</u>
<u>Statistics</u>						
Lower	-----	-----	-----	-----	-----	11.40
Upper	-----	-----	-----	-----	-----	17.40
Graduate	-----	-----	-----	-----	-----	1.00
TOTALS	-----	-----	-----	-----	-----	<u>29.80</u>
<u>Total Arts &amp; Sciences</u>						
Lower	2630.00	2942.00	3212.75	3185.10	3319.55	3799.24
Upper	456.25	578.00	654.00	779.90	821.27	904.01
Graduate	<u>110.00</u>	<u>121.00</u>	<u>153.50</u>	<u>170.82</u>	<u>202.25</u>	<u>275.87</u>
TOTALS	<u>3196.25</u>	<u>3641.00</u>	<u>4020.25</u>	<u>4135.82</u>	<u>4343.07</u>	<u>4979.12</u>

NOTE: Figures in this study have been rounded where necessary.

SCHOOL OF BUSINESS

<u>Department</u>	<u>Number of Students</u>					
	<u>Fall 1954</u>	<u>Fall 1955</u>	<u>Fall 1956</u>	<u>Fall 1957</u>	<u>Fall 1958</u>	<u>Fall 1959</u>
<u>Accounting</u>						
Lower	66.00	101.00	96.50	105.79	95.59	106.00
Upper	27.00	37.00	54.75	64.99	57.79	67.40
Graduate	1.33	4.00	4.00	2.33	1.00	1.25
TOTALS	94.33	142.00	155.25	173.11	154.38	174.65
<u>Baking Science and Management</u>						
Lower	4.00	7.00	6.00	3.40	3.07	3.20
Upper	7.00	7.00	9.75	10.26	7.40	4.67
Graduate	-----	-----	1.25	-----	.08	.75
TOTALS	11.00	14.00	17.00	13.66	10.55	8.62
<u>Business Law, Insurance &amp; Real Estate</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	79.00	116.00	160.50	160.59	132.79	125.00
Graduate	1.00	2.00	-----	.50	.17	.25
TOTALS	80.00	118.00	160.50	161.09	132.96	125.25
<u>Business Education &amp; Secretarial Science</u>						
Lower	45.00	55.00	59.75	54.93	49.60	52.07
Upper	47.00	72.00	75.50	92.60	83.66	85.87
Graduate	5.00	3.00	3.75	3.00	3.75	6.25
TOTALS	97.00	130.00	139.00	150.53	137.01	144.19
<u>Management, Finance &amp; Transportation</u>						
Lower	47.00	47.00	50.50	45.20	39.40	40.60
Upper	42.00	80.00	92.75	123.80	127.39	125.80
Graduate	.50	1.00	-----	1.50	2.25	8.50
TOTALS	89.50	128.00	143.25	170.50	169.04	174.90
<u>Marketing</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	55.00	60.00	89.75	100.19	85.72	75.47
Graduate	-----	.50	1.75	1.50	2.00	2.00
TOTALS	55.00	60.50	91.50	101.69	87.72	77.47
<u>Restaurant and Hotel Management</u>						
Lower	3.00	8.00	13.25	7.60	4.67	-----
Upper	24.00	35.00	40.25	44.79	38.86	37.33
Graduate	4.00	2.00	5.25	2.00	5.33	1.25
TOTALS	31.00	45.00	58.75	54.39	48.86	38.58
<u>Advertising, Communication, &amp; Public Relations</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	65.40
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	-----	-----	-----	-----	-----	65.40
<u>Total Business</u>						
Lower	165.00	218.00	226.00	216.92	192.33	201.87
Upper	281.00	407.00	523.25	597.22	533.61	586.94
Graduate	11.83	12.50	16.00	10.83	14.58	20.25
TOTALS	457.83	637.50	765.25	824.97	740.52	809.06



SCHOOL OF EDUCATION

<u>Department</u>	<u>Number of Students</u>					
	<u>Fall 1954</u>	<u>Fall 1955</u>	<u>Fall 1956</u>	<u>Fall 1957</u>	<u>Fall 1958</u>	<u>Fall 1959</u>
<u>Art Education</u>						
Lower	7.00	12.00	12.75	15.67	13.53	17.87
Upper	49.00	53.00	55.50	57.59	57.99	51.93
Graduate	3.00	2.00	3.75	-----	3.25	3.00
TOTALS	59.00	67.00	72.00	73.26	74.77	72.80
<u>Education</u>						
Lower	91.00	94.00	97.00	59.73	26.13	*
Upper	277.00	319.00	364.75	329.03	362.09	-----
Graduate	61.00	80.00	101.75	79.14	87.33	-----
TOTALS	429.00	493.00	563.50	467.90	475.55	-----
<u>Professional Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	78.60
Graduate	-----	-----	-----	-----	-----	2.25
TOTALS	-----	-----	-----	-----	-----	80.85
<u>Undergraduate and Professional</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	96.00
Graduate	-----	-----	-----	-----	-----	4.50
TOTALS	-----	-----	-----	-----	-----	100.50
<u>Administration, Supervision and Curriculum</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	187.53
Graduate	-----	-----	-----	-----	-----	39.42
TOTALS	-----	-----	-----	-----	-----	226.95
<u>Guidance and Counseling</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	12.20
Graduate	-----	-----	-----	-----	-----	3.75
TOTALS	-----	-----	-----	-----	-----	15.95
<u>Physical Education and Recreation</u>						
Lower	93.25	140.75	117.00	125.36	141.12	127.20
Upper	43.75	68.00	82.00	70.40	79.85	79.27
Graduate	3.00	9.00	11.00	11.75	7.92	14.92
TOTALS	140.00	217.75	210.00	207.51	228.89	221.39
<u>Health Education</u>						
Lower	29.00	34.00	28.00	34.00	41.80	42.60
Upper	33.00	34.00	33.75	30.80	29.00	30.27
Graduate	4.00	5.00	6.00	5.00	1.42	.83
TOTALS	66.00	73.00	67.75	69.80	72.22	73.70
<u>Higher Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	-----
Graduate	-----	-----	-----	-----	-----	15.25
TOTALS	-----	-----	-----	-----	-----	15.25
<u>Vocational and Adult Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	3.80
Graduate	-----	-----	-----	-----	-----	4.00
TOTALS	-----	-----	-----	-----	-----	7.80

\*Education has been separated in the Fall of 1959 to the various Departments.

Department	Number of Students					
	Fall 1954	Fall 1955	Fall 1956	Fall 1957	Fall 1958	Fall 1959
<u>Audio Visual Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	50.67
Graduate	-----	-----	-----	-----	-----	2.00
TOTALS	-----	-----	-----	-----	-----	52.67
<u>Educational Research and Testing</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	1.20
Graduate	-----	-----	-----	-----	-----	16.58
TOTALS	-----	-----	-----	-----	-----	17.78
<u>Education - Individual Study</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	-----	-----	-----	-----	-----	-----
Graduate	-----	-----	-----	-----	-----	4.50
TOTALS	-----	-----	-----	-----	-----	4.50
<u>Total Education</u>						
Lower	220.25	280.75	254.75	234.76	222.58	187.67
Upper	402.75	474.00	536.00	487.82	528.93	591.47
Graduate	71.00	96.00	122.50	95.89	99.92	111.00
TOTALS	694.00	850.75	913.25	818.47	851.43	890.14

SCHOOL OF HOME ECONOMICS

<u>Department</u>	<u>Number of Students</u>					
	<u>Fall 1954</u>	<u>Fall 1955</u>	<u>Fall 1956</u>	<u>Fall 1957</u>	<u>Fall 1958</u>	<u>Fall 1959</u>
<u>Clothing and Textiles</u>						
Lower	29.00	24.00	39.00	40.00	38.00	42.13
Upper	13.00	7.00	19.00	17.00	21.00	16.60
Graduate	.50	-----	1.25	.33	-----	1.75
TOTALS	<u>42.50</u>	<u>31.00</u>	<u>59.25</u>	<u>57.33</u>	<u>59.00</u>	<u>60.48</u>
<u>Food and Nutrition</u>						
Lower	41.00	46.00	48.50	44.00	36.86	42.00
Upper	8.00	14.00	8.75	9.93	10.13	10.20
Graduate	1.00	4.00	-----	2.75	4.33	3.92
TOTALS	<u>50.00</u>	<u>64.00</u>	<u>57.25</u>	<u>56.68</u>	<u>51.32</u>	<u>56.12</u>
<u>Home Demonstration Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	1.00	2.00	1.00	.60	1.40	2.20
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	<u>1.00</u>	<u>2.00</u>	<u>1.00</u>	<u>.60</u>	<u>1.40</u>	<u>2.20</u>
<u>Home Economics</u>						
Lower	-----	4.00	3.75	3.13	2.27	3.00
Upper	2.50	3.00	4.50	4.19	7.87	2.33
Graduate	2.25	-----	1.25	1.51	1.67	2.33
TOTALS	<u>4.75</u>	<u>7.00</u>	<u>9.50</u>	<u>8.83</u>	<u>11.81</u>	<u>7.66</u>
<u>Home Economics Education</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	5.50	5.00	14.50	9.73	11.20	16.40
Graduate	-----	1.00	-----	1.00	-----	-----
TOTALS	<u>5.50</u>	<u>6.00</u>	<u>14.50</u>	<u>10.73</u>	<u>11.20</u>	<u>16.40</u>
<u>Home and Family Life</u>						
Lower	20.00	23.00	14.00	15.67	19.13	16.67
Upper	33.00	37.00	46.75	42.93	49.53	43.60
Graduate	5.00	2.00	5.50	6.00	6.17	5.25
TOTALS	<u>58.00</u>	<u>62.00</u>	<u>66.25</u>	<u>64.60</u>	<u>74.83</u>	<u>65.52</u>
<u>Institution Administration</u>						
Lower	-----	-----	1.50	-----	-----	-----
Upper	4.00	4.00	2.75	1.80	2.40	2.80
Graduate	-----	-----	.50	.33	1.33	-----
TOTALS	<u>4.00</u>	<u>4.00</u>	<u>4.75</u>	<u>2.13</u>	<u>3.73</u>	<u>2.80</u>
<u>Total Home Economics</u>						
Lower	90.00	97.00	106.75	102.80	96.26	103.80
Upper	67.00	72.00	97.25	86.18	103.53	94.13
Graduate	8.75	7.00	8.50	11.92	13.50	13.25
TOTALS	<u>165.75</u>	<u>176.00</u>	<u>212.50</u>	<u>200.90</u>	<u>213.29</u>	<u>211.18</u>

SCHOOL OF JOURNALISM

Department	Number of Students					
	Fall 1954	Fall 1955	Fall 1956	Fall 1957	Fall 1958	Fall 1959
<u>Journalism</u>						
Lower	34.00	31.00	28.75	25.20	11.58	-----
Upper	27.00	28.00	39.50	39.99	39.46	-----
Graduate	.67	2.00	1.50	3.33	.75	-----
TOTALS	61.67	61.00	69.75	68.52	51.79	-----
<u>Advertising</u>						
Lower	-----	-----	-----	-----	-----	-----
Upper	16.50	19.00	31.75	42.00	30.37	-----
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	16.50	19.00	31.75	42.00	30.37	-----
<u>Total Journalism</u>						
Lower	34.00	31.00	28.75	25.20	11.58	*
Upper	43.50	47.00	71.25	81.99	69.83	-----
Graduate	.67	2.00	1.50	3.33	.75	-----
TOTALS	78.17	80.00	101.50	110.52	82.16	-----
<u>Library School</u>						
Lower	-----	-----	-----	-----	1.07	19.33
Upper	58.00	71.00	66.75	78.00	95.33	46.40
Graduate	26.00	26.00	28.50	33.58	35.42	29.92
TOTALS	84.00	97.00	95.25	111.58	131.82	95.65
<u>Music School</u>						
Lower	179.00	192.00	177.00	170.76	164.12	164.30
Upper	101.00	112.00	112.00	119.40	108.86	116.87
Graduate	28.00	27.00	25.00	35.58	32.42	39.25
TOTALS	308.00	331.00	314.00	325.74	305.40	320.42
<u>Nursing School</u>						
Lower	6.00	6.00	7.75	17.40	9.80	11.60
Upper	19.00	20.00	43.50	59.40	72.46	87.13
Graduate	-----	-----	-----	-----	-----	-----
TOTALS	25.00	26.00	51.25	76.80	82.26	98.73
<u>School of Public Administration</u>						
Lower	8.00	10.00	14.75	12.00	13.00	*
Upper	18.00	17.00	20.25	28.80	23.40	-----
Graduate	5.00	1.00	1.75	6.25	12.83	-----
TOTALS	31.00	28.00	36.75	47.05	49.23	-----
<u>School of Social Welfare</u>						
Lower	59.00	68.00	42.50	39.40	51.39	53.20
Upper	72.00	92.00	109.25	126.87	141.59	139.87
Graduate	61.00	64.00	73.50	115.42	142.33	159.29
TOTALS	192.00	224.00	225.25	281.69	335.31	352.36
<u>Human Development**</u>						
Lower	-----	-----	-----	-----	4.93	9.40
Upper	-----	1.00	1.00	.07	-----	.20
Graduate	-----	3.00	2.75	5.33	5.00	16.00
TOTALS	-----	4.00	3.75	5.40	9.93	25.60
<u>TOTAL UNIVERSITY</u>						
Lower	3391.25	3844.75	4071.00	4004.34	4086.61	4550.41
Upper	1518.50	1891.00	2234.50	2445.65	2498.81	2567.02
Graduate	322.25	359.50	433.50	488.95	559.00	664.83
GRAND TOTALS	5232.00	6095.25	6739.00	6938.94	7144.42	7782.26

\*The Schools of Journalism and Public Administration have been discontinued.

\*\*Human Development is a research unit which also teaches several classes serving separate schools.

WHAT THE TOP FIFTEEN PERCENT STUDIED  
Florida White Public High School Graduates  
1959

STATE DEPARTMENT OF EDUCATION

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Prepared by

Research Section  
Division of Teacher Education,  
Certification, and Accreditation  
State Department of Education

January, 1960

## WHAT THE TOP FIFTEEN PERCENT STUDIED

The purpose of this paper was to report high school courses taken by the top 15% of 1959 Florida white public high school graduates.

The composite score made on tests administered under the Florida State-Wide Twelfth Grade Testing Program was the single criterion used for the selection of the students whose records were to be used in the study. Test results were available for 27,192, or 96.3% of all white high school seniors in the state.

Questionnaires were mailed to the 4,013 white seniors (14.8% of all those tested) who made total scores of 400 or more on the senior tests. Each student was asked to indicate specific courses taken in high school and to give reasons for choosing or not choosing certain courses. Usable questionnaires were returned by 2,971, or 74.0%, of the group.

In each of 171 schools, at least one senior made a total score of 400 or more on the tests. Completed questionnaires were returned from 146 of these schools.

The number and percent of respondents who took various combinations of courses during the last four years of high school in language arts, social studies, mathematics, and science are shown in Table 1.

Combinations of data found in Table 1 reveal that:

- 1) 2,921 (98.3%) took at least 4 courses in language arts.
- 2) 50 (1.7%) took 3 courses in language arts.
- 3) 947 (31.9%) took at least 4 courses in social studies.
- 4) 1,366 (46.0%) took 3 courses in social studies.
- 5) 658 (22.1%) took 2 courses in social studies.

TABLE 1

COMBINATION OF COURSES TAKEN IN CERTAIN AREAS BY THE TOP 15% OF 1959 FLORIDA PUBLIC HIGH SCHOOL SENIORS\*

Number Courses in Each Subject Area				Number of Students	Percent of Respondents	Number Courses in Each Subject Area				Number of Students	Percent of Respondents
Lan. Arts	Soc. Studies	Mathematics	Science			Lan. Arts	Soc. Studies	Mathematics	Science		
4	4	4	4	261	8.8	4	2	2	4	6	0.2
4	4	4	3	175	5.9	4	2	2	3	19	0.6
4	4	4	2	69	2.3	4	2	2	2	16	0.5
4	4	4	1	7	0.2	4	2	2	1	6	0.2
4	4	3	4	74	2.5	4	2	1	2	1	0.0+
4	4	3	3	109	3.7						
4	4	3	2	94	3.2	3	4	4	4	1	0.0+
4	4	3	1	31	1.0						
4	4	2	4	14	0.5	3	4	3	3	5	0.2
4	4	2	3	30	1.0	3	4	3	2	2	0.1
4	4	2	2	41	1.4	3	4	2	4	1	0.0+
4	4	2	1	17	0.6	3	4	2	1	3	0.1
4	4	1	4	3	0.1	3	4	1	1	2	0.1
4	4	1	3	6	0.2						
4	4	1	2	1	0.0+	3	3	4	4	2	0.1
4	4	1	1	1	0.0+	3	3	4	3	5	0.2
						3	3	4	2	1	0.0+
4	3	4	4	459	15.4						
4	3	4	3	360	12.1	3	3	3	4	1	0.0+
4	3	4	2	112	3.8	3	3	3	3	1	0.0+
4	3	4	1	18	0.6	3	3	3	2	6	0.2
						3	3	3	1	2	0.1
4	3	3	4	56	1.9						
4	3	3	3	113	3.8	3	3	2	3	1	0.0+
4	3	3	2	113	3.8	3	3	2	1	2	0.1
4	3	3	1	28	0.9						
						3	3	1	2	1	0.0+
4	3	2	4	7	0.2						
4	3	2	3	21	0.7	3	2	4	4	3	0.1
4	3	2	2	37	1.2	3	2	4	3	1	0.0+
4	3	2	1	16	0.5						
						3	2	3	4	1	0.0+
4	3	1	4	1	0.0+	3	2	3	3	2	0.1
4	3	1	2	3	0.1	3	2	3	2	1	0.0+
						3	2	3	1	3	0.1
4	2	4	4	227	7.6						
4	2	4	3	167	5.6	3	2	2	2	1	0.0+
4	2	4	2	55	1.9	3	2	2	1	2	0.1
4	2	4	1	8	0.3						
4	2	3	4	28	0.9						
4	2	3	3	47	1.6						
4	2	3	2	48	1.6						
4	2	3	1	16	0.5						

\*Based upon questionnaires returned by 74% of the group.

- 6) 1,931 (65.0%) took at least 4 courses in mathematics.
- 7) 781 (26.3%) took 3 courses in mathematics.
- 8) 240 (8.1%) took 2 courses in mathematics.
- 9) 19 (0.6%) took 1 course in mathematics.
- 10) 1,145 (38.5%) took at least 4 courses in science.
- 11) 1,062 (35.7%) took 3 courses in science.
- 12) 602 (20.3%) took 2 courses in science.
- 13) 162 (5.5%) took 1 course in science.
- 14) 261 (8.8%) took at least 4 courses in each of the four areas of language arts, social studies, mathematics, and science.
- 15) 953 (32.1%) took at least 4 courses in each of the areas of mathematics and science.
- 16) 868 (29.2%) took 7 courses in the combined areas of mathematics and science.
- 17) 542 (18.2%) took a total of 6 courses in the combined areas of mathematics and science.
- 18) 608 (20.4%) took a total of 5 courses or less in the combined areas of mathematics and science.

#### Foreign Languages

In addition to courses in the areas mentioned above 2,515 students (84.7%) reported taking courses in foreign languages. Of these students, 730 (29%) studied two or more foreign languages. Data relating to the number and percent of respondents taking courses in languages are presented in Tables 2-7.



TABLE 2

NUMBER OF COURSES IN FOREIGN LANGUAGES TAKEN BY RESPONDENTS

Number of Courses	No. of Students	% of Respondents
4 courses or more	429	14.4
3 courses	320	10.8
2 courses	1,497	50.4
1 course	269	9.1
No course	456	15.3

TABLE 3

NUMBER OF RESPONDENTS WHO TOOK COURSES IN LATIN

4 Years	3 Years	2 Years	1 Year	At Least One Other Language
29				
5				5
	60			
	26			26
		698		
		354		354
			105	
			92	92
TOTAL 34	86	1,052	197	677

A grand total of 1,369 (46.1% of respondents) studied Latin for at least one year and 677 of these studied at least one additional language.

TABLE 4

NUMBER OF RESPONDENTS WHO TOOK COURSES IN FRENCH

4 Years	3 Years	2 Years	1 Year	At Least One Other Language
11				
5				5
	20			
	15			15
		104		
		157		157
			29	
			62	62
TOTALS 16	35	261	91	239

A grand total of 403 (13.6% of respondents) studied French for at least one year and 239 of these studied at least one additional language.

TABLE 5  
NUMBER OF RESPONDENTS WHO TOOK COURSES IN SPANISH

4 Years	3 Years	2 Years	1 Year	At Least One Other Language
35				
3				3
	84			
	19			19
		661		
		242		242
			131	
			80	80
TOTALS 38	103	903	211	344

A grand total of 1,255 (42.2% of respondents) studied Spanish for at least one year and 344 of these studied at least one additional language.

TABLE 6  
NUMBER OF RESPONDENTS WHO TOOK COURSES IN GERMAN

4 Years	3 Years	2 Years	1 Year	At Least One Other Language
	3			
		11		
		12		12
			3	
			14	14
TOTALS	3	23	17	26

A grand total of 43 (1.4% of respondents) studied German for at least one year and 26 of these studied at least one additional language.

Number of Respondents Who Took Courses in Russian

Seven students reported studying Russian for one year. Six of these took courses in at least one other language in high school.

TABLE 7

NUMBER OF COURSES IN FOREIGN LANGUAGES OTHER THAN LATIN TAKEN BY RESPONDENTS

Number of Courses	No. of Students	% of Respondents
4 courses or more	98	3.3
3 courses	160	5.4
2 courses	1,096	36.9
1 course	268	9.8
No course	1,349	45.4

A complete summary of all courses taken by the 2,971 students who returned usable questionnaires is presented in Table 8.

TABLE 8

COURSES TAKEN BY THE TOP 15% OF 1959  
FLORIDA PUBLIC HIGH SCHOOL SENIORS\*

Course Title	No. of Students	% of Respondents	Course Title	No. of Students	% of Respondents
English I	2,971	100.0	Typing I	1,383	46.5
II	2,971	100.0	II	131	4.4
III	2,971	100.0	Shorthand I	178	6.0
IV	1,935	65.1	II	43	1.4
Acc. or Coll. Eng.	902	30.4	Bookkeeping I	188	6.3
Dramatics	126	4.2	II	11	0.4
Journalism	299	10.1	Office Practice	105	3.5
Speech	560	18.8	Business Econ.	4	0.1
Other Lan. Arts	170	5.7	Business Law	47	1.6
Civics	1,990	67.0	Business Eng.	32	1.1
World History	1,895	63.8	Bus. Organ. & Man.	2	0.1
Amer. History	2,847	95.8	Other Bus. Educ.	24	0.8
Amer. Gov.	476	16.0	Agriculture I	95	3.2
Amer. Hist. & Gov.	319	10.7	II	56	1.9
Prob. of Amer. Dem.	618	20.8	III	24	0.8
Economics	174	5.9	IV	11	0.4
Sociology	183	6.2	Homemaking I	1,040	35.0
Psychology	569	19.2	II	162	5.5
Other Soc. Stud.	423	14.2	III	28	0.9
Gen. Math. I	218	7.3	IV	6	0.2
II	35	1.2	General Shop	367	12.4
Business Arith.	99	3.3	Crafts	41	1.4
Algebra I	2,908	97.9	Drafting	505	17.0
II	2,629	88.5	Woodwork	127	4.3
III	368	12.4	Metal Work	77	2.6
Plane Geom.	2,699	90.8	Power Mechanics	9	0.3
Solid Geom.	1,306	44.0	Electricity	20	0.7
Trigonometry	1,694	56.8	Electronics	27	0.9
Senior Math.	208	7.0	Other Ind. Arts	84	2.8
Analytic Geom.	150	5.0	Voc. & Tech. Ed. I	6	0.2
Calculus	86	2.9	II	4	0.1
Funct. Math. I	100	3.4	III	3	0.1
II	54	1.8	IV	1	0.0+
III	16	0.5	Diversified Occup.	41	1.4
IV	21	0.7	Art I	314	10.7
Other Math.	67	2.3	II	100	3.4
Gen. Science I	1,588	53.5	III	32	1.1
II	70	2.4	IV	17	0.6
Biology I	2,797	94.1	Other Art	20	0.7
II	103	3.5	Band I	564	19.0
Chemistry I	2,437	82.0	II	440	14.8
II	108	3.6	III	334	11.3
Physics I	1,802	60.6	Orchestra I	88	3.0
II	38	1.3	II	50	1.7
Physical Sci.	143	4.8	III	30	1.0
Other Science	154	5.2	Choral Music I	533	17.9
Latin I	1,369	46.1	II	264	8.9
II	1,172	39.4	III	142	4.8
III	120	4.0	Music Theory I	54	1.8
IV	34	1.1	II	3	0.1
French I	403	13.6	Music Apprec.	49	1.6
II	312	10.5	Other Music	144	4.8
III	51	1.7	Driver Educ.	834	28.1
IV	16	0.5	Physical Ed. I	2,971	100.0
Spanish I	1,255	42.2	II	2,971	100.0
II	1,044	35.1	III	1,429	48.1
III	141	4.7	IV	671	22.6
IV	38	1.3	R. O. T. C.	5	0.2
German I	43	1.4	Religion	4	0.2
II	26	0.9	Library Sci.	10	0.3
III	3	0.1	Health	7	0.2
Russian I	7	0.2	Bible	10	0.3
Consumer Educ.	19	0.6	Hebrew I	1	0.0+
General Business	68	2.3	II	1	0.0+
Personal Typing	437	14.7			

\*Based upon questionnaires returned by 71% of the group.