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## College accounting testing program bulletin no. 39; Results of the spring, 1960, college accounting testing program, July, 1960

American Institute of Certified Public Accountants. Committee on Personnel Testing

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THE AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS  
COLLEGE ACCOUNTING TESTING PROGRAM

Bulletin No. 39

*July*

RESULTS OF THE  
SPRING, 1960, COLLEGE ACCOUNTING TESTING PROGRAM

Prepared by  
Committee on Personnel Testing  
21 Audubon Avenue  
New York 32, N. Y.

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COLLEGE ACCOUNTING TESTING PROGRAM

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## INSTITUTIONS PARTICIPATING IN 1960 SPRING PROGRAM

Adams State College	Elizabethtown College
Adelphi College	Emory and Henry College
A & M College of Texas	Evangel College
University of Akron	Evansville College
University of Alabama	Fairfield University
Alpena Community College	Fenn College
American Institute of Business	Flint College
Arkansas State College	Flint Junior Community College
Ashland College	Florence State College
Assumption University of Windsor	Florida Southern College
Aurora College	Franklin and Marshall College
Austin Junior College	Freeman Business School
Ball State Teachers College	Gannon College
Baltimore Junior College	Globe Business College
University of Baltimore	Greenville College
Bay City Junior College	Hamilton College
Bellarmino College	Hampton Institute
Beloit College	Hanover College
Bentley School of Accounting & Finance	Hardin-Simmons University
Bluefield College	Harpur College
Bowling Green State University	Hastings College
Bradley University	Hillyer College
Bridgewater College	Hofstra College
Brigham Young University	College of the Holy Cross
Brooklyn College	Hope College
Bryant College	Humboldt State College
California College of Commerce	College of Idaho
California State Polytechnic College	Idaho State College
University of California, Los Angeles	Illinois State Normal University
Calvin College	Interamerican University
Canisius College	Iona College
Carroll College	State University of Iowa
Carson-Newman College	Ithaca College
Catawba College	Jackson Junior College
Central Michigan University	Jacksonville University
Chaffey College	Jamestown College
University of Chattanooga	Kansas State Teachers College
Clark College	Lafayette College
Colorado College	Lamar State College of Technology
Colorado State College	La Verne College
Concord College	Lawrence College
Dana College	Lebanon Valley College
Dartmouth College	Lee College
David Lipscomb College	Lehigh University
University of Dayton	University of Louisville
De Paul University	Lubbock Christian College
De Pauw University	Luther College
University of Detroit	Manchester College
Dickinson College	Marquette University
Drake University	University of Maryland
Drexel Institute of Technology	University of Massachusetts
East Carolina College	Memphis State University
Eastern Washington College of Education	Merrimack College

## INSTITUTIONS PARTICIPATING IN 1960 SPRING PROGRAM (CONTINUED)

Mexico City College	Sam Houston State Teachers College
University of Miami	San Benito College
Midland College	San Diego Junior College
Millikin University	City College of San Francisco
University of Minnesota	University of San Francisco
University of Mississippi	University of Santa Clara
Monmouth College	Sawyer Schools of Commerce
Moravian College	University of Scranton
Muskegon School of Business	Seton Hall University
Morningside College	Shasta College
Nasson College	Siena College
University of Nevada	University of South Carolina
New York State Ag.-Tech. Institute	State University of South Dakota
Niagara University	Southern Illinois University
University of North Carolina	Southwestern Louisiana Institute
North Central College	Southwestern University
Northern State Teachers College	Spencerian College
University of Omaha	Spring Hill College
Orange County Community College	State College, Indiana, Pennsylvania
College of the Pacific	Stevens Henager College
Pacific Lutheran College	Strayer Junior College of Finance
Pacific Union College	Susquehanna University
Palomar College	Syracuse University
Peirce School of Business Administration	Taylor University
Pennsylvania Military College	Temple University
University of Pennsylvania	Texas Christian University
Portland State College	Texas College of Arts and Industries
Portland University	Texas Lutheran College
Providence College	Tri-State College
Queens College	Tulane University
Regis College (Colorado)	Union College
Regis College (Massachusetts)	Union Junior College
University of Rhode Island	Upper Iowa University
University of Richmond	Upsala College
Rider College	Villa Madonna College
Riverside City College	Virginia Junior College
Rochester Institute of Technology	Virginia Polytechnic Institute
University of Rochester	University of Virginia
Roosevelt University	Wake Forest College
Rutgers, The State University	Walla Walla College
St. Ambrose College	Walsh Institute of Accountancy
St. Francis College (New York)	Washington and Lee University
St. Francis College (Pennsylvania)	Washington State University
St. John Fisher College	Western Michigan University
St. John's University	Western State College of Colorado
St. Joseph's College	West Liberty State College
St. Martin's College	West Texas State College
St. Mary's College	West Virginia University
St. Mary's University	West Virginia Wesleyan College
St. Michael's College	Wheaton College
St. Norbert College	College of William and Mary
St. Olaf College	Wisconsin State College
St. Vincent College	University of Wisconsin-Milwaukee
Salisbury Business College	University of Wyoming

## INTRODUCTION

More than two hundred colleges participated in the AICPA fourteenth annual spring College Accounting Testing Program, which featured achievement tests for evaluating student progress in learning the principles and procedures of accounting. Some aptitude tests and interest inventories were also used, making a total of 12,597 tests administered by 214 colleges. As shown in Table I, the program was not as large as those of the four previous years, and it fell behind the 1959 spring program by about six per cent in testing volume and about nine per cent in the number of participating colleges.

TABLE I  
Volume of Tests Used and Number of Participating Colleges  
in Spring Program During Past Five Years

Test	1960	1959	1958	1957	1956
Orientation Test	1,091	1,113	1,214	1,112	2,215
Achievement Test, Level I	8,778	9,479	9,559	8,660	10,424
Achievement Test, Level II	2,553	2,689	2,729	2,716	2,350
Strong Vocat. Interest Blank	175	117	152	284	318
Total	12,597	13,398	13,654	12,772	15,307
No. of Colleges	214	234	214	217	219

The relative amount of use of the various types of tests was: Level I Achievement, 70 per cent; Level II Achievement, 20 per cent; Orientation Test, 9 per cent; and Strong Vocational Interest Blank, 1 per cent. These percentages correspond closely with those of the preceding spring program. Of the 8,778 Level I tests used this spring, 4,601, or 52 per cent, were the two-hour Form A, and 4,177, or 48 per cent, were the fifty-minute Form A-S. A new form (E) of the Level II Achievement Test was introduced this spring, and this form accounted for 53 per cent of the higher level Achievement Tests administered. Twenty-seven per cent of the Level II tests were Form B, a four-hour form, and 20 per cent were Form D, a two-hour form.

TABLE II  
Participation, by Types of Colleges, in 1959 and 1960 Spring Programs

Type of College	1960 Spring Program		1959 Spring Program	
	Number	Per Cent	Number	Per Cent
Liberal Arts Colleges	103	48.1	120	51.3
Schools of Business in Universities	61	28.5	61	26.0
Business Schools	13	6.1	18	7.7
Junior Colleges	16	7.5	13	5.6
Technical Colleges	14	6.5	13	5.6
Teachers Colleges	7	3.3	9	3.8
Total	214	100.0	234	100.0

Again this year, close to half of the participating institutions were liberal arts colleges, and more than a fourth were schools of business in universities (Table II). Junior colleges, technical colleges, and teachers colleges made up the other 23 per cent, as they did last spring.

Although the number of participating institutions in the North Central region was ten less than in the preceding spring program, this region continues to have the largest representation, with its sixty-seven participating colleges forming almost a third of the total. As shown in Table III, the number of southern college participants was the same as last year, but this region now ranks second in representation, followed by the Middle Atlantic, West, and New England regions. Forty-three states, Canada, and Mexico were represented in the program this spring.

TABLE III

Participation, by Geographical Regions, in 1959 and 1960 Spring Programs

Region	1960 Spring Program		1959 Spring Program	
	Number	Per Cent	Number	Per Cent
New England	13	6.0	15	6.4
Middle Atlantic	45	21.0	55	23.5
North Central	67	31.3	77	33.0
South	50	23.4	50	21.4
West	37	17.3	34	14.5
Canada	1	0.5	1	0.4
Mexico	1	0.5	1	0.4
Philippines			1	0.4
Total	214	100.0	234	100.0

The total number of tests used in the fall, midyear, and spring programs of the 1959-60 academic year was 23,679, which was about 10 per cent less than the 1958-59 volume of 26,344 tests.

The updating of the aptitude and achievement tests is moving ahead on schedule. The trial edition of Form E of the Level II Achievement Test was well received this spring, and another two-hour form of this test will be introduced soon. A revision of the Orientation Test is scheduled to be offered for use in the 1960 fall program.

In recent months, a number of accounting and industrial firms have shown increased interest in using the Institute's college and professional testing program results for the evaluation of employment applicants. The testing project office is continuing its established practice of reporting the college program scores of individuals to interested employers when it has the authorization of the individual concerned.



## SUMMARY OF TEST RESULTS

Distributions of the scores and college medians for the recommended forms of the achievement and aptitude tests used in the 1960 spring program are shown in Tables IV-XIV on the following pages. In accordance with the customary procedure, the results obtained from tests administered to students on a voluntary participation basis are reported in separate distributions. Participation is regarded to have been on a voluntary basis when less than 90 per cent of the students in a given class took the test.

The median scores for this program are marked by the short, horizontal lines at the middle of the distributions, and the norm medians are designated by the broken lines extending across the distribution columns. The norm medians are based on the scores of individuals who took the same forms of the tests in recent spring programs, except for Form E of the Level II Achievement Test, which was used for the first time this spring.

At the foot of each distribution column, the statistics show the number of students tested and the number of participating institutions, the median and range of scores, and, for distributions containing fifteen or more frequencies, the quartiles and tenth and ninetieth percentile points. The range between the quartiles, covering the middle half of the distribution, is also indicated by the vertical line adjacent to the column of frequencies in each table.

The program results are summarized briefly below.

Level I Achievement Test, Form A-S. - The distribution of scores and class medians for first- and second-year students who took the fifty-minute A-S form of the Level I Achievement Test on a required participation basis are shown in Table IV. At the first-year level, the median for the group of 3,283 students is within a point of the norm median. The smaller group of 218 second-year students has a median which is about two and one-half points above the norm median. For the 158 first-year students who took the test on a voluntary basis, the median falls below the norm median by several points (Table V).

Level I Achievement Test, Form A. - As was the case for the fifty-minute form, the two-hour Form A median on the Level I Achievement Test for the sizable group of first-year students closely approximates the norm median based on the results of recent spring programs (Table VI). The second-year median for required testing is about three points low and the third-year median is four points high as compared with the corresponding norm medians. For the voluntary participation groups (Table VII), the first-year median surpasses the norm median by some five points, while the second-year median is less favorable, falling about two points below that of the first-year group and near the first-year norm median. It should be noted that the second-year voluntary participation group was quite small this spring, consisting of only fifty-two students.

Level II Achievement Test, Form E. - Since Form E of the Level II Achievement Test was new this spring, the norms are based on the results of this program alone. Judging from the results shown in Tables VIII and IX, the test is suitable in difficulty for use with second, third, and senior year classes. The scores of the 236 students in the second- and third-year combined group, and of the 890 seniors who took the test on a required participation basis, are distributed over a wide range, and there is no concentration of scores at either

end of the distributions. The median for the group of 121 seniors who took this test on a voluntary participation basis is quite close to that of the seniors in the required participation group, and the medians of both of these groups are a little more than five points above that of the combined second- and third-year group.

Level II Achievement Test, Form B. - The results of the four-hour Form B of the Level II Achievement Test for senior accounting students are shown in Table X. As in previous years, the scores on this test are spread over a wide range. The scores of the 602 seniors who took the test on a required basis are rather evenly distributed about the norm median, while about three-fifths of those who took the test voluntarily have scores in the upper half of the norms.

Level II Achievement Test, Form D. - While Form E was the two-hour form of the Level II Achievement Test that was recommended for use this spring, Form D was used by a few colleges that wanted to be able to compare the results with those of earlier programs. The results for this form are shown in Tables XI and XII. The scores of the second- and third-year students in the required participation group tend to run quite high on this test, with more than two-thirds of them surpassing the norm median. The median score of the seniors tested on a required participation basis is not quite up to the established norm median, but the difference is not large. It is interesting to find that for both the combined second- and third-year group and the senior group tested on a voluntary participation basis, the medians are somewhat low in relation to the norm medians.

Orientation Test, Form A. - Form A of the Orientation Test was administered on a required participation basis to 552 students in eleven colleges and on a voluntary participation basis to 271 students in ten colleges. The distributions of verbal, quantitative, and total scores for these groups are shown in Tables XIII and XIV.

The medians for the required participation group run below the norm medians on each of the three scales. For the voluntary participation group, the verbal aptitude median is near but slightly above the norm median, while the quantitative and total score medians are several points above the norm medians.

On the whole, the results of tests administered on a required participation basis this spring are not substantially different from those of earlier spring programs. The medians of the sizable groups of more than 3,000 students who took the fifty-minute and two-hour forms of the Level I Achievement Test are almost up to the norm medians based on the 1956-1959 programs. The second-year I-A median and the senior II-B median, reflecting the test performance of more than 600 students each, were also nearly as high as the norm medians. The Orientation Test results suggest that the aptitude level of the students in the participating colleges may not be quite as high as that reported in previous spring programs.

Copies of this bulletin, marked to show the placement of the college's own medians, will be sent to each participating institution.

TABLE IV

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST, LEVEL I,  
FORM A-S, IN CLASSES WHERE THE TEST WAS REQUIRED OR WHERE  
90 PER CENT OR MORE TOOK IT ON A VOLUNTARY BASIS

Score	F I R S T Y E A R		S E C O N D Y E A R	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
60	1		1	
58	8		3	
56	19		6	
54	26		5	
52	64		12	
50	51		8	
48	92		18	1
46	108		15	1
44	159		15	
42	152	3	8	
40	210	4	20	3
38	152	4	5	
36	229	9	17	1
34	176	9	9	
32	243	7	13	1
30	173	6	9	
28	231	9	10	
26	185	3	5	
24	194	4	10	1
22	138	4	4	
20	140	3	8	
18	112		5	
16	120		3	
14	80		1	
12	67		2	
10	54		3	
8	37		1	
6	21		1	
4	11			
2	12		1	
0-1	18			
Total	3283	65	218	8
Q3	40.7	36.8	47.8	
Md	32.4	33.0	40.2	40.7
Q1	24.1	28.5	30.1	
Range	0-60	20.2-43.0	3-60	24.9-48.7
10 %ile	16.5	23.8	21.2	
90 %ile	46.8	40.3	52.9	

----Median, combined spring programs, 1956 through 1959

TABLE V

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL I, FORM A-S, IN FIRST YEAR CLASSES WHERE LESS THAN  
90 PER CENT VOLUNTARILY TOOK THE TEST

Score	Scores of Individuals	Medians of Colleges
60		
58		
56		
54	1	
52		
50	1	
48	4	
46	7	
44	10	1
42	8	
40	7	
38	5	
36	10	1
34	12	1
32	5	1
30	9	2
28	11	
26	6	
24	7	
22	6	
20	7	1
18	5	1
16	13	
14	6	
12	4	
10	3	
8	3	
6	2	
4	5	
2		
0-1	1	
Total	158	8
Q3	39.4	
Md	30.0	32.0
Q1	19.0	
Range	1-54	19.0-44.0
10 %ile	12.9	
90 %ile	45.4	

-----Median, combined spring programs, 1956-1959

TABLE VI

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST, LEVEL I,  
FORM A, IN CLASSES WHERE THE TEST WAS REQUIRED OR WHERE  
90 PER CENT OR MORE TOOK IT ON A VOLUNTARY BASIS

Score	FIRST YEAR		SECOND YEAR		THIRD YEAR	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
120						
117						
114	1					
111	1		2			
108	2		1		1	
105	5		2		1	
102	9		2		1	
99	14		10		1	
96	24		14	1	1	
93	26		22		5	
90	29		14		6	
87	49		25	1	3	
84	57		19		3	1
81	81		28		4	1
78	83	1	32	2	5	
75	103	1	48	2	6	1
72	120	1	36	2	7	1
69	131	6	40	2	4	1
66	166	2	46	3	2	
63	169	2	48	5	2	
60	187	7	49	1	2	
57	228	6	40	4	5	
54	190	6	34	2	3	
51	221	14	31	1	1	
48	178	5	26		3	
45	183	5	27	1	1	
42	164	4	23			
39	169	2	11			
36	148	2	14			
33	131	2	14			
30	126	1	7			
27	114	1	5			
24	74		3			
21	63		1		1	
18	59		5			
15	44					
12	30		2			
9	28					
6	21					
3	4					
0-2	6					
Total	3438	68	681	27	68	5
Q3	66.8	61.3	78.1	73.9	89.0	
Md	53.4	53.6	66.0	65.7	76.5	76.5
Q1	39.2	48.0	54.1	59.1	64.5	
Range	0-114	27.0-79.5	12-112	47.3-96.0	22-108	70.5-85.5
10 %ile	27.4	40.2	42.8	55.1	54.8	
90 %ile	79.3	70.1	89.9	80.0	94.9	

----Median, combined spring programs, 1956 through 1959

TABLE VII

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL I, FORM A, IN CLASSES WHERE LESS THAN  
90 PER CENT VOLUNTARILY TOOK THE TEST

Score	FIRST YEAR		SECOND YEAR	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
120				
117				
114				
111	1			
108				
105				
102				
99	2		1	
96			1	
93	1		1	
90	1			
87	3		1	
84	4			
81	8		1	
78	5	1		
75	7		1	
72	12		1	
69	11		4	
66	11		4	
63	11	1	1	
60	14	3	1	
57	21	2	9	3
54	16	2	2	
51	14		4	
48	9	1	5	1
45	11		1	
42	4		3	
39	7		2	
36	4		1	
33	5		1	
30	1		1	
27	3		3	
24	3		2	
21	2			
18	1			
15	1			
12			1	
9	1			
6	1			
3				
0-2				
Total	195	10	52	4
Q3	70.7		67.5	
Md	59.1	60.0	57.0	
Q1	49.6		44.0	
Range	8-111	49.5-79.5	12-101	49.5-59.3
10 %ile	37.1		29.2	
90 %ile	81.2		77.4	

----Median, combined spring programs, 1956 through 1959

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST, LEVEL II, FORM E, IN COMBINED SECOND AND THIRD YEAR CLASSES WHERE THE TEST WAS REQUIRED OR WHERE 90 PER CENT OR MORE TOOK IT ON A VOLUNTARY BASIS

Score	Scores of Individuals	Medians of Colleges
78		
76		
74		
72		
70		
68		
66		
64		
62		
60	1	
58		
56		
54		
52	1	
50	2	
48	4	
46	2	
44	3	
42	7	
40	5	
38	5	
36	6	
34	12	1
32	24	
30	13	3
28	17	
26	30	2
24	17	1
22	14	3
20	18	2
18	21	2
16	11	2
14	3	
12	4	
10	6	
8	6	
6	1	
4	1	
2	1	
0-1	1	
Total	236	16
Q3	33.1	29.0
Md	26.9	23.3
Q1	20.4	20.0
Range	0-61	16.0-34.2
10 %ile	16.1	17.6
90 %ile	40.6	31.6

----Median, spring program, 1960

TABLE IX

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL II, FORM E, IN SENIOR CLASSES

Score	REQUIRED		VOLUNTARY	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
78				
76				
74				
72				
70	1			
68			1	
66	4			
64				
62	7		1	
60	3			
58	8			
56	10			
54	14			
52	16		3	
50	11		2	
48	24		3	
46	26		4	
44	21		5	
42	48	2	4	
40	43	2	5	1
38	51	1	11	
36	64	8	8	3
34	51	2	5	
32	68	4	10	
30	52	10	8	1
28	57	5	5	
26	48	1	7	1
24	56	2	4	
22	51	2	9	
20	38	1	5	
18	35		4	1
16	30	2	4	
14	18		6	
12	13		1	
10	12		2	
8	6		2	
6			1	
4	3		1	
2				
0-1	1			
Total	890	42	121	7
Q3	40.6	36.6	39.6	
Md	32.7	31.6	32.3	36.3
Q1	24.6	29.0	22.9	
Range	0-71	17.0-43.0	5-68	19.7-40.0
10 %ile	18.3	23.2	15.7	
90 %ile	48.8	39.6	47.0	

----Median, spring program, 1960



DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL II, FORM B, IN SENIOR CLASSES

Score	REQUIRED		VOLUNTARY	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
150				
147				
144				
141				
138	2			
135	1			
132	1		1	
129	4			
126	2			
123	3			
120	7			
117	9			
114	8		2	
111	12	1	1	
108	17		2	
105	21		2	
102	16	1		
99	31		6	
96	22	1	3	1
93	31		5	
90	27	3	6	
87	27	2	6	1
84	39	4	2	
81	33		3	
78	40	1	3	
75	33		4	1
72	25		2	1
69	25	4	2	
66	29	3	4	
63	23	1	1	
60	20		3	
57	16	2	1	
54	21		1	
51	15			
48	8		1	
45	6			
42	9			
39	9			
36	3			
33	4		1	
30	2			
27				
24				
21	1			
18				
15				
12				
9				
6				
3				
0-2				
Total	602	23	62	4
Q3	96.8	90.3	97.5	
Md	82.1	84.4	88.5	
Q1	67.4	68.8	74.3	
Range	23-140	57.0-111.8	35-132	73.5-96.0
10 %ile	54.5	63.9	62.2	
90 %ile	109.0	98.1	107.7	

----Median, combined spring programs, 1956 through 1959

TABLE XI

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL II, FORM D, IN COMBINED SECOND AND THIRD YEAR CLASSES

Score	REQUIRED		VOLUNTARY	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
100				
98				
96				
94				
92				
90				
88	1			
86				
84	1			
82				
80	2		1	
78	3			
76	1			
74	2		1	
72	2			
70	3			
68	1			
66	2			
64	5			
62	5		1	
60	6		1	
58	5			
56	3			
54	5		1	
52	4	2		
50	4	1	1	
48	9	1	1	
46	5	1		
44	5	1		
42	4		2	1
40	11			
38	3		3	
36	3			
34	2		1	1
32				
30	1		1	
28	1			
26	1			
24	4		4	
22	2			
20			1	
18			1	
16				
14				
12				
10				
8	1		1	
6			1	
4				
2				
0-1				
Total	107	6	22	2
Q3	62.5		51.0	
Md	50.8	50.0	38.7	
Q1	41.6		24.8	
Range	9-88	45.0-53.0	7-81	35.0-43.0
10 %ile	34.7		18.4	
90 %ile	73.3		63.6	

---Median, combined spring programs, 1954 through 1959

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,  
LEVEL II, FORM D, IN SENIOR CLASSES

Score	REQUIRED		VOLUNTARY	
	Scores of Individuals	Medians of Colleges	Scores of Individuals	Medians of Colleges
100				
98				
96	1			
94	1			
92				
90	3		1	
88	4		1	
86	1			
84	3		1	
82	4			
80	2			
78	7			
76	9		1	
74	12			
72	11		2	
70	8		2	1
68	12	1	1	
66	10	1	2	1
64	10	1	2	
62	6	1		
60	20	2	1	
58	9	3	1	
56	9	1		
54	12	1	5	
52	15	1	3	1
50	8	2	3	
48	9	1	1	
46	12		1	
44	11		2	
42	13	1	1	
40	9			
38	9	1		
36	14		2	
34	8			1
32	5		3	
30	10			
28	1		2	1
26	1		1	
24	3		2	
22	1		3	
20	2			
18	3			
16	1		2	
14				
12			1	
10	3		1	
8	2			
6	1			
4				
2				
0-1			1	
Total	295	17	49	5
Q3	68.7	61.8	64.8	
Md	55.1	58.3	51.0	53.0
Q1	42.1	51.3	29.3	
Range	6-96	39.0-69.0	0-90	29.0-70.5
10 %ile	32.6	43.4	17.9	
90 %ile	77.2	66.6	73.1	

----Median, combined spring programs, 1956 through 1959

TABLE XIII

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ORIENTATION TEST, FORM A,  
IN FIRST YEAR CLASSES WHERE THE TEST WAS REQUIRED OR WHERE  
90 PER CENT OR MORE TOOK IT ON A VOLUNTARY BASIS

VERBAL			QUANTITATIVE			TOTAL		
Score	Scores of Individuals	Medians of Colleges	Score	Scores of Individuals	Medians of Colleges	Score	Scores of Individuals	Medians of Colleges
99-100								
96						160		
93						155		
90			60			150		
87			58			145		
84			56			140		
81			54	2		135		
78	2		52	1		130		
75	1		50	6		125		
72	4		48	8		120	1	
69	4		46	7		115	1	
66	3		44	9		110	3	
63	9		42	15	1	105	11	
60	9		40	9		100	13	
57	13		38	16		95	10	
54	10		36	16		90	11	
51	15		34	13		85	19	1
48	24		32	27	2	80	18	
45	23		30	28		75	32	1
42	43	3	28	42	2	70	40	2
39	30	2	26	34		65	47	2
36	53	1	24	41	1	60	50	
33	24		22	37	2	55	48	1
30	55	2	20	48	2	50	41	3
27	54	2	18	35	1	45	49	1
24	41	1	16	38		40	53	
21	47		14	28		35	37	
18	35		12	28		30	29	
15	22		10	24		25	17	
12	15		8	18		20	14	
9	13		6	5		15	5	
6	2		4	10		10	3	
3			2	2		5		
0-2	1		0-1	5		0-4		
Total	552	11	Total	552	11	Total	552	11
Q3	43.5		Q3	31.4		Q3	72.6	
Md	32.5	37.5	Md	23.9	25.0	Md	57.9	66.3
Q1	24.2		Q1	16.9		Q1	43.1	
Range	2-79	25.5-43.5	Range	0-55	19.9-43.5	Range	13-120	45.9-87.5
10 %ile	18.2		10 %ile	11.3		10 %ile	32.8	
90 %ile	54.0		90 %ile	40.4		90 %ile	88.6	

----Median, combined spring programs, 1956 through 1959

TABLE XIV

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ORIENTATION TEST, FORM A,  
IN FIRST YEAR CLASSES WHERE LESS THAN  
90 PER CENT VOLUNTARILY TOOK THE TEST

VERBAL			QUANTITATIVE			TOTAL		
Score	Scores of Individuals	Medians of Colleges	Score	Scores of Individuals	Medians of Colleges	Score	Scores of Individuals	Medians of Colleges
99-100								
96						160		
93						155		
90			60			150		
87	1		58			145		
84			56			140		
81			54	3		135	1	
78			52	6		130	1	
75	3		50	10		125		
72			48	6	1	120		
69	1		46	2		115	3	
66	2		44	5	1	110	2	
63	6		42	9		105	3	
60	5		40	11		100	8	
57	9		38	9		95	18	2
54	11		36	11		90	11	
51	11	1	34	13	1	85	13	
48	22	1	32	14	2	80	19	
45	17		30	24		75	17	
42	26		28	25	3	70	25	1
39	19	2	26	15		65	29	4
36	40	3	24	21	1	60	29	1
33	25	2	22	14		55	23	2
30	27	1	20	11		50	27	
27	18		18	17	1	45	18	
24	7		16	14		40	10	
21	11		14	8		35	4	
18	5		12	8		30	5	
15	2		10	3		25	4	
12	2		8	6		20	1	
9	1		6	2		15		
6			4	2		10		
3			2			5		
0-2			0-1	2		0-4		
Total	271	10	Total	271	10	Total	271	10
Q3	48.4		Q3	36.8		Q3	83.0	
Md	38.8	38.0	Md	29.0	31.0	Md	67.5	67.5
Q1	32.4		Q1	21.0		Q1	54.8	
Range	11-87	32.1-51.0	Range	0-55	19.0-48.0	Range	24-137	56.3-97.5
10 %ile	26.6		10 %ile	15.0		10 %ile	45.9	
90 %ile	57.0		90 %ile	46.0		90 %ile	97.5	

----Median, combined spring programs, 1956 through 1959