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THE AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS
COLLEGE ACCOUNTING TESTING PROGRAM

Bulletin No. 32

RESULTS OF THE
1958 MIDYEAR COLLEGE ACCOUNTING TESTING PROGRAM

January-February, 1958

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

March, 1958

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Committee on Personnel Testing

Alfred M. Schuyler, *Chairman*
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John L. Carey, *Executive Director*
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Institutions Participating in 1958 Midyear Program

University of Akron
American Institute of Business
Anderson College
Ashland College
Atlantic Christian College

Marquette University
University of Miami
University of Michigan
Middlebury College
Morse College

Beloit College
Brooklyn College
Bryant College
California College of Commerce
Catawba College

Mountain State Commerical College
Nasson College
College of the Pacific
University of Pennsylvania
University of Pittsburgh

Chico State College
Christian Brothers College
Clark College
University of Connecticut
University of Detroit

Queens College
University of Rochester
Roosevelt University
St. John's College
St. Joseph's College

Duff's Iron City Business Institute
Duquesne University
Eureka College
Flint Junior Community College
Fordham University

St. Mary's University
City College of San Francisco
Siena College
Simpson College
University of South Dakota

Gannon College
University of Hawaii, Hilo Branch
Heidelberg College
College of the Holy Cross
University of Houston

Syracuse University
Temple University
Texas Technological College
Wayne State University
West Texas State College

Huntingdon College
Iowa State Teachers College
Kent State University
La Verne College
Loyola College

Wilkes College
University of Wisconsin, Madison
University of Wisconsin, Milwaukee
College of Wooster
Xavier University

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INTRODUCTION

This bulletin contains a summary of the results of the eighth annual mid-year College Accounting Testing Program, for which the scheduled testing period was January 2 through February 1, 1958.

This winter, sixty institutions took part in the midyear program and administered 4,112 aptitude, achievement, and interest tests, which was an increase of about four per cent over the 1957 midyear program total. As may be noted from the statistics for the five-year period shown below, the number of participating institutions in the midyear program has increased about 50 per cent since 1954, and the quantity of tests has more than doubled since that date.

<u>YEAR</u>	<u>NUMBER OF COLLEGES</u>	<u>NUMBER OF TESTS</u>
1954	41	1,932
1955	55	2,749
1956	50	3,238
1957	57	3,948
1958	60	4,112

The number of states and territories represented by the participating institutions increased from twenty in the 1957 midyear program to twenty-five this year. The geographical distribution is as follows: New England, 6; Middle Atlantic, 14; North Central, 22; South, 11; West, 6; and Hawaii, 1.

The proportion of participants this year in the categories of liberal arts colleges and schools of business in universities was about 82 per cent, as compared with approximately 73 per cent for these two categories last year. Independent business schools, technical colleges, junior colleges, and teachers colleges made up the other 18 per cent of the participating group, as indicated below.

<u>TYPE</u>	<u>NUMBER</u>	<u>PER CENT</u>
Liberal Arts Colleges	26	43.3
Schools of Business in Universities	23	38.3
Independent Business Schools	5	8.3
Technical Colleges	3	5.0
Junior Colleges	2	3.3
Teachers Colleges	1	1.7

The forms of the tests that were recommended for the program were used in the following quantities: Orientation Test, Form C, 1,068; Achievement Test, Level I, Form C, 479; Achievement Test, Level I, Form C-S, 1,093; Achievement Test, Level II, Form C, 638; Strong Vocational Interest Blank, 188. Other forms accounted for 646 tests.

SUMMARY OF TEST RESULTS

The results of the 1958 midyear program are summarized on the following pages in the form of distributions of scores of the students tested and distributions of the medians of the participating institutions.

In instances where the test has been used in previous midyear programs, the norm median is indicated in the table by a broken line extending across the distribution column. The program medians are shown by short, horizontal lines near the center of the frequency columns, and the ranges of the middle 50 per cent of the frequencies are delineated by the vertical lines. The latter ranges are marked only in those columns that contain fifteen or more frequencies.

Orientation Test, Form C. - The median verbal, quantitative, and total scores of the 887 first-year students who took the Orientation Test in this program are very close to the norm medians, which are based on the results of the past three midyear programs. On each of the three scales, the scores cover a range that extends from the first to the 100th percentiles on the norms. At the second and third-year levels, the Orientation Test medians of the group of 134 students tested are also very near the norm medians. The small differences that do occur are in favor of the groups tested this year. The Orientation Test distributions are shown in Tables I and II.

Achievement Test, Level I, Form C. - As will be seen from Table III, the Level I, Form C, Achievement Test median of the group of 342 first-year students is within a fraction of a point of the norm median, and the scores of the individual pupils cover a wide range. The median of the second and third-year group on the same test is about seven points above that of the first-year group, but it falls about five points below the norm median for the intermediate levels of study.

Achievement Test, Level I, Form C-S. - Form C-S of the Level I Achievement Test, which is a fifty-minute adaptation of the two-hour Form C test, was introduced into the college program this midyear. Norms were established on the basis of the scores of the students tested in this program. It may be noted from Table IV that this sixty-item test gives a good dispersion of scores in the upper half of the distribution, but the fact that twenty-seven students had scores as low as zero or 1 indicates that this form of the test is too difficult for some students. The median score of the total group of 971 students is 24.3, or somewhat less than half of a perfect score.

Achievement Test, Level II, Form C. - The results of the Level II Achievement Test, Form C, are shown in Table V. A group of 477 seniors took this test in the midyear program. The median score for this group is two points above the norm median, which is based on the results of the combined midyear programs of 1952 through 1957. At the second and third year levels, 140 students took the test, and obtained a median which is about two points below the norm median.

Special Note: Any participating college may obtain on request a specially marked copy of this bulletin showing where the median scores of its groups fall within the distributions of class medians that appear in the summary tables.

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS
ON ORIENTATION TEST, FORM C, OF FIRST-YEAR STUDENTS

RAW SCORE	VERBAL		RAW SCORE	QUANTITATIVE		RAW SCORE	TOTAL	
	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES		SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES		SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES
99-100								
96						160		
93						155		
90			60			150		
87			58			145		
84			56			140		
81			54			135		
78			52	3		130		
75			50	5		125		
72			48	5		120		
69			46	3		115		
66			44	2		110	1	
63			42	14		105		
60	3		40	16		100	3	
57			38	25		95	3	
54	5		36	21		90	8	
51	3		34	45		85	4	
48	10		32	45	1	80	16	
45	15		30	49		75	26	
42	24		28	59		70	51	
39	51		26	67	1	65	64	1
36	58		24	73	7	60	77	2
33	73	3	22	78	3	55	108	1
30	121	4	20	70	2	50	115	6
27	110	3	18	69	1	45	110	3
24	122	3	16	40	1	40	90	2
21	104	2	14	49	1	35	84	1
18	82	2	12	52		30	61	1
15	48		10	23		25	26	
12	34		8	27		20	26	
9	15		6	24		15	10	
6	6		4	8		10	3	
3	3		2	7		5	1	
0-2			0-1	8		0-4		
Total	887	17	Total	887	17	Total	887	17
Q3	33.8	32.1	Q3	30.5	25.4	Q3	62.0	54.8
Md	27.8	28.5	Md	23.7	24.1	Md	51.4	51.3
Q1	22.0	24.3	Q1	17.2	21.3	Q1	40.6	45.4
Range	3-62	18.0-34.2	Range	0-53	14.0-32.7	Range	7-112	34.2-66.7
10% ile	16.9	20.6	10% ile	11.3	17.4	10% ile	31.9	38.5
90% ile	40.3	34.3	90% ile	36.5	26.6	90% ile	72.3	63.3

Medians, combined midyears, 1955, 1956, 1957

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ORIENTATION TEST,
FORM C, OF COMBINED SECOND-YEAR AND THIRD-YEAR STUDENTS

VERBAL			QUANTITATIVE			TOTAL		
RAW SCORE	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES	RAW SCORE	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES	RAW 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			52			130		
75			50	1		125		
72			48	1		120		
69			46	2		115		
66			44	4		110		
63			42	2		105		
60			40	5		100	2	
57			38	9		95	4	
54	1		36	4		90	1	
51	4		34	11		85	4	
48	5		32	7		80	6	
45	6		30	19	3	75	12	
42	8		28	10		70	14	
39	16		26	5	1	65	25	4
36	15	2	24	8		60	12	
33	20	2	22	6	2	55	12	2
30	19	1	20	9		50	11	
27	11	1	18	6		45	12	
24	15		16	9		40	7	
21	7		14	3		35	6	
18	5		12	2		30	3	
15	1		10	6		25	2	
12	1		8	2		20	1	
9			6			15		
6			4	1		10		
3			2			5		
0-2			0-1			0-4		
Total	134	6	Total	134	6	Total	134	6
Q3	40.2		Q3	35.4		Q3	73.4	
Md	34.2	34.5	Md	30.0	29.0	Md	65.2	66.3
Q1	28.2		Q1	21.0		Q1	51.1	
Range	14-56	28.8-38.3	Range	5-54	22.0-31.6	Range	22-103	55.0-68.6
10% ile	23.7		10% ile	15.6		10% ile	41.0	
90% ile	46.3		90% ile	41.4		90% ile	83.0	

- - - Medians, combined midyears, 1951 through 1956

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS
ON ACHIEVEMENT TEST, LEVEL I, FORM C

RAW SCORE	FIRST YEAR		COMBINED SECOND AND THIRD YEARS	
	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES
135				
132				
129				
126				
123				
120				
117				
114				
111				
108	2		1	
105			2	
102			1	
99	1		1	
96	5		2	
93	3			
90	4		2	
87	8		1	
84	7		4	
81	9		4	
78	9		2	1
75	10		3	
72	10		5	
69	16	1	11	1
66	11		5	
63	7		8	
60	19	2	9	1
57	11		7	1
54	20	1	14	2
51	18	1	11	
48	26	4	7	
45	15	1	7	
42	13		8	
39	19	1	7	
36	18	2	4	
33	17		1	
30	17		2	
27	9		2	
24	12		1	
21	7	1	1	
18	3			
15	7			
12	2			
9	1			
6	1			
3				
0-2	1			
Total	342	14	136	3
Q3	68.6		71.2	
Md	50.9	49.5	58.3	60.0
Q1	36.9		48.4	
Range	2-109	22.5-70.5	23-110	54.0-78.8
10% ile	26.3		40.1	
90% ile	82.6		84.3	

- - - Medians, combined midyears,
1955, 1956, 1957

- - - Medians, combined midyears,
1953 through 1957

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS ON ACHIEVEMENT TEST,
LEVEL I, FORM C-S, OF FIRST-YEAR STUDENTS

RAW SCORE	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES
60		
58	1	
56	3	
54	3	
52	6	
50	11	
48	12	
46	15	
44	15	
42	20	
40	31	
38	32	
36	46	1
34	44	
32	48	
30	53	2
28	54	2
26	36	1
24	66	2
22	60	4
20	58	3
18	61	2
16	47	
14	45	1
12	42	1
10	31	1
8	41	
6	29	1
4	27	1
2	7	
0-1	27	
Total	971	22
Q3	33.8	27.0
Md	24.3	22.5
Q1	15.7	18.5
Range	0-58	4.4-37.6
10% ile	8.3	10.4
90% ile	41.3	30.8

Note: No norm median is shown for this test, since Form C-S was used for the first time this midyear.

DISTRIBUTIONS OF SCORES AND COLLEGE MEDIANS
ON ACHIEVEMENT TEST, LEVEL II, FORM C

RAW SCORE	SENIORS		COMBINED SECOND AND THIRD YEARS	
	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES	SCORES OF INDIVIDUALS	MEDIANS OF COLLEGES
56				
54				
52	1			
50				
48				
46	4			
44	3			
42	8			
40	12		1	
38	6			
36	25		2	
34	21	1	1	
32	32	1	3	
30	27	1	6	
28	30	3	6	
26	34	1	7	
24	32	4	5	
22	40	4	9	
20	43	2	8	1
18	30	1	5	
16	35		14	2
14	17	1	7	1
12	25		7	1
10	13		8	1
8	14		9	2
6	14		15	2
4	5		7	
2	5		8	
0-1	1		12	
Total	477	19	140	10
Q3	31.5	28.8	23.1	
Md	23.8	24.8	15.1	12.0
Q1	17.4	22.4	7.1	
Range	1-52	15.0-34.8	0-40	6.9-21.2
10% ile	11.3	19.8	2.5	
90% ile	36.9	32.2	29.7	

- - - Medians, combined midyears, 1952 through 1957