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ABSTRACT

The correlation coefficients between the new basic interest scales and the traditional empirical (occupational and nonoccupational) scales on the Strong Vocational Interest Blank for Men were determined for a diverse sample of 155 males. In most cases, the relationships were logical and easy to understand. In some cases, however, the relationships were unanticipated and/or primarily negative. Factors responsible for these unexpected or negative relationships were briefly discussed. Knowledge of the relationship between the two sets of scales should help counselors identify interest factors (both positive and negative) associated with high and low scores on the occupational and nonoccupational scales.  
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RELATIONSHIP BETWEEN THE BASIC INTEREST  
SCALES AND THE OCCUPATIONAL AND NONOCCUPATIONAL  
SCALES ON THE STRONG VOCATIONAL INTEREST  
BLANK FOR MEN

Richard W. Johnson and  
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Abstract

The correlation coefficients between the new basic interest scales and the traditional empirical (occupational and nonoccupational) scales on the Strong Vocational Interest Blank for Men were determined for a diverse sample of 155 males. In most cases, the relationships were logical and easy to understand. In some cases, however, the relationships were unanticipated and/or primarily negative. Factors responsible for these unexpected or negative relationships were briefly discussed. Knowledge of the relationship between the two sets of scales should help counselors identify interest factors (both positive and negative) associated with high and low scores on the occupational and nonoccupational scales.

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RELATIONSHIP BETWEEN THE BASIC INTEREST SCALES AND  
THE OCCUPATIONAL AND NONOCCUPATIONAL SCALES ON THE  
STRONG VOCATIONAL INTEREST BLANK FOR MEN

Richard W. Johnson and Margaret Schwertfeger

University of Wisconsin

The correlation coefficients between the new basic interest scales and the traditional empirical (occupational and nonoccupational) scales for the Men's form of the Strong Vocational Interest Blank (SVIB) are reported in this paper. This information should be helpful in better understanding the nature of the relationship between these two sets of scales.

This Report parallels an earlier Report (Vol. 3, No. 6, 1969) which presented the correlation coefficients between the two sets of scales for the Women's form of the SVIB.

#### Method

##### Subjects

A heterogeneous sample of 155 males who completed the SVIB for Men (Form T399) as counseling center clients (N = 59) or participants in program evaluations (N = 96) were used as subjects. Most of the subjects were college students drawn from the fields of pharmacy (N = 46), engineering (N = 43), physical therapy (N = 18), and letters and sciences (N = 34). The mean age of the subjects was 20.6 with a standard deviation of 3.2.

##### Statistical Analysis

Pearson product moment correlation coefficients between the 22 basic scales and the 54 occupational and 8 nonoccupational scales for the SVIB-M

(Form T399) were determined by means of the University of Wisconsin Univac 1108 Computer.

### Results and Discussion

The means and standard deviations for each variable and the intercorrelations of the basic scores and the occupational and nonoccupational scores are reported in Table 1. All  $r$ 's equal to or greater than plus or minus .16 are significant at the .05 level of probability. The three highest correlations between the basic scales and each occupational and nonoccupational scale are underlined. These correlations are very similar to those reported by Campbell (1971, p. 111) for a diverse sample of 150 men and women. Most of the correlations for the two samples are within a few points of each other.

Inspection of Table 1 reveals the following information:

1. All but 5 of the occupational scales (Psychiatrist, Psychologist, Banker, Funeral Director, and President of Manufacturing Concern) and 2 of the nonoccupational scales (Occupational Level and Managerial Orientation) have one or more relatively high ( $r \geq +.50$  or  $r \leq -.50$ ) correlations with the basic scales. In most cases, variability of scores on the occupational and nonoccupational scales may be directly traced to variability of scores on the basic scales. Relatively high scores on the Osteopath scale, for example, are associated with relatively high scores on the Medical Services, Science, and Nature basic scales.

2. Most of the correlations may be logically explained, however, some anticipated relationships did not occur. For example, each of the following correlations (shown in parentheses) are surprisingly low: Art-Artist (.06), Mathematics-Mathematician (.25), Writing-Author Journalist (.12), Medical Service-Dentist (.10), Nature-Farmer (.17) and Law/Politics -Lawyer (.18). In each case, the occupational criterion group actually obtained relatively

high scores on the matching basic interest scale (Campbell, 1971, pp. 139-149).

The factors responsible for these low correlations are discussed in two other Reports (Vol. 5, Nos. 5 & 6, 1971). In brief, they may be attributed to the fact that the basic scales are relatively short and, as the name implies, "pure" in content. The occupational and nonoccupational scales are quite long and contain a variety of items. If the scores on the occupational and basic scales for the same area (e.g., Artist and Art scales) do not agree, this indicates that the individual possesses only one part (art interest) of the occupational interest pattern or, conversely, that he lacks a critical aspect (art interest) of the occupational interest pattern despite the fact that he shares most of the other interests of the occupational group members. The low  $r$ 's indicate that this type of inconsistency may occur relatively often. Counseling may be particularly helpful for clients who possess such contradictory scores.

3. In a number of cases (19 out of 54 occupational scales and 2 out of 8 nonoccupational scales), the only high correlations between the two types of scales were negative ( $r < -.50$ ). High scores on most of the biological science, physical science, and verbal-linguistic occupations were most clearly related to low scores on the basic interest scales. A high score on the Dentist scale, for example, may be best interpreted in terms of low scores on the Public Speaking, Business Management, and Merchandising scales for a majority of clients. Rejection of specific types of activities appears to have a greater influence on the magnitude of the scores on such occupational and nonoccupational scales than does the endorsement of seemingly compatible interests.

The item content for these scales (see Reports, Vol. 5, No. 6) consists primarily of negative interests. The members of these occupational or non-occupational groups appear to have very narrowed or focused interests. An

individual who prefers a wide variety of activities may be frustrated in such occupations (or situations) which apparently do not provide a great deal of diversion.

4. The percentages of "Like" responses (LP) were positively correlated with scores on the basic scales in all cases and the percentages of "Dislike" responses (DP) were negatively correlated with scores on each of the basic scales. These  $r$ 's are understandable in that the Like responses for the vast majority of the items on the basic scales are positively weighted (+1) and the Dislike responses are negatively weighted (-1).

In general, if LP is high, one may expect many high scores on the basic scales. If DP is high, many low scores may be expected.

5. Teaching, Music, Public Speaking, Business Management, Law/Politics, Religious Activities, and Merchandising (in descending order of magnitude) were each positively correlated with age ( $p > .05$ ), however, the highest  $r$  was .28. In general, older age was associated with higher scores on a number of basic scales, but the magnitude of the relationships was slight. Presumably, the  $r$ 's would have been higher if the age range of the subjects (S. D. = 3) had been greater.

#### Conclusion

The correlations reported in this paper should help counselors to understand better the nature of the relationship between the new basic scales and the established occupational and nonoccupational scales. Additional information on this topic is available in three related Counseling Center Reports (Johnson, 1971a, 1971b, Johnson and Johansson, 1971).

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TABLE 1  
 Product-Moment Correlation Coefficient Between  
 Basic Interest Scales and Other SVIB-M Scales (N=155)

	M	SD	Dentist	Osteopath	Veterinarian	Physician	Psychiatrist	Psychologist
Public Speaking	52	10	<u>-.69<sup>a</sup></u>	-.22	-.36	-.35	.11	-.14
Law / Politics	52	9	-.59	-.11	-.30	-.22	.16	-.05
Business Management	46	10	<u>-.69</u>	-.33	-.23	<u>-.65</u>	-.18	<u>-.42</u>
Sales	50	9	-.53	-.16	-.07	-.47	-.14	<u>-.41</u>
Merchandising	48	10	<u>-.62</u>	-.25	-.19	<u>-.60</u>	-.18	<u>-.42</u>
Office Practices	47	9	-.34	-.04	.04	-.41	-.20	<u>-.41</u>
Military Activities	45	9	-.12	-.05	.06	-.15	-.15	-.35
Technical Supervision	43	10	-.43	-.21	-.05	-.43	-.20	-.32
Mathematics	51	10	.09	.06	.03	.05	.03	.02
Science	51	10	.29	<u>.49</u>	.16	<u>.48</u>	<u>.44</u>	.28
Mechanical	46	9	.12	.31	.22	.12	.09	-.04
Nature	45	10	.18	<u>.48</u>	.26	.30	.20	.03
Agriculture	47	10	.09	.39	.36	.19	-.04	-.19
Adventure	59	10	-.01	.20	.20	.14	.03	-.15
Recreational Leader	51	11	-.09	.24	.27	.15	-.11	-.36
Medical Service	55	11	.10	<u>.59</u>	.27	.43	<u>.42</u>	.04
Social Service	55	10	-.47	.05	-.25	-.16	.29	-.01
Religious Activities	49	10	-.12	.23	.05	.05	.07	-.21
Teaching	51	9	-.36	.15	-.23	-.05	.34	.05
Music	49	10	-.08	.14	<u>-.38</u>	.07	<u>.41</u>	.21
Art	50	10	-.11	.20	<u>-.41</u>	.02	.39	.23
Writing	50	9	-.43	-.07	<u>-.62</u>	-.10	.38	.25
Mean			31	31	30	35	26	28
SD			11	10	9	12	11	11

	Biologist	Architect	Mathematician	Physicist	Chemist	Engineer	Production Manager
Public Speaking	-.42	-.63	-.54	-.62	-.58	<u>-.64</u>	-.11
Law / Politics	-.33	<u>-.66</u>	-.47	-.51	-.43	-.52	-.09
Business Management	<u>-.67</u>	<u>-.73</u>	<u>-.72</u>	<u>-.70</u>	<u>-.60</u>	-.48	.23
Sales	<u>-.66</u>	-.64	<u>-.73</u>	<u>-.68</u>	<u>-.60</u>	-.51	.04
Merchandising	<u>-.69</u>	<u>-.70</u>	<u>-.75</u>	<u>-.75</u>	<u>-.64</u>	<u>-.56</u>	.08
Office Practices	-.48	-.65	-.56	-.54	-.43	-.36	.15
Military Activities	-.18	-.27	-.26	-.22	-.21	-.15	.18
Technical Supervision	-.45	-.42	-.48	-.39	-.27	-.14	.38
Mathematics	.16	.07	.25	.32	.40	.46	.37
Science	.55	-.01	.18	.39	<u>.60</u>	.38	.21
Mechanical	.28	.02	.00	.28	.39	.38	<u>.50</u>
Nature	.30	-.07	-.14	-.03	.04	-.06	-.05
Agriculture	.14	-.13	-.24	-.10	-.03	-.09	.10
Adventure	.06	-.22	-.29	-.09	.07	-.05	.15
Recreation Leader	-.07	-.41	-.42	-.28	-.08	-.26	.09
Medical Service	.20	-.47	-.37	-.23	-.05	-.30	-.16
Social Service	-.17	-.58	-.40	-.49	-.48	<u>-.58</u>	-.32
Religious Activities	.02	-.31	-.22	-.26	-.25	-.32	-.11
Teaching	-.05	-.55	-.28	-.36	-.35	-.52	-.29
Music	.08	-.07	.01	-.12	-.16	-.36	-.35
Art	.05	.00	-.12	-.18	-.18	-.34	<u>-.43</u>
Writing	-.13	-.25	-.26	-.37	-.35	-.54	<u>-.51</u>
Mean	29	28	21	22	29	27	27
SD	12	11	9	12	13	12	9

	Army Officer	Air Force Officer	Carpenter	Forest Service Man	Farmer	Math-Science Teacher	Printer
Public Speaking	.26	.14	-.62	-.22	-.61	-.23	-.51
Law / Politics	.26	.27	-.63	-.19	-.53	-.11	-.48
Business Management	.35	.32	-.36	-.03	-.38	-.02	-.23
Sales	.23	.29	-.34	-.09	-.30	-.03	-.21
Merchandising	.28	.21	-.37	-.03	-.38	-.06	-.18
Office Practices	.26	.23	-.13	.12	-.12	.29	.04
Military Activities	.32	.23	.00	.18	.00	-.02	-.01
Technical Supervision	.51	.33	-.05	.20	-.04	.12	.02
Mathematics	.49	.56	.21	.10	.15	.47	-.05
Science	.32	.57	.07	.09	.08	.68	-.13
Mechanical	.60	.70	.49	.46	.28	.57	.15
Nature	.13	.01	.09	.55	.17	.17	-.09
Agriculture	.32	.12	.18	.67	.28	.15	-.03
Adventure	.38	.35	.06	.32	.08	.21	.06
Recreation Leadership	.36	.28	-.03	.31	.01	.30	-.11
Medical Service	.00	.11	-.33	.08	-.25	.32	-.36
Social Service	-.04	.03	-.44	.02	-.53	-.05	-.43
Religious Activities	.11	.04	-.09	.17	-.15	.11	-.19
Teaching	-.04	.04	-.35	-.06	-.47	.09	-.42
Music	-.21	-.23	-.32	-.27	-.42	-.20	-.26
Art	-.17	-.21	-.29	-.17	-.44	-.24	-.22
Writing	-.05	-.13	-.56	-.27	-.67	-.37	-.30
Mean	23	31	23	21	33	33	32
SD	11	10	10	13	10	10	10

	Policeman	Personnel Director	Public Administrator	Rehabilitation Couns.	YMCA Staff Member	Social Worker	Social Science Teacher
Public Speaking	.05	<u>.69</u>	<u>.71</u>	<u>.66</u>	<u>.68</u>	<u>.67</u>	.47
Law / Politics	.10	<u>.62</u>	<u>.64</u>	.62	.53	.57	.40
Business Management	.12	<u>.69</u>	<u>.67</u>	.54	.54	.41	.49
Sales	.03	.49	.43	.42	.53	.33	.39
Merchandising	.09	.56	.54	.50	<u>.55</u>	.40	<u>.52</u>
Office Practices	.23	.27	.32	.30	.38	.17	.45
Military Activities	<u>.43</u>	.16	.26	.11	.21	.08	.17
Technical Supervision	.19	.46	.40	.25	.23	.15	.26
Mathematics	.04	-.06	-.06	-.10	-.26	-.29	<u>-.51</u>
Science	.10	-.18	-.01	-.05	-.16	-.16	<u>-.51</u>
Mechanical	.35	-.10	.01	-.08	-.06	-.20	.38
Nature	.22	-.11	.09	.11	.07	.09	.01
Agriculture	.38	-.07	.06	.05	.17	.02	.09
Adventure	<u>.39</u>	-.07	.07	.06	.23	-.01	-.02
Recreational Leadership	<u>.54</u>	.05	.17	.18	.46	.07	.23
Medical Service	.25	.03	.24	.33	.34	.26	.18
Social Service	.14	.43	.42	<u>.67</u>	<u>.68</u>	<u>.69</u>	<u>.56</u>
Religious Activities	.30	.10	.22	.30	.38	.29	.28
Teaching	.07	.34	.41	<u>.64</u>	<u>.55</u>	.60	.48
Music	-.14	.14	.12	.26	.21	.42	.17
Art	-.20	.12	.19	.29	.24	.46	.18
Writing	-.15	.41	.40	.56	.45	<u>.70</u>	.37
Mean	19	20	27	28	28	27	28
SD	9	12	11	11	14	13	12

	School Superintendent	Minister	Librarian	Artist	Musician Performer	Music Teacher	C.P.A. Owner
Public Speaking	<u>.63</u>	.46	.05	-.61	-.18	.32	.12
Law / Politics	<u>.54</u>	.26	-.04	-.60	-.34	.08	.25
Business Management	.46	.16	-.19	<u>-.82</u>	<u>-.51</u>	.11	.10
Sales	.36	.20	-.17	-.67	-.28	.15	.12
Merchandising	.43	.23	-.07	<u>-.76</u>	-.35	.18	.12
Office Practices	.24	.11	-.12	<u>-.71</u>	-.33	.01	.09
Military Activities	.12	-.06	-.29	-.31	-.41	-.04	-.08
Technical Supervision	.18	-.00	-.25	-.53	-.45	-.13	-.08
Mathematics	-.18	-.21	-.32	-.13	-.29	-.51	.25
Science	-.24	-.10	-.19	-.09	-.12	-.39	-.07
Mechanical	-.29	-.06	-.37	-.14	-.17	-.32	<u>-.44</u>
Nature	.05	.27	.03	-.01	.12	.04	<u>-.45</u>
Agriculture	.00	.16	-.21	-.06	.04	-.06	<u>-.51</u>
Adventure	-.18	-.14	-.26	-.17	-.16	-.18	-.22
Recreational Leadership	.01	.04	-.39	-.33	-.17	-.26	-.23
Medical Service	.16	.22	-.02	-.33	-.00	.04	-.16
Social Service	<u>.55</u>	.65	.24	-.40	.08	.45	-.12
Religious Activities	.29	.49	.07	-.25	.10	.30	-.27
Teaching	.50	.59	.21	-.41	.05	.49	-.10
Music	.37	<u>.68</u>	<u>.63</u>	.01	<u>.50</u>	<u>.66</u>	-.01
Art	.29	<u>.66</u>	<u>.62</u>	.06	<u>.56</u>	<u>.63</u>	-.17
Writing	.52	<u>.72</u>	<u>.59</u>	-.14	.32	<u>.57</u>	.04
Mean	15	16	12 30	30	39	26	23
SD	11	13	10	10	10	13	9

	Senior C.P.A.	Accountant	Office Worker	Purchasing Agent	Banker	Pharmacist	Funeral Director
Public Speaking	-.04	.10	.19	-.13	-.14	-.16	.10
Law / Politics	.09	.12	.25	-.05	-.11	-.02	.03
Business Management	.28	<u>.49</u>	<u>.61</u>	.32	.21	.18	<u>.40</u>
Sales	.18	.34	.55	.25	.17	.26	<u>.40</u>
Merchandising	.24	<u>.45</u>	<u>.68</u>	.25	.20	.22	<u>.46</u>
Office Practices	.32	<u>.50</u>	<u>.70</u>	.23	.29	<u>.35</u>	.34
Military Activities	.14	.14	.18	.18	.21	.05	.16
Technical Supervision	.27	.43	.42	.29	.20	.09	.20
Mathematics	<u>.52</u>	.36	.06	.13	-.08	.07	-.31
Science	.11	-.03	-.14	-.16	<u>-.40</u>	.14	<u>-.44</u>
Mechanical	.11	.13	-.03	-.02	-.19	-.02	-.29
Nature	-.30	-.21	-.22	-.38	-.26	-.09	-.14
Agriculture	-.25	-.20	-.15	-.26	-.14	-.07	-.07
Adventure	.07	-.04	.04	-.02	-.15	.11	-.01
Recreational Leadership	.00	-.06	.11	-.07	-.06	.16	-.03
Medical Service	-.18	-.22	.06	-.29	-.27	.33	.01
Social Service	-.31	-.17	.05	-.46	-.26	-.20	.05
Religious Activities	-.20	-.12	.01	-.29	-.06	-.07	.09
Teaching	-.27	-.22	-.03	-.41	-.31	-.20	-.10
Music	<u>-.34</u>	-.20	-.09	<u>-.47</u>	-.29	-.31	-.06
Art	<u>-.40</u>	-.18	-.11	<u>-.53</u>	<u>-.44</u>	<u>-.43</u>	-.12
Writing	-.30	-.10	.02	<u>-.57</u>	<u>-.41</u>	<u>-.54</u>	-.18
Mean	26	21	27	29	23	31	29
SD	12	11	11	10	9	10	8

	Sales Manager	Real Estate Salesman	Life Insurance Salesman	Advertising Man	Lawyer	Author/Journalist	President-Mfg.
Public Speaking	.35	.20	.37	.05	.09	-.24	-.06
Law / Politics	.35	.24	.35	.03	.18	-.19	-.06
Business Management	<u>.47</u>	.24	.32	-.15	-.32	<u>-.60</u>	.16
Sales	<u>.56</u>	.34	<u>.43</u>	-.05	-.27	-.52	.24
Merchandising	<u>.49</u>	.27	.34	-.07	<u>-.37</u>	-.56	.18
Office Practices	.22	.05	.12	-.37	<u>-.47</u>	<u>-.66</u>	.01
Military Activities	.16	.16	.14	-.06	-.06	-.16	-.10
Technical Supervision	.27	.11	.08	-.24	-.35	-.49	.22
Mathematics	-.16	-.33	-.38	<u>-.46</u>	-.23	-.36	-.04
Science	-.40	<u>-.65</u>	<u>-.55</u>	<u>-.58</u>	-.30	-.38	-.29
Mechanical	-.40	<u>-.54</u>	<u>-.64</u>	<u>-.72</u>	<u>-.68</u>	<u>-.60</u>	-.20
Nature	-.40	<u>-.39</u>	-.31	-.38	-.35	-.26	-.33
Agriculture	-.25	-.19	-.19	-.34	-.30	-.27	-.23
Adventure	-.03	-.12	-.09	-.28	-.24	-.23	-.26
Recreational Leadership	-.06	.00	.07	-.31	-.14	-.32	-.33
Medical Service	-.19	-.33	-.09	-.36	-.26	-.37	<u>-.46</u>
Social Service	-.04	-.03	.24	-.12	-.02	-.23	-.37
Religious Activities	-.18	-.19	.00	-.28	-.18	-.28	<u>-.40</u>
Teaching	-.21	-.20	.04	-.23	-.16	-.31	<u>-.49</u>
Music	-.17	-.27	.03	.06	.02	.06	-.29
Art	-.14	-.28	-.02	.11	-.16	.03	-.23
Writing	.03	-.03	.20	.25	.14	.12	-.21
Mean	25	34	1428	29	30	32	20
SD	10	8	10	10	9	9	10

	Credit Manager	Chamber of Commerce Executive	Physical Therapist	Computer Programmer	Business Education Teacher	Community Recreation Administrator
Public Speaking	.63	<u>.75</u>	.25	-.12	.48	<u>.75</u>
Law / Politics	.54	.66	.18	-.03	.42	.59
Business Management	<u>.83</u>	<u>.67</u>	.23	-.06	<u>.81</u>	<u>.61</u>
Sales	<u>.78</u>	.66	.23	-.05	<u>.76</u>	.57
Merchandising	<u>.83</u>	<u>.67</u>	.24	-.10	<u>.85</u>	.58
Office Practices	.67	.38	.32	-.02	.74	.37
Military Activities	.20	.18	.20	-.13	.20	.21
Technical Supervision	.50	.36	.10	-.06	.56	.33
Mathematics	.04	-.22	.04	<u>.63</u>	-.14	-.16
Science	-.06	-.27	.38	<u>.60</u>	-.24	-.11
Mechanical	.06	.25	.46	<u>.51</u>	.05	.01
Nature	-.02	-.15	.47	-.12	.03	.16
Agriculture	.02	-.08	.45	-.12	.09	.25
Adventure	.17	.09	.44	.28	.08	.19
Recreational Leadership	.26	.16	<u>.60</u>	.09	.14	.46
Medical Service	.22	.12	<u>.67</u>	-.07	.19	.29
Social Service	.39	.45	.47	-.24	.41	<u>.61</u>
Religious Activities	.23	.13	<u>.50</u>	-.22	.22	.35
Teaching	.28	.29	.43	-.17	.42	.50
Music	.02	.16	.13	-.22	.09	.14
Art	.08	.21	.17	-.25	.15	.23
Writing	.28	.52	.16	-.18	.24	.46
Mean	28	32	37	35	29	27
SD	12	11	13	12	12	14



	AACH	AR	DIV	MFVI	MO	OIE	OL
Public Speaking	.17	.12	.49	-.04	<u>.43</u>	<u>-.79</u>	<u>.41</u>
Law / Politics	.18	-.03	.38	.17	<u>.41</u>	<u>-.62</u>	<u>.41</u>
Business Management	-.12	.03	.48	.04	<u>.39</u>	-.56	.16
Sales	-.18	-.08	.46	.01	.29	-.57	.14
Merchandising	-.17	.02	<u>.51</u>	-.10	.31	-.55	.11
Office Practices	-.09	.02	.47	.10	-.04	-.28	-.14
Military Activities	-.06	-.03	.17	.10	.18	-.10	-.07
Technical Supervision	-.23	.01	.26	.10	.22	-.23	.00
Mathematics	.34	-.05	.03	.22	.11	.08	.08
Science	<u>.50</u>	.19	.16	.17	.02	.02	-.01
Mechanical	-.02	.23	.25	.09	-.02	.03	<u>-.30</u>
Nature	.12	<u>.57</u>	.30	-.27	-.10	-.08	-.20
Agriculture	-.13	.30	.26	-.07	-.07	-.09	-.24
Adventure	-.05	-.22	.25	-.19	.13	-.08	-.18
Recreational Leader.	-.04	-.14	.32	-.29	-.04	-.27	-.13
Medical Service	<u>-.46</u>	.28	.50	-.01	.01	-.31	-.02
Social Service	.22	.23	<u>.63</u>	-.24	.09	<u>-.61</u>	.06
Religious Activities	.22	<u>.39</u>	.43	-.27	-.17	-.33	-.11
Teaching	.32	<u>.40</u>	<u>.54</u>	-.25	.00	-.45	.07
Music	<u>.42</u>	.34	.28	<u>-.73</u>	-.07	-.27	.13
Art	.30	.36	.39	<u>-.79</u>	.08	-.35	.03
Writing	.35	.22	.43	<u>-.60</u>	.17	-.57	.23
Mean	46	37	53	56	35	50	54
SD	11	10	10	11	10	12	7

	SL	UNP	LP	IP	DP	AGE
Public Speaking	.36	<u>.30</u>	<u>.53</u>	.06	-.46	<u>.19</u>
Law / Politics	.25	.29	.46	.02	-.37	.17
Business Management	.13	<u>.34</u>	.44	<u>.29</u>	-.58	<u>.19</u>
Sales	.13	.19	.47	<u>.28</u>	<u>-.59</u>	.10
Merchandising	.10	.29	<u>.52</u>	.27	<u>-.63</u>	.16
Office Practices	-.06	.25	.45	<u>.37</u>	<u>-.66</u>	.05
Military Activities	-.19	.18	.16	.01	-.14	.12
Technical Supervision	-.02	.22	.35	.22	-.46	-.03
Mathematics	-.04	.09	.04	.10	-.11	-.11
Science	.15	.11	.24	.19	-.35	-.07
Mechanical	.02	.08	.35	.16	-.41	-.13
Nature	.04	.09	.33	.13	-.36	.15
Agriculture	-.19	.10	.32	.07	-.31	.07
Adventure	-.10	.05	.27	.06	-.26	-.09
Recreational Leader.	-.29	.20	.35	.11	-.36	-.01
Medical Service	.03	<u>.30</u>	.43	.20	-.50	.15
Social Service	.22	<u>.40</u>	.44	.08	-.41	.15
Religious Activities	.01	.22	.34	.14	-.38	.17
Teaching	.31	.25	.45	.10	-.43	<u>.28</u>
Music	<u>.37</u>	.09	.29	.02	-.24	<u>.19</u>
Art	<u>.50</u>	.14	.36	.09	-.36	.14
Writing	<u>.51</u>	.16	<u>.53</u>	-.02	-.39	.15
Mean	38	7	28	36	36	21
SD	9	2	13	14	17	3

<sup>a</sup>The three highest r's between the basic scales and each occupational and nonoccupational scale are underlined.

r = .21 ; p < .01.    r = .16 ; p < .05.