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TAYLOR CW/GHISELIN E/YAGI K
EXPLORATORY RESEARCH ON COMMUNICATION ABILITIES AND
CREATIVE ABILITIES. SALT LAKE CITY- UNIV UTAH 1967
PEARSON R'S TABLES 48-49 PP.294-6 BATTERY C (SELECTED VARS.)
MOSTLY UNIVERSITY STUDENTS (SEE TABLE 21 P.74)

N=80

*** HIERARCHICAL FACTOR MATRIX, ORDER 1 ***

V#	1	2	3	4	5	6	7	8	9	10	11	12	H^2
FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2													
FACTOR 2: O1;F1 VERBAL ABILITY .....V; ORDER 1													
1 +10 VOCABULARY .....	.73	.55	-.03	.01	-.01	.00	-.04	.04	-.01	-.21	-.00	-.03	.89
2 +74 SIT.13/READING COMPREHENSION .	.55	.46	.03	.05	-.00	.05	-.10	-.01	-.03	.00	.17	.10	.57
3 +69 SIT.8/PLANNING INFOR'VE PAPER.	.35	.42	-.13	-.044	-.345	.00	.17	-.17	.02	.00	.01	.05	.49
4 +85 RATE OF ORAL READING .....	.65	.42	.01	-.15	.03	.01	.12	.21	-.02	-.15	.03	-.22	.74
5 +#2 SATISEFACTORY ABILITY/WRITING .	.38	.41	-.00	-.26	-.03	-.19	-.00	-.11	.21	.15	-.21	.03	.55
6 +75 SIT.14/WRITING I .....	.60	.41	-.04	.11	-.01	-.01	.02	.21	.17	-.03	-.09	.10	.63
7 +78 SIT.18/WRITING II .....	.59	.40	.03	.03	.22	-.04	-.05	-.03	.054	.305	-.03	-.05	.66
8 +61 SIT.3/IDEAS DELIVERED ORALLY .	.48	.40	.26	-.18	.03	-.02	-.15	-.19	.03	.04	.14	.01	.57
9 +70 SIT.9/WRITTEN EXPOSITION .....	.38	.34	-.28	-.04	.24	-.02	.04	.16	-.05	-.04	.10	.04	.43
10 +25 ALL-ROUND ABILITY SPEAKING ...	.31	.22	.05	.04	.14	.02	.14	-.284	-.305	-.01	-.12	.19	.41

FACTOR 3: C1;F2 ORAL PRODUCTIONCP; ORDER 1

11 +58 SITUATION 1/CONFERENCE .....	.29	-.16	.69	.23	.01	.03	.24	-.04	-.01	.164	-.395	.19	.92
12 +86 RATE OF PUBLIC SPEAKING .....	.44	.15	.56	.02	.04	-.27	.10	.23	-.024	.325	-.01	.01	.77
13 +53 OUTLINING III/IMPORTANT IDEAS.	.42	.20	.47	-.04	-.05	.03	.06	.08	.02	-.01	.02	.24	.52
14 -87 SECONDS IN PAUSES/MIN SPEAKING	.41	.26	.45	-.17	.03	-.16	.01	.12	-.03	.17	.29	.00	.63
15 +68 SIT.7/EMERGENCY TELEPHONE ....	.39	.17	.30	-.05	-.05	-.01	.01	.00	.02	-.05	-.22	-.05	.33

FACTOR 4: C1;F6 ORIGINALITYFC; ORDER 1

16 +45 SOCIAL INSTIT'NS/INSIGHTFUL ..	.42	-.02	.02	.65	.27	.06	.04	-.02	-.21	.014	-.335	-.04	.83
17 +84 SIT.17/WRITTEN INTERP/IDEA ...	.36	-.07	.28	.40	.01	.27	-.03	.02	-.01	-.06	-.02	-.23	.51
18 +43 TEST OF INSIGHT/ACHVT MOTIV'N	.25	.11	-.12	.34	.04	-.05	-.03	.02	-.01	-.29	-.01	-.01	.29
19 +44 SOCIAL INSTIT'NS/SUPERFICIAL .	.10	.17	.01	-.53	.18	.014	.305	-.01	-.04	-.034	.425	-.04	.62

FACTOR 5: C1;F4 INTEREST IN SPEAKINGI5; ORDER 1

20 +54 BIOG'L INFO./SPEAKING .....	.10	-.03	-.02	-.01	.76	.01	.00	.06	-.00	.00	-.014	.485	.83
21 +39 PHRASE CHECK LIST/POSITIVE ...	.25	.034	-.445	.01	.624	.395	.03	.01	-.02	-.054	-.345	-.01	.91
22 -40 PHRASE CHECK LIST/NEGATIVE ...	.41	.28	-.15	-.10	.56	.26	-.25	-.05	.04	.05	-.15	.24	.81
23 +66 SIT.6/DESIGNATED LEADERSHIP...	.23	-.01	.03	.17	.39	-.05	-.01	.00	.10	-.05	-.14	.04	.28
24 +21 REVISION II/TOTAL NO. WORDS ..	.19	.23	.26	.04	-.344	-.355	-.01	-.25	-.11	-.04	.00	-.08	.48

FACTOR 6: C1;F11 UNINTERPRETEDI0; ORDER 1

25 +67 SIT.6/DESIGNATED LEADER/STATUS	.14	.01	-.04	-.04	.03	.61	.00	-.02	-.02	.01	.05	.03	.40
26 -22 REVISION II/RATIO SCORE58	.25	.04	.16	.09	.36	.01	.20	.29	.08	-.04	.12	.71

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N=80

(CONTINUED)

V#	1	2	3	4	5	6	7	8	9	10	11	12	H^2
FACTOR 7: O1;F3 IDEATIONAL FLUENCYFI; ORDER 1													
27 +38 BRICK USES/NO.MIN.ACCEPTABLE .	.21	-.01	-.04	.01	.02	-.03	.71	-.00	.19	.01	-.12	.02	.61
28 +#7 SIMILES I - TOTAL ACCEPTABLE..	.32	.00	.05	-.01	-.02	.22	.67	.02	.024	-.385	.02	-.03	.75
29 +48 COMPOUNDING WDS II/# ACCEPTABL	.36	.02	.18	.12	.16	-.06	.53	.00	.04	-.19	.03	.04	.53
30 +33 WORD ASSOCIATION/NO. WORDS....	.49	.24	.12	-.01	.06	-.20	.53	-.20	.29	.09	.20	-.17	.84
31 +#8 PLOT TITLES / NON-CLEVER.....	.05	-.12	.03	.04	.01	.18	.41	.16	-.194	-.395	-.04	.15	.46
32 +73 SIT.12/INTERVIEW LISTENING ...	.24	.10	-.054	.335	-.15	.01	.33	-.03	.01	.03	.15	.02	.33
33 +63 SIT.3/DISTORTION/MATERIAL	-.03	-.10	-.10	-.09	.09	.12	.33	.02	.18	-.02	-.03	.02	.19
FACTOR 8: O1;F10 UNINTERPRETED .....I0; ORDER 1													
34 -72 SIT.12/IDENTIFICATION SOUNDS .	.06	-.01	.04	-.20	-.04	-.01	-.02	.72	.03	-.19	.01	-.04	.61
35 +59 SITUATION 2/ORAL READING .....	.55	.26	-.06	.00	.29	.04	.11	.38	.10	.05	-.14	.00	.65

FACTOR 9: O1;F5 EXPRESSIONAL FLUENCYFE; ORDER 1

36 +18 LETTER STAR II/1ST RESPONSES .	.10	-.09	-.02	.00	-.02	.044	.385	-.12	.564	-.425	-.02	-.06	.67
37 +19 LETTER STAR II/2ND & 3RD RESPS	.19	.00	-.00	.10	.02	-.174	.325	-.04	.564	-.435	.03	.03	.68
38 +71 SIT.10/CONTROL TOWER .....	.14	.14	.04	-.01	-.27	-.00	.134	-.425	.50	-.03	.00	-.03	.56
39 -16 TELEGRAM WRITING III/# WDS ...	.15	-.02	-.13	.05	.024	.355	.00	.02	.46	.21	-.24	-.09	.49
40 +76 SIT.15/EDITING .....	.34	.24	.23	.00	-.18	.01	.00	.04	.46	.03	-.02	.27	.54
41 +42 TEST OF INSIGHT/NEED STATUS ..	.10	.01	.06	-.00	.28	.01	-.04	-.00	.43	.164	.335	.00	.42
42 +#9 PLOT TITLES / CLEVER .....	.37	.02	.15	.18	.15	.01	.23	-.15	.29	.01	.03	-.22	.43

FACTOR 10: O1;F9 UNINTERPRETEDI0; ORDER 1

43 +82 SIT.17/WRITTEN INTERP/INTEREST	.15	.02	.024	.475	-.04	-.03	-.00	.03	-.00	.50	.04	-.01	.50
44 +#5 FIRST AND LAST LETTERS .....	.32	.21	-.21	-.02	.14	.164	.345	.02	.17	.40	.12	-.05	.56

FACTOR 11: O1;F7 UNINTERPRETED.....I0; ORDER 1

45 +#6 VERBAL CLASSIFICATION .....	.37	.15	.01	.04	-.034	.315	.21	.194	.415	-.02	.42	.02	.68
46 +12 TOPICS - NO. CHANGES IN TOPICS	.24	.24	-.05	-.01	-.04	-.01	.05	-.06	.22	-.05	.38	-.01	.32
47 +64 SIT.4/INSTRUCTION ABILITY ....	.20	.05	.02	-.13	.04	.15	-.014	.335	-.01	-.04	-.37	.03	.33
48 +77 SIT.16/ADMINISTER DISCIPLINE .	.31	.02	.23	.17	.18	-.20	-.00	.10	-.23	.01	-.38	-.13	.48
49 +65 SIT.5/PROBLEM SOLVG LEADERSHIP	.06	.00	.17	-.01	-.03	-.05	.16	-.12	-.05	.00	-.454	.325	.38

FACTOR 12: O1;F8 A PERSONALITY FACTORPR; ORDER 1

50 -50 PE SCALE/ANXIETY .....	.04	-.00	-.01	.10	.274	.315	-.05	-.02	-.12	-.01	-.18	.61	.60
51 +51 PE SCALE/LIES .....	.02	.19	-.15	-.12	.22	.03	-.18	.11	.00	.16	.03	.45	.40
52 +83 SIT.17/WRITTEN INTERP/DISTORTN	.10	-.03	-.15	-.00	-.04	.054	.445	-.20	-.13	.06	-.03	-.48	.52

SMSQ: 6.25 2.52 2.21 1.77 2.44 1.65 2.98 1.63 2.43 1.70 1.99 1.70 29.27

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N=80

(CONTINUED)

*** HIERARCHICAL FACTOR MATRIX, ORDER 2 ***

HF # 1ST-ORD FACTOR	1	H^2
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FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2

HF 2 O1;F1 VERBAL ABILITY	V	.79	.63
HF 3 O1;F2 ORAL PRODUCTION	OP	.44	.20
HF 4 O1;F6 ORIGINALITY	FO	.37	.14
HF 5 O1;F4 INTEREST IN SPEAKING	I5	.35	.12
HF 6 O1;F11 UNINTERPRETED	I0	.28	.08
HF 7 O1;F3 IDEATIONAL FLUENCY	FI	.27	.07
HF 8 O1;F10 UNINTERPRETED	I0	.16	.03
HF 9 O1;F5 EXPRESSONAL FLUENCY	FE	.12	.02
HF10 O1;F9 UNINTERPRETED	I0	-.10	.01

HF11 01;F7 UNINTERPRETED.....IO -.18 .03

HF12 01;F8 A PERSONALITY FACTORPR -.29 .09

SMSQ: 1.40 1.40

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