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SPEARTRIT D/SPALDING D/JOHNSTON M - MIDDLE-CLASS GR.6 BOYS
 MEASURING READING COMPREHENSION IN THE UPPER PRIMARY SCHOOL
 CANBERRA- EDUC RES & DEVT COMM RPT #11 1977
 ANALYSIS FROM APPENDIX E.1 VARIMAX-ROTATED MAXLIK SOLUTION P.138

N=166

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

V#	1	2	3	4	5	6	7	H^2
FACTOR 1: O2;F1 CRYSTALLIZED INTELL. ....2C; ORDER 2								
FACTOR 2: O1;F2 VERBAL ABILITY .....V; ORDER 1								
1 +G2 LING. MARKERS .....	.78	.34	.09	.06	-.00	-.03	-.04	.75
2 +G9 EMBEDDED SENT. ....	.70	.33	-.00	.11	.07	-.03	.04	.62
3 +P1 WORD SOUNDS .....	.42	.32	-.10	-.04	.04	.02	-.07	.30
4 +L1 VOCAB - NO CONTEXT .	.75	.29	-.03	.09	.23	.14	-.01	.72
5 +G5 SCRAMBLED SENTENCES	.68	.28	.00	.05	.18	.04	.03	.58
6 +C1 BAS.SK.READ'G/LITERL	.65	.27	.04	-.05	-.064	.315	.13	.62
7 +P2 FIND RHYMES .....	.59	.27	-.02	.21	.09	-.12	-.15	.50
8 +R7 VERBAL INTELL .....	.75	.25	.02	.11	.22	.08	.11	.70
9 +G8 ANAPHORA .....	.64	.23	.04	.09	.07	.10	.03	.49
10 +G1 WORD USES .....	.42	.19	.00	.01	.15	-.07	-.13	.26

FACTOR 3: O1;F3 SENTENCE COMPREHENSION ...R&; ORDER 1

11	+#C7	COMPREH'N/STATEMENTS	.77	-.08	.48	-.01	.00	.19	.02	.87
12	+#C6	COMPREH'N /QUESTIONS	.63	-.02	.39	.07	-.04	-.02	-.09	.57
13	+#G6	COMBINING SENTENCES	.71	.11	.28	-.05	.05	.05	.11	.62
14	+#C9	FOLLOWING INSTRUC B	.59	.03	.24	-.06	.26	.04	.23	.53
15	+#C3	MULT. CH. READING ..	.65	.11	.18	.11	-.05	.20	.14	.54
16	+#C8	FOLLOWING INSTRUC A	.55	.15	.17	-.11	.09	.01	.10	.38
17	+G11	AMBIGUOUS SENT .....	.34	.03	.16	.04	-.02	.01	.04	.15

FACTOR 4: O1;F6 ENGLISH USAGE(PUNCTUATION EU; ORDER 1

18	+#G4	PUNCTUATION B .....	.59	.01	.02	.74	.01	.02	.04	.89
19	+#G3	PUNCTUATION A .....	.59	.18	.00	.52	.07	-.25	-.08	.72
20	+#S1	SPEEDED CLOZE .....	.64	.18	-.06	.27	.24	.09	-.21	.62

FACTOR 5: O1;F4 PERCEPTUAL SPEEDP; ORDER 1

21	+#R1	LETTER GROUPING ....	.25	.05	-.09	-.02	.52	-.04	-.05	.34
22	+#S3	1ST DIGIT CANC'N ...	.21	-.04	.04	-.08	.51	-.12	.06	.33
23	+#R6	REASONING (ETS KIT)	.36	-.09	.03	.13	.47	.13	.02	.39
24	+#P3	HIDDEN WORDS .....	.42	.06	-.04	.05	.46	.04	-.18	.43
25	+#S4	LETTER A .....	.24	.06	-.03	.05	.33	-.14	-.04	.19
26	+G10	DEEP STRUCTURE .....	.76	.14	.18	.03	.30	-.02	-.00	.71
27	+#C5	CHUNKED READING ....	.69	.07	.16	.09	.26	.10	-.05	.59
28	+#L3	VOCAB. IN CONTEXT ..	.72	.17	.09	.13	.21	.03	.05	.62
29	+#C4	CLOZE READING .....	.59	.11	.16	.01	.21	-.05	.07	.44
30	+#G7	COMP. SENT. STRUC ..	.50	.04	.13	.02	.20	.09	-.08	.32
31	+#P4	WORD ATTACK50	.16	-.01	.13	.20	.01	-.08	.33

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MEASURING READING COMPREHENSION IN THE UPPER PRIMARY SCHOOL

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N=166

(CONTINUED)

V#	1	2	3	4	5	6	7	H^2
FACTOR 6: O1;F1 SEMANTIC CONTEXTR6; ORDER 1								
32 +C10 COMPREH EXPLICIT INFO	.58	.02	.12	.06	.01	.51	-.04	.62
33 +C11 COMPREH IMPLICIT INFO	.53	-.02	.18	-.00	.04	.44	.01	.51
34 +C12 RDG TO NOTE DETAILS.	.67	.18	.02	.13	.05	.33	-.01	.61
35 +C13 READING F. INFERENCE	.68	.02	.27	-.01	.02	.32	-.09	.65
36 +C2 BAS.SK.RDG./IMPLIED	.69	.15	.17	-.09	.02	.31	.12	.65
37 +L2 ENG. PICT. VOCAB. ..	.50	.02	.09	.10	.18	.22	.05	.35
FACTOR 7: O1;F5 INDUCTIVE REASONING .....I; ORDER 1								
38 +R5 RAVEN PROG MAT E ...	.21	.00	.03	.06	.00	.22	.62	.49
39 +R4 RAVEN PROG MAT D....	.34	.13	.03	-.06	.21	-.06	.48	.42
40 +R2 RAVEN PROG MAT A;B .	.29	.23	-.07	-.05	.05	.03	.44	.33
41 +R3 RAVEN PROG MAT C ...	.35	.10	.05	.07	.13	-.07	.39	.32
42 +S2 CHAPMAN/COOK SPD RDG	.60	.13	.01	.194	.315	-.01	-.40	.67

SMSQ:13.84 1.18 .92 1.18 1.91 1.25 1.45 21.74

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

HF # 1ST-ORD FACTOR 1 H^2

 FACTOR 1: O2;F1 CRYSTALLIZED INTELL.2C; ORDER 2

HF 2 O1;F2 VERBAL ABILITYV .87 .76

HF 3 O1;F3 SENTENCE COMPREHENSION ...R& .86 .74

HF 4 O1;F6 ENGLISH USAGE(PUNCTUATION EU .57 .32

HF 5 O1;F4 PERCEPTUAL SPEEDP .55 .31

HF 6 O1;F1 SEMANTIC CONTEXTR& .49 .24

HF 7 O1;F5 INDUCTIVE REASONINGI -.04 .00

SMSQ: 2.37 2.37