

MORROW RS - AN EXPERIMENTAL ANALYSIS OF THE THEORY OF  
 INDEPENDENT ABILITIES - J EDUC PSYCHOL 1941 32 495-512  
 TABLE II P.500 - MALE INTROD PSYCHOL BROOKLYN COLL/NYU MDN AGE 18;4

N=80

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

V#	1	2	3	4	5	6	7	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2								
FACTOR 2: O1;F4 PERCEPTUAL SPEED/CLERICAL..P; ORDER 1								
1 +18 MINNESOTA NAME CHECKING .....	.68	.63	.01	.10	.04	-.07	.04	.88
2 +17 MINNESOTA NUMBER CHECKING ....	.48	.50	.01	-.12	.02	.16	-.04	.52
3 +#6 THURSTONE ARTIFICIAL LANGUAGE	.57	.27	.03	.28	.18	.24	-.05	.57
FACTOR 3: O1;F3 AUDITORY MUSICAL DISCRIM. U3; ORDER 1								
4 +14 SEASHORE TONAL MEMORY .....	.49	.03	.68	.07	-.01	.10	.02	.72
5 +10 SEASHORE PITCH .....	.24	-.06	.56	-.08	-.03	.244	.335	.55
6 +15 SEASHORE RHYTHM .....	.31	.08	.48	.03	-.13	-.10	-.02	.36
7 +11 SEASHORE INTENSITY .....	.20	-.03	.37	-.02	.11	-.094	.335	.31
8 +12 SEASHORE TIME .....	.26	-.17	.37	.27	.10	.07	.02	.32
FACTOR 4: O1;F5 VERBAL ABILITY .....V; ORDER 1								
9 +#7 THURSTONE SAME-OPPOSITE .....	.29	-.08	.04	.60	.08	.00	-.08	.46
10 +16 MEIER-SEASHORE ART JUDGMENT ..	.17	.03	.03	.44	-.10	-.094	.475	.46
11 +#5 THURSTONE COMPLETION .....	.32	.07	-.05	.30	.27	.07	.11	.29
FACTOR 5: O1;F1 INDUCTIVE REASONING .....I; ORDER 1								
12 +#3 THURSTONE NUMBER SERIES .....	.52	.04	.23	-.01	.66	.04	-.11	.77
13 +#1 THURSTONE ARITHMETIC .....	.28	-.05	.03	.05	.64	-.04	.17	.52
FACTOR 6: O1;F6 VISUALIZATION .....V2; ORDER 1								
14 +19 MINN PAPER FORM BOARD REVISED	.23	.08	.11	.04	.02	.414	.345	.36
15 +13 SEASHORE CONSONANCE .....	.04	-.04	.24	.00	-.29	.37	.07	.29
16 +#2 THURSTONE ANALOGIES .....	.34	.05	-.04	.24	.27	.34	.02	.37
FACTOR 7: O1;F2 FINGER DEXTERITY .....P2; ORDER 1								
17 +21 MINN ASSEMBLY BOX .....	-.19	-.07	-.09	.02	-.10	.11	.67	.52
18 +22 O'CONNOR FINGER DEXTERITY ....	-.07	.05	.01	-.05	.014	-.305	.64	.51
19 +20 MINN SPATIAL RELATIONS .....	.06	.03	-.03	.04	.06	.20	.58	.39
20 +23 O'CONNOR TWEEZER DEXTERITY ...	-.11	-.03	.05	-.26	.12	-.03	.50	.34

SMSQ: 2.31 .80 1.42 .96 1.19 .76 2.07 9.51

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(CONTINUED)

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

HF #	1ST-ORD FACTOR	1	H^2
	FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2		
HF 2	O1;F4 PERCEPTUAL SPEED/CLERICAL..P	.70	.49
HF 3	O1;F3 AUDITORY MUSICAL DISCRIM. U3	.52	.27
HF 4	O1;F5 VERBAL ABILITY .....	.45	.20
HF 5	O1;F1 INDUCTIVE REASONING .....	.44	.20
HF 6	O1;F6 VISUALIZATION .....	.19	.04
HF 7	O1;F2 FINGER DEXTERITY .....	-.07	.01
	SMSQ:	1.20	1.20