

GUIL37

GUILFORD JP/LACEY JI (EDS) - PRINTED CLASSIFICATION TESTS  
 WASHINGTON: GPO 1947 (AAF AVIAT PSYCHOL REPORT #5)  
 TABLE 11.20 P.262 PEARSON R'S - MEMORY BATTERY II  
 (N=238 TO 527 - UNCLASSIFIED AVIATION STUDENTS)  
 (MUCH INCOMPLETE DATA)

N=238

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

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2						
FACTOR 2: O1;F2 PERCEPTUAL SPEED .....P; ORDER 1						
1 + #2 SPATIAL ORIENTATION I .....	.53	.41	-.08	-.06	-.06	.46
2 + #1 SPEED OF IDENTIFICATION .....	.46	.35	-.01	-.17	.17	.39
3 + #3 SPATIAL ORIENTATION II .....	.53	.33	-.03	.01	.11	.40
4 +10 MAP MEMORY/CI505AX2 .....	.62	.30	.06	.17	-.07	.52
5 + #9 MAP MEMORY/CI505BX1 .....	.55	.24	.17	.13	-.24	.46
FACTOR 3: O1;F1 ASSOCIATIVE MEMORY .....MA; ORDER 1						
6 +13 MEMORY FOR LANDMARKS .....	.52	.00	.65	.00	-.20	.73
7 +15 PLANE NAME MEMORY .....	.49	-.03	.63	.00	.08	.64
8 +16 MEMORY FOR SHIPS .....	.45	.03	.47	-.06	.21	.47
FACTOR 4: O1;F3 REASONING .....RG; ORDER 1						
9 + #7 ARITHMETIC REASONING .....	.31	.02	-.07	.59	-.16	.48
10 + #6 READ. CMPRHNSION/AC10D/PT II .	.41	-.03	.09	.55	.16	.50
11 + #5 MECH. COMPREHNSION/AC10D/PTVI	.37	.07	-.02	.36	.26	.35
FACTOR 5: O1;F4 UNINTERPRETED .....IO; ORDER 1						
12 +12 MEMORY FOR PLANE SILHOUETTES .	.51	.074	.385	.00	.45	.61
13 + #4 SAM COMPLEX COORDINATION ....	.31	.05	.06	.20	.35	.26
SMSQ: 2.93 .57 1.23 .91 .64 6.28						

\*\*\* 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;F2 PERCEPTUAL SPEED .....	.84	.71
HF 3 O1;F1 ASSOCIATIVE MEMORY .....	.64	.42
HF 4 O1;F3 REASONING .....	.53	.28
HF 5 O1;F4 UNINTERPRETED .....	.18	.03
SMSQ: 1.44 1.44		