

ICPSR 4248

**ACTIVE (Advanced Cognitive
Training for Independent and Vital
Elderly), 1999-2001 [United States]**

Sharon Tennstedt
New England Research Institutes

John Morris
Hebrew Senior Life-Boston

Frederick Unverzagt
Indiana University

George Rebok
Johns Hopkins University

Sherry Willis
Pennsylvania State University

Karlene Ball
University of Alabama-Birmingham

Michael Marsiske
University of Florida

Form 311 Word Series Codebook

Inter-university Consortium for
Political and Social Research
P.O. Box 1248
Ann Arbor, Michigan 48106
www.icpsr.umich.edu

Terms of Use

The terms of use for this study can be found at:
<http://www.icpsr.umich.edu/cocoon/ICPSR/TERMS/4248.xml>

ACTIVE

Word Series

DATA FORM BOOK

Form # 311

A1. ID#:	<input type="text" value="Label"/>
A2. Visit #	IND3, IND4, IND5, IND6 (circle one)
A3. Form Version:	06/01/2001

VISIT	Frequency	Percent	Cum Freq	Cum Percent
IND3	1854	53.86	1854	53.86
IND5	1588	46.14	3442	100.00

WORD SERIES TEST

This is a test to see how well you can follow a series of words. In EXAMPLE A, find the word in the answer choices that follows the last word in the column on the left.

EXAMPLE A

January
February
January
February
January
February
January
February

Answer Choices

January
February
March
April
May

The next word in the series is JANUARY. The series goes like this:

January February January February January February.

The word JANUARY has been circled in the answer column.

Now study the series of words in EXAMPLE B. Decide what the **next** word in the series should be. Circle this word in the answer column.

EXAMPLE B

March
January
April
January
May
January
June
January

Answer Choices

March
April
May
June
July

The series goes like this:

March January April January May January June January.

The next word in the series is JULY. You should have circled the word JULY in the answer column.

Now study the series of words in EXAMPLES C, D, and E. Decide what the **next** word should be in each series. Circle the correct word in the answer column. If you wish to change an answer, cross out your first answer, then circle the new answer.

EXAMPLE C

March
April
March
April
March
April

Answer Choices

January
February
March
April
May

EXAMPLE D

January
January
February
February
March
March
April
April

Answer Choices

January
February
March
April
May

EXAMPLE E

January
February
Thursday
March
April
Thursday
May
June
Thursday
July
August
Thursday

Answer Choices

August
September
October
November
Thursday

In **EXAMPLE C**, the series goes like this: March April March April March April. You should have circled MARCH as the next word in the series.

In **EXAMPLE D**, the series goes like this:

January January February February March March April April. The next word in the series is MAY. The word MAY should have been circled.

In **EXAMPLE E**, the series goes like this: January February Thursday March April Thursday May June Thursday July August Thursday. The next word in the series is SEPTEMBER. You should have circled the word SEPTEMBER.

GO ON TO THE NEXT PAGE

In **EXAMPLE F**, the series goes like this: January January January February February February March March March April April. You should have circled APRIL.

In **EXAMPLE G**, the series goes like this: January Thursday February Friday January Thursday February Friday January Thursday February. You should have circled FRIDAY.

In **EXAMPLE H**, the series goes like this: January February Wednesday March April Wednesday May June Wednesday July August Wednesday. You should have circled SEPTEMBER.

In **EXAMPLE I**, the series goes like this: April May April June April July April August April September April October April. You should have circled NOVEMBER.

In **EXAMPLE J**, the series goes like this: January February March April January February March May January February March June January February March. You should have circled JULY.

Be sure you understand how to work this kind of problem. When the examiner gives the signal, you are to work more problems like those above.

If you come to a problem you cannot work, skip it and go on to the next problem. If you have time, go back again to the hard problems.

Work quickly, but try not to make mistakes. You will have six minutes for the test. You are not expected to finish in the time allowed.

STOP HERE

DO NOT TURN THE PAGE UNTIL THE EXAMINER TELLS YOU

1	ANSWERS	2	ANSWERS	3	ANSWERS
January	January	January	April	January	July
January	March	Sunday	May	February	August
February	June	January	June	March	September
March	July	Monday	Sunday	January	October
March	August	February	Monday	February	November
April		Sunday		March	
May		February		April	
May		Monday		May	
June		March		June	
July		Sunday		April	
July		March		May	
		Monday		June	
		April		July	
		Sunday		August	
		April		September	

SER1	Frequency	Percent	Cum Freq	Cum Percent
-9	44	1.28	44	1.28
-7	2	0.06	46	1.34
-4	2	0.06	48	1.39
1	6	0.17	54	1.57
2	6	0.17	60	1.74
3	35	1.02	95	2.76
4	133	3.86	228	6.62
5	3214	93.38	3442	100.00

SER2	Frequency	Percent	Cum Freq	Cum Percent
-9	45	1.31	45	1.31
-7	7	0.20	52	1.51
-4	1	0.03	53	1.54
-3	3	0.09	56	1.63
1	28	0.81	84	2.44
2	143	4.15	227	6.60
3	9	0.26	236	6.86
4	122	3.54	358	10.40
5	3084	89.60	3442	100.00

SER3	Frequency	Percent	Cum Freq	Cum Percent
-9	214	6.22	214	6.22
-7	16	0.46	230	6.68
-4	5	0.15	235	6.83
-3	5	0.15	240	6.97
-2	3	0.09	243	7.06
1	1930	56.07	2173	63.13
2	63	1.83	2236	64.96
3	64	1.86	2300	66.82
4	1079	31.35	3379	98.17
5	63	1.83	3442	100.00

4 ANSWERS 5 ANSWERS 6 ANSWERS

January
February
March
Sunday
Monday
Tuesday
April
May
June
Sunday
Monday
Tuesday
July
August
September

October
November
December
Sunday
Monday

January
February
March
January
February
April
January
February
May
January
February
June

January
February
March
June
July

Thursday
Friday
Saturday
January
Thursday
Friday
Saturday
February
Thursday
Friday
Saturday
March
Thursday
Friday
Saturday

Thursday
February
March
April
May

GO ON TO THE NEXT PAGE

SER4	Frequency	Percent	Cum Freq	Cum Percent
-9	102	2.96	102	2.96
-7	8	0.23	110	3.20
-4	8	0.23	118	3.43
-3	8	0.23	126	3.66
-2	8	0.23	134	3.89
1	422	12.26	556	16.15
2	15	0.44	571	16.59
3	8	0.23	579	16.82
4	2646	76.87	3225	93.70
5	217	6.30	3442	100.00

SER5	Frequency	Percent	Cum Freq	Cum Percent
-9	36	1.05	36	1.05
-7	4	0.12	40	1.16
-4	2	0.06	42	1.22
-3	11	0.32	53	1.54
-2	16	0.46	69	2.00
1	2772	80.53	2841	82.54
2	11	0.32	2852	82.86
3	24	0.70	2876	83.56
4	20	0.58	2896	84.14
5	546	15.86	3442	100.00

SER6	Frequency	Percent	Cum Freq	Cum Percent
-9	49	1.42	49	1.42
-7	5	0.15	54	1.57
-4	1	0.03	55	1.60
-3	46	1.34	101	2.93
-2	27	0.78	128	3.72
1	62	1.80	190	5.52
2	16	0.46	206	5.98
3	22	0.64	228	6.62
4	3170	92.10	3398	98.72
5	44	1.28	3442	100.00

7
 February
 March
 Tuesday
 April
 May
 Tuesday
 June
 July
 Tuesday
 August
 September
 Tuesday
 October
 November
 Tuesday

ANSWERS
 Tuesday
 January
 October
 November
 December

8
 March
 February
 January
 March
 February
 January
 March
 February
 January
 March
 February

ANSWERS
 January
 February
 March
 April
 May

9
 January
 Wednesday
 February
 March
 Wednesday
 April
 May
 June
 Wednesday
 July
 August
 September
 October

ANSWERS
 September
 October
 November
 December
 Wednesday

SER7	Frequency	Percent	Cum Freq	Cum Percent
-9	60	1.74	60	1.74
-7	2	0.06	62	1.80
-4	1	0.03	63	1.83
-3	67	1.95	130	3.78
-2	73	2.12	203	5.90
1	30	0.87	233	6.77
2	21	0.61	254	7.38
3	14	0.41	268	7.79
4	364	10.58	632	18.36
5	2810	81.64	3442	100.00

SER8	Frequency	Percent	Cum Freq	Cum Percent
-9	104	3.02	104	3.02
-7	8	0.23	112	3.25
-4	1	0.03	113	3.28
-3	72	2.09	185	5.37
-2	140	4.07	325	9.44
1	2800	81.35	3125	90.79
2	20	0.58	3145	91.37
3	137	3.98	3282	95.35
4	142	4.13	3424	99.48
5	18	0.52	3442	100.00

SER9	Frequency	Percent	Cum Freq	Cum Percent
-9	214	6.22	214	6.22
-7	17	0.49	231	6.71
-4	2	0.06	233	6.77
-3	129	3.75	362	10.52
-2	212	6.16	574	16.68
1	9	0.26	583	16.94
2	12	0.35	595	17.29
3	373	10.84	968	28.12
4	11	0.32	979	28.44
5	2463	71.56	3442	100.00

10
 January
 January
 March
 March
 May
 May
 July
 July
 September
 September

ANSWERS
 August
 September
 October
 November
 December

11
 March
 April
 March
 April
 Tuesday
 Wednesday
 May
 June
 May
 June
 Tuesday
 Wednesday
 July
 August

ANSWERS
 Tuesday
 Wednesday
 July
 August
 September

12
 January
 February
 February
 March
 March
 March
 April
 April
 April
 April
 May
 May
 May
 May

ANSWERS
 April
 May
 June
 July
 August

SER10	Frequency	Percent	Cum Freq	Cum Percent
-9	71	2.06	71	2.06
-7	2	0.06	73	2.12
-3	74	2.15	147	4.27
-2	341	9.91	488	14.18
1	48	1.39	536	15.57
2	27	0.78	563	16.36
3	1077	31.29	1640	47.65
4	1775	51.57	3415	99.22
5	27	0.78	3442	100.00

SER11	Frequency	Percent	Cum Freq	Cum Percent
-9	155	4.50	155	4.50
-7	13	0.38	168	4.88
-4	10	0.29	178	5.17
-3	189	5.49	367	10.66
-2	415	12.06	782	22.72
1	511	14.85	1293	37.57
2	135	3.92	1428	41.49
3	1633	47.44	3061	88.93
4	21	0.61	3082	89.54
5	360	10.46	3442	100.00

SER12	Frequency	Percent	Cum Freq	Cum Percent
-9	83	2.41	83	2.41
-7	6	0.17	89	2.59
-4	1	0.03	90	2.61
-3	120	3.49	210	6.10
-2	604	17.55	814	23.65
1	17	0.49	831	24.14
2	1996	57.99	2827	82.13
3	606	17.61	3433	99.74
4	5	0.15	3438	99.88
5	4	0.12	3442	100.00

13
 January
 February
 March
 January
 February
 March
 April
 January
 February
 March
 April
 May

ANSWERS
 January
 February
 March
 April
 May

14
 January
 February
 March
 March
 April
 May
 June
 June
 July
 August
 September
 September
 October
 November
 December

ANSWERS
 October
 November
 December
 January
 February

15
 January
 February
 January
 March
 April
 March
 May
 June
 May
 July
 August
 July
 September
 October

ANSWERS
 July
 August
 September
 October
 November

GO ON TO THE NEXT PAGE

SER13	Frequency	Percent	Cum Freq	Cum Percent
-9	150	4.36	150	4.36
-7	9	0.26	159	4.62
-3	243	7.06	402	11.68
-2	724	21.03	1126	32.71
1	2085	60.58	3211	93.29
2	43	1.25	3254	94.54
3	91	2.64	3345	97.18
4	36	1.05	3381	98.23
5	61	1.77	3442	100.00

SER14	Frequency	Percent	Cum Freq	Cum Percent
-9	135	3.92	135	3.92
-7	8	0.23	143	4.15
-3	316	9.18	459	13.34
-2	967	28.09	1426	41.43
1	17	0.49	1443	41.92
2	23	0.67	1466	42.59
3	1629	47.33	3095	89.92
4	337	9.79	3432	99.71
5	10	0.29	3442	100.00

SER15	Frequency	Percent	Cum Freq	Cum Percent
-9	449	13.04	449	13.04
-7	35	1.02	484	14.06
-3	439	12.75	923	26.82
-2	1283	37.27	2206	64.09
1	70	2.03	2276	66.12
2	103	2.99	2379	69.12
3	642	18.65	3021	87.77
4	47	1.37	3068	89.13
5	374	10.87	3442	100.00

16
 January
 February
 March
 Thursday
 Friday
 April
 May
 June
 Thursday
 Friday
 July
 August
 September
 Thursday
 Friday

ANSWERS
 September
 October
 November
 Thursday
 Friday

17
 January
 February
 February
 February
 March
 April
 April
 April
 April
 May
 June
 June
 June
 July
 August
 August

ANSWERS
 July
 August
 September
 October
 November

18
 August
 July
 June
 May
 April
 March
 February

ANSWERS
 January
 February
 March
 July
 August

SER16	Frequency	Percent	Cum Freq	Cum Percent
-9	52	1.51	52	1.51
-7	4	0.12	56	1.63
-3	246	7.15	302	8.77
-2	1722	50.03	2024	58.80
1	120	3.49	2144	62.29
2	1265	36.75	3409	99.04
3	18	0.52	3427	99.56
4	7	0.20	3434	99.77
5	8	0.23	3442	100.00

SER17	Frequency	Percent	Cum Freq	Cum Percent
-9	45	1.31	45	1.31
-7	1	0.03	46	1.34
-3	159	4.62	205	5.96
-2	1968	57.18	2173	63.13
1	3	0.09	2176	63.22
2	1239	36.00	3415	99.22
3	23	0.67	3438	99.88
4	1	0.03	3439	99.91
5	3	0.09	3442	100.00

SER18	Frequency	Percent	Cum Freq	Cum Percent
-9	56	1.63	56	1.63
-7	3	0.09	59	1.71
-4	1	0.03	60	1.74
-3	137	3.98	197	5.72
-2	2127	61.80	2324	67.52
1	1077	31.29	3401	98.81
2	6	0.17	3407	98.98
3	29	0.84	3436	99.83
4	2	0.06	3438	99.88
5	4	0.12	3442	100.00

19
 Sunday
 February
 Tuesday
 April
 Thursday
 June
 Saturday

ANSWERS
 April
 May
 June
 July
 August

20
 January
 Thursday
 February
 Friday
 March
 Saturday
 January
 Thursday
 February
 Friday
 March
 Saturday
 January
 Thursday
 February

ANSWERS
 January
 February
 March
 Thursday
 Friday

21
 January
 February
 February
 March
 April
 April
 May
 June
 June
 July
 August

ANSWERS
 May
 June
 July
 August
 September

SER19	Frequency	Percent	Cum Freq	Cum Percent
-9	52	1.51	52	1.51
-7	4	0.12	56	1.63
-4	1	0.03	57	1.66
-3	229	6.65	286	8.31
-2	2264	65.78	2550	74.08
1	4	0.12	2554	74.20
2	12	0.35	2566	74.55
3	3	0.09	2569	74.64
4	177	5.14	2746	79.78
5	696	20.22	3442	100.00

SER20	Frequency	Percent	Cum Freq	Cum Percent
-9	49	1.42	49	1.42
-7	7	0.20	56	1.63
-4	1	0.03	57	1.66
-3	194	5.64	251	7.29
-2	2493	72.43	2744	79.72
1	2	0.06	2746	79.78
2	8	0.23	2754	80.01
3	28	0.81	2782	80.83
4	10	0.29	2792	81.12
5	650	18.88	3442	100.00

SER21	Frequency	Percent	Cum Freq	Cum Percent
-9	36	1.05	36	1.05
-7	1	0.03	37	1.07
-4	1	0.03	38	1.10
-3	99	2.88	137	3.98
-2	2687	78.07	2824	82.05
3	1	0.03	2825	82.07
4	600	17.43	3425	99.51
5	17	0.49	3442	100.00

22
 February
 March
 Sunday
 Monday
 May
 June
 Wednesday
 Thursday
 August
 September
 Saturday
 Sunday

ANSWERS
 Friday
 Saturday
 Sunday
 October
 November

23
 January
 February
 March
 January
 April
 May
 June
 April
 July
 August
 September
 July
 October
 November
 December

ANSWERS
 September
 October
 November
 December
 January

24
 January
 Sunday
 February
 Monday
 March
 Tuesday
 April
 Wednesday
 May
 Thursday
 June
 Friday
 July

ANSWERS
 June
 July
 August
 Friday
 Saturday

GO ON TO THE NEXT PAGE

SER22	Frequency	Percent	Cum Freq	Cum Percent
-9	43	1.25	43	1.25
-7	3	0.09	46	1.34
-3	182	5.29	228	6.62
-2	2786	80.94	3014	87.57
3	4	0.12	3018	87.68
4	222	6.45	3240	94.13
5	202	5.87	3442	100.00

SER23	Frequency	Percent	Cum Freq	Cum Percent
-9	103	2.99	103	2.99
-7	10	0.29	113	3.28
-3	167	4.85	280	8.13
-2	2968	86.23	3248	94.36
1	4	0.12	3252	94.48
2	145	4.21	3397	98.69
3	7	0.20	3404	98.90
4	1	0.03	3405	98.93
5	37	1.07	3442	100.00

SER24	Frequency	Percent	Cum Freq	Cum Percent
-9	25	0.73	25	0.73
-7	1	0.03	26	0.76
-3	33	0.96	59	1.71
-2	3135	91.08	3194	92.79
2	1	0.03	3195	92.82
3	8	0.23	3203	93.06
4	2	0.06	3205	93.11
5	237	6.89	3442	100.00

25
 January
 January
 February
 February
 March
 April
 April
 May
 May
 June
 July
 July
 August

ANSWERS
 August
 September
 October
 November
 December

26
 January
 January
 February
 January
 February
 March
 March
 April
 March
 April
 May
 May
 June

ANSWERS
 May
 June
 July
 August
 September

27
 January
 March
 June
 August
 November
 January
 April
 June

ANSWERS
 May
 June
 July
 August
 September

SER25	Frequency	Percent	Cum Freq	Cum Percent
-9	2	0.06	2	0.06
-3	62	1.80	64	1.86
-2	3168	92.04	3232	93.90
1	191	5.55	3423	99.45
2	18	0.52	3441	99.97
3	1	0.03	3442	100.00

SER26	Frequency	Percent	Cum Freq	Cum Percent
-9	27	0.78	27	0.78
-7	3	0.09	30	0.87
-3	67	1.95	97	2.82
-2	3230	93.84	3327	96.66
1	66	1.92	3393	98.58
2	17	0.49	3410	99.07
3	32	0.93	3442	100.00

SER27	Frequency	Percent	Cum Freq	Cum Percent
-9	31	0.90	31	0.90
-7	2	0.06	33	0.96
-3	41	1.19	74	2.15
-2	3297	95.79	3371	97.94
1	3	0.09	3374	98.02
2	1	0.03	3375	98.05
3	11	0.32	3386	98.37
4	25	0.73	3411	99.10
5	31	0.90	3442	100.00

28
 August
 August
 August
 August
 August
 September
 September
 September
 September
 October
 October
 October
 October
 November

ANSWERS
 July
 August
 September
 October
 November

29
 January
 February
 March
 March
 February
 January
 April
 May
 June
 June
 May
 April
 July
 August
 September

ANSWERS
 August
 September
 October
 November
 December

30
 January
 February
 March
 February
 March
 April
 May
 June
 May
 June
 June
 July
 August
 September
 August

ANSWERS
 June
 July
 August
 September
 October

STOP HERE

SER28	Frequency	Percent	Cum Freq	Cum Percent
-3	12	0.35	12	0.35
-2	3338	96.98	3350	97.33
5	92	2.67	3442	100.00

SER29	Frequency	Percent	Cum Freq	Cum Percent
-9	7	0.20	7	0.20
-3	45	1.31	52	1.51
-2	3350	97.33	3402	98.84
2	37	1.07	3439	99.91
3	3	0.09	3442	100.00

SER30	Frequency	Percent	Cum Freq	Cum Percent
-9	8	0.23	8	0.23
-3	12	0.35	20	0.58
-2	3395	98.63	3415	99.22
2	1	0.03	3416	99.24
4	24	0.70	3440	99.94
5	2	0.06	3442	100.00

Adapted by special permission of Consulting Psychological Press, Inc.,
 Palo Alto, CA 94306, from Schaie - Thurston Primary Mental Abilities Test, © 1985
 Constructed by Judith Gonda, 1978