

1. 5076 Dale Barton

132547698	1	4	5	6	9	
123549876	-		S		-	
123546798	S				-	
542316978	S	-	-	-		
314256		-	-	-		A
251436		-	-	-		
435126		-	-	-		
152346		-		-		
345216		-	-	-		
135246			A			
243516		-	-	-		
123546			A			
542316798	S	-	-	-		
152346			A			
345216879	-	-	-	-		
135246			A			
243517968	-	-	-	-	-	
123547			A			
542317698	S	-	-	-		
152347			A			
345217		-	-	-		
135247			A			
243517		-	-	-		
123547			A			

Repeat
Start from rounds as the first row of a slow si

2. 5009 Frank E Darby

1 2 3 4 5 6 7 8 9 4 5 6 7

5 3 4 1 2 6 9 7 8 - - a

2 4 3 1 5 6 - -

1 2 4 3

s -

3 1 2 4

s -

4 3 1 2

s -

2 1 3 4

- -

A

4 2 1 3

s -

3 4 2 1

s -

1 3 4 2

s -

2 6 4 3 5 1

s -

3 4 6 2

A

6 1 4 2 5 3

- s

2 4 1 6

A

6 3 1 4 5 2

s -

4 1 3 6

A

3 2 1 6 5 4

- s

6 1 2 3

A

5 4 2 3 6 1

s s

3 2 4 5

A

4 1 2 5 6 3

- s

5 2 1 4

A

1 3 2 5 6 4

- -

5 2 3 1

A

1 4 3 5 6 2

- -

5 3 4 1

A

1 2 4 3 6 5

s -

3 4 2 1

A

6 2 1 3 5 4 8 7 9

b

3 2 1 5 6 4

- 2 -

1 4 2 3 6 5

- -

3 2 4 1

A

a = 1s. 2s. 3. 4. 9. 10. 11 (12 sixes

b = 2s. 3. 4. 7s. 9. 10. 11 (12 sixes

3. 5022 Alexander E Holroyd

123456789

982713456

a

516273849

b

891234567

5c

a = part 1s . 6 . 9s . 10 . 12s (12 sixes)
b = 2 . 3 . 4 . 5 . 6 . 8s . 9 . 10 (11 sixes)
c = 1s . 6s . 9s . 10 . 12s . 13 (14 sixes)

4. 5076 Alexander E Holroyd

1 2 3 4 5 6 7 8 9

7 3 8 4 9 5 1 6 2

a

3 4 5 6 7 8 9 1 2

5b

a-part = s1 . s6 . s9 . 10 . s12 . 13 (14 sixes)

b = s1 . 6 . s9 . 10 . 14 . 15 (16 sixes)

5. 5075 J M Hadley Hunter

123456789	1	4	5	6	9
423516978	-	-	2	-	
513246		S		-	
234156		-		-	
134526		-	2	-	
542316		-		-	
321456		-		-	
421536		-	2	-	
531246		S		-	
214356		-		-	
4321			2B		
3412			A		
1234			2B		
325417896	-	-			S
432517689	-		S	-	
512347		S		-	
324157		-		-	
1324			C		
523417968	-	-	-		
432517698	S		-	-	
512347		S		-	
324157		-		-	
1324			C		

A

B

Omit last two courses of final C

7. 5027 Donald F Morrison

123456789 5 6 7

523416879 1s.4s
 412356 4.5.6
 3412 s -
 2341 s -
 1234 s -
 352461978 a

315462	-	2	-	A
521364	-		-	
341562		-	-	
324561	-	2	-	
412365	-		-	
251463	-		-	
431265		-	-	

453162879 b
 142365 A
 154263 s -
 213465 A
 251364978 b
 324165 A
 352461879 b
 431265 A
 453162978 b
 142365 A
 154263 s -
 213465 A
 251364879 b
 324165 A

a = 1.2.5s.8.10.11.14.17s.22s.25 (26 sixes)
 b = s4 s6 10 12 13 s15 s19 20 (20 sixes)

8, 5013 Richard C Offen (No 1)

123456789 5 6 7

341297568 a
 2341 s -
 1234 s -
 341256978 b

2341	s	-	A
1234	s	-	
4123	s	-	
3214	-	-	
4321	s	-	
1432	s	-	
2143	s	-	

364152		s	-
1463		A	
624351	-		s
3426		A	
231465		C	
4132		A	

253164		s	-	B
1352		A		
543261	-		s	
2345		A		
514362		s	-	
3415		A		

514362879		d	
3415		A	
134265		B	

- a = 1s.2.4s.6s.8s (8 sixes)
- b = 2s.4s.6s.8s (8 sixes)
- c = 1s.2.5.6.7.10s.13s.14.15.16.18 (18 sixes)
- d = 2s.3.6s.11.12.14s (18 sixes)

9,5059 Richard C Offen

(No 2)

123456789 5 6 7

213456978 a

4213	S	-		A
3421	S	-		
1342	S	-		
2431	-	-		
1243	S	-		
3124	S	-		
4312	S	-		

261354		S	-
3162		A	
641253	-		S
2146		A	
431297568		b	
2431	S	-	
1243	S	-	
231465978		C	
4132		A	

253164		S	-		B
1352		A			
543261	-		S		
2345		A			
514362		S	-		
3415		A			

524163879		d	
1425		A	
214365		B	

a = 1s.2.6.8s.10s.12.14s.16s (16 sixes)

b = 3s.4.8s.12.13.14.16 (18 sixes)

c = 1.2.4s.5.6.8s (8 sixes)

d = 2s.3.6s.11.12.14s.16 (18 sixes)

10. 5007 Joseph W Parker

1 2 3 4 5 6 7 8 9 4 5 6 7

5 3 4 6 1 2 9 7 8 a
1 3 4 6 5 2 s
6 2 5 4 1 3 - - -

4 3 1 5 6 2 - - -
4 2 3 5 6 1 - 2 -
5 3 2 4 - -
6 1 3 2 5 4 - - -

6 3 2 5 4 1 2A

5 1 4 2 6 3 - - -
5 3 1 2 6 4 - 2 -
2 1 3 5 - -

6 1 3 5 2 4 s
6 5 2 4 1 3 4A
2 3 5 4 6 1 B

6 1 4 2 5 3 8 7 9 b
1 3 4 2 6 5 C

a = 1.2.3.5.9.10.12 (12 sixes)

b = 2s.4.5.9.11.12 (12 sixes)

11. 5059 Joseph W Parker

1 2 3 4 5 6 7 8 9 1 4 5 6 7

4 2 3 5 1 6 9 7 8 - - 2 - -
 1 6 2 3 4 5 - - -
 3 5 4 2 1 6 - -
 2 4 5 3 - -

3 4 5 1 2 6	-	2	-		A
2 6 4 5 3 1	-	-		-	
5 1 3 4 2 6	-		-	-	
4 3 1 5		-	-		

5 1 4 2 3 6		2A		
2 1 4 3 5 6	-	2	-	
5 6 1 4 2 3	-	-		-
4 3 2 1 5 6	-		-	-
1 2 3 5 4 6	s	-	-	
4 1 5 2 3 6		4A		
2 6 1 3 4 5	-	-	-	-
6 3 4 5 2 1 8 7 9		a		
5 2 3 4 6 1	-	-	-	

4 1 3 5 6 2			-	-	B
5 3 1 4			-	-	
6 2 3 1 5 4	-	-		-	
1 4 5 3 6 2	-		-	-	
3 5 4 1		-	-		

2 1 5 3 6 4		3B		
3 4 5 2 6 1			-	-
2 5 4 3			-	-
6 1 4 5 2 3	s			-
5 3 2 4 6 1	-		-	-
4 2 3 5			-	-
2 1 4 3 6 5		4B		

a = 1 2 3 5 6 7 8 12 13 14 (15 sixes)

12. 5076 Joseph W Parker

123456789	1	4	5	6	7
463152978	-			-	-
1364			-	-	
423516		-	-	-	-
512346		-	-	-	
324156		-		-	
362154			-	2	-
246351			-		-
614253			-		-
234651				-	-
213654			-	2	-
341256			-		-
261354				-	-
3162			-	-	
645132		-			-
425361		-	2		-
512463			-		-
432561				-	-
413562			-	2	-
321465			-		-
451362				-	-
431652			A		
423156			S		-
163452				-	-
143562			A		
324165			-		-
154362				-	-
134652			A		
123456			S		-
432156897	-		-	-	
123456789	-		-	-	

13. 5049 Charles H P Pipe-Wolferstan

1	2	3	4	5	6	7	8	9	1	3	4	5	6	7
4	1	2	3	5	6	9	7	8	-			s	-	
3	4	1	2									s	-	
2	3	4	1									s	-	
4	5	3	1	2	6					s	-	-	-	
1	6	5	3	4	2					s	-	-	-	-
3	1	6	5									s	-	
5	3	1	6									s	-	
6	1	3	5									s	-	
5	6	1	3									s	-	
3	2	6	1	5	4					s	-	-	-	-
6	5	2	1	3	4					s	-	-	-	
2	3	5	1	6	4					s	-	-	-	
5	6	3	1	2	4					s	-	-	-	
2	3	6	1	5	4					-	-	-	-	
6	5	3	1	2	4					s	-	-	-	
3	2	5	1	6	4					s	-	-	-	
1	3	2	5									s	-	
5	4	3	6	1	2					-	-	-	-	-
<hr/>														
6	5	4	3									s	-	
3	6	5	4									s	-	
4	3	6	5									s	-	
<hr/>														
5	2	3	1	4	6					-	-	-	-	-
2	3	1	5								A	-	-	
5	1	3	2								-	-	-	
4	3	1	2	5	6					-	-	-	-	
2	5	3	1	4	7	9	6	8			a	-	-	
1	2	5	3								s	-	-	
3	1	2	5								s	-	-	
5	2	1	3								-	-	-	
2	1	3	5								A	-	-	
5	3	1	4	2	7					s	-	-	-	
1	2	3	4	5	7					s	-	-	-	
2	3	4	1								A	-	-	
1	4	3	2								-	-	-	
2	1	4	3								s	-	-	
3	1	5	2	9	7	4	6	8		-			s	-
2	3	1	5								s	-	-	
5	1	3	2							s	-	-	-	
4	5	1	2	9	7	3	6	8		s	-	-	-	
2	4	5	1								s	-	-	
3	2	4	1	9	7	5	6	8		s	-	-	-	
2	4	1	3								A	-	-	
3	1	4	2								-	-	-	
1	4	2	3								A	-	-	
4	5	1	3	6	2	9	7	8			b	-	-	
3	2	5	4	6	1						s	-	-	-
4	1	5	2	6	3							s	-	-
2	4	1	5								s	-	-	
5	2	4	1								s	-	-	
1	4	2	5								-	-	-	
5	3	4	1	6	2						s	-	-	-
1	5	3	4								s	-	-	
<hr/>														
4	1	5	3	6	2	8	9	7		-		s	-	
3	5	1	4								-	s	-	-
4	3	5	1									s	-	-
1	4	3	5									s	-	-
5	2	3	4	6	1							s	-	-
2	3	4	5								A	-	-	
5	4	3	2								-	s	-	-
2	5	4	3	6	1	7	8	9		-		s	-	-
3	2	5	4									s	-	-
4	3	2	5									s	-	-
5	1	2	3	6	4							s	-	-
3	5	1	2									s	-	-
2	1	5	3									s	-	-
3	4	1	2	6	5							s	-	-
2	3	4	1	6	5	9	7	8		-		s	-	-
3	4	1	2								A	-	-	
4	2	3	5	6	1	7	9	8			C	-	-	
5	4	2	3	6	1	8	7	9		-		s	-	-
3	1	4	5	6	2							s	-	-
5	3	1	4									s	-	-
4	1	3	5									s	-	-
5	2	1	4	6	3							s	-	-
4	5	2	1									s	-	-
1	4	5	2									s	-	-
2	3	4	1	6	5							s	-	-
1	4	3	2									s	-	-
1	3	4	2									s	-	-

a = 2.3.9s.10 (11 sixes)

b = 1s.3s.8.10 (10 sixes)

c = 1s.3.10 (10 sixes)

14. 5013 Albert J Pitman

1 2 3 4 5 6 7 8 9 1 4 5 6 7

4 3 5 2 1 6 9 7 8 - - -
 6 5 3 4 2 1 a
 4 1 5 2 6 3 - - - -
 2 5 1 4 - -

6 3 5 1 2 4 - - - | A
 1 3 5 2 6 4 - 2 - -

4 1 2 3 6 5 3A

6 5 1 2 4 3 - - - | B
 2 3 5 4 6 1 - - - -
 4 5 3 2 - -

2 3 4 1 6 5 4A
 6 5 4 3 2 1 s -
 3 1 5 2 6 4 - - - -
 2 5 1 3 - -
 3 1 2 4 6 5 4A
 3 5 4 2 6 1 B
 2 4 3 1 6 5 4A
 1 3 4 2 6 5 7 9 8 s - -
 2 4 3 1 - -
 6 5 4 3 2 1 8 7 9 - - - -
 3 1 5 2 6 4 - - - -
 2 5 1 3 - -
 3 1 2 4 6 5 4A
 3 5 4 2 6 1 B
 2 4 3 1 6 5 4A

a = 4 5 8 9 . 10 . 12 . 14 (16 sixes omit last course)

15. 5184 John Pladdys

123456789 1 4 5 6 7

465213978 - - - S

135246798 S S S

265314978 S S - S

145326798 S S S

365214978 S S S S

145236798 S S S

265413978 S S - S

135426798 S S S

465312978 S S - S

125346798 S S S

365412978 S S S S

125436798 S S S

465213879 - S - S

125436789 A

463215978 - - - S

153246798 S S S

263514978 S S - S

143526798 S S S

564213978 S S - - S

134256798 S S S

264315978 S S - S

154326798 S S S

364512978 S S - S

124536798 S S S

562314978 S S - - S

142356798 S S S

1234 B

463215879 - S - S

153246789 S S S

263514879 S S - S

143526789 S S S

564213879 S S - - S

134256789 S S S

1423 B

362415879 S S - S

152436789 S S S

462513879 S S - S

132546789 S S S

563214879 S S S - S

143256789 S S S

132456798 C

1432 2B

132456789 C

1243 B

1234 D

16. 5063 John Carter

1234567890E 1 5 6 7 8

16235478E90 - s -
365214 - s

241635 - s -
154236 - -
235416 - - -
413526 - - -
521346 - - -
342156 - - -

A

265431 - -
214356 A
465123 - -
431256 A
165342 - -
123456 A
453162 a
125364 - - -
342561 - - -
514263 - - -
231465 - - -

613425 - -
351264 s - -
245163 - - -
134562 - - -
523461 - - -
412365 - - -

B

1432 2B
254361879E0 b
3154628709E - - -
421563 - - -
532164 - - -
143265 - - -
3241 3B

a = 1.2.3.4.5.6.9s.10.11.13.18 (18 sixes)
b = 2s.11s.12.13.17s.18s.19 (22 sixes)
Original version with 17:18 in (b) was false

18. 5003 Alexander E Holroyd

1 2 3 4 5 6 7 8 9 10 11 E

3 4 5 1 6 2 E 7 0 8 9

5 6 4 1 3 2

1 2 6 3 5 4

3 4 2 6 1 5

1 2 4 6 3 5

6 5 2 4 1 3

4 3 2 6 1 5

2 1 3 6 4 5

6 5 1 4 2 3

4 3 1 5 2 6

2 1 3 5 4 6

5 6 1 3 2 4

3 4 1 5 2 6

1 2 4 5 3 6

5 6 2 3 1 4

3 4 6 2 5 1

5 6 4 2 3 1

6 5 3 1 4 2

1 2 5 3 6 4 E 9 0 8 7

1 2 5 3 6 4 0 9 7 8 E

3 4 5 1 6 2 E 9 7 8 0

1 2 4 6 3 5

6 5 3 1 4 2

1 2 5 3 6 4 E 0 7 8 9

1 2 5 3 6 4 7 0 9 8 E

1 2 5 3 6 4 E 7 8 9 0

3 4 5 1 6 2 8 7 0 9 E

1 2 4 6 3 5

6 5 3 1 4 2

3 2 4 1 6 5

a

s

-

-

-

-

-

s

-

-

-

-

-

s

-

-

-

A

-

-

s

-

-

B

D

-

-

-

s

-

A

B

C

a = 1 4 5 6 7 9 10 11 12 s 16 (19 sizes)

19. 5016 Alexander E Holroyd

1 2 3 4 5 6 7 8 9 0 E

E 2 4 6 8 0 1 3 5 7 9

a

5 E 6 1 7 2 8 3 9 4 0

b

0 E 1 2 3 4 5 6 7 8 9

a

$a^1 = \text{part } 1, 2, 3, 4, 5, 9, 13, 15, 18, 19$ (24 sixes)

$b = 1, 3, 5, 7, 8, 10, 11, 12, 13, 14, 15, 18, 20, 21, 22$ (28 sixes)

20. 5082 Alexander E Holroyd

1234567890E 5 6

9045E617283 a

9405 s

30816579E24 b

680135 - -

E2134567890 a

E123 s

a¹ = part 1.3.4s.6s.10.11.12.14 (14 sixes)

b = 1.4.6s.9s.11.12.13.14.16 (16 sixes)

21. 5003 Robert C Kippin

1234567890E 1 2 5 6 7

21354609E87 a

53412679E80 s - -

123456 - - -

1324 s

425316 - - -

312546 - - -

3215 s

A

514236790E8 - - -

132546 A

5243167980E - - -

213546 A

5341267908E s - -

321546 A

51423679E08 - - -

132546 A

524316798E0 - - -

213546 A

B

21354709E86 b

213547698E0 B

a = 1s.2.5.7.11.16.17.18.22s (22 sixes)

b = 1s.2s.9s.10.12.13.14.15.16.17 (20 sixes)

22. 5009 Richard C Offen

1234567890E 6 7 8

36245178E90
216453 - s

4216 s -
6421 s -
1642 s -
2461 - -
1246 s -
6124 s -
4612 s -

231654 s -
6132 A
341256 - s
2143 A

315462 b
314265 B

3254618709E c
324165 B

a = s1.6.8.10.12.20.22 (22 sixes)
b = s2.s4.5.s7.s10.s12.15.16.17.s20 (20 sixes)
c = 2.s6.8.s11.s13.s17.s19 (22 sixes)

23. 5016 Joseph W Parker

1	2	3	4	5	6	7	8	9	0	E	1	5	6	7	8
3	6	2	1	5	4	7	8	E	9	0	-	-	-	-	-
1	4	2	3	5	6									-	-
3	2	4	1										-	-	
5	4	2	1	3	6							-	-		
2	6	4	5	3	1								-		-
5	4	3	6	2	1							-		-	
6	3	2	4	5	1							-		-	
2	1	3	6	5	4								-		-
3	4	1	2	5	6								-		-
2	4	1	5	3	6							-	2	-	
3	1	4	5	2	6							-	-		
4	6	1	3	2	5								-		-
2	5	1	3	4	6								A		
1	6	5	2	4	3								-		-
4	3	5	2	1	6								A		
4	6	3	5	1	2								S		-
1	2	3	5	4	6								A		
3	6	2	1	4	5								-		-
4	5	2	1	3	6								A		
2	6	5	4	3	1								-		-
3	1	5	4	2	6								A		
5	6	1	3	2	4								-		-
2	4	1	3	5	6								A		
1	6	4	2	5	3								-		-
5	3	4	2	1	6								A		
5	6	3	4	1	2								S		-
4	3	1	6	5	2							-		-	
6	1	5	3	4	2							-		-	
5	2	1	6	4	3								-		-
1	3	2	5	4	6								-		-
4	2	3	5	1	6							-	-		
5	3	2	4	1	6	7	8	0	E	9	-		-	-	
1	2	3	4	5	6	7	8	9	0	E	-	-	-		

24. 5009 Charles H P Pipe-Wolferstan

1234567890E 1 5 6 7 8 10

43251678E90 - - s -

5432 - - s -

2543 - - s -

3452 - - - -

2345 - - s -

5234 - - s -

4523 - - s -

A

B

215346 - - s -

541326 - - s -

124356 - - s -

1342 - - - - B

45321978E60 - - s - s

31524679E80 - - s - -

541236 - - s -

134256 - - s -

1243 - - - - B

312456E9780 - - - - a

4312 - - s -

2134 - - - - -

1342 - - - - A

26381547E90 - - - - b

26341587 - - - - c

416325 - - - - -

321645 - - - - -

652134 - - s - - -

135264 - - - - -

3521 - - - - A

1253 - - - - -

3125 - - s - -

5312 - - s - -

241365 - - - - s -

3241 - - s - -

3142 - - - - B

251463 - - - - -

425163879E0 s - - - s -

2514 - - - - A

4152638709E - - - - -

1524 - - - - A

432561 - - - - s -

512364 - - - - s -

1235 - - - - A

5321 - - - - -

143562 - - s - -

524361 - - - - -

312465 - - - - -

4312 - - s - -

2431658790E s - - - s -

1243 - - - - s -

3241658709E s - - - s

a = 3s.4.5.6.7.8.9.10.11.15s.16 (20 sixes)

b = 1.3.11s.12 (13 sixes)

c = 8s.9.10.11.12.14.15.16 (20 sixes)

25. 5063 Charles H P Pipe-Wolferstan

1234567890E 1 5 6 7 8 10

43251678E90 - - s -

5432 s -
 2543 s -
 3452 - -

2345 s -
 5234 s -
 4523 s -

B

A

215346 s -

541326 s -

124356 s -

1342 B

45321978E60 s - s

31524679E80 s - -

541236 s -

134256 s -

1243 B

124356E9780 a

1342 B

26381547E90 b

26341587 c

416325 - - -

321645 - - -

652134 s - - -

135264 - - -

3521 A

1253 - -

3125 s -

5312 s -

241365 s -

3241 s -

3142 B

251463 - - -

425163879E0 s s -

2514 A

4152638709E - - -

1524 A

432561 s -

512364 s -

1235 A

5321 - -

143562 s - -

524361 - - -

312465 - - -

4312 s -

2431658790E s s -

1243 s -

3241658709E s s

a = 3s.4.5.6.7.8.9.12.13.14.15.16.17.18 (18 sixes)

b = 1.3.11s.12 (13 sixes)

c = 8s.9.10.11.12.14.15.16 (20 sixes)

26. 5195 Charles H P Pipe-Wolferstan

1234567890E 1 5 6 7 8 10

43251678E90 - - s -

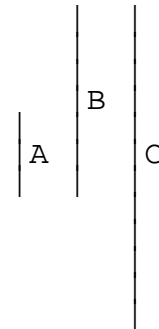
5432 s -
 2543 s -
 3452 - -

2345 s -
 5234 s -
 4523 s -

215346 s -
 541326 s -
 124356 s -
 1342 B

24315978E60 - - s
 12435679E80 s - -
 521436 C
 461235E9780 a
 251436 - -
 135426 s -
 523416 s -
 312456 s -
 1243 A
 36281547E90 b

31246587 C
 3421 B
 152463 s -
 432561 s -
 512364 s -
 5321 B
 153264879E0 s s -
 2153648709E - s s -
 3215 s -
 5321 s -
 1235 - -
 5123 s -
 3512 s -
 241563 s -
 5241638790E s s -
 134265 s -
 254361 s -
 3145628709E s s -
 524361 - -
 314265 s -
 2314 s -
 4132 - -
 2413 s -
 3241 s -



a = 3s.4.5.6.7.8.9.16s.17.23.24.25.26.27.28.29 (29 sixes)

b = 1.3.11s.12 (13 sixes)

c = 8s.9.10.11.12.15s.16 (20 sixes)

27. 5016 John Pladdys

1234567890E	1	5	6	7	8
46531278E90	-	-		S	S
125346789E0	S	S			S
36541278E90	S	S		S	S
125436789E0	S	S			S
46321578E90	S	-		-	S
153246789E0	S	S			S
26351478E90	S	S		-	S
143526789E0	S	S			S
56421378E90	S	S	-	-	S
134256789E0	S	S			S
26431578E90	S	S		-	S
154326789E0	S	S			S
36451278E90	S	S		-	S
124536789E0	S	S			S
56231478E90	S	S	-	-	S
142356789E0	S	S			S
36241578E90	S	S		-	S
152436789E0	S	S			S
46251378E90	S	S		-	S
132546789E0	S	S			S
56321478E90	S	S	S	-	S
143256789E0	S	S			S
1243			2A		
1234			B		
4632157809E	-	S		-	S
1234567890E			C		

28. 5017 Charles W Roberts

1	2	3	4	5	6	7	8	E	1	5	6	7	8
1	6	2	4	5	3	7	8	E90	-		-	2	-
2	3	6	1	5	4						-		-
6	4	3	2	5	1						-		-
2	1	3	6	5	4							-	-
2	4	1	6	5	3						-	2	-
1	3	4	2	5	6						-		-
2	6	3	5	1	4					-	-	-	-
3	4	6	5	2	1					-	-	2	-
6	1	4	3	2	5						-		-
3	4	2	1	6	5					-		-	-
5	2	4	1	6	3						A		
4	3	2	5	6	1						-		-
1	2	3	5	6	4						A		
5	4	3	1	6	2							-	-
1	3	4	5								-	-	
6	2	3	4	1	5					-	-		-
3	5	1	2	6	4					-			-
4	1	5	2	6	3						A		
2	3	5	4	6	1							-	-
2	1	3	4	6	5						-	2	-
4	1	3	2									s	
3	2	4	1								B		
3	2	4	1	6	9	E7058					a		
4	3	2	1	6	5	8709E					b		
2	1	4	3								B		

a = 2.10.11

b = 2s. 6. 10s

29. 5148 Keith W Scudamore

1	2	3	4	5	6	7	8	9	0	E	1	5	6	7	8
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	6	2	3	1	4	7	8	E	9	0	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3	2	1	6	5	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	1	2	6	3	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

6	2	3	1	5	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	4	2	3	6	5	S	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3	5	2	1	6	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	6	5	3	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3	6	2	5	1	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	2	1	6	3	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3	1	2	6	5	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

6	2	5	1	3	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	3	2	1	6	4	S	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	6	3	5	4	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	4	2	6	1	3	7	8	0	E	9	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	4	6	5	3	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

5	3	2	4	1	6	7	8	E	0	9	S	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Repeat
omit 7 8 7 8 in two parts for 5016

30. 5059 Alexander E Holroyd

1234567890ETA 6 7 8 9

123456A9T0E78
 562413A7T8E90
 432615
 213645

a
b
s -
s -

651423
 435162

- - - -
 - - - s

653142
 125364
 345162
 564132

- -
 - - s -
 - -
 s -

A

126354
 346251
 653241

- - - -
 - - s
 A

O

124536
 562314A7T0E89
 3426158790AET
 213645
 564132
 653241
 215463
 431526
 213546
 561324
 34152687A9TE0
 1245368709TEA
 213645
 564132
 653241
 214365

B
c
d
A
B
O
- - - -
- - - s
- - - -
- - s -
e
f
O
B
O
- -

- a = 1.4.5.6.7.8.9.11 (11 sixes)
- b = 6.7.9s.12.13
- c = 6.7.8.9.13
- d = 1.2.3s.8.9s
- e = 2.8.9.13s
- f = 2s.6s.7

31. 5033 Alexander E Holroyd

1234567890ETABC 7 8 9 10

4231567890ETCAB 1.9s

132546 S - -

2135467890CEBTA 2.8.15

561324 - - s -

341526 - -

124536 S - - A

562314 - - - -

342615 - s

124635 - -

652413 - - s -

432615 - -

213645 S - - C

651423 - - - -

435162 - - - s

653142 - -

653142C9B0A7T8E a

653142C7B8A9T0E 13.14

564231 B

213546 D

561324 - - s -

342615 A

124635C9B0A7T8E 7.8.13.14

124635C7B9AET08 13.15

6524138709CEBTA b

431526 A

2135468709CABET 7.8.15

2135468709CETAB 1.15

5613248709TEBAC 2.7.8.9s.10

564231 C

653142 B

324165 - s

a = 5.6.7.8.9.10.12 (13 sixes)

b = 1.2.3.4.7.8.9s.10