

*The indispensable, the indefatigable and the implacable Ward Stoffelen - the bulgin'
Belgian*

COMPUTER
SECTION
editor: John Roycroft



C Queen and Knight against Two Rooks - GBR class 1601 complete list of 905 reciprocal zugzwangs generated (probably in 2000) by Ken Thompson (USA)

This list was not available for the floppy disk distributed with EG138 in 2000. For the longest DTC win in 1601 see EG102.2 (1992).

In every position WTM draws, BTM loses. There are no 'full-point' zugzwangs. The ordering is by descending DTC or 'distance to conversion'. It is not known for certain whether there is independent confirmation of the list's accuracy and completeness.

Upper case W and B denote White and Black.

DTC

- 137 Wsc2qg8kd6/Brf5e4kf6
- 137 Wsg5qc5kb8/Brd7f4kd2
- 135 Wsa4qb6kb8/Brd5c2kf5
- 134 Wsa8qd5kc7/Brh6b4ke2
- 133 Wsa7qb5kb8/Bre6c2kf6
- 132 Wsd7qb7kb8/Bra6c6kd6
- 130 Wsb8qa3kc7/Brb6h6kc2
- 126 Wsb5qe3kb7/Brc2c1kf6
- 122 Wsd7qd5kb8/Bre6h6kc3
- 122 Wsd7qf4kb8/Bre6h6kc3
- 121 Wsa3qb5kb8/Brf4c3kf8
- 121 Wsd6qb4kb8/Brc3c1kh3
- 118 Wsc4qa4ka8/Bre2b1kg3
- 117 Wsa7qg3ka8/Brc5c2kh1
- 117 Wse1qg8kd8/Brf5h3kf6
- 117 Wsg6qf7kb7/Bre8e6kg5

- 116 Wsc4qa4ka8/Bre2b1kh5
- 116 Wsd6qe5ka8/Brc2c1kf3
- 115 Wsc5qc8ka8/Brb6h6kh2
- 115 Wsg4qg3kd5/Bre6e4kf5
- 115 Wsg6qh6kd5/Bre6e4kg4
- 115 Wsg7qg2kd8/Brh7a3kc3
- 114 Wsb3qd8ka8/Brf4h4kh1
- 114 Wsc2qd6kd8/Bre4f4kg3
- 114 Wsc5qa4ka8/Bre5b1kh5
- 114 Wsg6qg7kd5/Bre6e4kf5
- 113 Wsg6qf7kc7/Bre8e6kh6
- 113 Wsa3qh1kb8/Brd5e5kd8
- 113 Wsd6qb3kb8/Brc2c1kh2
- 113 Wsf2qf3kd7/Brb4c4kc2
- 112 Wsa7qe2kc8/Bra6d6kc1
- 112 Wsf2qe3kd7/Bra4c4kc2
- 112 Wsf6qc3ka8/Bre7f5kd6
- 111 Wsa8qe6kd6/Brb4d2kd4
- 111 Wsg6qf5kd7/Bre8e6kh6
- 111 Wsg6qg4kd7/Bre8e6kf6
- 111 Wsh8qb2kb7/Bre4e3ke6
- 111 Wse8qe7kb7/Brh6f4kf3
- 111 Wsf2qg3kd8/Brb4c4kc2
- 111 Wsg5qd4kc8/Bre7e3kg3
- 111 Wsb1qh7kc7/Brd3f3kg5
- 111 Wse4qe8kd6/Bra5c4kc2
- 110 Wsb1qg1kc6/Brf8f3kf5
- 110 Wsh5qd3kd8/Brb6f2ka5
- 110 Wsd7qh3kd8/Brc6d6kf2
- 110 Wsf6qg8ka8/Bre7d2kh1
- 110 Wsg6qh5kd7/Bre8e6kg7
- 109 Wsa3qc5kc6/Brd4f4ke6
- 109 Wsb1qa1kd6/Brf2h2kc2
- 109 Wsd2qd6kb8/Bra4f4kg5
- 109 Wsf8qa1ka8/Bre7e3kf5
- 109 Wsg5qb1kb8/Bre7e3kh2
- 108 Wse7qd8kd7/Bra7h7kb7
- 108 Wsf3qh7kd7/Brf5e4kf4
- 108 Wsg5qd5kb8/Bre7e3kf2
- 108 Wsh6qb8kd7/Brc4f1kc5
- 108 Wsa3qb4kb7/Bra5e5ke8

108	Wsa5qh6kc8/Brf7a4kf5	103	Wsa2qc1kc6/Bra3e3kg5
108	Wsc5qc8ka8/Brb6g6kg2	103	Wse2qc7kb7/Brd6f6kh2
108	Wsc8qc2kb8/Brf8f7ka3	103	Wse2qf2kd7/Bra4c4kb1
108	Wsd1qa1kd5/Brc7h1kd7	103	Wse8qc8kc6/Brb7d7ke7
108	Wse2qe6kd8/Brb5b4kb7	103	Wsf2qc6kc8/Brd5e5kd2
107	Wsa2qf2ka8/Brg7a1ke6	103	Wsf8qe1kd7/Brc6f6kh2
107	Wsc8qb8ka8/Bre6e5kg8	103	Wsg7qa8kc6/Bre5d3ke4
107	Wsc8qd3kb8/Brf8f7kb4	103	Wsg7qb7kd8/Brf6c5kc3
107	Wsg5qb4kc8/Bre7e3ke2	103	Wsg7qd1kd8/Bre5e4kf2
106	Wsb1qf1kd7/Brg3c2kg5	103	Wsc4qg1kc8/Bre7d5kf7
106	Wsb2qd2ka8/Brc7e4ke6	103	Wsc8qg2kb8/Brf3h3kh5
106	Wsc2qc6kc8/Brg7g4ke2	103	Wsd2qd6kd8/Brh7h4kf2
106	Wsc2qe7kd6/Bra4f4kh8	103	Wsd6qc6kc7/Brg7e6ke7
106	Wsd8qc8kb8/Brg7g6ke7	103	Wsa3qc7kc6/Brh6d4ke6
106	Wsg2qb1kd7/Brc4f3kc5	103	Wsa3qf2kc7/Bre5g4ke7
106	Wsh7qh8kc7/Brf5f3ke4	103	Wsa4qg1ka8/Brf7f3kf5
106	Wsh8qd3kb8/Brg7g5ke8	103	Wsa8qd5kd8/Brg7c4kb4
106	Wsa2qg7kc6/Bra3d3kh4	103	Wsb8qh2kd6/Brc3e3kf5
106	Wsa3qc7kc6/Brg6e4ke6	102	Wsb1qg4kc6/Brf5d3kf6
106	Wsa5qe4kd8/Brc7c2kg5	102	Wsg4qa4kc7/Brd6e2ke7
105	Wsa2qf3kb8/Brh7e4ke5	102	Wsg4qe4kb7/Brg7c5kf7
105	Wsa5qd8ka8/Brf6e4ke5	102	Wsg6qc6ka8/Brb2e2kg4
105	Wse5qd6kc7/Brb3h3ke4	102	Wsh2qd1kb7/Brf6g3kg5
105	Wsf4qc1kc7/Brb5b4kf7	102	Wse2qf2kd6/Brb4c4kb1
105	Wsg8qd8kb8/Brf7e6ke4	102	Wsf7qd3kc7/Bra6g6kh4
104	Wsa2qb3kd5/Brc4c2kf7	102	Wsf8qe3kd7/Brb6c6kg2
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104	Wsf1qc6kc8/Bre5d3kh5	102	Wsb1qg8ka8/Brb4e3kf3
104	Wsg3qg2kd6/Bre5e3kh4	102	Wsc1qb2kd6/Brf4e3kf3
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104	Wsh8qc7kd6/Brg4h3kg3	102	Wsc7qf5kd7/Brc6g6ke3
104	Wsb1qg7kc7/Brd3f3kh5	102	Wsd6qd8kb8/Bre7e6kh7
104	Wsb6qe5ka8/Brc6c1kh6	102	Wsd7qg2kd8/Brd4e4kc3
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090	Wsd8qd2ka8/Bre7f5kg7	085	Wsg4qc8kd6/Brg5e1kd2
090	Wse4qd4kd7/Brc6h6ka3	085	Wsh5qb5kd8/Bre7f3kf8
090	Wse8qa3kb8/Brc5b1kb6	085	Wsh6qb5kb8/Brc3d3kd6
090	Wsf4qb4kc7/Brd6h6ke3	084	Wsf4qh4kb7/Brd6e5kf3
090	Wsf4qh2kd8/Bra5e5kg4	084	Wsg3qg7kd6/Bre5e1kh4
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089	Wsg1qh6kc6/Brf7e1ke8	084	Wsa4qg7kc6/Bra5e5ke6
089	Wsg7qd1kd6/Bre5e3kh3	084	Wsa8qd5kd8/Bra7c3kf8
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088	Wse5qb5kb7/Brc3c1kg3	082	Wsa8qg1kb8/Brf7f3kf6
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087	Wsd2qe8kc8/Brf5g3kh2	081	Wsb8qc6kc7/Brd5d4kd1
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087	Wse7qh4kc6/Brd8d7ke8	080	Wsh3qf8kc7/Bra4g4kh7
087	Wsh2qc2kd6/Brg5e3kh8	080	Wsh7qh6kb7/Brf5f1ke7
087	Wsh8qg4kb7/Brf8f5kd5	080	Wsb5qb8kb7/Brd6d2kg7
086	Wsa5qh2kd6/Brc8c5kf3	080	Wsb8qd2kd8/Bra3c3kb3
086	Wsf3qb6kc8/Bre2c1kc2	080	Wsc1qf5kb7/Bra3e3ke7
086	Wsh5qg4kc6/Brf8b7ka8	080	Wsd5qc3kc7/Brf8f5kf2
086	Wsf2qf5kd7/Brc4h2ka4	080	Wsf8qf4kc7/Brd6d1ke7
085	Wsd5qf8kb7/Brd6e6kh7	080	Wsf8qh5kc7/Brd8d3kf6
085	Wsf3qb6kc7/Bre4c1kc2	079	Wsf8qh6kd8/Brf5f3kf7

079 Wsh7qa6ka8/Brf7f5kc7
079 Wsa8qh4kb8/Bre7d6kd8
079 Wsc4qb4kd7/Bre6g6kf3
079 Wsc6qg4ka8/Brf6f5kf7
079 Wse5qe4kb8/Brc7c5kf6
079 Wse5qe8kd8/Brg7f4kg1
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023	Wsg6qa4ka8/Bre6c5kc8	009	Wse6qg2kc8/Bra7f7kh6
022	Wsa3qh7kd7/Bra6c6ka7	009	Wse8qd8kb8/Bre7c6ke6
022	Wsa4qf8kd5/Brc7c6kd7	009	Wsf8qa5kb8/Brd6h6kc6
022	Wsd3qf3kd8/Bre6d4kd6	009	Wsh4qg3kd8/Brf7f6kf8
022	Wsd8qg4ka8/Brc7b6ke8	009	Wsa6qc6kc7/Bra5b5ka7
022	Wse8qc5kd8/Brg8g7ka6	009	Wsc6qc1kd6/Brh7a6ka8
022	Wsh2qh6kd5/Brg5f2kf5	008	Wsf8qd8kd6/Bre7e5kb7
022	Wsh8qb5kb8/Brd7e6kd8	008	Wsh8qb7kb8/Brf6f1kd8
020	Wse3qe7ka8/Brb6d6kc6	008	Wsd7qd3kc7/Bre7e6ke8
020	Wsf8qd6kd8/Brg8g7kb7	007	Wsc1qe1kc8/Brd3b1kd6
019	Wsd8qd5kb8/Bre8e7kb6	007	Wsd8qc8ka8/Brd7b6kd6
019	Wsb5qe8kd6/Brb7c4kb6	007	Wse7qe3kb8/Brc7c5kc4
018	Wsb6qd4kd8/Brg7b1kh8	007	Wse8qc6kd8/Brf8f5kf7
018	Wsf6qd4kd8/Brb7g6kf7	007	Wsg7qc7kc8/Bre5h5kf8
017	Wsd6qb6kb8/Brc7d7ke7	007	Wsg8qf8kd8/Brg7e6kg6
017	Wsd7qd4kd8/Brg7a6kh8	007	Wsa8qf4kc8/Brb5d5ka7
017	Wsd4qh8kd7/Bra6c4ka4	006	Wsh6qb4kb8/Bre7f6kf8
016	Wsb6qe3ka8/Brg7c6kc7	006	Wsh7qh3kb8/Bre8f7kd8
016	Wsd8qf5kc8/Brh8h7kh6	005	Wsb5qb7kd7/Brc8c6kc5
016	Wsf5qf4kc8/Brd7d5kg6	005	Wsb7qb3kb8/Brc7c1kc6
016	Wsc3qe3kc8/Brd6c4kc6	005	Wsb7qb8kc8/Bra7d5ka6
016	Wsd4qf8kb8/Brg6b1kb6	005	Wsb7qc5kc8/Bra7b2ka8
015	Wsd6qf4kd8/Brc7c6kc5	005	Wsd5qf4kc8/Bra7b7ke8
015	Wsf8qe8kc8/Brf7d6kf6	005	Wse6qg1kc8/Bra7b7kh3
015	Wsg4qc8kc7/Brh7g6kg7	005	Wse7qg7kc7/Brb6d6ke6
015	Wsc6qa6ka8/Brb7c7kd7	004	Wsc8qh5kb8/Brf7e6ke8
015	Wsd3qb3kd8/Brc6d4kd6	004	Wse6qe5kc8/Brf7h7kg4
014	Wsd8qc4kc8/Bre8e7ka5	004	Wsh1qd7kd8/Brf5g2kg4
014	Wsf5qb4kc8/Brd7d5ka6	004	Wsd6qb6kb8/Bra7c7kd7
013	Wsf6qb6kb7/Brd4h4ke7	003	Wsa3qb7kb8/Brc3c1kc5
013	Wsa4qe5ka8/Brd8b3kc8	003	Wsb7qb5kd6/Brb8c7kc8
013	Wse3qa8kd8/Brb7c5kb6	003	Wsb8qe6ka8/Brc8c7kd8
013	Wse8qf5ka8/Brb6h6kc6	003	Wsc8qg7kd8/Bra6c6ke6
012	Wsa4qe5ka8/Brc7c1kc6	003	Wsd6qd5kb8/Bra7c7kb4

002 Wsa4qg5kb7/Bra6c6kd6
002 Wsa5qg6kb8/Bra7c7kd7
002 Wsa7qa5kc6/Bra8b7kb8
002 Wsa8qd5kc7/Brb8a6ka7

002 Wsb4qh5kc7/Brb6d6ke6
002 Wsb5qf5ka8/Brb7d7ke7
002 Wsb5qh6kc8/Brb7d7ke7
002 Wsc8qf4kd8/Bra6c6ke6

SNIPPETS

1. The 46th WCCC is scheduled for 26vii-2viii2003 at the Ukraina Hotel in Moscow, where a reduced tariff will apply before and after the congress at which hundreds will attend from all parts of Russia and FSU. Full details (WCSC, Open Solving, FIDE PCCC sessions etc.) are promised for ii2003 on a web-site (URL not yet known) which will give the week's programme. The site will also set out what is required to obtain the official invitation that is a pre-requisite for applying for a visa. Don't be deterred by this! Be there! Non-participants will be welcome.
 2. No reaction has been received relating to the informal report (EG146 pp640-641) of the FIDE PCCC studies sub-committee on the sixth WCCT studies judgement. The Georgian team captain (Vazha Neidze) and judge (Velimir Kalandadze) had been invited to comment but nothing has been received as at 9xiii2002.
 3. We had hoped to publish, as special to EG, a 'local' (Russia-based) obituary of the late and great A.P.Kazantsev. Our privately initiated invitation has had no response.
 4. The 29th and 30th in the series 'Ausgerechnete Endspiele' run jointly by Gerd Wilhelm Hörning and Gerhard Josten in the capacious German monthly *Rochade Europa* appeared in xi2002 and xii2002. The column is always worth reading. As usual they deal with studies demolished or seriously suspect courtesy of the computer. Naturally there is no shortage of material -- particularly if research has not been done: an analytical flaw in an entry by A.F.Mackenzie for the *British Chess Magazine's* tourney of 1900 was actually spotted by solvers and reported by the judge, in 1901 -- a whole century ago; and the column devoted to T.R.Dawson (a sitting duck for unsoundness in his studies) overlooks the conscientiously researched *The Win and Draw Compositions of Thomas Rayner Dawson* published by Friedrich Chlubna in Vienna in 1997.
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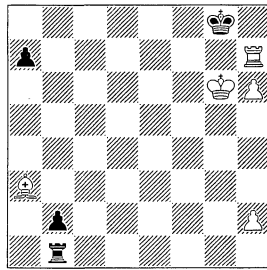
A (NEW?) MODEL TO CLASSIFY AND SOLVE STUDIES

by René Mayer, Madrid

In **El Cuadrado Mágico** (*The Enchanted Square*) I propose an illustrated model (for classifying and solving) combining three parameters.

1. Material situation: *white superiority, black superiority or equilibrium*
2. Stipulation: *White draws or White wins*
3. Positional evaluation: the position 'seems'
 - equal
 - better for White
 - better for Black.

M1 N.Kralin
Szachy 1973



g6g8 0410.22

5/4 Win

White material superiority. There is no clear path to victory, but White's task is to win. In this complex position the white material advantage seems to be balanced by the presence of the dangerous 'candidate' b2. It is still hard to find the crucial line, due to the powerful threat of 1...Rg1+. However, it does exist - it's just a matter of timing. In such a situation the critical question is: *what can White do to counter the black threat?* In the initial position Black's king is restricted and wPh6 may soon do damage.

1.Rg7+ Kh8
2.Rg8+

To illustrate the proper timing of moves, 2.h7? would be premature because of 2...Rg1+! and 2.Bc5? because of 2...Rg1+ 3.Bxg1 b1Q+, but not 2...Rd1? 3.Rb7!

2... Kxg8
3.h7+ Kh8

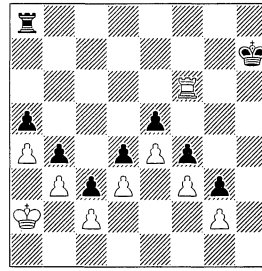
4.Kh6!

This seems to lose a tempo, but it protects the king from checks and sets up a zugzwang position in which bR is obliged to leave bPb2 unprotected.

4... a6
5.h3 a5
6.h4 a4
7.h5 Rg1
8.Bxb2+ Rg7
9.Bxg7 mate.

Contemplating the position after White's 9th we can appreciate a magnificent study illustrating the importance of the time factor,

M2 J.Hašek
Československý Šach 1937



a2h7 0400.77

9/9 Draw

Material balance. White draws despite his seemingly lost (or very inferior) position. The material equilibrium seems irrelevant: weaknesses on his second rank are incurable, and wK resembles a Siberian exile from the Gulag rather than a 4½-point chessman able to work some damage on the board. No salvation is apparent, and yet White *does* draw - as Galileo might have said!

After

1.Kb1!

.... we think of the poet Machado's line,

Traveller, there is no path....

... as you walk you make your own.

The king takes a timid step towards the h-file corridor.

1... Kg7

We observe that there is a draw if 1...Rh8, by 2.Rf8!!

2.Rh6!!

A splendid obstruction sacrifice securing two precious tempi for the white king's pilgrimage. Had White instead played 2..Kc1? Black would ignore the rook and win by means of direct penetration: 2...Rh8! 3.Kd1 Rh2.

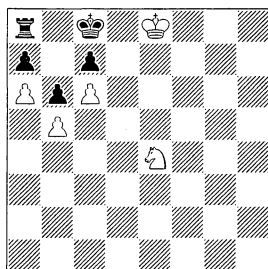
2... Kxh6

3.Kc1 Kg6
 4.Kd1 Rh8
 5.Ke1 Rh1+
 6.Ke2.

The white monarch has reached his goal or Grail, the 'old people's home' on e2, where he will live long. Due to the lurking stalemate the black rook has no time to carry out the planned destruction of the white fortress. We may note the supporting line: 6...Rh2 7.Kf1 Kg5 8.Kg1 Rxc2+ 9.Kxc2 Kh4 10.Kg1.

Black material superiority. Forcing the position seems unlikely, and White has to win.

M3 B.Horwitz, 1872



e8c8 0301.33

5/5 Win

The type is unusual: Black's overall mobility is restricted and White can progress as he pleases. The *TTC* solution steps *What is White threatening?* and *What is Black's best reply?* are central. In the initial position White's victory seems remote, though Black may need to defend well if he doesn't want to lose. For example, after 1.Ke7, 1...Kb8?? would be disastrous: 2.Sd6 cxd6 3.Kd7. As a challenge to the solver the solution requires a series of subtle manoeuvres featuring precise timing - at the end.

1.Ke7 Rb8

2.Sg5!

In total freedom White's knight improves his post. The sacrifice 2.Sd6+? leads nowhere.

2... Ra8

3.Sf7 Rb8

Black avoids the familiar zugzwang which arises after 3...Kb8? 4.Sd6.

4.Kf8!

An excellent triangulation that wins White a tempo now that the knight controls the d8 'exit'. There is no progress after 4.Ke8 Ra8 5.Sh6 Rb8 6.Sf5 Ra8.

4... Ra8

5.Ke8!

The white king returns to the scene to secure mobility to his faithful steed. In the meantime, the restless black prisoners ponder the significance of the old saw 'time is money'.

5... Rb8

6.Sh6!

The prancing knight will reach f5, the target square, just at the right moment.

6... Ra8

No comment! The prisoners have done with philosophy and wish they had a television set to lighten the tedious pacing up and down in their 3-square cell.

7.Sf5

Creating an effective zugzwang. Black must choose between 7...Rb8 8.Se7 mate, and a quick loss after:

7... Kb8

8.Sd6!

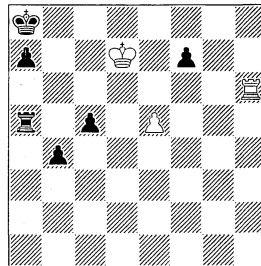
The impenetrable has been penetrated. We are reminded of the sad lesson in La Fontaine's fable *Death and the Woodcutter* -

To suffer rather than to die

That is what most men live by'

Black material superiority. Seemingly lost, White must win. This type of ending, the most dramatic of those considered so far, is the rarest in the world of composition. We call them 'hypercritical' since the omission of a single move brings instant defeat.

M4 A.Herbstman
Shakhmaty v SSSR 1947



d7a8 0400.14 3/6 Win

How can White win in such a delicate position, with three pawns fewer than his opponent and no obvious threat? For instance, the obvious try 1.Kc7? doesn't win after 1...a6 2.Kb6 Rb5+ 3.Ka6 Rb8 4.Rh7 Re8 5.Rf7 Re6+ 6.Kb5 Re5. Here is the original and unexpected solution.

1.e6!

A sacrifice to block the sixth rank, so that White can play Kc6 later on without losing his rook, but also opening the seventh rank.

1... fxe6

Forced, since 1...Ra6? fails to forestall promotion: 2.exf7! Rxh6 3.f8Q+.

2.Kc6 a6

Again forced again. The move 2...Ra6+? is seen to be pointless after the reply 3.Kc7.

3.Rh8+ Ka7

4.Rh7+ Ka8

Thanks to the checks the white rook has moved from h6 to h7 without loss of time. If Black plays 4...Kb8 now, his rook won't be able to occupy this square later on....

5.Kb6 Rb5+

6.Kxa6 Rb8

7.Ra7 mate.

The miracle has come to pass again: do you still believe you can't win a rook endgame when you are three pawns down?

Reviews

Shakhmatnaya literatura Rossii, by N.I.Sakharov. Moscow, 2001. In Russian. 320 pages. ISBN 5-85009-551-9.

Chess Columns - A List, by Ken Whyld. Olomouc, 2002. 588 pages. ISBN 80-7189-431-1.

Both titles are essential for serious scholars. Neither carries illustrations. The Russian one is a major expansion (with many corrections and additions, now including authors previously censored) of the author's renowned 1968 work (which has 1108 entries on 208 pages), brought up to 1997. The three sections -- Imperial Russia, Soviet times, and post-USSR collapse -- or capitalism, communism and chaos -- have to take account of a welter of political, geographical and ideological meltdown: this they achieve by compromise. For sections one and two the original thorough and systematic classifications are maintained, but for section three there is no attempt to classify the six years 1992 to 1997, which are simply presented chronologically -- and with no claim to completeness. Reviewers are frequently named. The indexes are excellent. (One wonders whether every reference to A.Kazantsev is to the same person.) There are now 2494 entries. Sadly, the author died in 1999.

With the English title Ken Whyld has done for the chess column what Harold van der Heijden has done for the study, namely to bring, with the aid of the computer, a semblance of order to a domain that is inherently without order. About 4,500 chess columns are listed, followed by indexes of editors and towns. With rare exceptions Whyld's pages ignore column content, as they must, but pay due attention to his sources.

The introductions to the pair contrast in every way, but finally hold equal fascination.

Endgame Challenge, by John Nunn, 2002. 256 pages. ISBN 1 901983 83 8.

To have a practising otb IGM devote a solid year and more to the preparation of a major work exclusively on the endgame study is not an everyday occurrence. It is unique -- and an occasion to celebrate.

So what do we find? 250 studies winnowed from the 50,000 on the commercially available van der Heijden CD (without which *Endgame Challenge* could hardly have been begun), presented here with copious expository analysis underpinned by the computer and supplemented by additional diagrams.

The IGM has selected what he saw as the 'greatest' of all time (up to 1997), irrespective of date of publication, of the composer's name or reputation, or of the number by that composer already selected. We note that Ryabinin is not represented.

The six-per-page diagrams -- intended for solving -- are naked apart from stipulation and pointer to the solution page. The aim in orphaning the 'distraction' of a source to the solutions pages seems to be to hook the reader's attention as only a diagram can. Player-readers will scarcely notice this separation, but a sensitive study devotee will feel that a duty closely to link a study diagram with whoever's blood, toil, sweat and tears went into its making, has been disregarded. Acknowledgement of rich creativity is replaced in our view by, well, exclamations.

The index is good and the source detail accurate -- far more accurate than is the habit when oth players cite studies. (Paul Valois in his review in *The Problemist* adds i-dot precision to the 'A.Kuznetsov' authorship of 146 and 222: Alexander P. for the former and Anatoly G. for the latter.)

40 pages for diagrams and 200 for the solutions promise a richness of content and comment that will disappoint no one. If we yearn for more it is not for more analysis, but for clarity of selection criteria: *subtlety* and *difficulty* prevail at the expense of *charm*. As regards themes there are too many reciprocal zugzwangs for most tastes.

Endgame Challenge may not have lasting appeal to the average club chessplayer, but we can enthusiastically recommend it to the reader of **EG** -- and to any reader's friend.

[English titles with a more 'fun' content, and a study or two: Robert Timmer's *Startling Castling!* (1997, from the Dutch); Paul Motwani's *H.O.T. Chess* (1996, 2001) and *Chess Under the Microscope* (1998).]

Masterpieces of Chess Composition - 5 V.&M.Platovs. Moscow 2002. ISBN 5-94693-010-9.

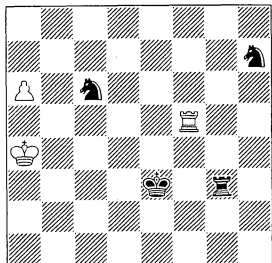
Masterpieces of Chess Composition - 6 R.Réti & J.Fritz. Moscow 2002. ISBN 5-94693-012-5.

Yakov Vladimirov continues his series of handy 50-page small format (A6) booklets of 100 compositions, this time covering four composers of studies. There are four diagrams, sourced as to magazine and year, to a page, figurine solutions with the occasional variation, a photograph, and brief biographical matter in four languages. There is no commentary but an assortment of Informator-like symbols is explained. For Réti 20 studies have been selected, for Fritz - 80.

Schach 1997-98 *H*

Hans Gruber (Germany) judged this bi-annual tournament. 46 studies competed, and 16 were found to be incorrect or anticipated. The judge was pleased about the general level, although there were few first class studies. Boris Tummes assisted in correctness testing. The award was published in Schach 6/2001, but details (cooks) could only be found on the internet (www.schach-udo.de).

No 13453 Jürgen Fleck
prize Schach, 1997-98



a4e3 0406.10 3/4 Draw

No 13453 Jürgen Fleck (Germany) 1.a7/i Rg1/ii 2.a8Q/iii Ra1+ 3.Kb5 Sd4+ 4.Kc4 Rxa8 5.Re5+ Kf4 6.Re7 Ra4+ 7.Kd3 Sf6 8.Re4+ Sxe4 stalemate.
i) 1.Rc5? Rg6 2.Rxc6 Rxc6 3.Kb5 Rc8 4.Kb6 Sf6 5.Kb7 Rh8 6.a7 Rh7+ 7.Ka6 Sd5; 1.Rf7? Sg5

2.Rc7/iv Rg4+ 3.Ka3/v Sd4 4.Rb7 Sge6 5.a7 Sc7, or here 4.Rg7 Kd2 5.a7 Sc2+.

ii) Sxa7 2.Rf7; Rg8 2.Rf7 Sg5 3.Rg7

iii) 2.Kb3? Ra1; 2.Rf7? Sg5.

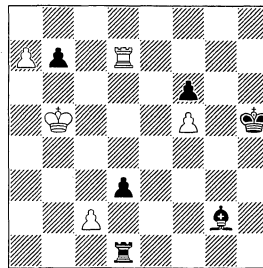
iv) Other moves (2.a7, 2.Rg7, 2.Rf6) all fail to 2...Rg1.

v) 3.Kb5 Sd4+ 4.Kb6 Se4 5.a7 Rg6+ 6.Ka5 Rg8.

After A.Sadikov, 4th prize 64 1970, d8c4 0406.10 e3a6a1g8.h6 3/4=: 1.h7 Sf6 2.h8Q Ra8+ 3.Ke7 Sd5+ 4.Kd6 Rxh8 5.Re4+ Kd3 6.Ra4 Rd8+ 7.Ke5 Sb3 8.Rd4+ Sxd4 stalemate. But 1...Ra8+ 2.Kc7 Ra7+ W.Veitch EG 30.

"A very beautiful and surprising stalemate on the middle of the board, resulting from dynamic play in which all pieces participated. Because of the deep try this study excels from many other stalemate studies. Therefore I see no objection to give a prize for an 'after X'-study, also because the original study was incorrect".

No 13454 Igor Jarmonov
1st HM Schach, 1997-98



b5h5 0430.33 5/6 Draw

No 13454 Igor Jarmonov. 1.Rh7+/i Kg4 2.Rg7+ Kh3 3.Rh7+/ii Kg3 4.Rg7+ Kf(h)2 5.Rxg2+ Kxg2 6.a8Q Rb1+/iii 7.Kc5 d2 8.Qa2, and:

- d1Q 9.c4+ Kf1 10.Qf2+ Kxf2 stalemate, or

- b6+ 9.Kc4, and now:

- d1Q 10.c3+ Kf1

11.Qf2+ Kxf2 stalemate, or

- b5+ 10.Kc3 d1Q

11.Qg8+ Kf1 12.Qg2+ Ke1

13.Qf2+ Kxf2 stalemate.

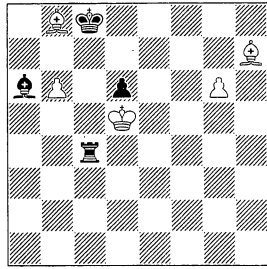
i) 1.a8Q? Rb1+ and 2.Kc5(4) b6(5)+.

ii) 3.Rxg2? Ra1 4.Rd2 dxc2 5.Rxc2 Rxa7, or 4.Rg1 Rxg1 5.a8Q d2 6.Qa3+ Kg2 wins.

iii) dxc2, d2 7.Qa2.

"A funny echo-stalemate study based on different moves of a black pawn that are already thematic in the try".

No 13455 Gamlet Amiryan
2nd HM Schach, 1997-98

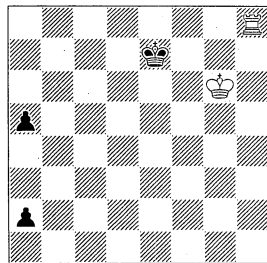


d5c8 0350.21 5/4 Win

No 13455 Gamlet Amiryan (Armenia) 1.g7/i Rc5+ 2.Kxd6 Rg5 3.Bc7 Rxc7 4.Bf5+ Kb7 5.Be4+ Kc8 6.b7+ Bxb7 7.Bf5+ Rd7+ 8.Bxd7+ mate.
i) 1.Bc7? Rg4 2.g7 Rxc7 3.Bf5+ Kb7 4.Kxd6 Bb5 5.Be4+ Ka6 6.b7 Rg8; 1.Bxd6? Kb7 2.g7 Rg4 3.Bc7 Rxc7.

"In a remarkable way, also here all pieces play, Black is forced to a block, that is used by the ideal mate".

No 13456 Jürgen Fleck
3rd HM Schach, 1997-98



g6e7 0100.02 2/3 Win

No 13456 Jürgen Fleck (Germany) 1.Rh1 Kd6 2.Rc1/i a4 3.Kf7/ii, and:

- a3/iii 4.Ke8 Kd5 5.Kd7 Kd4 6.Kc6 Kd3 7.Kb5 Kd2 8.Rh1/iv Kc3 9.Ka4 Kb2 10.Rh2+ Kb1 11.Kb3 wins/v.

- Kd5 4.Ke7 Kd4 5.Kd6 Kd3 6.Kc5 Kd2 7.Ra1 (Rh1?; Kc3) Kc3 8.Rxa2 Kb3 9.Rh2 a3 10.Rh3+ Kb2 11.Kb4 a2 12.Rh2+ Kb1 13.Kb3

a1S+ 12.Kc3/v wins.

i) 2.Ra1? Kc5; 2.Kf5? Kc5.

ii) 3.Kf5? Kd5, and finally Kd2; 3.Kf6? a3.

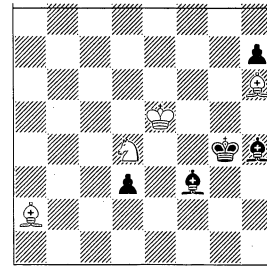
iii) Kd7 4.Kf8 a3(Kd8) 5.Ra1.

iv) Or 8.Rf(g)1, but not 8.Ra1? Kc3.

v) Originally the solution continued with 11...a1S+ 12.Kc3, but Boris Tummes pointed out that also 12.Kxa3 wins.

"A discovery that could become one of the classics of endgame theory, when it really turns out to be original".

No 13457 Leonid Topko
1st comm Schach, 1997-98



e5g4 0081.02 4/5 Win

No 13457 Leonid Topko (Ukraine) 1.Be6+ Kg3/i 2.Sf5+ Kh3 3.Sxh4+ Kxh4 4.Kf4 Kh5/ii 5.Bg5/iii Kg6 6.Bf5+ Kh5 7.Bd7 Be4 8.Be7, and:

- Bg6 9.Bg4+ Kh6 10.Bf8 mate.

- B- 9.Be8+ Kh6 10.Bf8 mate.

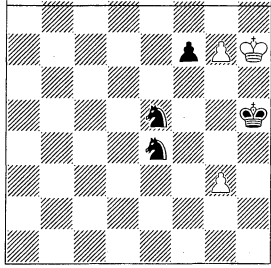
i) Kh5 2.Sxf3 Bg3+ 3.Bf4.

ii) Bh5 5.Bg5+; B- 5.Bg5+ Kh5 6.Bf7+.

iii) Threatens 6.Bf7.

"A nice demonstration of the mate potential of two Bishops that keep bK in their power along the whole h-file".

No 13458 Yochanan Afek
2nd comm Schach, 1997-98



h7h5 0006.21 3/4 Draw

No 13458 Yochanan Afek
(Israel) 1.g4+/i Kh4/ii 2.g5
Sxg5+ 3.Kh8 Sg6+ 4.Kg8
Se5(f4) 5.Kh8 (Kf8?;
Se6+) Sg6+ 6.Kg8 f5(6)/iii
stalemate.

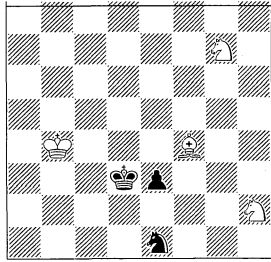
i) 1.g8S? Sxg3 wins.

ii) Sxg4 2.g8Q Se(g)f6+
3.Kg7 Sxg8 4.Kxf7 draws.

iii) or K- stalemate.

"Short, pointed and precise:
stubbornly the pawn
sacrifices itself."

No 13459 Emil Melnichenko
3rd comm Schach, 1997-98



b4d3 0015.01 4/3 Win

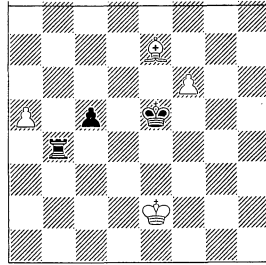
No 13459 Emil
Melnichenko (New
Zealand) 1.Kb3 e2 2.Bg3
Kd2 3.Sf5 Sg2 4.Sf3+ Kd1
5.Se1 Sxe1 6.Se3+ Kd2
7.Sc4+ Kc1/i 8.Bf4+
Kd1/ii 9.Sb2 mate.

i) Kd1 8.Sb2+ Kd2 9.Bf4
mate.

ii) or Kb1 9.Sa3+ Ka1
10.Be5 mate.

"Nice S-sacrifice, forcing a
block that allows a mate".

No 13460 Martin Minski
4th comm Schach, 1997-98



e2e5 0310.21 4/3 Win

No 13460 Martin Minski.
1.f7/i, and:

- Rf4/ii 2.a6 Rxf7 3.a7
Rxe7 4.a8Q wins/iii.

- Re4+ 2.Kd3 Rf4 3.f8Q/iv
Rxf8 4.Bxf8 Kd5 5.a6 Kc6
6.Bxc5 Kc7 7.Ba7 Kc6
8.Kc4 wins.

i) 1.a6? Ke6; 1.Bxc5? Rb7
2.a6 Rd7 3.Be7 Ke6.

ii) Rb8 2.a6 Kd5 3.a7.

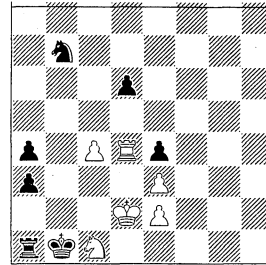
iii) A theoretical win, e.g.
Kd4+ 5.Kd2 Re4 6.Qd8+
Ke5 7.Kc3 Ke6 8.Qc8+
Kd6 9.Qf8+ Kd5 10.Qf3
Ke5 11.Qg2 Rf4 12.Qg7+

Ke6 13.Qg8+ Ke5 14.Qe8+
Kd5 15.Qd7+ Ke5
16.Qc7+.

iv) 3.a6? Rxf7 4.a7 Rf3+.

"Admirable connection of
two very different winning
lines".

No 13461 Martin Minski
5th comm Schach, 1997-98



d2b1 0404.34 6/7 Draw

No 13461 Martin Minski.

1.Rd5/i Sc5 2.Rxc5 dxc5
3.Kc3 a2/ii 4.Sb3 axb3/iii

5.Kd2, and:

- Kb2 stalemate.

- b2 6.Kd1 stalemate.

i) 1.c5? Sxc5 2.Rb4+ Sb3+
3.Sxb3 axb3 4.Rxb3+ Ka2
5.Rb6 Rb1 6.Rxd6 Rb2+
7.Kc3 Rxe2 8.Rd4 Rxe3+
9.Kc2 Re1 10.Kd2 Rb1
11.Rxe4 Kb3 12.Re3+ Kb2
wins.

ii) Kxc1 stalemate, Ra2
4.Sxa2 Kxa2 5.Kc2 draws.

iii) a3 5.Sxa1 Kxa1 6.Kb3,
or Kc1 6.Kc2 stalemate.

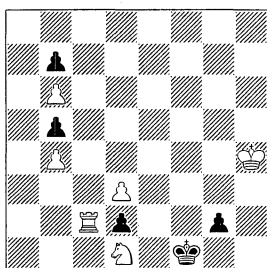
"Both Black and White are
stalemated twice. This
theme apparently demands
a relative static structure".

Bulletin Problemistic
1996-97 *H*

FIDE-judge Nicolae Micu (Romania) judged this informal tourney. The provisional award was published in Buletin Problemistic no. 72 (vi-xiii 1999), and had as an ex equo first prize winner a study by Dobrescu (EG#10506) that by mistake was reproduced in BP independent of the author. This was corrected in the final award (BP no. 73).

Emilian Dobrescu kindly provided an English translation from the Romanian text.

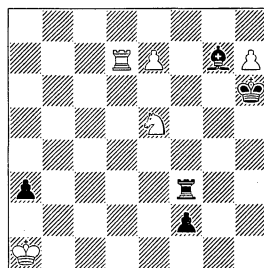
No 13462 Sergei Tkachenko
 1st prize BP 1996-97



h4f1 0101.34 6/5 Win
No 13462 Sergei Tkachenko (Ukrain)
 1.Se3+ Ke2 2.Sxg2 Kf3
 3.Se3/i Kxe3 4.Rxd2 Kxd2
 5.d4 Kd3 6.d5 Kd4 7.d6
 Kd5 8.d7 Kc6 9.d8R/ii
 wins.

i) 3.Rxd2? stalemate.
 ii) 9.d8Q? stalemate.
 "This study is a good illustration of the theme of the 5th WCCT. White must avoid twice stalemate traps by Black. A good study, containing active black counterplay. The second avoidance of stalemate is achieved by a underpromotion. But the position of this stalemate is obtained somewhat artificially, as a result of unnatural configuration of those four passive pawns on the b-file".

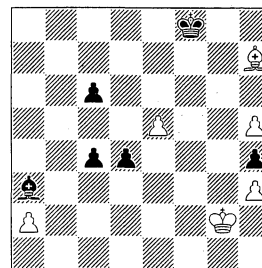
No 13463 Viktor Kolpakov
 1st hon mention BP 1996-97



a1h6 0431.22 5/5 Win
No 13463 Viktor Kolpakov (Russia)
 1.Rd1 f1Q 2.Rxf1 Rxf1+ 3.Ka2 Rf2+ 4.Kxa3 Rf8!
 5.h8Q+ Rxh8 6.Sf7+ Kh7 7.Sxh8 Bf8 8.exf8R/i
 wins.
 i) avoiding 8.exf8Q? stalemate.
 "Another study in which White wins by avoiding stalemate through a Rook-

promotion. Unfortunately the introductory is less refined".

No 13464 C.Zarnescu & Mihai Olariu (Romania)
 2nd hon mention BP 1996-97

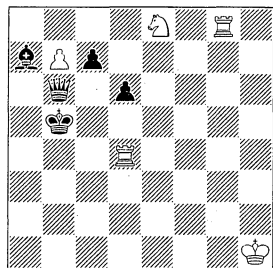


g2f8 0040.44 6/6 Win
No 13464 C.Zarnescu and Mihai Olariu (Romania)
 1.Bb1 Kf7 2.Kf3 with:
 -d3 3.Ke4 Kg7 4.Kf5 Kh6
 5.e6 Kxh5 6.Kf6 Bb2+
 7.Kf7 Ba3 8.e7 Bxe7
 9.Kxe7 Kg5 10.Kd6 Kf4
 11.Kc5, wins.
 -Ke6 3.Ke4 with:
 -d3 4.h6 Bb2 5.a4 Bxe5
 6.a5, wins
 -Bf8 4.a4 Bg7 5.a5
 Bxe5 6.h6 (a6?; Bb8), wins
 -Bc1 4.a4 Bd2 5.Ba2,
 wins.

"A preponderantly analytical study. The understanding of the subtleties of this study is difficult, needing many tries. The main lines implies a lot of laborious, and sometimes tedious, analyses. The distinction is awarded as a recognition of

the author's effort in the realisation, analysis and their ability to disentangle all these traps and variants".

No 13465 Evgeny Fomichev
1st comm BP 1996-97

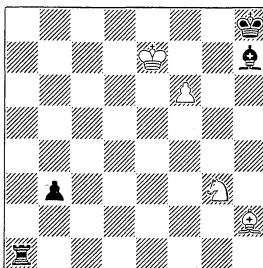


h1b5 3231.12 5/5 Draw

No 13465 Evgeny Fomichev (Russia)
1.Sxc7+ Qxc7 2.b8Q+ Bxb8 3.Rg5+ Ka6 4.Rxd6+, and Qxd6 5.Rg6 Qxg6 stalemate, or Kb7 5.Rd7 Qxd7 6.Rg7 Qxg7 stalemate.

"After a brutal introduction the solution continues with two stalemates. Practically the same stalemate is created twice."

No 13466 Leonid Topko
2nd comm BP 1996-97



e7h8 0341.11 4/4 Draw

No 13466 Leonid Topko (Ukrain)
1.f7 Ra7+ 2.Kf6 Rxf7+ 3.Kxf7 b2 4.Se4, with:

-Bg6+ 5.Kf8 b1Q 6.Be5+ Kh7 7.Sf6+ Kh8 (Kh6; Bf4 mate) 8.S any+ perpetual check.

-Bg8 5.Kg6 Bf7+ 6.Kh6/i b1Q 7.Be5+ Kg8 8.Sf6+, perpetual check.

i) also 6.Kxf7 b1Q 7.Be5+ Kh7 8.Sf6+ with perpetual check, which could be considered a serious dual, is given in the award.

"An interesting idea, but the study is not accurate. Work on it is still necessary"



Виталий Тьябловский

Vitaly Tjablovsky



Борис Сакхаров

Boris Sacharov



Николай Резвов

Nikolai Rezvov