1. Zoran Gavrilovski
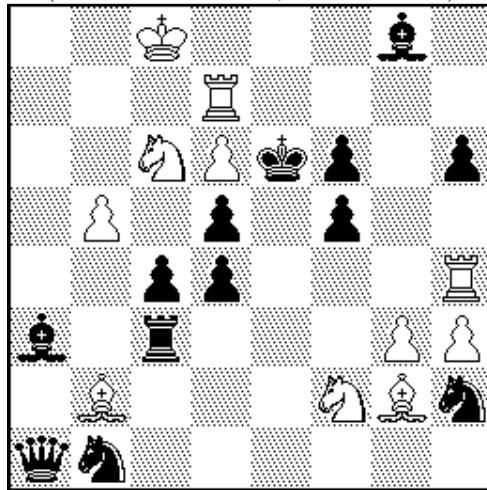
StrateGems 2021

(№ M1751 in issue 96, Oct.-Dec. 2021)

#4   11+13 (C+)

1...f4 2.Rh5 (3.S:d4#, Sd8#) f5 3.R:h6#

1...Sf1(Sg4) 2.S(:)g4 (3.S:d4#, Sd8#) f:g4 3.Rh5 (4.S:d4#, Sd8#)
3...f5 4.R:h6#

1.Rh5! (2.B:d5+ **A** K:d5 3.R:f5+ Ke6 4.S:d4# **B**)

1...Rf3 2.S:d4+ **B** Ke5 3.Sc6+ Ke6 4.Sd8# **C**

1...Bh7 2.Sd8+ **C** Ke6 3.Sf7+ Ke6 4.Re7# **D**

1...Bc5 2.Re7+ **D** K:d6 3.Rd7+ Ke6 4.B:d5# **A**

[1...Rd3 2.S:d3 (3.S:d4#, Sd8#, Sf4#) c:d3 3.S:d4+ Ke5 4.R:f5#]

A fourfold **cycle of** white 2nd and 4th **moves AB**/**BC**/**CD**/**DA** (according to the "Winchloe" database, it is only the second orthodox #4 with a conventional force showing a fourfold cycle of W2 and W4 moves), achieved with various strategic effects, including annihilation of pawns and white switchback in two variations.

The non-thematic set play shows that wRh4 is not out of play before playing the 1st move.

E-mail: zoran.gavrilovski@gmail.com

2. Zoran Gavrilovski
Pat a Mat 2021 (№ 1236 in issue 117, Sep. 2021)
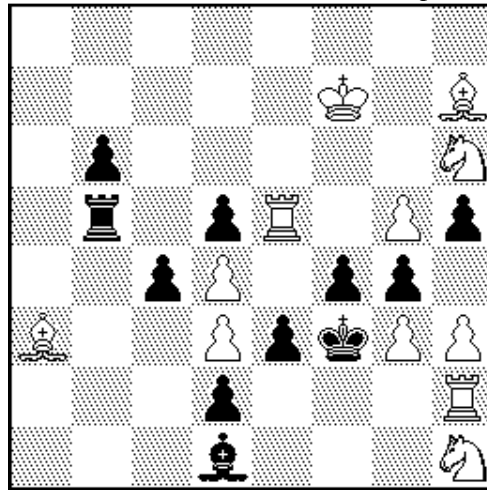
#4 * ᵛ ᵛ ᵛ ᵛ ᵛ ᵛ   12+11 (C+)

1...g:h3 **x** 2.Bg6 ~ 3.B:h5#
1...e2 **y** 2.Rf2#
1...f:g3 **z** 2.Rf5# **C**
1...c3 2.R:d5 **D** ~ 3.Be4#

1.Sf5? **A** (2.Sh4#), 1...g:h3! **x**

1.Rf5? **C** (2.R:f4#), 1...e2! **y**

1.Re4? (2.R:f4#), 1...f:g3! **z**

1.R:d5? **D** (2.Be4# **E**), 1...c:d3! **n**

1.Kf6? (2.Sf5 **A** (3.Sh4#) g:h3 **x** 3.Sh4+ Kg4 4.Bf5# **B**), 1...Rc5!
 1...h4 2.Bf5 **B** (3.B:g4#) f:g3 **z** 3.B:g4+ Kf4 4.Rf5# **C**

1.Bd6? (2.Re4 ~/e2 **y**/d:e4 3.R:f4#/Rf2#/B:e4# **E**), 1...Ra5!
 1...c:d3 **n** 2.Rf5 **C** (3.R:f4#) e2 **y** 3.R:f4+ Ke3 4.Sf5# **A**

1.Be7! (2.Sf5 **A** (3.Sh4#) g:h3 **x**/f:g3 **z** 3.Sh4+ Kg4/Kf4 4.Bf5# **B**/Rf5# **C**)
 1...h4 2.Bf5 **B** (3.B:g4#) f:g3 **z** 3.B:g4+ Kf4 4.Rf5# **C**
 1...c:d3 **n** 2.Rf5 **C** (3.R:f4#) e2 **y** 3.R:f4+ Ke3 4.Sf5# **A**

  Cycle of W2 & W4 **moves** on the same square with quiet play (according to "Winchloe", it is the only orthodox cycle with quiet W2 moves on the same square and the 4ᵗʰ orthodox #4 with cyclic play on the same square) and Zilahi cycle of functions of Sh6/Bh7/Re5: sacrificial evacuation (Raumungsöpfer) from f5 at W3 move and mate on f5:
   - wS occupies f5 in the threat (2.Sf5 **A**) and, after sacrificial evacuation of wS from f5 (3.Sf5-h4+), wB gives a mate by arriving on f5 (4.Bf5# **B**);
   - wB occupies f5 after 1...h4 (2.Bf5 **B**) and, after sacrificial evacuation of wB from f5 (3.Bf5-:g4+), wR gives a mate by arriving on f5 (4.Rf5# **C**);
   - wR occupies f5 after 1...c:d3 (2.Rf5 **C**) and, after sacrificial evacuation of wR from f5 (3.Rf5-:f4+), wS gives a mate by arriving on f5 (4.Sf5# **A**).
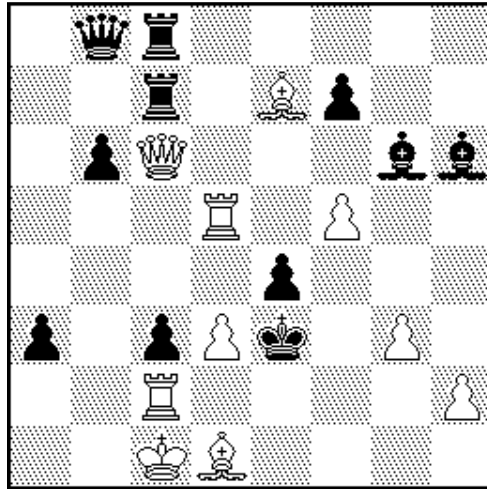 Exchanged 2ⁿᵈ and 4ᵗʰ moves: threat – 2.**A** ... 4.**C**#; after 1...c:d3 – 2.**C** ... 4.**A**#.
  The bK arrives on three squares that were vacated by bPs: threat – 2...g4-:h3 ... 3.Kg4; after 1...h4 – 2...f4-:g3 ... 3...Kf4; after 1...c:d3 – 2...e3-e2 ... 3...Ke3.
  Change of functions of 4 black moves (**x**, **y**, **z**, **n**) and 4 white moves (**A, C, D, E**) between the set play, tries and solution.

E-mail: zoran.gavrilovski@gmail.com

3. Zoran Gavrilovski
4th Pr. *9th FIDE World Cup* 2021

#4 ᵛ ⁽ᵛ⁾   10+11 (C+)

1.Bg4? (2.Re2#) e:d3! **x**

[*1.Qf6?* (2.Qd4#) Rc4!]

1.Bf6! (2.Re2+ Kf3+ 3.Rd2+ Ke3 4.Bd4# **A**)
 1...e:d3 **x** 2.Re5+ Kd4+ 3.Re3+ K:e3 4.Qf3#
 1...Bh5 2.Bd4+ **A** K:d3+ 3.Be3+ K:e3 4.Q:h6#

Triple white battery creation at the W2 moves and three cross checks with black royal battery play.

Bicolour clearance of wQ's lines and reciprocal battery creation (a specific white Grimshaw with interferences on different squares) in two variations:
  - The wQ's line c6-f3 is cleared after 1...e:d3 and 2.Re5+ which sets up a R/B battery;
  - The wQ's line c6-h6 is cleared after 1...Bh5 and 2.Bd4+ which sets up a B/R battery.

Change of functions of the white move **A** and the black move **x**.
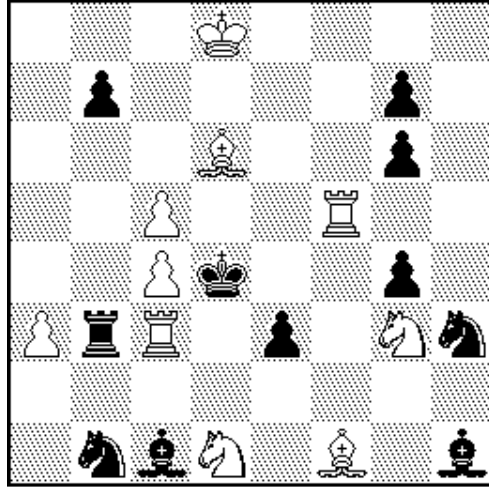
A thematic key masks the wQ's line on the 6th row.

All five white aristocratic pieces have roles in the thematic variations.

E-mail: zoran.gavrilovski@gmail.com

4. Zoran Gavrilovski
The Macedonian Problemist 2021
(№ 2526 in issue 66, September - December 2021)

#4 ᵛ ᵛ   10+11 (C+)

1.Bf8? **A** (2.B:g7#) g:f5! **m**

1.c6? (2.Bc5#)
 1...B:a3 2.Se2+ Ke4 3.Re5+ Kf3 **y** 4.Re:e3#
 1...g:f5 2.S:f5+ Ke4 3.Bd3+ Kf3 **y** 4.Sh4#
 1...b6! **n**

1.Kc7! (2.Be5+ K:c5 3.Bd6++ Kd4 **x** 4.Bc5#)
 1...Rb5 2.Rd3+ K:c4 3.Rc3++ Kd4 **x** 4.Rc4#
 1...B:a3 2.Se2+ Ke4 3.Re5+ Kf3 **y** 4.Re:e3#
 1...g:f5 **m** 2.S:f5+ Ke4 3.Bd3+ Kf3 **y** 4.Sh4#
 1...b6 **n** 2.Bf8 **A** (3.B:g7#) g:f5 3.Kd6 ~ [3...Rb6??] 4.B:g7#

Adabashev synthesis (a "Fourmover of the Future") with thematically connected play in two pairs of variations:
 - In the threat and the variation after 1...Rb5 there is: white battery creation on e5 or d3 at the W2 moves; annihilation of wPc5 or wPc4 at the B2 moves; battery switchback by wB or wR at the W3 moves; switchback by the bK to d4 at the B3 moves (1...**x**); and *Umnov* changed mates.
 - In the variations after 1...B:a3 and 1...g:f5 there is: play by wSg3 at the W2 move and subsequent white play on the same square (e5 or d3) at the W3 moves; play by the bK on f3 at the B3 moves (1...**y**); and changed mates.

Orthogonal-diagonal transformation of the play, and exchange of the types of pieces playing on e5 and d3:
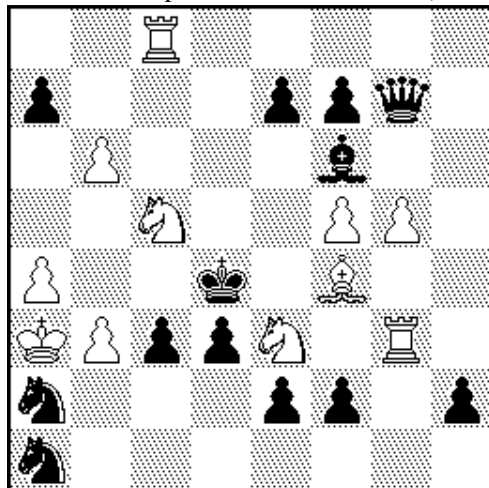 - 2.Be5+, 2.Rd3+ in the 1st pair of variations;
 - 3.Re5+, 3.Bd3+ in the 2nd pair of variations.

Changed functions of 3 moves between the tries *1.*A*?* **m**!, *1.c6?* **n**!, and the solution: **1.Kc7!**, 1...**m** 2.S:f5+, 1...**n** 2.**A**.

E-mail: zoran.gavrilovski@gmail.com

5. Zoran Gavrilovski

1st Pl. *"The Macedonian Problemist" League* 2020
(supplement to *The Macedonian Problemist*
no. 63, September–December 2020)

#4 ᵛ   11+13 (C+)

1.b:a7? (2.Se6+ Ke4/f:e6 3.a8Q(B)#/Rc4#), 1...d2! **x**

1.Bb8! (2.Se6+ Ke4 3.Rc4+ **A** Bd4 4.Sc5#)

 1...Sc2+ 2.S:c2+ Kd5 3.R:d3+ **B** Bd4 4.Se3#

 1...a:b6 2.Rd8+ K:c5 3.Rc8+ Kd4 4.Rc4# **A**

 1...d2 **x** 2.Rg4+ K:e3 3.Rg3+ Kd4 4.Rd3# **B**

 [1...S:b3 2.S:b3+ Ke4 3.Rc4+ Bd4 4.Sc5#]

  A "Fourmover of the Future" (Adabashev synthesis)
with two pairs of thematically connected variations:
  I) pinning W3 move by wR on c4 or d3, Klasinc
     theme (switchbacks of wS on c5 or e3 after wR
     has passed through this square); a pin mate;
  II) distant self-block by bPs at B1 move, annihilation
      of wSc5 or wSe3 by the bK at B2 move;
      switchback of wR to c8 or g3 at W3 move; and
      mate by the respective wR on c4 or d3.

  The two pairs are connected by means of:
  - 4 switchbacks of white pieces (of wSs to c5 or e3
    at W4 moves; of wRs to c8 or g3 at W3 moves) and
    of the bK (switchback to d4 from c5 or e3 at B3
    moves);
  - change of functions of the white moves **A** and **B**
    (W3 moves in the threat and after 1...Sc2+; W4
    moves after 1...a:b6/d2) and of the black move **x**;
  - 4 economical mates with use of all aristocratic pieces.

  E-mail: zoran.gavrilovski@gmail.com

6. Zoran Gavrilovski
The Problemist 2021
(№ 11901 in Vol. 28 No. 5, March 2021)
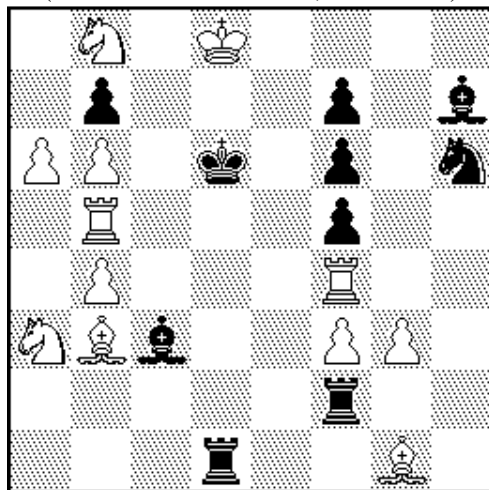
#4 ᵛ   12+10 (C+)

1.Rc5? (2.Sb5# **A**)
 1...b:a6 **y** 2.S:a6 (3.Sb5# **A**) Rd5 3.B:d5 ~/Ke5 4.Sc4# **B**
 1...B:b4! **x**

1.Ra5! (2.Sb5+ **A** Ke5+ 3.Sd4+ Kd6 4.Rd5#)
 1...B:b4 **x** 2.Sc4+ Ke6+ 3.Sd2+ Kd6 4.Rd4#
 1...Ra2 2.Bc5+ Ke5+ 3.Bd4++ Kd6 4.Sb5# **A**
 1...b:a6 **y** 2.Rc4 (3.Rc6#) Rd5 [2...Ke6+? 3.Rd4#]
 3.Rc6+ Ke5+ 4.R:d5#

Triple white battery creation at the W2 moves and subsequent cross-checks with black royal battery play:

 - 1...~ 2.Sb5+ Ke5+ 3.Sd4+ ...;
 - 1...B:b4 2.Sc4+ Ke6+ 3.Sd2+ ...;
 - 1...Ra2 2.Bc5+ Ke5+ 3.Bd4++ ....

The 4th battery creation 1...b:a6 2.Rc4 and short battery play [2...Ke6+? 3.Rd4#] is followed by check to the wK after 2...Rd5 3.Rc6+ Ke5+ in the solution.

A changed continuation after 1...b:a6 between the try *1.Rc5?* and the solution.

E-mail: zoran.gavrilovski@gmail.com