TWO BISHOPS AGAINST KNIGHT (continued from EG74) -by AJR. Ofer Comay (alias Komay or Komai in these and other pages) is a system programmer with the TelAviv University computer installation. He is also a champion solver and first class composer. Unknown to each other, Comay and Ken Thompson were working on the computer solution to the 0023 (GBR class) endgame at roughly the same time. Indeed, so much was their work simultaneous that a letter (dated 24. viii. 83 and his first) on this subject was on its way to AJR from Comay at the very time that AJR was in the air travelling to Israel for the 1983 FIDE Commission meeting. EG74 proofs were already with the printer and could not be altered. And that was when and where AJR met Ofer Comay for the first time. So, EG75 is where we do justice to the other researcher. (I understand that Comay could have published his computer results elsewhere, but has not done so).
Now, Comay's results do not tally exactly with Thompson's, but they do confirm that the bishops always win. Comay's maximum is 67, Thompson's is 66. AJR amends both by prefacing each WTM (White-toMove) series with a single Bl move, but this is unimportant. What is more important is that the positions of maximum solution length are quite different.

It is too early to summarise results. Here we merely present them. But it is important and valuable that two totally independent computer investi-
gations should agree $99 \%$. There can be no residual doubt that two bishops do always win against a single knight, and that for many solutions the play requires an extension to the famous, or infamous, 50 -move rule.


Ofer Comay's 12 positions are very closely related, as can be seen by listing them as follows:
C1: wKa4 wBb5, cl bKd1 bS (a2, d5, e2, e4)
C2: wKa4 wBb2 bKc2 bSc3 wB (b7, f3, h1)
C3: wKd1 wBb2 bKb3 bSc3 wB (b7, h1)
C4: wKa3 wBf1 bSd2 and either wBc1, bKc3, or wBc3, bKc1
C5: wKb1 wBb5, c1 bKd1 bSe2
All these positions provide very minor variations of introductory play leading to the same basic temporary incarceration of wK in C5, the one to be considered in detail below. In a C1 position, for example, the play would be 1. Bb 2 Kc 2 2. Ka3 Sc3 3. $\mathrm{B} 5-\mathrm{Sb} 1+4 . \mathrm{Ka} 2 \mathrm{Sc} 3+5 . \mathrm{Ka} 1$.
Now for the variationless play from C5, as orginally sent to AJR, who has added just the "Kling and Horwitz" comments.
*C* C5

1. $\mathrm{Ba} 4+\mathrm{Ke1}$ 2. Bb 2 Kd 2 3. Ka1 Sc3 4. Bc6 Kc2 5. Ba3 Kb3 6. Bf8 Kc2 7. Bg7 Kb3 8. Be8 Kc2 9. Bg6+ Kb3 10. Bh7 Kc4 11. Kb2 Se2 12. Kc2 Sd4 + 13. Kd2 Kd5 14. Ke3 Se6 15. Bf6 Sc5 16. $\mathrm{Bg} 8+\mathrm{Kd6}$ 17. Ba 2 Sd 7 18. Bg 7 Sc5 19. Bf8 + Kc6 20. Kd4 Sb7. Bl has achieved the Kling and Horwitz position. 21. Be7 Kb6 22. Bf6 Kc6 23. Bd5 + Kb6 24. Be4 Ka7 25. Kc3 Ka6 26. Kb4 Kb6 27. Bg5 Kc7 28. Bf4 + Kb6 29. Bg3 Sd8. And now W has manoeuvred B1 out of it, for ever. 30. $\mathrm{Bf} 2+\mathrm{Kc} 7$ 31. Kb5 Kd6 32. $\mathrm{Bg} 3+$ Ke6 33. Bc2 Sf7 34. Bb3 + Kf6 35. $\mathrm{Bh} 4+\mathrm{Kg} 6$ 36. Kc5 Sg5 37. $\mathrm{Bc} 2+$ Kh5 38. Bg3 Kg4 39. Bd6 Kf3 40. Kd4 Kf2 41. Kd3 Sf3 42. Bc5 + Kg3 43. Ke3 Sh4 44. Bd6 + Kg4 45. Ke4 Sf5 46. Bc5 Sh4 47. Bf 2 Sg 6 48. Bb3 Kg5 49. Bb6 Sf8 50. Bd8 +Kg 651. Kd5 Kf7 52. Kd6 +Kg 7 53. Ke7 Sg6 + 54. Ke6 Sf8 + 55. Kf5 Sd7 56. Be7 Sf8 57. Bf6 + Kh6 58. Bh8 Kh7 59. Bd4 Kh6 60. Bf7 Sh7 61. Be8 Sf8 62. Kf6 Sh7 + 63. Kf7 Sg5 + 64. Kg8 Sf3 65. Be3 + Sg5 66. Kf8 Kh7 67. Bxg5.
Now we give another line, also starting from C5, but this time with the computer's added 'notes'.
*C* C5
2. $\mathrm{Ba} 4+\mathrm{Kel}$ 2. Bb 2 Kd 2 3. $\mathrm{Bb} 3 / \mathrm{i}$ $\mathrm{Sc} 3+4$. Kal Kd3 5. Bf7/ii Kc2/iii 6. Ba3 Sb1/iv 7. Bf8/v Sd2/vi 8. Bg8/ vii $\mathrm{Sf} 1 /$ viii 9 . Bg7/ix Se3/x 10. Ka2. This concludes the first phase, in which Bl sets up a prison for wK and W manoeuvres to escape. The notes give all the equal-solution-length alternative moves.
i) 3. Ka 1 . 3. Bc 6 , d7, e8.
ii) 5 . $\mathrm{Bcl}, \mathrm{a} 3$.
iii) $5 . \ldots, \mathrm{Kd} 4$.
iv) 6. ..., Kd3. 6. ..., Se4, a4, d1, e2, b5.
v) $7 . \mathrm{Bb} 4, \mathrm{e} 7$.
vi) 7 . ..., Sc3
vii) 8. $\mathrm{Ka} 2.8 . \mathrm{Bg} 7$.
viii) 8. ..., Kd3. 8. ..., Sf3, b3.
ix) 9. Ka2.

The position is now: wKa2 wBg7 wBg8 bKc2 bSe3.
10. ..., Kd3 11. Kb2/i Sg2/ii 12. Ka3 /iii Sf4/iv 13. Kb4 Ke4 14. Kc5 Sd3 + 15. Kd6 Kf4 16. Bh7/v Ke3 17. Bg6 Sb4/vi 18. Bc3 Sd3 19. Ba5 Sf4/vii 20. Bb6+Kd2 21. Be8 Kc3 22. Ke5 $\mathrm{Sd} 3+23$. Kd5 Sb2/viii. This concludes the second phase, at the end of which Bl holds a temporary fortress position of the Kling and Horwitz type.
i) $11 . \mathrm{Kb} 3$, a3.
ii) $11 . \ldots$, Ke4. 11. ..., Sf5, g4, f1
iii) $12 . \mathrm{Kb} 3$.
iv) 12. ..., Ke4, e3. 12. ..., Sh4, e3.
v) 16 . Kd5.
vi) 17. ..., Sf4.
vii) $19 . . .$, Kd4.
viii) 23. ..., Kb3.

The position is now: wKd5 wBb6 wBe8 bKc3 bSb2
24. Bf7/i Sa4/ii 25. Ba5 + Kb3 26. $\mathrm{Kd} 4+/ \mathrm{iii} \mathrm{Kc} 2$ 27. Kc4 Sb2 + 28. Kb5 Kd3 29. Kb4 Ke3. This concludes the third phase, at the end of which bK is out in the open again, but with bS having less freedom than in phase two.
i) 24 . Ba5.
ii) 24 . ..., Kd3, d2, b3.
iii) 26 . Kc6.

The position is now: wBk4 wBa5 wBf7. bKe3 bSb2.
30. Bb6 + Kf4 31. Bc7 + Ke3/i 32. $\mathrm{Kc} 3 \mathrm{Sd} 1+$ 33. Kb3 Sf2 34. Bb6 + Kf3 35. Bh5 + Kg3 36. Kc4 Sg4 37. $\mathrm{Bc} 7+\mathrm{Kh} 4$ 38. Bc6 Kg5 39. Bd3 Kf6 40. Kd5 Kg5/ii 41. Bb1 Se3 + 42. Ke4 Sf5 43. Bc2 Kf6 44. Be5 +Kg 545. Bc3 Se7 46. Ba4/iii Sg6 47. Bb3 Se7 48. Ba5 Kg6 49. Kf4 Sc6 50. Bc3/iv Sb8 51. Ba4 Kf7 52. Ke5/v Ke7. This concludes the next phase, or phases. It is the hardest to make sense of, since it conceals an as yet unknown number of strategic and tactical patterns which we humans will have to work on (assisted by conversational
tools enabling us to have a 'dialogue' with the data base). For the time being we can say only that it is ''phase four', in which bK and bS are forced to the edge of the board but prevented from re-adopting a Kling and Horwitz position. The long succession of 'unique' moves is quite extraordinary -- moves 32 to 40 and moves 41 to 45 -- even making allowance for the fact that 'unique' does not mean unique in the study sense of 'only move to win', but in the computer sense of 'only move to secure the quickest win'.
i) 31 . ..., Kf5
ii) 40 ...., Kf7
iii) 46 . Bd1 b3
iv) $50 . \mathrm{Bc} 7$
v) 52 . Kf5.

The position is now: wKe5 wBa4 wBc3 bKe7 bSb8.
53. Bb4+/i Kd8 54. Kd6 Kc8 55. Bb5
/ii Kb7 56. Bc5 Sa6/iii 57. Bc6+/iv Kb8/v 58. Bb6 Sb4 59. Be4 Sa2 60. Be3/vi Sc3 61. Bc6/vii Kc8 62. Kc5 Kc7/viii 63. Bf3 Sa4 + 64. Kb5 Sc3 + /ix $65 . \mathrm{Kb} 4 \mathrm{Sb} 1 / \mathrm{x} 66 . \mathrm{Be} 4 \mathrm{Sa} 3 / \mathrm{xi} 67$. Kxa3. The final phase requires no commentary.
i) $53 . \mathrm{Kd} 5$.
ii) 55 . Bc5, c3, d2, e1, a3
iii) 56. ..., Kc8 a8
iv) $57 . \mathrm{Be} 3 \mathrm{f} 2$
v) $57 . \ldots, \mathrm{Kc} 8$
vi) $60 . \mathrm{Kc6} 6$. 60 Bd4
vii) 61 . Bf3 g2
viii) $62 . . . ., \mathrm{Kd} 8$
ix) 64. ..., Sb2
x) $65 . \ldots, \mathrm{Sa} 2$.
xi) $66 . . ., \mathrm{Kd8}, \mathrm{c} 8, \mathrm{~b} 8$, d7, d6. 66. ..., Sc3, d2.

Finally, the reader may care to examine what Comay's program makes of Ken Thompson's T1 from EG74. We would warn the reader against drawing any conclusions from his comparison.
${ }^{*} \mathbf{C}^{*}$ C6 (see T1 in EG74)

1. Bf8 (Bg7) 1. ..., Kf2 (Kg3) 2.
$\mathrm{Bc} 5+\mathrm{Kf} 3$ 3. $\mathrm{Ba} 7 / \mathrm{i} \mathrm{Kg} 3$ 4. Bg 1 Kf 3
(Kh3) 5. Ka7 (Kb7) 5. ..., Kg3 6. Ka6
(Kb6) 6. ..., Kf3 (Kh3) 7. Kb5 Kg3 8.
Kc4 Kf3 (Kh3) 9. Kd3 Kg3 10. Ke2
$\mathrm{Sf} 4+11$. Kel (Kf1) 11. ..., $\mathrm{Sg} 2+12$.
Kf1 Sf4.
i) 3. Kb8, b7 a7. Bd6, d4, g1, b6, a7.

The position is now: wKf1 wBg1 wBh1 bKg3 bSf4.
13. Bb 7 ( Be 3 ) 13. ..., $\mathrm{Se} 6 / \mathrm{i} 14 . \mathrm{Ke} 2$ Kf4 15. Bh2 + Kf5 (Kg5) 16. Bc8/ii Kf6 17. Kd3/iii Sc5+/iv 18. Kc4 (Kd4) 18. ..., Se6 19. Kd5 Sg7.
i) $13 . \ldots, \mathrm{Kg} 4$. Sh5, e6.
ii) 16 . Kf 3 , e3. Bc8.
iii) 17. Kf3, e3, d3.
iv) 17. ..., Kf5. Sg7, g5, c5 + .

The position is now of the Kling and Horwitz type: wKd5 wBc8 wBh2 bKf6 bSg7.
20. Bg4 (Bd7) 20. ..., Sf5/i 21. Be5 +

Kg6 22. Be2/ii Sg7 23. Bd1/iii Sh5/iv
24. Kc6/v Sg7 25. Kd7 Kf7 26. Bb3 +
/vi Kg6 27. Bc2 + Kf7 28. Bd4 Sh5.
i) $20 . . .$, , Kf7, e7, g6, g5. Sf5
ii) 22 . Ke6. Bf3, e2.
iii) 23. Kd6. Bd4, c3, d1.
iv) 23. ..., Kf7. Se8, h5.
v) $24 . \mathrm{Ke6}, \mathrm{~d} 6, \mathrm{c} 6$.
vi) 26. Bc 3 , b2, a1, b3 + .

The position is now at the next, and compex, state: wKd7 wBc2 wBd4. bKf7 bSh5.
29. $\mathrm{Bb} 3+\mathrm{Kg} 6030$. $\mathrm{Ke} 7 \mathrm{Kf5} 31 . \mathrm{Bc} 2+$ (Bb6) 31. ..., Kf4 32. Bb6 Sg3 33. Bc7 + Kf3 34. Bd1 + Kf2 35. Ke6 Se2 36. Bb6+ Ke1 37. Bc2 Kd2 38. Bf5 Kc 3 39. Kd5 Kb3 (Kd2) 40. Kc5 Sc3 41. Be6 + Kc2 42. Kc4 Sd1 43. Bf5 + Kd2 44. Kd4 Se3 (Ke2) 45. Be6 Sd1 (Ke2).
Somewhat arbitrarily drawing a line at this point we enter the ' Bl is confined" stage: wKd4 wBc2 wBe6 bKd2 bSd1.
46. Bb3 (Bd7) 46. ..., Sf2 (Ke2) 47.

Bc7 Ke2 48. Bf7 Sh1 (Sh3) 49. Bh5 +
Kf2 50. Kd3 Sg3 51. Bb6+ Kf1 52.
Bd1/i Sf5/ii 53. Ba4/iii Kel (Kg2) 54.

Bc6 Sg3 55. Bd8 Kf1 56. Bd5 (Be7) Sf5 57. Be6 (Ke4) Sg3.
i) 52 . Bg6, f7, e8, g4, f3, d1.
ii) 52 . ..., Kg 2 , e1. Sf5 .
iii) 53. $\mathrm{Bf} 3, \mathrm{~g} 4, \mathrm{~b} 3$, a4.

The final mopping-up operation stage, starts from: wKd3 wBd8 wBe6 bKf1 bSg3.
58. Ke3 Kg2 59. Bd5 + Kf1 60. Bf6 Sf5 + (Kg1) 61. Kf4 Sd6 62. Be7 Se8 63. Bf7 Sc7 64. Bd8 Sb5/i 65. Bc4+ Kel/ii 66. Bxb5.
i) $64 . \ldots, \mathrm{Sa} 8, \mathrm{a}, \mathrm{b}$.
ii) $65 . \ldots, \mathrm{Kg} 2$, f2, g1, e1.

Naturally, the final note always must include every legal move.
P.S. We have not heard the last of GBR class 0023 , but we must give it a rest for a while.

## KUBBEL AGAIN!

EG69, p. 70, adaptation by Godes of a Kubbel classic: IGM Pal Benko (USA) follows the composer's solution (B1) 1. Bh6 Ke4 2. d3 + Kf3 3.


Kb 7 a 34 . Bc1 but then diverges with 4. ..., a2 to draw, 5. Bb 2 Ke 3 followed bu 6. .., Kd2. Benko's next point: "Actually the win is more simple: 1. Bh6 Ke4 2. Bf8 (despite the original note giving this move a '?') 2. ..., Kf3 3. c4 and $W$ wins after either 3. ..., dc 4. dc Ke4 5. c4, or 3. ..., Ke2 4. Bb4 Kd3 5. c5.

Mr Whitworth's article was of great interest to me. Personally I am against using a piece for no other purpose than to sacrifice itself. But even if one accepts this type of introductory play it may be possible to do it better. Here are two attempts. In B2 1. Sc6 is more spectacular, exposing wK to a possible check on al.


In addition there is the in $1.04+$ ? Kxc4. (1. ..., dc? 2. de Kc4 3. Bc wins, 3. ..., a2 4. Bb2, or 3. ... Kb3 4. Bxa3. Or 1. ..., Ke4 2. Sc6 a2 3. $\mathrm{d} 3+$.) 2. d3 +Kxd 3 3. Sc6 Kc4 4. Bg7 d3 5. Se5 + Kc3 draws. In B2, however, wS moves once only, so let us look at B3 (wK could be on a8 also). 1. Sf5 + Ke6. Or 1. ..., Kd5 2.

$\mathrm{Se} 3+$ and c3. 2. Sd4 + ed 3. Bg7 and so on. The wS moves are incorporated into the play and by changing the P -structure the solution is better concealed. In fact I agree with Tavariani's suggestion to leave off wS. It
is a plus that the position becomes a miniature but the W1 and W3 versions are dull. I would like to offer B4 as perhaps the best setting as a miniature. 1. d3. A surprise. W makes no attempt to stop aP. 1. Bh4? d3 (or Kc4; first) 2. c3 Kc4 3. Kb7 a4 4.


Be7 Kb3 5. Kb6 Kc2 draws (just). 1. ..., a4 2. Bh4 Ke6 3. Bg5 (for Bc1-b2) and so on. This takes no credit from Kubbel, who after all introduced the theme. My examples may help the cause of true artistry by developing a more sophisticated taste in lovers of the endgame."

Second World Chess Compositions Tournament (2. WCCT). There was one studies theme set for this 10 -section team event. Set theme: In the main line (or variation or try, and by W or B1) a promotion to Q creates instant stalemate. Hillel Aloni (Israel) precedes his award with the following words (here and there paraphrased).
"'It was a great honour for me and my small country to be assigned the responsibility of choosing the theme and judging the Endgames section of the Second WCCT. It seems that the trust placed in us can be ascribed to the outstanding development of Israeli chess study composition.
''The WCCT was announced as a 'thematic tourney', and I would like to clarify here, in a few words, my personal attitude to this requirement in the specific case of studies. It
seems to me that in contrast to problems, where there is short-range action and therefore the realisation of the theme becomes a main objective, the long and varied play which characterises endings in general renders such a requirement rather marginal, and more emphasis should be given to the value of the ending as a (whole) composition.
The thematic limitation serves only as a kind of entrance permit to the special framework of the tourney in question, and this is the only way it differs from the 'classical' demand of a 'free theme'.
''From this standpoint, then, the composer who cleverly presents a multiplication of the theme, but with poor play, is not assured of success in the tourney, while on the other hand a composer who presents only a minimal execution of the theme, but manages to create around it original and valuable chess content, may well reap rich reward.
''Before turning to a detailed review of the compositions participating in the tourney it is my pleasant duty to thank the people who assisted me in this difficult but rewarding task: first and foremost Dr. J. Niemann (BRD) for his direction of the tourney; Mr. J.R. Harman (UK) who, in spite of severe illness (the very serious Cloward's operation was only one of Richard's ordeals. He is now having to learn to walk -- for the fourth time in his life. (AJR)) greatly contributed towards the testing of originality; Mr . A. Ettinger (Istael) for translating the award into English; and, last but not least, Mr. D. Lucas (Israel) for his competent translations from German. I am grateful to all.
"'31 competing compositions were submitted for adjudication. Most of them represent an a posterioro justification of my attitude, as expressed in the foregoing, towards the importance of thematic content, insofar a
they restricted themselves to al limited realisation of the thematic requirement, concentrating on the creation of as excellent by-play as possible. In this regard I felt disappointed in the following respects:
"'a) our choice of theme was based on the great popularity it has enjoyed since endgame composition began, and on the possibilities which it opens up for imaginative composers. However, in the present case composers did not live up to expectation, since apart from a number of excellent compositions which hinted at the unfathomable possibilities inherent in the theme most of them did not rise above the routine which prevails in many ordinary tourneys today.
''b) The epidemic of 'deficiencies' which has been afflicting the best tourneys in recent years (as a reminder, consider the 1972-75 WCCT), beyond question pointing to a lack of care on the part of composers and judges alike, has not spared the current WCCT, in spite of the long time available to competing countries, which ought to have enabled them to check and analyse their entries thoroughly. No fewer than 12 (almost $40 \%$ ) of the submitted entries, including some of the very best, had to be disqualified due to defects both apparent and concealed, even before the test for originality and evaluation of the study as a composition. This is definitely a warning sign, and unless a marked improvement occurs in the near future the whole field of endgame composition is in danger of losing most of its credibility'.
''c) In a few cases there was an evident desire merely to win ranking points, without any real effort to create something of value, the composers contenting themselves with sloppy work barely satisfying the thematic demand; eg they 'dressed up' a well known element with banal by-
play inferior even to that of its predecessors. In these case I was in a dilemma to decide whether to include such efforts in the award at all. I think that my decisions will not en courage similar attempts in future..
'"In checking the correctness of participating entries I had to examine, in a number of instances, some delicate aspects of endgame theory, including one known as fairly innovative (sic). Luckily I did not have to resolve problems requiring an exhaustive research of the authorities, and the questionable positions could easily be evaluated.
'"Finally, a few words regarding the numerous objections and comments by the participating countries: the eagerness to expose errors and anticipations in competing entries is of course legitimate, and paradoxically even constructive, as it enhances the credibility of chess compositions. But this does not mean that such criticism is not itself subject to considerations of credibility. In some cases a questionable or even totally incorrect analysis was given in order to invalidate a composer's solution (or maybe to trip the judge up)? So more care seems to be indicated.
"After checking the 31 entries for correctness and originality I decided to include in the final award only 17 of them ..."
The above extensive extract is reproduced, with full acknowledgement to the West German "Die Schwalbe" fairy chess magazine and its remarkable band of workers (Peter Kniest, Bernd Ellinghoven, Dr. J. Niemann) who produced the whole 2 . WCCT award booklet, which otherwise would not hàve appeared, in which event the tourney itself would not have taken place. (Result: 1st Place: USSR; 2nd: Israel; 3rd: USA; 4th: Czechoslovakia. 29 countries competed).

DIAGRAMS AND SOLUTIONS

No. 5024
Z. Fekete

2 Hon. Men.


No. 5024: Zoltan Fekete (Hungary). 1. c5? Se4 2. c6 Sf6 + 3. S(e/h)xf6. 1 . hSf6? Sxc4 2. Kh5 Se3 3. Kg5 Sc4 4. Kh6 Se3 5. Sd6 Sf5 + 6. Sxf5 stalemate. 1. Sd6 f5 + 2. Kg5 Sxc4 3. Sxc4 f4 4. Kg6 Kg8 5. Se5 f3 6. Sd7 f2 7. hSf6 + Kh8 8. Se5 f1Q 9. Sf7 mate.


No. 5025: M. Halski (Poland). 1. e8S + . Not 1. e8Q? g1Q + 2. Kxg1 Bxe8 3. Sxe8 + Kxf5 4. Sxd6 + Kf4 5. Ra4+ Kf3 draw. 1. ..., Bxe8 2. Sxe8 + Kxf5 3. Sxd6 + Kg4 4. Ra4 + Kh3 5. Sf5 g1Q + 6. Kxg1 Rg6 + 7. Kh1 Rg4 8. Ra3 + .
 Comm., Szen Memorial Ty, 1982


No. 5026: V. Sizonenko and A. Suzhakov (USSR). 1. Qh8 Kb1. Now follows a staircase movement of wQ 2.-9. Qh7-g7-g6-f6-f5-e5-e4-d4 Kb1 10. Kb3 Ka1 11. Qe5 Kb1 12. Qe4+ Ka1 13. Qd4 Kb1 14. Qa4 alS +15. Kc3 Bh6 16. Qe4 + Ka2 17. Qd5 + Kb1 18. Qf5 + Ka2 19. Qxa5 + Kb1 20. Qf5 + Ka2 21. Qe6 + and 22. Qxh6 + or 21. ..., Ka3 23. Qa6 mate.


No. 5027: M. Halski. 1. d8Q Bc2 + 2. Ke5 Bg3 + 3. f4 Bxf4 + 4. Kf6 Bg5 + 5. Ke5 Bxd8 6. e7 Bxe7 7. Rb7 + Ka6 8. Rb6 + drawn.

No. 5028
Cs. Meleghegyi
3 Comm
Szen Memorial Ty, 1982


No. 5028: Cs. Meleghegyi (Hungary). 1. Bxb5 Sxb4 2. h6 Kf8 3. Bc4 Sc6. 3. , Sd3 4. Kxf6 Sf2 5. Kf5 Sd3 6. Be6 Sc5 7. Kg6 Sxe6 8. h7 Sf4 + 9. Kh6. 4. Kxf6 Sd8 5. h7 Sf7 6. Be2 Sh8 7. Bh5 Sf7. 7. ..., Sg6 8. Kxg6. 8. Kg6 Se5 + 9. Kh6 wins.


No. 5029: M.A. Zinar (Feodosia). Judge: F.S. Bondarenko of Dniepropetrovsk. 1. a4 Kd4 2. Kh5/i f5 3. Kh4 Kc5 4. Kg3 Kb4 5. Kf3(f2) Kxa4 6. Ke3 Kb5 7. Kd4 Kc6 8. Ke5 Kc5 9. Kxf5 d4 10. Kg6 d3 11. f5 d2 12. f6 d1Q 13. f7, and a book draw.
i) 2. Kg6? Kc5 3. Kf5 (Kxf6, d4;) 3. ..., d4 4. Ke4 Kc4 5. a5 d3 6. Ke3 Kc3 7. a6 d2 8. a7 dlQ 9. a8Q Qel + 10. Kf3 Qh1 + wins.


No. 5030: L.A. Mitrofanov (Leningrad). 1. b6 h4 2. a6 Re1 3. bc Re8 4. d6 d1Q 5. d7, with 2 variations:
5. ..., Rf8 6. d8Q Qh5 + 7. Kxh7 Kh7 8. Qd7.
5. ..., Rg8 6. c8Q Qb3 7. d8Q d2 8. Qxg8 + Qxg8 9. Qxg8 + Kxg8 10. a7.


No. 5031: I. Bondar (Gantsevichy, Brest Region). 1. Bf4+ Kc8 2. cb + Kd7 3. Bc7 Rc8 4. Sb2 Bh5 5. Sd3 Rg8 6. Se5 + Ke6 7. Sc6 Kd7 8. Bd8 Rg1 9. Sb4 Rb1 10. Kb5 $\mathrm{Be} 2+11$. $\mathrm{Ka} 4 \mathrm{Bd} 1+$ 12. Ka5 Ral + 13. Kb6 Rb1 14. Be 7 , or if $11 . \ldots, \mathrm{Ra} 1+12$. $\mathrm{Kb} 3 \mathrm{Rb1}+$ 13. Ka3.


No. 5032: N.V. Rezvov (Odessa). 1. h7 Rh2 2. Bh6 Rxh6 3. Rb7 + Kf8 4. gh Rg8 5. Rd7 Rh8 6. Rd8 + Kf7 7. Rxh8 Kg6 8. Kc7 Bc4 9. Kd6 Bd3 10. Ke5 Kxh6 11. Rd8 Bxh7 12. Kf6 Kh5 13. Rh8 Kh6 14. Kf7.


No. 5033: Al.P. Kuznetsov (Moscow). 1. c6 Rxc6 2. d8Q + Kxd8 3 Qxc6 g5 4. Qd6+ Kc8 5. Qe7 Kb8 6. Qd7 Ka8 7. Qc7 Rh5 8. Qc8 + Ka7 9. Qd7 + Kb6 10. Qe6 + Kc5 11. Qf5 + Kd4 12. Qg4 + .


No. 5034: A.P. Manyakhin (Lipetsk). 1. $\mathrm{d} 4 \mathrm{ed}+/ \mathrm{i} 2 . \mathrm{Kb} 3 \mathrm{~g} 2$ 3. $\mathrm{Sd} 2+\mathrm{Kcl}$ 4. Sf3 h3 5. Sd3 +Kb 1 6. Sd2 +Kal 7. Sel d3 8. Sxg2 h2 9. Se3 h1Q 10. Sec4.
i) 1. ..., g2 2. Sd2 +Kc 1 3. $\mathrm{Sd} 3+$ Kd1 4. Sf2 +Ke 2 5. Sh3.

No. $5035 \quad$ V.N. Dolgov
Hon. Mention, Kiev " 1500 Years" Tourney, 1982


No. 5035: V.N. Dolgov (Dmitrievskaya, Krasnodarsky Krai). 1. Se5 $\mathrm{Sc} 3+2 . \mathrm{Kal}$ Rd6 3. $\mathrm{Rb} 7+\mathrm{Kg} 84$. $\mathrm{Rb} 8+\mathrm{Kg} 7$ 5. Rb7+ Kf8 6. Rb8+ Ke7 7. Rd8 Rf6 8. Rf8 Rd6 9. Rd8.


No. 5036: Y.M. Roiko (Volynsk Region). 1. Sc5 + Kb6 2. Sd7 + Ka6 3. Bxf3 glS 4. Bh5 e2 5. Bg6 elS 6. Sc5 + Kb6 7. a5 + .

No. 5038
Special Hon. Mention K.I. Zinchuk
Years" Mention, Kiev '1


No. 5038: A.I. Zinchuk (Kiev). 1. Se5 Kf1 2. Sf3 e1Q+ 3. Sxe1 d2 4. Sc2 Bxc2 5. Bc4+ Ke1 6. Bb8 Kf2 7. $\mathrm{Ba} 7+\mathrm{Ke1}$ 8. Bb8 draws, for example 8. ..., d1Q 9. Bg3 + Kd2 10. Bf4 + Kc 3 11. Be5 +Kb 4 12. Bd6 +Ka 5 13. $\mathrm{Bc} 7+$.


No. 5039: E.L. Pogosyants (Moscow). 1. Sf5 + Kg4 2. Kxh7 Sf6 +3. Kh6 Sg8 + 4. Kh7 Bf7 5. Sd6 Kh5 6. Se4 Bd5 7. Sg3 + Kg5 8. Se4 + Kh5 9. $\mathrm{Sg} 3+. \mathrm{W}$ has a number of checkmates to avoid.


No. 5040: A.M. Belyavsky (Leningrad). 1. Bc4 f5 2. Ke6 f4 3. Kf5 f3 4. Sb3 Kc3 5. Kf4 Sh3 + 6. Ke3 Bxb3 7. Bd5 Bxd5 stalemate, or 7. ..., f2 8. Bg2.


No. 5041: V.V. Kichigin (Perm). 1. $\mathrm{Ba} 3 / \mathrm{i} \mathrm{Qxa} 3+$ 2. Kb1 Qe7 3. Sf4 Kg7 4. a7 Qxa7 5. Sxg6 Kxg6 6. f8Q i) 1. Sf4? Kg 7 2. Ka 2 g 5 3. Ba 3 c 5.


No. 5042: B.N. Sidorov (Apsheronsk, Krasnodarsky Krai). 1. Sd8 +/i Rxd8 2. dc g2 + 3. Kh2 g3 + 4. $\mathrm{Kh} 3 \mathrm{~g} 4+5 . \mathrm{Kh} 4 \mathrm{~g} 5+6 . \mathrm{Kh} 5 \mathrm{Kxc} 7$ 7. h 8 Q .
i) 1. h8Q? f6 2. e6 Bxe6 3. Sa5 + Ka6 4. Qxf8 Bd5 mate.


No. 5043: P.T. Sysolyatin (Tyumen). 1. Bh3 + Kxh1 2. 0-0-0+ Kh2 3. Kxb2 c3 + 4. Kxa2 Kxh3 5. Rg1 Kh2 6. Rg4 h3 7. e5 Kh1 8. Rxb4 Kg2 9. Rg4+ Kf2 10. b4 h2 11. Rh4 Kg3 12. Rxh2 Kxh2 13. Kb3 Kg2 14. Kxc3 Kf1 15. Kd3 Kf2 16. c3.

No. 5044 G.A. Polin 2nd Prize, Podolsk ", 200 Years" Tourney, 1981
ard: Podolsky Rabochy 27.xi. 81


No. 5044: G.A. Polin (Saratov). The judge of this local tourney celebrating 200 years of the town of Podolsk was IGM and Judge V.A. Korolkov (Leningrad). There were 76 entries and the judge regretfully reports the exclusion of many from the award by reason of unsoundness. The 1st Prize went to A.G. Kopnin, with K9, to be found in the composer's article in EG74.

1. a7 Sxa7 2. d6 eSc6 3. Bxc6 Be6/i 4. c8Q Bxc8 5. Ba4/ii Bxd6 6. Kb6 Bb8 7. Bc2/iii Kd2 8. Be4/iv Kc3 9. Bg2 Kb4 10. Bf1 Ka4 11. Bd3/v Kb4 12. Bf1 Kc3 13. Bg2 Kb4 14. Bf1, positional draw.
i) 3. ..., Bxd6 4. Bd7 Bxc7 5. Ka6 Bb8 6. Kb7.
ii) 5. Be8? Bb7 6. Kb6 Sc8 +. Or 5. Kb6? Sxc6 6. Kxc6 Bg4 7. d7 Be7 8. Kc7 Bb4.
iii) 7. Bb3? Bd7 8. Kb7 Sc6 9. Bd5 Sb4.
iv) 8. Bh7? Ke3 9. Bg6 Bd7 10. Kb7 Sc6.
v) $11 . \mathrm{Bg} 2$ ? Sb 5 12. Bc 6 Ba 7 mate. "...attractive position in which wB, fighting alone and with subtle manoeuvres against 3 B1 pieces, will not allow bS access to freedom via c6 or b5'".


No. 5045: G.A. Umnov (Podolsk). bPa 2 is out of reach, but the poor situation of bK allows W to initiate
mating threats. 1. $\mathrm{Sc} 7+\mathrm{Kb} 82$.
$\mathrm{Sa} 6+\mathrm{Ka} 8$ 3. Be6/i a1Q 4. Bd5 + $\mathrm{Sb} 7+5 . \mathrm{Kc} 8$ Qxa6 6. dc g3 7. h6 g2 8. h7 g1Q 9. h8Q Qg3 10.' Kd7 + Qb8 11. Qc8. There is now an original position of reciprocal zugzwang. B1 has bQQ but no useful move. After 11. ..., Qxc8 + 12. Kxc8 B1 is once more in zugzwang. After a 'random'' move of bQ Bl will be mated.
i) 3. Bxg4? alQ 4. $\mathrm{Bf} 3+\mathrm{Sb} 7+5$. Kc8 Qxa6 6. dc Qe6+.


No. 5046: Y.V. Bazlov (Primorsky Krai). 1. Qh6. wQ takes up the most active position possible. 1. ..., Qb1 + 2. Kxd2 Qb4+ 3. Ke2 (Ke3? Qc5 + ;) 3. ..., $\mathrm{Qb} 2+$ 4. $\mathrm{Ke} 3 \mathrm{Qc} 1+5$. Kd 4 $\mathrm{Qa} 1+$ 6. Kc5/i Qa5 + 7. Kd6 Qb6+ 8. Ke7 Qxh6/ii 9. f6 d4 10. f7 Qg 7 11. h5 h6 12. Ke8 Kh7 13. f8R/iii Qc7 14. Rf7 + wins.
i) 6. Kxd5? Qa5 + 7. Kd4 $\mathrm{Qa} 1+8$.

Ke4 Qe1 + 9. Kd5 Qa5 + and it is clear why W is unable to win -- there is no longer bPd5.
ii) 8. ..., Qc7 + 9. Kf6 Qd8 + 10. Ke5 Qc7 + 11. Qd6 Qc3 + 12. Ke6 Qc8 + 13. Ke7 Qb7+ 14. Qd7 Qb4+ 15. Kf7.
Without bPd5 B1 could have played 10. ..., Qa5 + . And so, to escape the menacing perpetual, W gives up his remaining piece -- wQ. But what happens next?
iii) 13 . f 8 Q ? Qd7 + 14. Kxd7 would be stalemate.


No. 5047: B.G. Olympiev (Sverdlovsk). 1. Kc7 g1S 2. Bc2. It is necessary to forestall the strong B1 move ..., Se7. 2. ..., Sf6 3. Kc8/i Se2 4. Bd3 Sd5 5. Be4 Sc3 6. Bxf3 g5 7. $\mathrm{Bg} 2 / \mathrm{ii} \mathrm{g} 4$ 8. Bh1 g3 9. Bg 2 wins. i) 3. Bb3? f2 4. Bc4 f1Q 5. Bxf1 Sd5 + .
ii) 7. Bh1? g4 8. Bg2 g3 and W is in zugzwang.


No. 5048: A.P. Maksimovskikh (Kurgan Region) and Y.M. Makletsov (Yakut Autonomous Republic). 1. $\mathrm{Bc} 8+/ \mathrm{i} \mathrm{Ke5} 2$. $\mathrm{f} 7 \mathrm{Rb} 4+3$. Kxa5 Rf4 4. Bg3 Ral $+5 . \mathrm{Kb} 5 \mathrm{Rb} 1+6$. Kc6/ii Rb6+ 7. Kc5 Rf6 8. d4 mate. i) 1. f7? $\mathrm{Ra} 1+2 . \mathrm{Kb} 5 \mathrm{eRb} 1+3 . \mathrm{Kc} 6$ Rb8 4. Be7 Rf1 5. f8Q+ Rxf8 6. Bxf8 Rxf3.
ii) Only in this way can wK evade the unpleasant attentions of bR.


No. 5049: V.N. Kondratyev (Ivanovsk Region). 1. Sh6 + Kh7 2. Bf8 Rc4 3. Bb7 Rf4/i 4. Bc5 Kxh6 5. Be3 Kg 5 6. Bc8.
i) 3. ..., Rh4 4. Sf5 Rf4 5. Be7 Rxf5 6. Be4 Kg6 7. Bd8 wins.


No. 5050: G.S. Atayants (Karachaevsk). 1. a7 Ra1 2. Sa3. A completely unexpected sacrifice of wS, to decoy bR onto 3rd rank. The reason soon becomes clear. 2. ..., Rxa3 3. f7/i h2 4. $\mathrm{Kg} 7 \mathrm{Rg} 3+5$ 5. Kf6 Rf3 + 6. Kg6/ii Rg3 +/iii 7. Kf6 with a draw, as B1 is compelled to give perpetual check.
i) 3. Kg 7 ? Rxa 7 4. $\mathrm{f} 7 \mathrm{c5}$.

But A.G. Kopnin reports that 3. Kg8 demolishes the study: 3. ..., h2 4. f7 Rg3 + 5. Kf8 Ra3 (h1Q; a8Q +) 6. Kg 8 (g7) $\mathrm{Rg} 3+7 . \mathrm{Kf} 8$, with a draw, meeting the stipulation.
ii) 6. Ke6? $\mathrm{Re} 3+7 . \mathrm{Kf} 7 \mathrm{~h} 1 \mathrm{Q}$.
iii) 6. ..., h1Q serves no purpose, since bR blocks the a8-h1 diagonal.


No. 5051: E.L. Pogosyants (Moscow). 1. Se4 (Sf1? Ra4+;) 1. ..., d1Q 2. Bg4 + Kxg4 3. Sf2 + Kf3 4. Sxd1 Ke2 5. Sc3 + Kd2 6. Sb5/i Ra5 7. Kb4/ii Rxb5 +.8. Kxb5 Kc3/iii 9. Kc5 Kb2 10. c4 Kxa2 11. Kd6 Kb3 12. c5 a2 13. c6 a1Q 14. c7 Qa8 15. Kd7 Qb7 16. Kd8 Qb6 17. Kd7 Qb7 18. Kd8.
i) 6. Kb4? Kxc 2 7. $\mathrm{Sa} 4 \mathrm{Rxa} 4+$. ii) The loss of a tempo gains nothing here: 7. Kc5? Kxc2 8. Kb4 Rxb5 + . iii) A witty move played instead of the anticipated 8. ..., Kxc2 9. Kc4 Kb2 10. Kd3 Kxa2 11. Kc2.


No. 5052: G. Pozdnyak (Podolsk). 1. Kc7 h2/i 2. b4 b5 3. a4 ba 4. Kc6 Se3. Because wS threatened to play to d5 square. 5. Sd5! Sxd5 6. b5 + Ka5
7. $\mathrm{Bd} 2+\mathrm{Sb} 4+8 . \mathrm{Kc} 5 \mathrm{a} 3$ 9. b3 h1Q. B 1 has conducted hP through to promotion, but the elevated footsoldier has no time to spread his wings. 10 Bxb 4 mate.
i) 1. ..., b5 2. Sd5 h2 3. Sb4+ Ka5 4. Sc6 + Ka6 5. b4 h1Q 6. Sb8 mate.


No. 5053: A. Garakyan (Baku). This study won the special prize for a schoolboy. This young man was 1980 Junior Champion of Azerbaidjan. 1. Rg7 1. Ra7 + does not save W after 1. ..., Kb6 2. $\mathrm{Ra} 2 \mathrm{Sb} 3+3 . \mathrm{Ke} 3 \mathrm{~d} 24$. $\mathrm{Ke} 2 \mathrm{Sc} 1+$, or 3. Kxd3 Scl + . 1. ..., Be5 + . No better is 1. ..., d2 2. Kxc5 Bd6+ 3. Kxc6 Ka4 4. Rg1. 2. Kxe5 d2 3. $\mathrm{Ra} 7+$. If $3 . \operatorname{Rg} 1$ ? $\mathrm{Sd} 3+$ and 4. ..., Se1. 3. ..., Kb6 4. Ra1 Sd3 + 5. Kd6 Sc1 6. Rb1 + Ka5. If 6. ..., Ka6 7. Kc7, or 6. ..., Ka7 7. Kc7. 7. Ra1 + Kb6 8. Rb1 + .


No. 5054: G. Nadareishvili (Tbilisi). This important tourney is a text-book example of the very real difficulty there is in identifying a tourney. The award was published in 'Tbilisi Chess" (Russian title 'Shakhmatny Tbilisi'), described as '"a special bulletin of the Committee for Physical Culture and Sport of the Council ('soviet') of Ministers of the Georgian ('Gruzian') Republic and of the Georgian Chess Federation". The award takes up 3 pages of the 8 -page bulletin and is headed "'Gruziya-60" Tourney, but the sub-heading (take another deep breath) reads, in translation: "provisional award in the All-Union tourney for study composition -- 'Gruziya-60', organised by the organ of the TsK (ie, Central Committee) of the Georgian 'Komparty' (ie, the Communist Party), of the Supreme Soviet and Council of Ministers of the Georgian Republic, namely 'Komunisti', in celebration of 60 years of the Georgian Komparty and the inauguration of the Georgian SSR'. Probably everyone will be happy to call the tourney "'Gruziya60". The judges were Vazha Neidze and Revaz Tavariani, both of Tbilisi. There were approximately 150 entries.

1. Sf5 + . 1. Rb1? fails to 1 . ..., $\mathrm{f} 1 \mathrm{Q}+$ and either 2. Rxf1 Sc1 + , or 2. Kxf1 Sd2 + , with 3 . ..., Sxb2, winning. 1. ..., Ke6 2. Rb1 f1Q +3. Rxf1 Sc1+ 4. Kd2 b1Q 5. Sd4+. Had bK played to f6, then $\mathrm{Se} 3+$ would be played here, with Rxcl to follow. 5. ..., Kd5. Or 5. ..., Ke5 6. Sc6 + Ke4 7. Rel + and 8. Rxc1. 6. Sc2. W threatens bS, and bQ is tied to its defence. A remarkable find. 6. $\ldots, \mathbf{S b 3}+$ 7. Kc3. Now bQ is the endangered species, forcing 7. ..., Sc1 8. Kd2, with a positional draw.

No. 5055: D. Gurgenidze. 1. Sf5 + . The first move, and indeed its intention, are the same as in the

previous study. 1. ..., Kg6 2. d8Q b1Q. To win, W must try to capture bQ. Let us see how the play goes. 3. $\mathbf{Q g 8}+\mathbf{K f 6} 4 . \mathbf{Q g} 7+$ Ke6 5. Qe7 + Kd5 6. Qd6 $\pm$ Kc4. Or 6. ..., Ke4 7. $\mathrm{Sg} 3+\mathrm{Ke} 3$ 8. $\mathrm{Sf} 1+$. 7. Se3 +Kc 38. Qc5 + Kb3. Or 8. ..., Kd2 9. Sc4 + 10. Qg1. 9. Qb5 + Ka2 10. Qa4 + Kb2 11. Sd1 mate.


No. 5056: S. Varov (Erevan). 1. Rel Bf3 2. $\mathbf{B g} 7+$ e5 3. Rxe5 Qg8 4. Bf6 Qf8 (Qf7; Bh8) 5. Rf5+. Had B1 played 1. ..., Bh5 then $W$ would now draw with 5. Ref + Kd5 6. Re5 + Kc6 7. Rxh5 Qxf6 8. Rxa5. 5. ..., Ke4 6. Re5 + Kf4 7. Be7 Qe8 (Qb8; Bh4) 8. Bd6. A new battery is set up, with the same threat to win bQ. 8. ..., Qd8 ( Qd 7 ; Bb8) 9. Rd5 $+\mathrm{K}: \div$ 10. Re5 + Kd4 11. Be7 Qe8 (Qh8; and a draw by "perpe 0 al battery", with symmetrical play. A highly successful debut by a hitle known composer.


No. 5057: V. Anufriev (Tula). 1. a7 Rh5 + 2. Ka4. 2. Ka6? Rh6 + 3. Kb7 Rb6 + 4. Kxb6 Bd4 +. 2. ..., Rh4 + 3. Kb3 Rh3 + 4. Ka2 Rh2 + 5. Kb1 Rh1 + 6. Kc2 Rh2 + 7. Kd1 Rh1 + 8. Ke2 Rh2 + 9. Kf1 Rh1 $+(R f 2+$; Kg1) 10. Kg2 Rg1 + 11. Kf3 Rf1 + 12. Ke2 Rf2 + 13. Kd1. Not 13. Ke1? Bc3 + 14. Kd1 Rd2 + . 13. ..., Rf1 + 14. Kc2 Rf2 + 15. Kb3 Rf3 + 16. Ka4 Rf4 + 17. Kb5 Rf5 + 18. Ka6. Now it is possible to play $w K$ to a6. 18. ..., Rf6 + 19. Ka5. It transpires that the whole point of wK's trek was to lure $b R$ to the f-file, so that $b B$ is obstructed and the move ... Bc3+ is unavailable. 19. ..., Rf5 + 20. Sb5 Bc3 + 21. Ka4. Not 21. Ka6? Rf6+ 22. Kb7 Rf7 + 23. Sc7 Be5 24. a8Q + Kg7, drawn. 21. ..., Rf4+22. Ka3. A draw results from 22. Kb3? Rb4+ 23. Ka3 Rxb5 24. a8Q + Ke7 25. Qc6 $\mathrm{Ra} 5+26 . \mathrm{Kb} 3 \mathrm{Be} 5$ 27. Qb7 + Kd8 28. Qb6+ Bc7. 22. ..., Bb2 +23. Kb3, and W wins.


No. 5058: A. Belyavsky (Leningrad).

1. h7 Sf4 + Or 1. ..., Kd3 2. Sb2 + Bxb2 3. Bxb2 Sf4+ 4. Kg4 Sg6 5. Se7. 2. Bxf4 Ke4 3. Se7 Bd7 + . If 3. ..., Kxf4 4. Sd5 + and 5. Sc3 (either wS). 4. Kxh4 Bf5 5. Be5. Superb move. 5. Sxf5? Kxf5 6. Kh5 Kxf4 7. Kg6 Kf3. 5. ..., Bxe5 6. Sf2 + Kf4 7. Sh3 + Ke4. If 7. ..., Bxh3 8. Sg6 + . 8. Sg5 + Kf4 8. Sd5 mate.


No. 5059: V. Kalandadze (Tbilisi). 1. Re5 + Kf6 2. Rf5 + Kg6 3. Rg5 + Kh6 4. Ra5. Not 4. Rh5 + ? Rxh5 5. Rb6 +Kg 5 6. Ra6 Rh2 7. Ra4 Kf5 8. Kb7 Ke5 9. Kc6 Rc2 + 10. Kb5 Kd5 and Bl wins. 4. ..., a1Q. Having transferred wK to the board's edge, $W$ is ready for the final combination, based on the theme of the self-sacrificing (or desperado, berserk or wild, ...there are many descriptions) rook. 5. Rb5 Qh8 + 6. Rb8 Qd4 7. Rb6 + Qxb6 8. Rh5 + . The second R-sacrifice in succession leads to the stalemating draw. 8. ..., Kg7 9. Rh7 + Kf8 10. Rf7 + .


No. 5060: S. Belokon (Kharkov). 1. $\mathrm{Qg5}+$. W has to capture bRa1, but only when bK is on the c-file or e-file. 1. .., Kf8. Or 1. ..., Kf7 2. Qh5. 2. Qh6 + Ke7 3. $\mathbf{Q g} 7+$ Kd8 4. Qh8 + Kc7 (e7) 5. Qxa1 Rf4+ 6. Ka3 Bd4. Or 6. ..., Bc5 + 7. b4 Rxb4 8. Qg7 + and 9. Ka2. 7. Qa2. Had Bl played 4. ..., Kd7 then 7. Bf5 + would now win. 7. ..., Rf2 8. Bc2 Rf1 9. Bd1. 9. Bb1? Rf2. 9. ..., Rxd1 10. Qc2+. Or, with bKe7 (after 4. ..., Ke7), 10. $\mathrm{Qe} 2+.10 . . ., \mathrm{Bc} 5+11 . \mathrm{b} 4$, and the rest is in the theory books.


No. 5061: G.N. Zakhodyakin (Moscow). 1. Rxg7? Qxa5 + 2. Kxa5 e1Q + 3. Kb6 Qe3 + . 1. Rh2 Qxa5 + 2. Kxa5 e1Q+ 3. Ka6. Avoiding 3. Kb6? Qe3 +. 3. ..., Qf1 + 4. Kb6 Qf8. Or 4. ..., Qg1 + 5. Kc6 Qcl + 6 . bRc2. 5. Rh8 Qxh8 6. Kc7.

No. 5062: G. Amiryan (Erevan). 1. Sf5 + Kg6 2. Sd4. This is a position

of reciprocal, or mutual, zugzwang. W to play: Rd2, Bc3; Rd1, Be2; and Bl wins. 2. ..., Bd3. If 2. ..., Bd5 3. Rb4 Bc3 4. Rc4. 3. Rb4 Kf7 4. Rb2. And this is a symmetrical position of reciprocal zugzwang. 4. ..., Kf8 5. Rb8 + Kf7 6. Rb2. 6. Rf8 + ? Kg6 7. Rg8 + Kh6. Or 6. Rb4? Bc3 7. Ra4 Bb5. 6. ..., Bc4 7. Rd2 Kg6. 7. ..., Bc3 8. Rd3 draws. 8. Rb2 Kh6 9. Rh2 + Kg6 10. Rb2, positional draw.


No. 5063: Y: Bazlov (Primorsky Krai). 1. $\mathbf{S e} 7+\mathrm{Kd8}$ 2. $\mathbf{a 8 Q}+\mathbf{S b 8}+$ 3. Kd5 Qh5 + 4. Kd6 Qh2 + 5. Kd5 Rf5 + 6. eSxf5 Qg2 + 7. Kd6 Qxa8 8. Se6 + Kc8 9. Se7 + Kb7 10. Sc5 + Kb6. Naturally, if 10. ..., Ka7 11. Sc8 mate. 11. Sd5 + Ka7. Or 11. ..., Ka5 12. $\mathrm{Sb} 3+\mathrm{Ka} 4$ 13. $\mathrm{Sb} 6+$. 12. Se 7 Sa6. 12. ..., Qf3 13. Sc8 + Ka8 14. Sb6+ draws, or 12. ..., Sd7 13. Sc6 + Kb6 14. Sxd7 + Kb7 15. Sc5 + Kc8 16. Se7 + Kd8 17. Se6 +, also with a draw. 13. Sc6 + Kb6 14. Sd7 + Kb7 15. Sa5 + Ka7 16. Sc6 + .


No. 5064: I. Krikheli (Gori). 1. Re8? Bf1 + . 1. Rc7 + Kb8 2. Re7 e2. Or 2. ..., Bf1 + 3. Kb6. 3. Re8 + Kc7 4. Rxe2 Bf1 5. Bd3 Rxd3 6. Re4 Re3 + 7. Ka5 Rxe4 stalemate.


No. 5065: A. Maksimovskikh (Kurgan Region) and Y. Makletsov (Yakutia). 1. Sd6. This threatens Sf7 + , Kh5; Rh7 + . 1. ..., Kg5 2. Se4 + Kh6. If 2. ..., Kf5 3. $\mathrm{Sg} 3+$. 3. Rxd7 c1Q 4. $\mathbf{B g} 7+\mathbf{K h 5} 5 . \mathbf{S g} 3+\mathbf{K g} 56$. $\mathbf{R d 5}+\mathbf{K h} 4$ 7. Rh5 + gh 8. Bf6 + Qg5 9. Sf5 mate.


No. 5066: S. Belokon (Kharkov) and An.G. Kuznetsov (Moscow). 1. c7 Rh8 2. Rb8 Bf4 3. Rd8 + Bd6 4. Rxd6 + Kc3 5. Rd8 Rh1 + 6. Ka2 Rh2 + 7. Ka3 Rh7 8. Rd3 +, and after 8. ..., cd 9. c8Q $+W$ wins on material.


No. 5067: E. Asaba (Moscow). 1. Rg4 a2 2. Rg1 Sb1 3. Sg8 + Kh7 4. Sf6 + Kh6 5. h4 a1Q 6. h5 and 7. Rg6 mate. A second line is: 3. ..., Kh5 4. Sf6 + Kh4 5. Rg4 + Kh3 6. Rg5 and 7. Rh5 mate.


No. 5068: L. Abramov. 1. Bd4 Qh2 + 2. Kb1. 2. Kb3? Sc5 + 3. Bxc5 Kg 7 . 2. ..., $\mathbf{Q b 8}+$ 3. Ka2. 3. Kal? Qb3 4. $\mathrm{Sg} 4+\mathrm{Kh} 7$ 5. $\mathrm{Be} 4+\mathrm{Kg} 86$. Bd5 + Qxd5 7. Sf6 + Kf7 8. Sxd5 h2. 3. ..., Qh2 + 4. Ka1 Qc2 5. Sd7 + Kg8 6. Bd5 + Kh7 7. Be4 + Qxe4 8. Sf6 + .


No. 5069: V.N. Dolgov (Krasnodarsky Krai). 1. Qa1 + Kf8 2. Ra8 + Be8 3. Qf6 + Qf7 4. Qh8 + Ke7 5. Ra7 + Bd7 6. Qe5 + Qe6. 6. ..., Kd8 7. $\mathrm{Ra} 8+\mathrm{Bc} 8$ 8. Qh8 +. 7. Qg7 + Kd6 8. Ra6 + Bc6 9. Qf8 + . Not 9. Qd4 + ? Qd5 10. Qf6 + Kc7, drawing. 9. ..., Kd5 10. Qf3 + Kc5 11. Qc3 + Kb5 12. Qd3 + Kc5 13. Qc2 + and wins, for instance, 13. ..., Kb5 14. $\mathrm{Qa} 4+\mathrm{Kc} 5$ 15. Qb4 + Kd5 16. Ra5 + .


No. 5070: E. Kvezereli (Tbilisi). 1. Bf1? Bc6+ 2. Kd6 Bf3 3. c6 Kb6. 1. Kd6 Bf5 2. Bf1 Bd3 3. c6 Kb6 4. c7 Kb7 5. Bg2 + . 5. Kd7? Se5 + . 5. ..., Kc8 6. Bh3 Bf5 7. Bf1 Bd3 8. Bh3.


No. 5071: L. Mitrofanov and V. Razumenko (both of Leningrad). 1. Kg2 h1Q + 2. Kxh1 c2 3. Kh2 c1Q 4. Bd8 + Qg5 5. c7 a2 6. f4. 6. c8Q? a1Q 7. Qc7 gQf6. 6. ..., g3+. Had W played 3. Kg 2 ? then Bl could survive with $\mathrm{gf}+$ here. However, now after 6. ..., gf follows 7. c8Q alQ 8. Qh3 mate. 7. Kg2 alQ 8. Bxg5 + Kg4 9. c8Q mate.


No. 5072: B. Sidorov (Krasnodarsky Krai). 1. Re8 + Kb1 2. Rb8 + Ka2 3. Rb2 + Kxb2 4. Kxd3 + Kc1 5. Bb2 + Kd1 6. Bd4 Ke1 7. Bf2 + Kd1 8. Bd4, drawn.


No. 5073: A. Botokanov (Frunze). 1. Rh5? Qg8 + 2. Kf2 Kxd4 3. Sxf3 + Ke4. 1. Rh2 Kxd4 2. Sxf3 + Ke3 3. Rxg2 Qg8 + 4. Kh3 Qe6 + 5. Kg3 Qd6 + 6. Kg4 Qf4 + 7. Kh3 Qf5 + . 7. ..., Kxf3 8. Rf2 + Kxf2, stalemate No. 1. 8. Kh4 Qe4 + . 8. ..., Kxf3 9. Rf2 + , stalemate No. 2. 9. Rg4 Qh7 + 10. Kg3 Qc7 + 11. Kg2 Qc2 + 12. Kg3 Qf2 + 13. Kh3 Qf1 + . 13.
., Kxf3 14. Rf4+, stalemate No. 3. 14. Kh2 Kxf3 15. Rf4 + Kxf4, stalemate No. 4. There is a symmetrical variation after 1. ..., $\mathbf{Q g 8}+$. Note 1. ..., Se3 2. dSc6 Qf8 (Sf1 + ; Kf2) 3. Rd2 + Ke6 4. Kf2 2. Kf2 Kxe5 3. Sxf3 + Kf4 4. Rxg2 Qa2 + 5. Kf1 $\mathbf{Q c 4}+\mathbf{6} . \mathbf{K f} 2 \mathbf{Q c 5}+7 . \mathrm{Ke} 2 \mathbf{Q e 3}+8$. Kf1 Qd3 + . 8. ..., Kxf3 9. Rg3 +, stalemate No 5. 9. Ke1 Qe4 + . 9. ..., Kxf3 10. Rg3 + , stalemate No. 6. 10.
$\mathbf{R e 2} \mathbf{Q b 1}+\mathbf{1 1} . \mathbf{K f} 2 \mathbf{Q b 6}+\mathbf{1 2} \mathbf{K g} 2$ $\mathbf{Q g} 6+$ 13. Kf2 $\mathbf{Q g} 3+14 . K f 1 \mathbf{Q h} 3+$. 14. ..., Kxf3 15. Re3 + , stalemate No. 7. 15. Kg1 Kxf3 16. $\mathrm{Re} 3+\mathrm{Kxe} 3$, stalemate No. 8. A. Akerblom (2nd Pr., Shakhmaty v SSSR, 1959) showed two symmetrical stalemate lines.


No. 5074: A.P. Kazantsev (Moscow). 1. d6 Kb8 2. f7 Bh6 3. d7 Kc7 4. Kh7 Bf8 5. Kg8 Bh6 6. f80 Bxf8 7. Kxf8 Kd8 8. b4 Bxe4 9. b5 Bf5 10. b6 Bxd7 11. b7 Bc8 12. b8R Kc7 13. Rb3. "A rework of a Weenink study".


No. 5075: E.L. Pogosyants (Moscow). 1. g7 Sg4 + 2. Kf7 Kh5 (Sh6 +; Kg6) 3. g8Q Sh6+ 4. Kf8 Sxg8 5. Kxg8 Rg4+ 6. Kh7 Rf4 7. Kg7 Rg4 + 8. Kh7 draws, and after the alternative 2. ..., Rf4 3. g8Q Sh6 + 4. Kg 7 Sxg8 5. f7 Rg4 + 6. Kh7 (Kh8? Se7;) 6. ..., Sf6 + 7. Kh6/i Sd7 8. f8Q Sxf8 it is stalemate.
i) 7. Kh 8 ? Kg 5 8. $\mathrm{f} 8 \mathrm{Q} \mathrm{Rh} 4+9 . \mathrm{Kg} 7$ Rh7 mate.


No. 5076: D. Gurgenidze and L.A. Mitrofanov. 172 studies from 97 composers were submitted to the judge, V.A. Korolkov, a close friend of the great problemist Lev Loshinsky. 1. a8Q Rd7 + 2. Rxd7 Qf6 + 3. Re7 (Kc8? Qc3 + ;) 3. ..., Qd4 + 4. Qd5/i Qxd5 + 5. Ke8 Qa8 + /ii 6. Kf7 Qxh8 7. Re6 + Kc7 8. Re7 + Kd8 9. Re5 Kd7 10. $\operatorname{Re} 7+\mathrm{Kd6} 11 . \operatorname{Re} 6+$ Kd5 12. Re5 + Kd4 13. Re8, and after 13. ..., Qxe8 + 14. Kxe8 Kc3 15. Kf7 Kxb3 16. Kg7 Kc2 17. Kxh7 b3 18. Kg6 b2 19. h7 b1Q 20. h8Q it's drawn.
i) 4. Ke8? or 4. Rd7?, 4. ..., Qxh8 + and 5. Qxa8.
ii) Is 5. ..., Qc6.+ a demolition? It appears so: 6. $\operatorname{Rd} 7 \mathrm{Qc} 8+7 . \operatorname{Rd} 8$ Qe6+ is a Bl win, 6. Kf7 Qg6+ 7. Kf8 Qf6 + 8. Kg8 Qxe7 9. Rxh7 $\mathrm{Qg} 5+$. The study was eventually eliminated.


No. 5077: A. Koranyi and Jozsef Szentgyörgi ('Joseph St. George') (Hungary). 1. g7 Qa8 + 2. Sb8 (Kf7; Qxd5 +) Qxb8 + /i 3. Kf7 Sf4 4. e8S/ii Qxe8+ (Qb7+; eSc7, Qb8; Se7, Qb3 + , cSd5) 5. Kxe8 Sxd5 6. Kf8 Sf6 (e7) 7. Kf7/iii $\mathrm{Sg} 88 . \mathrm{Kxg} 8 \mathrm{Kg} 69$. Kh8/iv Kh6 10. g8S + Kg6 11. Se7 + Kf6 12. Sd5 + Ke5 13. De3 Kf4 14. $\mathrm{Sg} 2+\mathrm{Kg} 3$ 15. Kxh7.
i) 2. ..., Qxd5 3. g8S + Kg6 4. e8Q + Kf5 5. Se7 +
ii) 4. e 8 Q ? $\mathrm{Qb} 7+5 . \mathrm{Se} 7 \mathrm{Qb} 3+6$. Kf8 Se6 + 7. Kg8 Sxg7 + 8. Qf7 Qb8 + 9. Qf8 Qxf8 + 10. Kxf8 Se6 + 11. Kf7 Sg5 + , drawn.
iii) A position of reciprocal zugzwang, explaining why wK lost a tempo.
iv) 9. Kf8? Kh6 10. g8S + Kg6 11. Se7 + Kf6 12. Ke8 Ke6 13. Kd8 Kd6 14. Sg8 Ke6 15. Sh6 Kf6 16. Kd7 Kg6 17. Sg8 Kf5.

The position after move 8 is known from the 1930s (?Selesniev).


No. 5078: V.A. Bron. 1. Sb6/i Sxb6 2. Kxb6 Sb3 3. Kc6 Sa5 + 4. Kb5 Sb7 5. Kc6 $\mathrm{Bf} 3+6$. Kc7 $\mathrm{Kf} 5 / \mathrm{ii} 7 . \mathrm{Bg} 7$ Ke6 8. Bf8/iii Ke5 9. Bg7 +/iv Kf5 10. Bh6 (Bf8? Ke6;) 10. ..., Ke5 11. $\mathrm{Bg} 7+$ Ke6 12. Bf8, or 10. ..., Kf6 11. Bf4 Ke6 12. Bg3.
i) 1. Sc3? Sxc3 2. Bxc3 Sb3 3. Kb6 Bf3.
ii) 6. ..., Sa5 7. Bcl and 8. Kxd6.
iii) "An interesting position of reciprocal zugzwang: bPd6 would ob-
struct bBf3 if it moved, while bB is also tied'". If 8...., Bg2 9. f4 Be4 10. $\mathrm{f} 5+\mathrm{Ke5} 11 . \mathrm{f} 6 \mathrm{Ke} 612 . \mathrm{f} 7$ and 13. Bxd6, and bS is in turn tied to defence of bP. There remains the text move of bK.
iv) 9. Be 7 ? Kd 5 10. $\mathrm{Kxb} 7 \mathrm{Ke6}+$.


No. 5079: N. Kralin. 1. Sg3 + (else Bg6 mate) 1. ..., Ke6 2. Rxc3 (g6? Kf6;) 2. ..., g6 + 3. Kh6 Kf7/i 4. Sh5 Rh4 5. Rf3 + Kg8 6. Rh3/ii Rxh5 + 7. Rxh5 Be5 8. b8Q + Bxb8 9. Bd5 + Kh8 10. Bg8 Kxg8 11. h4 gh 12. g6 Bf4+13. Kxh5.
i) 3. ..., Be5? 4. Kxh7 Kf7 5. Rf3 Rxf3 6. b8Q Bxb8 7. Bxf3.
ii) W hopes for stalemate with pin of wS.


No. 5080: A. Belenky. 1. Bc4+ d5 2. Sxd5/i Qf5 + 3. Kh4 Sg6+/ii 4. Qxg6+ Qxg6 5. g8Q + Kxg8 6. $\mathrm{cSe} 7+$ /iii $\quad \mathrm{Bxe} 7+$ 7. Sf6 +Kh 8 stalemate with 2 W pieces pinned.
i) W sets up his own battery to counter Bl's.
ii) The initiative continues to change hands.
iii) 6. dSe7 + ? Kg7 7. Sxg6 Kxg6.
"'Loshinsky loved batteries!"


No. 5081: L. Katsnelson. 1. Sc6+/i Sxc6 2. $\mathrm{bc}+\mathrm{Bxb} 2$ 3. $\mathrm{c} 7+\mathrm{Kb} 74$. c8B + /ii Kc6 5. Rc5 + Kb6 6. Rb5 +, or 3. ..., Ka7 4. c8S + Ka6 5. Ra5 + Kxa5 -- 2 stalemates, one with B-promotion, the other with S-promotion.
i) 1. Rd8 +? Bxd8 2. Sc6 + Sxc6 3. $\mathrm{bc}+\mathrm{Bb} 3$ 4. $\mathrm{Rb} 7+\mathrm{Kc} 8$ 5. Qxb3 Bf6 + 6. Kh7 Qxc6 7. Rf7 Qe4+ 8. Kg8 Qg6 + 9. Kf8 Qh6 + 10. Ke8 Qh8 + 11. Rf8 Kc7 + .
ii) 4. c8Q + ? Kb6 5. Qxa8 Qh6 + and 6. ..., Qxg7 mate.


No. 5082: V. Kondratyev and A.G. Kopnin. 1. e7/i Bxf7 2. gf e2 +3. Kxg2 Rg3 + /ii 4. Kh2 $\mathrm{Bg} 1+5$. Kh1 $\mathrm{Rxh} 3+$ 6. Kg2/iii $\mathrm{Rh} 2+$ 7. Rxh2 Kxf7 8. e8Q + Kxe8 9. Kf3 elQ 10. Re2 + .
i) 1. Rxd4? e2 2. Re4 Rb1 + 3. Kxg2 elQ.

1. Re4? Rb2 2. e7 e2+ 3. Kxg2 elQ + . 1. Kxg2? Rb2 + 2. Kf3 Rf2 + 3. Kg 4 e2 4. e7 Bxf7 5. Rh7 + Kxg6. ii) It is the aim of both Bl and W to engineer a promotion with check. iii) 6. Rxh3? Kxf7 7. Rf3 + Kxe7 8. Rf1? efR.


No. 5083: E. Ianosi (Romania). 1. Se5 b2 2. Sc4 b1S 3. Sd6 + Ka5 4. Rg2 Sc3 + (B-; Ra2 +) 5. Kc4 Sd1/i 6. Kd3 Sb2 + /ii 7. Kc3 Sa4+ 8. Kb3 Bc5 9. Sc8 Kb5 10. Ra2 Sb6 11. Sa7 mate.
i) 5. ..., Be1 6. Rg1 Bd2 7. Kd3 Bf4 8. Sc4+ Kb4 9. Rg4 Sd5 10. Se3.
ii) 6. ..., Kb6 7. Rg6 Bc5 8. Se4 + d6 9. Sxc5 Kxc5 10. Rg2. Or 6. ..., Kb4 7. Kd 2 Bc 5 8. $\mathrm{Rg} 4+\mathrm{Kb} 3$ 9. Se 4 .


No. 5084: G.M. Kasparyan. 1. Bd5 +/i Kxd4 2. Bxg2 Ba2 3. Rf8 (Rd8 + ? Kc3;) 3. ..., Rg4 4. Rd8 + Ke3 5. Rxd3 + Kxd3 6. Bf1 + Kc2 7. Bc 4 , and 7. ..., Rxc4 8. g8Q or 7. ..., Bxc4 8. g8Q Bxg8 stalemate, or 7. ..., Rxg 7 8. $\mathrm{Bb} 3+\mathrm{K}$ or Bxb 3 stalemate, or 9. ..., Kc3 10. Bxa2.
i) 1. Bf5 + ? Rxf5 2. Re8 + Kf4 3. g8Q Rg3.


No. 5085: G.N. Zakhodyakin. 1. d6/i Sb6 2. Sf6 + Kxg7 3. d7 Sxd7 4. Bf3 Bxf3 5. Kxf3 Rd2 6. Ke3 Rd1 (Rd6; $\mathrm{Se} 8+$ ) 7. Ke2 Rd4 8. Ke3, with perpetual attack by wK on bR.
i) 1. Se7? $\operatorname{Rxg} 7+2$ d6 Bb 5 .


No. 5086: A. Bezgodkov. 1. Rd3 ab/i 2. Rb3 h2 3. Rxb7 Ka3/ii 4. Rb3+ Ka4 5. Rh3 Bg3 6. Kxb2 Kb4 7. Kc2 Kc4 8. Kd2 Kd4 9. Ke2 Ke4 10. Kf1 Kf3 11. Rxh4 Bxh4 stalemate.
i) 1. ..., Bxb2 2. Rxh3 Bf6 3. Rb3. ii) 3. ..., Bd4 is met, not by 4. Rb5? Bc3 5. Kxc3 b1S +, but by 4. Rb4 $\mathrm{b} 1 \mathrm{Q}+5 . \mathrm{Rxb} 1 \mathrm{Bg} 16 . \mathrm{Rb} 2+\mathrm{Ka} 37$. $\mathrm{Rb} 3+$ and 8. Rh3.

No. 5087
A.G. Kopnin

Special Men Loshinsky Mem. Ty, 1982


No. 5087: A.G. Kopnin. 1. b7 Rg8 2. Sh4. Now there follow 2 lines: 2. ..., Rxg1 3. b8Q + Rg8 4. Qa7/i elQ 5. Qd4 + Rg7 6. Qd8 + Rg8 7. Qf6 + Rg 7 8. Qf8 + Rg8 9. Sg6 +hg 10. Qxh6 mate.
2. ..., Rb8 3. Sf5, and once again the lines divide:
3. ..., Rxb7 4. Sh6 Ra7 + 5. Kb3 $\mathrm{Rb} 7+6$. Kc4 and 7. Sf7 mate. 3. ..., e1Q 4. Rxe1 Kg8 5. Sd6 cd 6. Re7 h5 7. Rc7 Rxb7 8. Rxb7 wins. i) 4. Qb 4 ? $\mathrm{Ra} 8+5 . \mathrm{Kb} 3 \mathrm{e} 1 \mathrm{Q}$.


No. 5088: N. Plaksin, the retro specialist. Beginning from No. 5088a, after the very last pawn-move or capture 0. ..., g7-g6, play. 1. Kf6 2. Ke7 3. Kd8 4. Kc8 5. Kb7 6. Sc6 Re8 7. Se5 Re7 8. Kc8 Rb4 9. Kd8 10. Sc4 Kc6 11. Sd6 Rb8 + 12. Sc8 Ra8 13. ..., Kb7 14. ..., Kb8 15. Sd6 16. Sc4 17. Se5 Qd4 18. Sc6 + Kb7 + 19. Sb8 Kb6 20. Kc8 Kc5 21. Kb7 Kd5 22. Ral Ke5 23. Sc6 + Kf5 24. Sb4 Kg4 25. Sd5 Kh3 26. Sc3 Kg2 27. Sb1 Kf1 28. ..., Kel 29. ..., Kd1 30. ..., Kcl 31. Sc3 + Kb2 32. Rg1 Rd8 33. Rg2 Kc1 34. Sd5 Kd1 35. Rb4 Qal 36. ..., Qc1 37. Rb1 Bg1 38. Ral Qb1 + 39. Sb6 Kc1 40. Rh2 Kb2 41. Rh3 Qf1 42. Sc8 Qg2 + 43. Kb8 Bh2 44. Rg1 Qd5 45. Rg2 Qd6 46. Ka8 Bg1 47. gRh2 Kc1 48. Kb8 Kd1 49. Ka8 Kel 50. Kb8 Kf1, and the initial diagram is reached after 50 moves, and it's draw by the Laws of Chess, on the assumption (false in a study) that there is a
'"player" to make the claim -- but then we are all used to this studyconvention interpretation of the game rules.


No. 5089: E. Chumburidze. This competition of the Georgian newspaper 'Soplis Tskhovreba' in the Georgian tongue ( $=$ Country Life, but bearing zero relationship to the glossy British journal of the same name!) was for non-town composers. It was even the 5th such tourney. The first was in 1964, and subsequent dates were: 1968, 1972, 1976 and 1980. It is not clear how many of these were for studies. The present tourney was judged by David Gurgenidze, himself a confirmed country-man and current USSR champion for studies. 52 composers entered 86 compositions, and the preminary award appeared in 'Soplis Tskhovreba' on 25.xii.81. This is the final award. The composer of the 1st Prize-winning study comes from the village of Zeda Simoneti, Terholsky Raion (= local district, smaller than 'oblast' or 'krai') in the Georgian SSR.

1. Rh1 Sh4 2. Rxh4 Rd5 + 3. Kxc6 Rd6 + 4. Kc5 Rd5 + 5. Kb4 Rd4 + 6. Kc3 Rd3 + 7. Kc2 Rxd2 + 8. Kb3 Rd3 + 9. Kb4 Rd4 + 10. Kc5 Rd5 + 11. Kxd5 0-0-0 + 12. Kc6 Rd6 + 13.

Kxd6 Kxb7 14. a8Q + Kxa8 15. Kc7 g2 16. Rxg4 Ka7 17. Rg6 f2 18. Rxg2 f1Q 19. Ra2 + wins.


No. 5090: V. Kondratyev (Ivanovsk Region). 1. Rg1 g5 2. Rc6 + Kh5 3. Kg 7 g 4 4. Rc5 $+\mathrm{Kh} 45 . \mathrm{Kg} 6 \mathrm{~g} 36$. Rc4 + Kh3 7. Kh5 g2 8. Bxg2 +fg 9. Rxc3 + Sf3 10. Rxc2 Sxg1 11. Rxb2 Se 2 12. Rb1 Sg3 + 13. Kg5 Sf1 14. $\mathrm{Rb} 3+\mathrm{Sg} 3$ 15. Rb 1 , positional draw.


No. 5091: E. Chumburidze. 1. Bc8 a1Q 2. Rxb7 Qa5 + 3. Ke8 Qa4 + 4. $\mathrm{Kf} 8 \mathrm{Qa} 3+5$. $\mathrm{Kg} 8 \mathrm{Qa} 2+6$. Kxg 7 $\mathrm{Qa} 1+7 . \mathrm{Kg} 8 \mathrm{Qa} 2+8 . \mathrm{Kf8} \mathrm{Qa} 3+9$. Ke8 Qa4 + 10. Rb5 + .


No. 5092: A. Anufriev (Nikitino, Tula Region). 1. Sh5 + Kh8 2. Rh3 Qd7 3. Rh4 Qc8 4. Sf5 Qxf5 5. $\mathrm{Sg} 3+$.
No. $\mathbf{5 0 9 3}$
1 Hon. Men., Soplis Tskhovreba,
1980


No. 5093: Y. Makletsov (Yakutia, in the very far east and north). 1. Bc5 Rxe5 2. Bf8 Re6 3. Bg7 + Se5 4. Kf4 Kd4 5. Bh8 Re7 6. Kf6 Re8 7. Bg7.


No. 5094: V. Dolgov and B. Sidorov (Krasnodarsky Krai, also in Far East, and itself a vast region). 1. g7 Qb7 + 2. $\mathrm{Ka} 2 \mathrm{Qd} 5+3 . \mathrm{Ka} 1 \mathrm{Qh} 1+$ 4. Bb 1 Qd5 5. Bc2 Qc4 6. Bh7 Qf1 + 7. Ka2 $\mathrm{Qc} 4+8$. Kbl Qf1 + 9. Bc1 Qb5 + 10. Kal $\mathrm{Qe} 5+11$. $\mathrm{Bb} 2 \mathrm{Qel}+12$. Ka2 Qe6 + 13. Kbl Qel + 14. Bcl.


No. 5095: A. Ivanov (Chuvashia -- I think that this is an 'Autonomous Region' based on the Chuvash minor nationality). 1. $\mathrm{Re} 6+\mathrm{Kg} 7$ 2. $\operatorname{Re} 7+$ Kf8 3. Rf7 + Ke8 4. Ba4+ Kd8 5. Rf8 + Kc7 6. Rf7 + Kd6 7. Rf6 + Kc5 8. Rf1 Sb1 9. Rcl + Kd6 10. Rc6 + Ke7 11. Rc7 + Kd8 12. Rd7 + Kc8 13. Ra7 Kb8 14. Bb3.


No. 5096: A. Ivanov. 1. e6 Sf4 2. $\mathrm{Be} 5+\mathrm{Kh} 7$ 3. Bxf4 Rxf4+ 4. Kc5 Rf5 + 5. Kd6 Rxh5 6. e7 Rh6 +7. Kd7 Sb6+ 8. Kd8 Rd6+ 9. Kc7 $\mathrm{Rd} 7+10 . \mathrm{Kb} 8$ Rxe7 stalemate.


No. 5097: I. Roiko (Ukraine, not more closely identified). 1 h7 Rxh2 2. Rxc2 blQ 3. h8Q + Rxhs 4. $\mathrm{Rx}-7+\mathrm{Kd} 8$ 5. Rd7 + Ke8 6. $\mathrm{Re} 7+$.


No. 5098: N. Pandzhakidze (village of Tsagveri, Georgian Republic). 1. Kg5 Sxg2 2. Ra7 +Ke 8 3. Ra8 +Ke 7 4. $\mathrm{Ra} 7+\mathrm{Kf} 8$ 5. $\mathrm{Ra} 8+\mathrm{Kg} 7$ 6. Rd 8 c 2 7. $\mathrm{Rxg} 6+\mathrm{fg} 8$. Rxd2 clQ stalemate.


No. 5099: N. Chebanov (Moldavian Republic). 1. e5 + Kf5 2. Bg1 Kxe5 3. Bxf7 $3 x f 74$. Bc5 a2 5. Bxe7 alQ 6. Bf6 $+K \times f 6$ stalemate.


No. 5100: N.Mansarliisky (Odessa Region). 1. Bd5 Kb8 2. c7 +Kc 83. Re8 + Kxc7 4. Rxe4 Bf1 5. Re7+ Kc8 6. Re8 + Kc7 7. Re7 + Kd6 8. Re1 $\mathrm{Be} 2+9$. Kg6 Kxd5 10. Rc1 Ke5 11. Rel Kf4 12. Rc1 with a positional draw.


No. 5101: A. Maksimovskikh (Kurgan Krai). 1. c7 Rb2+ 2. Ka3 R2b3 + 3. Ka4 Rxc5 4. dc and either 4. ..., Rb7 5. c8R, or 4. ..., Rb8 5. $\mathrm{cbS}+$.
(No, there were literally no annotations in the award source... AJR).


No. 5102: N. Ryabinin. 1. Bd7 + Kg6 2. c7 Kf7 3. Be8 + Kf8 4. Bg6 Rc6 5. Bf5 Rh6 + 6. Bh7 Rc6 7. Bf5.


No. 5103: E.L. Pogosyants. Judge: Filipp S. Bondarenko. There were 24 participating studies, rather a small number for 2 years.

1. $\mathrm{g} 7+$. 1. Rxf6? $\mathrm{Bg} 3+$ 2. Kxg3 $\mathrm{Qg} 5+$, or $2 . \mathrm{Kg} 1 \mathrm{Re} 1+$ 3. Rf1 Qe3 + 4. Kh1 hg + 5. Kxg2 Re2+. 1. Qxf6 + ? Bxf6 2. Rxh3 Bxe5 + 3. Kg1 Qxh3, or, in this, 2. Rh7 + Qxh7 3. gh Bxe5 + . 1. ..., Kh7 2. ef. 2. Rxf6? $\mathrm{Bg} 3+$. 2. ..., Bg3 + 3. Rxg3 hg +4. Rh3. 4. Kxg2? Qd2 + 5. Kh3 Qh6 + perpetual check. 4. ..., g1Q +5. Kxg1 Qxh3 6. Qxg8 + Kg6 7. Qh7 + Kxh7. 7. ..., Qxh7 8. g8Q + Qxg8 9. $\mathrm{Rg} 7+$. 8. $\mathbf{g 8 Q}+\mathbf{K x g 8} \mathbf{9 .} \mathbf{f} 7+\mathbf{K g} 7$ 10. f8Q + Kxf8 11. e7 + Kf7 12. e8Q + Kxe8 13. d7 + Qxd7 14. Sxd7 Kd8 15. Ra7. 15. Sf6? Re1 + 16. Kf2 Kxc7 17. Kxe1 Kd6 18. Kd2 Ke5 19.

Kc3 Kxf6 20. Kc4 Ke7 21. Kc5 Kd7. 15. ..., Re7 16. d6 Rxd7 17. Ra8 mate, or 16. ..., Re6 17. Sc5 Rxd6 18. Sb7 + wins


No. 5104: E. Melnichenko (New Zealand). 1. e7. 1. f7? Rxa7 2. Bxf5 + Kxf5 3. f8Q + Ke4 4. Q- Ral mate. 1. Kd1? Rxa7 2. Kcl Ral + 3. Kb2 Ra2 + . 1. ..., Rg8 2. Bg6 Rh8. 2. ..., Rb8 3. Bxf5 + Kxf5 4. Bxb8. 3. Bh5 Rg8 4. Bg4 Rh8 5. Bh3 Rg8 6. Bf1 Rb8 7. Bb6 Ra8 8. Ba5 Rb8 9. Bb4 Ra8 10. Ba3 Rb8 11. Bc1 Ra8 12. f7 Re8 13. Bxd3 + cd 14. c4 and wins.


No. 5105: D. Gurgenidze. 1. Rg1 Rb1 2. Rg8 + Kh7 3. Rg7 + Kh6 4. Rg6 + Kh5 5. Rg5 + Kh4 6. Rg4 + Kh3 7. Ra4 Rxg1 8. Rxa2 Rc1 9. Rxg2 Kxg2 10. Kxb6 Kf3 11. Ka7. 11. Ka6? Ke4 12. b6 Kd5 13. b7 Kc6 14. b8S + Kc7 15. $\mathrm{Ka} 7 \mathrm{Ra} 1+$ 16. Sa6+ Ka6 and Bl wins. 11. ..., Ke4 12. b6 Kd5 13. b7 Kc6 14. b8S + draws, not 14. b8Q? Ral mate. David Hooper suggests that this is "book" from move 10.


No. 5106: E.L. Pogosyants. 1. Ke6. 1. Rg8 + ? Kd7 2. Rxa8 Kd6 3. Rd8 + Ke5. David Hooper would like more proot of the draw here. 1. ..., Kc8. Were the position reflected left-forright then Bl could castle here. 2. d6 cd. 2. ..., Kb7 3. Rxc7 + Kb6 4. Rxh7 Re8 + 5. Re7 Rd8 6. Kd5 Rh8 7. d7 Kc7 8. Re8 Rh5 + 9. Ke6, or in this, 6. ..., a5 7. Re1 Kb5 8. Rb1 + Ka4 9. Kc6 Ka3 10. d7 a4 11. Kc7 Rxd7+ 12. Kxd7 Ka2 13. Rb4 a3 14. Kc6 Kal 15. Kd5 b4 16. Kc4 g4 17. Kb3 wins. 3. Kd5. 3. Kxd6? a5 4. Kc6 Ra6 + . 3. ..., a5. 3. ..., Kb8 4. Kc6 Ra7 5. Rg8 mate. 4. Kc6 Ra6+ 5. Kb5 Ra8 6. Rxh7. 6. Kb6? h5 7. Rg8 + Kd7. 6. ..., g5 7. Kb6 g4 8. Rh8 + Kd7 9. Rxa8 Ke6 10. Kb̄5. Not 10. Rxa5? d5 11. Kc5 Ke5 12. Ra4 d4 13. Rxd4 Kf5 14. Rd8 Ke4 15. Re8 + Kf3 16. Kd4 g3 17. Rf8 + Ke2 drawing, or in this, 13. Ra3 Ke4 14. Kc4 d3 15. Rxd3 Kf4 16. Rd7 Ke3 17. Re7 +Kf 2 , a chameleon-echo variation. David Hooper suggests that 10. Kc6 may win also. 10 ..., Ke5 11. Kc4 Ke4 12. Re8 + Kf3 13. Kd3 g3 14. Rf8 + Kg2 15. Ke2 wins.

No. 5107: E. Ianosi. 1. Se5 Bg7. 1. ..., Bf8 2. Sd7 Bc5 3. Re8 Sh6 4. Rb8 + wins, but not 2. Re8? Bd6 3. Sf7 Sf6 4. Re6 Se4 5. Sxd6 Sc5 +, drawing. Also, after 2. Sd7, g4 3.


Rg6 Bf4 4. Rxg4 wins. 2. Sc6 + Kc5. 2. ..., Kb5 3. Sa7 + K- 4. Rg6. 3. Rg6 Bb2. 3. ..., Bal 4. Sa5 Se7 5. Re6 Kb4 6. Rxe7 Kxa5 7. Ra7 + . 4. Kc2 Ba1 5. Kb1. 5. Sa5? Se 7 6. $\mathrm{Sb} 3+$ Kb5 7. Re6 Sf5 8. Sal Sd4 + drawn. 5. ..., Bc3 (f6) 6. Rxg8 Kxc6 7. Rc8 + (Rg6) and wins. If 4. ..., Ba3 5. Kb3 Bc1 6. Rxg8.


No. 5108: A.A. Sochniev. 1. Bf4+. 1. Sb5 + ? Kc5 draws. 1. ..., Kc5 2. Be3 + . 2. Bxg5? Bxa7 3. Kb7 Bb6 4. Be3 + d4. 2. ..., d4 3. Bxg5 Bxa7 4. Kb7 Вb6 5. Вe7 + Kb5 6. Bd3 + Ka5 7. Кc6 Вa7 8. Kc7 Вb6 + 9. Кb7 wins.


No. 5109: V.N. Dolgov and A Maksimovskikh. 1. Bf6 + Bg7. 1. ..., Kg 8 2. $\mathrm{Bf} 7+$ 3. Ke6 clQ 4. g7+ Bxg 7 5. Be7 mate. 2. Bg5 Bb2 3. Bf6 + Bxf6 4. Kxf6 c1Q 5. g7 + Kh7 6. Bg6 + Kh6 7. g8S mate.


No. 5110: A.S. Kakovin and A.T. Motor. 1. Rf8 Rxf8 2. efB Kf2 3. Bb4 Kf1 4. Sd2 + Kf2 5. Sf3. 5. Sb1? Kf1 6. Kc2 Kf2 7. Bd2 Kf1 8. Sc3 dc 9. Kxc3 e1Q 10. Bxe1 Kxe1 11. Kd4 Kd2 12. Kxd5 Kxd3 13. Kc6 Kc4 14. Kb7 Kb3, drawn. 5. ..., Kxf3 6. Be1 Kg2 7. Kd2 wins.


No. 5111: V.V. Kichigin. 1. a6. 1. c6? b2 2. c7 b1Q + 3. Kc8 Qc2. 1. ..., b2 2. a7 b1Q+ 3. Kc7 Qh1 4. c6 Qh2 + 5. Kc8 Qh3 + 6. Kb7 wins.


No. 5112: A. Belyavsky (Leningrad). 1. e7 Bg6 2. Sf3 Sf5 + 3. Kg4 Sxe7 4. $\mathrm{Bc} 3+\mathrm{Kg} 8 / \mathrm{i} 5$. Sf6 +Kf 8 6. Bb4 Kf7 7. Sg5 + Kxf6 8. Bc3 mate, or 6. ..., Bf5 + 7. Kh5 Kf7 8. Sg5 + Kxf6 9. Bc3 mate.
i) 4. ..., Kh 7 5. $\mathrm{Sg} 5+\mathrm{Kh} 6$ 6. Bg 7 mate.
Eliminated from the final award by Judge: S. Belokon. This was the 5th study tourney of the Kurgan newspaper. The eliminations were the result of comments by readers and competitors, but no specific analyses or other reasons were provided.


No. 5113: D. Gurgenidze and L.A. Mitrofanov (Georgian SSR and Leningrad respectively). 1. Qxh2+ Qxh2 2. Rbl h4 3. Kc6 h3 4. Kb7 c4 5. Ka8 c3 6. bc Qb8 + 7. Rxb8 Bc5 8. Rh8.


No. 5114: A. Maksimovskikh (Kurgan Region). 1. Qxg3? Bd4+ 2. Ka2 Ra1 mate, or 1. Ka2? Rh2 + 2. Kb1 Rb3 + 3. Kc1 Be3 + 4. Kd1 Rb1 mate, or 1. Qe7+? Ka6 2. Qd6 + $\mathrm{Bb} 6+$ 3. Kb2 Rh2 + 4. Kb1 Rg1 mate. So, 1. Qa5 + Kb7 2. Qd5 + Kb6 3. Qxh1 Bd4+ 4. Ka2 (Kb1? $\mathrm{Rg} 1+$;) 4. ..., Rg1 5. Qh6 $+\mathrm{Kb} 5 / \mathrm{i} 6$. Qh5 + Kb4 7. Qd1 (Qh1? Ra1 + ;) 7. ..., Rg2 + 8. Kb1 Rg1 9. Ka2 Kc5 10. Qh5 + Kb4 11. Qd1 Rg2 + 12. Kbl. i) 5. ..., Ka5 6. Qd2 $+\mathrm{Kb6} 7$. Qxd4+, or 5. ..., Kc5 6. Qf8 + Kb5 7. $\mathrm{Qb} 8+$.

No. 5115 G. Amiryan
Special Prize, Molod


No. 5115: G. Amiryan (Erevan). 1. e 4 g 5 2. e5 g4 3. e6 g3 4. e7 g2 5. e8Q g1Q 6. Qe2 Qh1 7. Qf2 Qd1 8. Qd4 Qe1 9. Qe5 Qh1 10. Qh8 Qf1 11. Qf6.


No. 5116: V. Kalandadze (Tbilisi). 1. h7 Rxf2 + 2. Kb3/i Rf8 3. Rd3 + Kg 4 4. $\mathrm{Rd} 4+\mathrm{Kg} 5$ 5. Rd5 +Kg 66. Rd6 + Kxh7 7. Rd1 Rf3 + 8. Ka2 Rh3 9. Rh1 Kg6 10. b3 Kg5 11. Ka3 Kg4 12. Rxh2 Rxh2 stalemate.
i) 2. Rd2? Rf8 3. $\mathrm{Rd} 3+\mathrm{Kg} 44$. Rd4 + Kg5 5. Rd5 + Kg6 6. Rd6 + Kxh7 7. Rd1 Kg6 8. b3 Rf2 + wins.

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