## EDITORIAL

If EG is to go forward into 1991 and beyond, good features must be preserved and shortcomings made good. Each of the dozen chapters of TEST TUBE CHESS was addressed to a different kind of enthusiast, but this pattern is far too elaborate and ambitious. Four, rather than twelve, running sections of EG are enough. The first section would be for the expert: composers and scholars around the globe are there with potential high-class studies and papers awaiting the right outlet. The second section - for the beginner: this is crucial for the long - term survival of the magazine with an appeal broader than to an litist clique. It will be the most difficult section to write. There is no magic formula for the content, to produce which will test the combined talents of at least an ASSIAC and a Dr Benjamin Spock. A disciplined correspondence column will be an essential part of this second section. The third section is for the analyst, cook-hunter and endgame theorist: there is no shortage, there never has been, and there never will be, dearth of controversy about the soundness of studies (in contrast to problems, which can be computer-
tested), while we must expect computer-based research to continue to present important data that will confirm, contradict or clarify current verdicts of endgame theory. The fourth and final section will be the continuation of EG's principal achievement, namely the chronicle of tourney awards world-wide.
This section is most conveniently created and distributed on diskette for home computer usage, complete with software for display, maintenance, and efficient retrieval. Of course, the other sections could also be on diskette, but the point is to reduce the physical bulk of, and the tedium of handling, relatively poor quality material that will not stand the test of time.
Tourney announcements, news about personalities, humour, and book reviews could be spread without duplication among the four sections with little consequential suffering. Readers with this area of interest - that of the 'Friend' of chapter 3 of TEST TUBE CHESS - will scan all sections. A modicum of overlap will be no bad thing since neighbours ought to look in on one another now and then!

The contributor of the following article is a senior Israeli master, by profession a psychologist, composer of studies characterised by collision counterplay, and author of the book "Creative Chess" recently published (in Hebrew).

## Check and Counter-Check

 Amatzia AvniAn artistic study needs the element of surprise. A sudden tactical point can open the solver's eyes in disbelief. The counter-checking motif can supply just this dose. One side threatens check. His opponent, instead of taking defensive measures, reacts with an attacking move. We are accustomed to one side being the attacker at a given juncture, so the idea of both sides attacking simultaneously is uncommon and hence surprising.
To concentrate the spotlight on the theme of check and counter-check we have peeled the outer skin off our dozen examples, leaving BTM in many cases. $A l$ shows the simplest case. $A 2$ demonstrates stalemate, a state that has to be avoided in A3. A4, A5 and $A 6$ illustrate counter-checking sacrifices by pieces that were about to be lost anyway, to bring about a favourable position. $A 7$ shows a mechanism interwoven into perpetual motion, but it lacks real interest because the emphasis is more on the technique than the content. This contrasts with $A 8$, where the motif is not a goal in itself but a logical part of the play. We should not be surprised to find enhanced and duplicated examples: $A 9$ incorporates a series of three consecutive checks, while a repetition of a series takes the stage in the course of the solution to A10. Our final pair is characterised by great boldness, the coming counter-check in A11 being not simply foreseen but forced, while in A12 the riposte is mate. To sum up, the counter-check is a useful motif for its element of surprise. It contributes to the study's difficulty,
butin a sudden way that is at the opposite extreme from the difficulty of complexity, and for this reason it contributes to the solver's instantaneous pleasure. In its most artistic form the counter-check is not a goal for its own sake but integrates harmoniously in the play.

A1: If Bc3 + 2.K- Bxf6 3.Ra6 + , so Kb7 2. Ra2!! Bc3 + 3. Rb2 + ! wins. A2: Qf4 + 2. Bf6 + Qxf6 + 3. Sf7 + drawn.
A3: Qxf4 + 2.Qxf6+/i Qxf6+ 3. $\mathrm{Kg} 8 / \mathrm{ii}$, with Qd6 4. Rf7 + or Qd4 4. Re6 + .
i) 2. $\mathrm{Ke} 8 \mathrm{Qa} 4+2 . \mathrm{Kg} 8$ ? $\mathrm{Qf} 7+$.
ii) It is zugzwang.

A4: 1. Qh6 + !/i Rh2 + 2. Qe3 Rh3
(Bxe3 + ; Sxe3 mate!) 3. Sg3 + Rxg3 4.
Rxg1 + Rxg1 5. Qh3 mate.
i) 1. $\mathrm{Kg} 3+$ ? Sxg 3 2. Qxf2 Sf1!!

A5: Bc4 + 2. Qd5 + !! Bxd5 + 3. Kf8/i Kd6 4. b7 Se6 + 5. Ke8 Sc7 + 6. Kd8 Sa6 7. Sc7 Sb8 8. Kc8 Sd7 9. Se8 + Ke7 10. Sf6 wins.
i) Access to b7 is henceforth denied.

A6: 1. d8Q Ba5 + 2. Kb3 Re3 + (Bxd8? Bb5) 3. Qd3 + Rxd5 + 4. Ka4 drawn.
A7: 1. Rf5 + Kg4 + 2. Re5 + Kh5 3. $\mathrm{Bf} 7+\mathrm{Kg} 4$ 4. $\mathrm{Be} 6+\mathrm{Kf} 45$. Rf5 +Kg 4 6. $\mathrm{Ke} 5+$ drawn.

A8: 1.d8Q + Sd5 + /i 2.Re5!!
i) Bxd8 2.Rxd8 + Ke4 3.Re8 + .

A9: 1. $\mathrm{Q} \mathrm{f} 2+\mathrm{Sg} 2+2 . \mathrm{Qg} 1+\dot{\mathrm{Sxg}} 13$. Sf2 drawn.
A10: Rf8 + 2. Qxf8 $+\mathrm{Kg} 6+3 . \mathrm{Kg} 8$ Rh8 + 4. Kxh8 Qh1 + 5. Qh6!! (Kg8? $\mathrm{Q} 8+;$ ) Qxh6 + 6. Kg 8 and B 1 is helpless.
A11: $1 . \mathrm{Qe} 3+\mathrm{Kxe} 3+2 . \mathrm{Rg} 3+\mathrm{K}-$, stalemate, both W's attacking pieces being pinned.
A12: $\mathrm{ab}+2 . \mathrm{Kb} 3 \mathrm{~b} 1 \mathrm{Q}+/ \mathrm{i} 3 . \mathrm{Bb} 2$ mate.
i) bcQ 3.Rxcl mate. Rxa8 3.Bxb2 mate.

Givaat-Shmuel, Israel<br>xi. 89





The composers of A1-A12 were from Israel, Romania, U.S.A. and U.S.S.R. Publications came from Bulgaria, Holland, Israel, Norway, Poland, U.K. and the U.S.S.R.
A1 EG71.4806; A2 EG77.5228; A3
EG98.7636; A4 BCM v. 1978 d4h1

$0434.21 \mathrm{c} 1 \mathrm{~g} 2 \mathrm{~g} 1 \mathrm{f} 1 \mathrm{e} 4 . \mathrm{f} 2 \mathrm{f} 7 \mathrm{~d} 55 / 5+$. A. Avni: 1. f8Q Rxf2; A5 EG82.5833; A6 EG93.5902; A7 409 in TTC; A8 EG70,4714; A9 EG97.7355; A10 EG83.5986; A11 EG88.6451; A12 EG 95.7059.
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## Reviews

Miniatures, by Jan van Reek, 1989, the second in the ARVES series of 64-page publications. A personal selection of smallwares from all sources is primarily just that, to be enjoyed. But the talented author here and there also comments thought-provokingly on the techniques, themes and expressions of style that are feasible when one more chessman is progressively added to the brew, for the little anthology progresses excitingly, chapter by chapter, from the simple 3 -man study to the complex full-blown modern minature.

Encyclopaedia of Chess Endings, Vol. IV, Belgrade, 448 pages, 1989. Queen endings, Included among the 1800 examples are some 200 of the GBR class $\mathbf{4 0 0 0 . 1 0}$ analysed by mortals, with here and there their shortcomings drily noted by Ken Thompson's *C* BEL$L E$. One 1060 example is by BELLE, and a Pospisil of the same class is likewise 'annotated'. No other 5 -man class has been computer-commented, though data bases for 1006, 1033, 4010 and 4010 have, as we know, been generated even before the reporting of Stiller's results in EG98.


Three contemporary composers from eastern Czechoslovakia, from top to bottom:Michal HLINKA (Kosiice, b. 25.x.53), Lubos KEKELY ('ilina, b.25.iv.59) and Ladislav SALAI ('Zilina, b.18.i.61).

Three contemporary composers from the U.S.S.R. Far East, from top to bottom:Vitaly Semyonovich KOVALENKO (Bolshoi Kamen, Primorsky krai), Vladimir KOZHAKIN (Magadan) and Vadim LOVSTOV (Magadan region).

John Roycroft phase2eg. 001

HOW TO PLAY THE GBR CLASS 0023 ENDGAME

Part 5 (final): Phase 2
[For the phases, see EG74. Parts 1-4: EG83, EG84 and EG93.]
In this article we follow a computer session with the data base. The reader will encounter computer output, which generally follows a repetitive pattern, and commentary inserted by the author during either a live session or subsequent editing. The data base was online at Queen Mary and Westfield College, London and was accessed via a SUN $3 / 50$ terminal using UNIX and a user interface developed jointly by AJR and Dr Alen Shapiro at The Turing Institute, Glasgow in 1985.

Script started on Fri Jan 19 12:07:18 1990
Enter a WTM KBBKN position
WK WB WB BK BN
d8a6e7a5b8
Our starting point (R1) is one of the 32 positions that are at maximum depth (ie, 66, with no optimal antecedents within the data base). wK is about to be forced into the a8 corner. wBB will then play a short series of moves to release wK, whereupon the play enters a deep phase 2 - deeper than EG's pages have seen hitherto. Phase 1.

$$
1 . \quad \text { d8a6e7 a5b8 WTM }(66) \quad \mathrm{Bb} 7 \rightarrow
$$

The only move to save the light $B$ and prevent Sc6t. The computer has chosen the single best move Bb 7 and waits for the human to accept or overrule. Here we have the normal case - acceptance. Overruling occurs with W's move 3. Note that the computer uses $N$ for knight, while EG prefers $S$.

| $1 . \mathrm{Bb} 7$ | d | b 7 e 7 a 58 |
| :--- | :--- | :--- | :--- | :--- |
| BTM (65) Kb6 | BK:a5 $\rightarrow \mathrm{b} 6$ |  |

1...Kb6 d8b7e7 b6b8 WTM (65) Kc8 $\rightarrow$

Precisely the same logic - but a move by wK this time.
2.Kc8 c8b7e7 b6b8 BTM (64) Nc6 BN:b8 $\rightarrow$ c6
2...Nc6 c8b7e7 b6c6 WTM (64) Bd6 $\rightarrow$ e7h4

The dark wB will be needed in the h2-g1 'double corner'. One asks why d6 should be a better square than h4 - see later. In this sequence we shall mostly comment on the $W$ (human) choices, to facilitate discussion. The machine's 'reasons' are as yet inaccessible - or incomprehensible: what are we to make of the fact that only the unintelligent machine can pass judgement here on 'intelligent' human choice?! ... The reader's eye can distinguish (on these pages) between the computer's and the human choice by looking for the four-character algebraic notation departure/arrival squares inserted after the $\rightarrow$ input-prompting 'arrow'. This input is optionally inserted by the human operator when the machine pauses, and overrules the computer's choice. The up/down/no-change behaviour of the number within parentheses, which is always the computer's statement of the true, ie 'optimal', depth before the next move, provides another useful clue. In this session with the data base human choice was restricted to moves by $W$, though an optimal move was almost invariably chosen.
3.Bh4 c8b7h4 b6c6 BTM (64) Na7+ BN:c6 $\rightarrow$ a7+

The depth number stayed at 64 after $W^{\prime} s$ last move, telling us that our choice was minimally sub-optimal. An optimal move would have resulted in depth 63 instead of 64.

| 3...Na7+ | c8b7h4 b6a7 | WTM + (64) | Kb8 -> |  |
| :---: | :---: | :---: | :---: | :---: |
| 4. Kb8 | b 8 b 7 h 4 b 6 a 7 | BTM (63) | Nc6+ | BN:a7 -> c6t |
| 4. . . Nc6 $6+$ | b 8 b 7 h 4 b 6 c 6 | WTM + (63) | Ka8 -> |  |
| 5.Ka8 [R2] | a8b7h4 b6c6 | BTM (62) | Kc5/Kc7 | BK:b6 $\rightarrow$ c5 |

5.Ka8 [R2]
5...Kc5
a8b7h4 c5c6 WTM (62)
Ba $6 / \mathrm{Bc} 8 \rightarrow \mathrm{k}$
Yes, we can now see that the immediate wBd6 (on move 3) would have
'squeezed' $B l$ one move sooner, covering the $c 7$ and $c 5$ squares. At least, that seems a reasonable conjecture. By occupying $c 8$ now wBB will be able to blast on adjacent diagonals, which is one of our techniques for driving bK out of the centre. As a friendly feature, when the computer lists (as
it always does where there are any) more than one optimal move for $W$ the human can enter a serial number. By entering 1 in this case the choice would be Ba6, and by entering 2 (as here, see in a jiffy) the choice is Bc8. This feature effectively eliminates a source of fingerslip error. Two other incidental points here are that the letter $k$, used as above, is entered by the user during a live session (ie, not an editing session) to tell the computer that comment text follows, and \# in that text marks the end of the comment. \#2

$$
\begin{array}{llllll}
\text { 6.Bc8 } & \text { a } 8 \mathrm{c} 8 \mathrm{~h} 4 & \mathrm{c} 5 \mathrm{c} 6 & \text { BTM } & \text { (61) } & \mathrm{Nd} 4 / \mathrm{Kd} 6 \\
\text { BK:c5 } & \text { BK d6 } \\
6 \ldots \mathrm{Kd} 6 & \text { a8c8h4 } & \text { d6c6 } & \text { WTM } & \text { (61) } & \text { Bh3/Kb7 } \rightarrow \mathrm{k}
\end{array}
$$

Since wK must advance let's adopt the human-friendly plan of moving wK whenever it looks good, independent of moves by wBB. Bl seems to be under no constraint but is in fact in a dilemma maintaining the wK's prison involves voluntary abandonment of the centre, while if bK centralises then wK emerges. It is now Phase 2. \#2
$7 . \mathrm{Kb} 7$ [R3] $\quad \mathrm{b} 7 \mathrm{c} 8 \mathrm{~h} 4 \mathrm{~d} 6 \mathrm{c} 6$ BTM (60) Ne7 $\quad \mathrm{BN}: \mathrm{c} 6 \rightarrow \mathrm{e} \rightarrow$
7...Ne7 b7c8h4 d6e7 WTM (60) Bg4/Bh3 $->\mathrm{k}$

And here we move an attacked wB either as far as possible lother things being equal) or adjacent to $b S$. The latter rationale not being sensible here, we follow the former. \#2
8. Bh3 b7h3h4 d6e7 BTM (59) Nd5 BN:e7 $\rightarrow$ d5
8...Nd5 b7h3h4 d6d5 WTM (59) Bg2/Bf2 $\rightarrow \mathrm{k}$

Bl has prevented wK from making further advances, so let's play the 'jiggle' technique of covering bK's stay-put oscillation ploy and giving him the move. This won't always work, but it's effective here. The bishops are ideally suited for carrying out this manoeuvre. \#2
9.Bf2 [R4] b7h3f2 d6d5 BTM (58)

Nb4/Nc3/Ne7/Nf4/Nf6/Ke5 BN:d5 $\rightarrow$ f6

$$
\text { 9...Nf6 b7h3f2 d6f6 WTM (58) Bg2 } \rightarrow \mathrm{k}
$$

We could try advancing wK again, but we observe that e4 is worth covering to stop bS checking later, and from g2 wB will exert control over bK's freedom in the centre. This makes us prefer the bishop move. *

$$
\text { 10.Bg2 b7g2f2 d6f6 BTM (57) Nd5/Ng4/Ke5 BN:f6 } \rightarrow \text { g4 }
$$

10...Ng4 [R5] b7g2f2 d6g4 WTM (57) Ba7/Bg1/Bg3+ $->\mathrm{k}$
wB is attacked, but it has a good retreat. A'far-apart' principle works because it rules out bS harassing wBB on successive moves, one $B$ being within the protective zone of wK. \#1
11.Ba7 b7g2a7 d6g4 BTM (56) Nf6/Ke5 BN:g4 $\rightarrow$ f6
11...Nf6 b7g2a7 d6f6 WTM (56) Ka6/Kb6 $\rightarrow \mathrm{k}$

Now wK's moment has come - marching orders: wBB are far apart, they either control the centre or are ready $(\mathrm{Bb} 8+)$ to do so, and do not obstruct the central squares. So wK has freedom of choice and can head for d4, for example. \#2
12.Kb6 [R6] b6g2a7 d6f6 BTM (55) Ke5 BK:d6 $\rightarrow$ e5
$12 \ldots$ Ke5 b6g2a7 e5f6 WTM (55) Kb5/Kc5 $\rightarrow \mathrm{k}$
We observe bS on f6 eyeing e8 and h5, with a g7 K\&H in sight. But wBB are not yet placed to drive bK into that corner, so it is time to regroup. By the same token we must be prepared for bS to make a nuisance of himself. bK , though, has nowhere good to aim for. It seems that in phase 2 bS often occupies a square on one of the two longest diagonals. This hints at a defensive strength of symmetry, for if it's good (for Bl) to play to one side of the diagonal it's likely to be good to play to the other. This means that $W$ has somehow to be prepared for both possibilities. \#2
13.Kc5 c5g2a7 e5f6 BTM (54) Ne4+ BN:f6 $\rightarrow$ e4+
13...Ne4+ c5g2a7 e5e4 WTM+ (54) Kc4 $\rightarrow$ k
wBB covering $c 5, f 2$ and $c 6, f 3$ is good news for wK, who might
otherwise face an embarrassing checking sequence from bS. \#
14.Kc4 c4g2a7 e5e4 BTM (53) Nd6+ BN:e4 $\rightarrow$ d6+
14...Nd6+ c4g2a7 e5d6 WTM + (53) Kd3 $\rightarrow$
15.Kd3 d3g2a7 e5d6 BTM (52)

BN:d6 $->$ fl
$\mathrm{Nb} 5 / \mathrm{Ne} 8 / \mathrm{Nf} 5 / \mathrm{Nf} 7 / \mathrm{Ke} 6 / \mathrm{Kf} 4 / \mathrm{Kf5} / \mathrm{Kf} 6$
BN:d6 $\rightarrow$ f7
wK has evaded the checks by a brief outflanking march. The relationship of $w K$ and $b S$ at this moment is useful to remember. It is also worth noting that wK takes over from the light $B$ the duty of covering e4, so that a
'hole' will not be left for $b K$ to occupy. Such holes for $b K$ towards the centre are especially important to cover.

$$
\text { 15...Nf7 d3g2a7 e5f7 WTM (52) Bb8+ } \rightarrow \text { k }
$$

Bl's wide choice of equi-optimals (on move 15) is tentatively explained by $W$ having to reorganise to make progress, and Bl having no moves to improve his position. The check on b8 is in line with a hemming-in policy, indeed formula, with another check on h3 as a possibility (but bSg5 will stop this if $W$ allows the time, which he may have to in order to cover the d5 square with his K).
16. Bb8+ d3g2b8 e5f7 BTM+ (51) Nd6 BN:f7 $\rightarrow$ d6
16...Nd6 [R7] d3g2b8 e5d6 WTM (51) Bc6 $\rightarrow$ k

The voluntary interposition was a surprise, but it is useful for Bl in preventing wK from an immediate advance. On d6, too, bS is closer (in time, or 'S-space') to the $K \& H$ sanctuaries on $b 7$ and $g 7$ that it was on $f 7$. Note that Bl has only two men, which works to his DISadvantage when he is forced by the Laws of Chess to move one of them. It's a positive ADvantage, however, if he is heading for a specific set-up, since he has only two men to manoeuvre while $W$ has three, and the Laws do not permit consecutive moves by the same side! Here we need a tempo move for $W$, and the rule-of-thumb (proposed earlier) to play a $B$ adjacent to bS can be applied. It may also be useful to $W$ to cover both e8 and e4. *
17.Bc6 d3c6b8 e5d6 BTM (50) Ke6 BK:e5 $\rightarrow$ e6
17...Ke6 d3c6b8 e6d6 WTM (50) Ba4 $\rightarrow$ k
$W$ takes advantage of the fact that $b K$ has just been forced to make an off-centre move (and is still tied to the defence of bS), to make an improving move creating a latent 'box' on de56 ( $\mathrm{Bb} 3+$ ). The geometry of the board combined with the geometry of the bishop's move make it necessary for a $B$ to spend two moves to travel from one side of the board to the other - so it is important for $W$ to choose a time to do this when $B 1$ is relatively passive. To play Kd3-d4 would revive bS's activity before the light wB was ready: the consequence would be a latent hole at $d 5$ for $b K$, thus:

Kd4, Sf5+;Ke4, Sd6+;Kf4.
The checks would be at an end, but what would $W$ do about d5? The point is that the $B$ that gives the shove to bK (with a check) always leaves a square of its own colour unguarded and this guard duty can be undertaken only by wK.

## 18.Ba4

 d3a4b8 e6d6 BTM (49) Kd5 BK:e6 -> d5$18 \ldots$ KdS [R8] d3a4b8 d5d6 WTM (49) $\mathrm{Bb} 3+\rightarrow$
19. $\mathrm{Bb} 3+\quad$ d3b3b8 d5d6 BTM + (48) Kc6 $\quad$ BK:d5 $\rightarrow$ c6
19...Kc6 [R9] d3b3b8 c6d6 WTM (48) Ba7 $\rightarrow$ k

We have not exactly been outsmarted, but it's a b7 K\&H we shall be faced with, not a g7 one! And the de56 box was only latent, ruling out bke5. Note that bKc5; Ba7+, Kb4; was possible, but not optimal because bK will have been enticed off-centre, leaving space for wK to consolidate his occupation thereof. Another way of looking at it is to say that bK takes two moves away from the centre to attack wB, but the latter needs (in general) just one to take up a useful post, Bl thereby losing both time and space. Note how bS takes up - is somehow forced to take up - room that bK would like to have. Another important weapon in our mental armoury is that we do not need to drive Bl into a specific corner of our choice: simply driving him out of the centre will force him to make the choice himself. What price free will?! This choice will always be a K\&H (phase 3) position with the computer playing the $B l$ side, which in a very real sense makes playing the computer easier (when one has experience of all phases) than playing against a human. With a human opponent there is always the 'danger' that we shall face a 'phase $4^{\prime \prime}$ position. It is this that makes phase 2 so tricky, because it so often closely resembles phase 4. To be able to distinguish phase 2 from phase 4 is the major remaining challenge to the full understanding of this whole endgame. In future it may be useful to program the selection of a sub-optimal move to make matters more difficult - but only for a human opponent, since the notion of difficulty relates solely to (human) psychology.
20.Ba7
d3b3a7 c6d6 BTM (47)
$\mathrm{Nb} 7 / \mathrm{Nc} 8 / \mathrm{Nf} 5 / \mathrm{Kb} 7 \mathrm{BN}: \mathrm{d} 6 \rightarrow \mathrm{~b} 7$

| 20... Nb 7 | d3b3a7 | c6b7 WTM (47) | Kd4 4 k |  |
| :---: | :---: | :---: | :---: | :---: |
| This position, | R10, is | poised between | phases 2 and 3. | * |
| 21.Kd4 | d4b3a | c6b7 BTM (46) | Nd6 BN:b7 | $\rightarrow$ d6 |
| 21...Nd6 | d4b3a | c6d6 WTM (46) | $\mathrm{Ba} 4+/ \mathrm{Bd} 5+/ \mathrm{Ke} 5$ | $\rightarrow 1$ |
| 22.Ba4+ | d4a4a | c6d6 BTM $+(45)$ | Kc7 BK:c6 | $\rightarrow c 7$ |
| 22...Kc7 | d4a4a | c7d6 WTM (45) | Kd3 $\rightarrow$ - $k$ |  |

A very nice pair of traps avoided! wKc5?? Sc8; drawn, because wBa7 has no moves, while wKd5?? Sc8; is just as drawn because of the fork on c6 after wBa7 moves away. wKe5 also looks bad because of Sc 4 ; and Sb 6 ; but I admit I can't be sure of the depth here. Well, maybe wKe5, Sc $4+; \mathrm{Kd} 4$ ! is the only...... Humm... THREE traps! wKe5?? Sc4t; and Sb6; and bKb7; drawing again! The position is well worth our last diagram (R11).*
23.Kd3 d3a4a7 c7d6 BTM (44) Nb7/Nf5 BN:d6 $\rightarrow$ fS

$$
\text { 23...Nf5 d3a4a7 c7f5 WTM (44) Bc5 } \rightarrow k
$$

The $B$ must emerge, but as this is, optimally speaking, unique we interpret the choice of c5 by the need to stop bSf5-e7-c6. On c5 wB covers e7. And bKd6 had to be stopped. \#

$$
\begin{array}{llllll}
24 . \text { Bc5 } & \text { d3a4c5 c7f5 BTM } & (43) & \text { Nd6 } & \text { BN:f5 } \rightarrow \text { d6 } \\
24 \ldots \text { Nd6 } & \text { d3a4c5 c7d6 WTM } & (43) & \text { Bd4/Be3 } \rightarrow k
\end{array}
$$

Flavour of tempo again, as $f 2$ is eschewed.... I do not claim to understand
it. We are now solidly in phase 3 and give the remaining play in an
optimal line - to allay curiosity - observing only that wBa4, well placed
as it is (covering $c 6$, a 'phase 2 square' for $b S$ ) is poorly placed for
making tempo moves since on e8 it would be vulnerable. Tempoing has to be
the responsibility of the other wB. \#1

26...Nd8 c4a4d4 c7d8 WTM (41) Bf2 $\rightarrow$

A couple of moves later than anticipated. *
27.Bf2 c4a4f2 c7d8 BTM (40) Nb7 BN:d8 $\rightarrow$ b7
27...Nb7 c4a4f2 c7b7 WTM (40) $\mathrm{Bg} 3+/ \mathrm{Kb} 4 \rightarrow \mathrm{k}$
wKb4 would yield the recommended exit christened '90-degree side-prise'
(see EG83). 1
28.Bg3+ $\quad \mathrm{c} 4 \mathrm{a} 4 \mathrm{~g} 3 \mathrm{c} 7 \mathrm{~b} 7 \mathrm{BTM}+(39) \quad \mathrm{Kb} 6 \quad \mathrm{BK}: \mathrm{c} 7 \quad \rightarrow \mathrm{~b} 6$
28...Kb6
29.Kb4
29...Nd8

Phase 4. \#
30.Bf2+
30...Kc7
c4a4g3 b6b7 WTM (39)
b 4 a 4 g 3 b 6 b 7 BTM (38)
b 4 a 4 g 3 b 6 d 8 WTM (38)
Kb4 ->
$\mathrm{Nd} 8 \quad \mathrm{BN}: \mathrm{b7} \rightarrow \mathrm{~d} 8$
Bf2+ ->
b4a4f2 b6d8 BTM + (37)
b4a4f2 c7d8 WTM (37)
Kc7 BK:b6 -> c7
31. Kb5
b5a4f2 c7d8 BTM (36)
b5a4f2 c7e6 WTM (36)
b5d1f2 c7e6 BTM (35)
32...Kd7 b5d1f2 d7e6 WTM (35) Bg3 $\rightarrow \mathrm{k}$

Kb5 ->
Ne6 BN:d8 $\rightarrow$ e6
Bd1/Bg3+ -> 1
Kd7 BK:C7 $->$ d7
$\mathrm{Bg} 3 \rightarrow k$
Besides this move there are three others that keep play in phase 4: wKb6, Bb 3 and Bel.
All others drop back, snakes-and-ladders fashion, to an earlier phase generally phase 2. If in a phase 4 position there is just a single $W$ move that 'maintains the phase' then this shows how close to a draw the 0023
class ending is. There are such positions. \#
33. $\mathrm{Bg} 3 \quad \mathrm{~b} 5 \mathrm{~d} 1 \mathrm{~g} 3 \mathrm{~d} 7 \mathrm{e} 6 \mathrm{BTM}$ (34) $\mathrm{Nd} 4+$
33...Nd4+ b5dlg3 d7d4 WTM+ (34) $34 . \mathrm{Kc} 5$ C5d1g3 d7d4 BTM (33) 34...Nf5 35.Bel $\quad$ c5dle1 d7f5 BTM (32) 35...Ke6 c5dle1 e6f5 WTM (32)
$36 . \mathrm{Bc} 3$
36...Ne3
37. Bf 3
37...Kf5
38. Bc6
38...Nf1
39.Kd5
c5dlc3 e6f5 BTM (31)
c5d1c3 e6e3 WTM (31)
$c 5 f 3 c 3$ e6e3 BTM (30)
c5f3c3 f5e3 WTM (30)
c5c6c3 f5e3 BTM (29)
c5c6c3 f5f1 WTM (29)
d5c6c3 f5f1 BTM (28)

Nd4+ BN:e6 $\rightarrow$ d4+
Kc5 ->
$\mathrm{Nf} 5 \quad \mathrm{BN}: \mathrm{d} 4 \rightarrow \mathrm{f} 5$
Bel/Be5 $\rightarrow 1$
$\begin{array}{lll}\text { Ke6 } & \text { BK: d7 } & -> \\ \text { e6 } 6\end{array}$
Bc3 ->
Ne3 BN:f5 $\rightarrow$ e3
Bf3 ->
K£5
Bc 6 ->
Nf1/Ke6 BN:e3 -> f1
Kd5 ->
$\mathrm{Ng} 3 \quad \mathrm{BN}: \mathrm{fl} \rightarrow \mathrm{g} 3$


${ }^{\prime}$ *C* WTM R11


## DIAGRAMS AND SOLUTIONS



No.7900: D.Gurgenidze. 1.Kd6 Bc6 2.Rf8 Rxf8 3.Kxc6 Kf5 4.Kc7 Rf7 + 5.Kb8, since bK blocks bR's route to f1 and Ke6 6.Ka8 wins.


No.7901: N.Mansarliisky (Odessa region). 1.Kc4 e3 2.Kxd5 e2 3.c7 Kb7 4.Kd6 elQ (elR; Ba2) 5.Be4 + Qxe46.c8Q + Kxc8 stalemate.

No.7902: V.Shkril (Belgorod). 1.c5 Rxb5 2.Kg4 Rb4 3.c7 Rxd4 + 4.Kh5 Rd8 $5 . c 6$ wins.


No.7903: L.Togokhu (Mongolia). 1.Qh7+ Kb8 2.Qg8+ Ka7 3.Be3+ Qxe3 4.Qxa2+, with: Kb6 5.Qxf2 Qf2 stalemate, or Kb8 $5 . \mathrm{Qg} 8+\mathrm{Kc} 76 . \mathrm{Qg} 3+\mathrm{Qxg} 3$ stalemate.

No.7904: D.Ustimovich (Novosibirsk). 1.Bf7 Rf4 2.Bxc4+ Rxc4+ 3.Kb5 Rf4 4.Bd6 Rd4 5.Bc5 Rd5 6.Ka4 and Rc5 stalemate, or Kb2 7.Bb6.


No.7905: D.Gurgenidze. 1.Rd2 Kg8 2.Kg4 Kh7 3.Kh5 Kg7 4.Kg5 Kh7 5.Kf6 wins. Now wK reaches c 4 before bK reach e3. DVH: a neat miniature.


No.7906: N.Ryabinin (Tambov region). 1.Sf5+ Kf2 2.Bxd2 Rh8+ 3.Bh6 Bxh6 4.Sh4 Bf4 5.Rc2+ Kf1 6.Rf2+ Kxf2 stalemate.
 Yugoslavia award booklet: ?.vi. 89


No.7907: V.Kondratev and A.G.Kopnin (USSR). There were 20 entries judged by Franjo Vrabec (Ivanich Grad, Yugoslavia). The award is in a multigenre Makedonian award booklet that also announces the next Solidarity tourney. 1.Bf5 (Kg7? Kd5;) Rd8 2.Kg6 Rd6 3.Bc2/i Kd7 4.Kf7 Kc6 5.Kg6 Kd5 6.Kf5 Kc6 7.Kg6 Kc5 8.Bb3/ii Kc6 9.Bc2 Re6 10.Kf7 Rd6 11.Kg6, drawn.
i) 3.Bc8? Kd5 4.Kf5 Rb6 5.Bd7 Kd6 wins.
3.Bh3? Kd5 4.Kf5 Kd4 will win. 3.Be4+? Kc5. 3.Bb1? Kd5 4.Kf5 Ra6.
ii) 8.Ba4? Rd4 9.Bc2 Rd2 10.Bf5 Rd6 11.Bc2 Kd4 12.Kf5 Ra6 wins.


No. 7908: Jan van Reek (Holland). 1.Ra7+/i Sxa7 2.Sd4 elS 3.Kf5 Sh4 + 4.Kg4 Sg6 5.Kf5 Sf8 6.Sb3+ Ka2 7.Sc5 Ka3/ii 8.Kf6 Kb4 9.Kg7 drawn. i) 1.Sa3? $\mathrm{cSe} 5+2 . \mathrm{Kh} 3 \mathrm{Sxf} 7$ $3 . \mathrm{Sc} 2+\mathrm{Kb} 24 . \mathrm{Se} 1 \mathrm{Kc} 1$ wins easily. 1.Sd4? Sd4 2.Ra7 Kb2 3.Rb7 Sb3.
ii) Sg 2 8.Kf6 Sh4 $9 . \mathrm{Kg} 5 \mathrm{Sf} 3$ 10.Kh6 Se5 11.Kg7.


No. 7909: Per Olin (Finland) 1.Qb8/i Qa8/ii 2.Qb2 Qa1 3.Sf6+ Kg 7 4.Sxh5+ Kh7 5.Sf6+ Kg7 6.Se8+ Kg8/iii 7.Qb3+ d5 8.Qb8 Qa8/iv 9.Sf6+ Kg7 10.Bh6+ Kxh6 11.Qh2+/v Kg5 12.Qg3+ Kh6 13.Qh4+ Kg7 14.Qh7 mate.
i) $1 . \mathrm{Sf} 6+? \mathrm{Kg} 72 . \mathrm{Qb} 8 \mathrm{~d} 5+3 . \mathrm{Bd} 6$ Qa8.
ii) $\mathrm{d} 5+2 . \mathrm{Sd} 6+\mathrm{Kh} 73 . \mathrm{Kf} 7$.
iii) Kh7 7.Qxc2 Qh8 8.Qh2+ Kg8 9.Sf6+ Kg7 10.Qxh8+ Kxh8 11.Kf8 and wB mates.
iv) Qa3+ 9.Sd6+ Kh7 10.Kf7.
v) $11 . \mathrm{Qf} 4+? \mathrm{Kg} 712 . \mathrm{Sh} 5+\mathrm{Kh} 7$ draws.

No. $7910 \quad$ A. Gillberg
(Yugoslavia)


No. 7910: Anders Gillberg
(Sweden). 1.Sb4/i Se4+/ii 2.Kf4 Rd6/iii 3.Sxd5 Rxd5 4.Sf6 Sxf6 stalemate.
i) 1.Sxf6? Rxa6 2.Sxd5 Ra5.
ii) Sh7 + 2.Kf5 Rd6 3.Sc5 Ke3 4.Ke5. iii) Rc4 3.Se5 Rd4 4.eSd3 + Ke2 5.Ke5.

No. 7911: Anders Gillberg, Axel Ornstein and Bo Lindgren (Sweden). Judge: Lars Falk (Sweden), who has advised by private communication that this is the final award. $1 . \mathrm{Rg} 2+\mathrm{Kh} 82 . \mathrm{Sf} 8 / \mathrm{i}$


Bxf8 3.Bd4+ Kh7 4.Bd3+ Kh6 5.Be3+ Kh5 6.Be2+ Kh4 7.Bf2+ Kh3 8.Bf1 Rxc5+ 9.Bxc5 Kh4/ii 10.Bf2+ Kh5 11.Be2+ Kh6 12.Be3+ Kh7 13.Bd3+ Kh8 14.Bd4+/iii Bg 7 15.Rh2+ Kg8 16.Bc4+ Kf8 17.Rf2+ Ke8 (Ke7;Bxg7) 18.Re2+ Kd8 19.Bxb6, winning, but not 18. Bb5+? Kd8 19.Bxb6+Kc8 20.Вха7 a2.
i) 2.Bd4+? Kxh7 3.Bd3+ Kh6 4.Be3+ Kh5 5.Be2+ Kh4 6.Bf2+ Kh3 7.Bf1 Rxc5+ 8.Bxc5 a2. ii) a2 $10 . \mathrm{Rg} 7+\mathrm{K}-11 . \mathrm{Rxa} 7$. iii) $14 . \mathrm{Rh} 2+$ ? Kg 8 15.Bc4+ Kg 7 16.Bh6+ Kf6 17.Bxf8 a2.


No. 7912: A. Maksimovskikh and I.Krikheli (U.S.S.R.). 1.d6/i Rf2+/ii 2.Kg1/iii Rd2 3.d7 Rd1+ (Rxd7;Bc8) 4.Rel/iv, and either: Rxel+ 5.Kf2 Rd1 6.Bf3+ Kf5 7.Bxd1, or Rd3 5.Bc6/v Kg3 6.Rf1 Be6 7.Rf3 + Rxf3 8.d8Q.
i) 1.Bc8+? Kh4 2.d6 Bd5 3.Rh8+ Kg5 4.Bh3 Rh1+ 5.Kg3 Be6 drawn.
ii) Rd1 2.Bc8+ Kf4 3.d7 Bd5 4. $\mathrm{Rf} 8+\mathrm{Kg} 45 . \mathrm{d} 8 \mathrm{Q}+$ wins. iii) 2.Kh1? Kg3 3.Kg1 Rd2 4.Kf1 Rxd6.
iv) 4.Kf2? Rxd7 5.Bc8 Be6 6. Rxé6 Rd5 7.Rd6 + Kh4 8.Rxd5 stalemate. v) 5.Bc8? Kg3. 5.Ba6? $\mathrm{Rg} 3+$ 6.Kf2 Rf3+ 7.Ke2 Rf8 8.Kd3 Rd8 9.Bc8 Bf7 10.Re7 Bg6+ 11.Kc4 Bf5 12.Re8 Rxd7 drawn.

DVH: "My choice for 1st Prize. No static men, a nice surprise move, and counterplay."


No.7913: A. Gillberg. 1.Re1/i Sc2 (Sb3;e7) 2.Re4+/ii Rxe4 3.fe Se3 4.e7/iii, and Sg4 5.Kf7, or Sc4 5.Kd7 wins.
i) 1.Re4+? Rxe4 2.fe Sb 3 3.e7 Sc5 4.e5 Se6, and 5.Kf7 Sc7, or 5.Kd7 Sg7, drawn. 1.Re2? Rxf3 drawn. 1.e7? Kxe3 2.Kd8 Kxf3 3.e8Q Sb3 drawn.
ii) 2.e7? Sxe1 3.Kd8 Sxf3 4.e8Q Kd3 drawn. 2.Rd1+? Kc3 3.e7 Rxf3 4.Kd8 Re3 drawn. 2.Rc1? Sxa3 3.e7 Rxf3 4.Kd8 Re3 drawn.
iii) 4.Kf8(f7)? Sc4. 4.Kd7(d8)? Sg4.


No.7914:
Em.Dobrescu
(Romania). 1.c7 Rc2 2.Bf3+ Kh6 3.Rh3+ Sh5 4.Rxh5+ Kg6 5.Be4+ Kxh5 6.Bxc2 bc 7.c8Q e2 8.Kh7, with: elQ 9.Qh3 + Bh4 (Qh4; g4 mate) 10 . Qf5 +Bg 5 11. Qf3 +Kh 4 12. Qh3 mate, or clQ 9.Qh3 Bh4 10.Qf5 + Qg5 $11 . \mathrm{g} 4$ mate.

Eliminated for unsoundness. Could the flaw be $8 \ldots$, elS, perhaps?


Bb6 8.g8S+, drawn, Kg5 9.Se7 Bc5 10.Ke8 Bb3 11.Se1 Kf6 12.Sc6 Ba4 13.Kd7 Bb5 14.Sf3, or Kxg 4 4.Se3+ (Sf6+? Kg5;) Kf3 5.Sc4 Bxh7/iv 6.Se5 Kf4 7.Sg6 Kf5(g5) + 8.Sf8, drawn.
i) $1 . \mathrm{Se} 3$ ? Bxf5 2.Sf6+ Kg 5 3.fSd5 Bc 2 4.Sc3 $\mathrm{Bb} 3+5 . \mathrm{Ke} 8 \mathrm{Ba} 5$ 6.Sd1 Bxd1 7.Sxd1 Kf4 wins. 1.Sf6+? Kg5 2.h4+ Kxf5 3.Se3+ Kf4 4.fSd5+ Kf3 5.h5 Ba2.
ii) Kh6 2.Se3 Bxf5 3.Sxf5 + Kxh7
4.Se3 drawn. Bb6 2.Bg4+ Kh6 3.Bd1 Kxh7 4.Kf6. Kh4 2.Se3 Bxf5 3.Sxf5+ Kxh3 4.Se3 iii) 4.Sf8? Bxc2 5.Se6 Ba5 6.g5+ Kh5, and 7.Kf6 Bc3+ 8.Kf7 Bb3 9.g6 Kh6, or $7 . \overline{\mathrm{S} d} 4 \mathrm{Bg} 6+8 . \mathrm{Kf} 6$ Bc3.
iv) $\mathrm{Ba} 2+6 . \mathrm{Ke} 8 \mathrm{Bc} 77 . \mathrm{Kd} 7$ drawn.
 f3,

$\qquad$



No.7915: A.Lewandowski (Poland). 1.h3/i d1Q/ii 2.Bg4+ Qxg4 3.hg+, with: Kh6 4.g5+/iii Kh7 5.g6 + Kh6 6.g7 Ba2 7.Kf8




No. 7917: the late Axel Akerblom. 1.Rb3+ Kc7 2.Rb4 Sc3+ 3.Kal Se3 4.Rc4+ Sxc4 stalemate. The question has to be asked: does Bl really have no winning chances with his doubled eP's?


No. 7918: Julien Vandiest (Belgium) 1.Bd5 Qf8 + 2.Kb5 Kc7
3.Qb6+ Kd7 4.Qa7+ Kd8 5.Qb8+ Ke7 6.Qe5+ Kd7 7.Bc6+ Kc8 8.Be8 Qg8 9.Kb6 Qg1+ 10.Ka6 Qd1 11.Bb5 Qd3 12.Qe8+ Kc7 13.Qe7+ Kc8 14.Bc6 Qd4 15.Bb7+ Kb8 16.Qe8+ Kc7 17.Qc8+ Kd6 18.Qd8+ Ke5 19.Qh8+ wins. The composer supplies two sheets of supporting analyses of, i.a., 1.Qc8+? 3.Qc6+? 7.Be6+? 8.Qe6+? 9.Qe7? 9.Kc6? 9.Ka6? 12.Qc5+? and 14.Kb6?,


No.7919: Emilian Dobrescu and Virgil Nestorescu (Romania). Judge: Beat Neuenschwander, the Swiss columnist. 1.Qe2+/i Kh4/ii 2.Qe1+ (Sxe4? Qg7+;) Kg4 3.Bd7+ (Sxe4? Qh3+;) Kf4 4.Qf1+/iii Ke5/iv 5.Sd3+ Kd4 6.Qa1+ Sc3 7.Bf5 Qg8+ 8.Kf3 Qg7 9.Kf4/v Qh6+ $10 . \mathrm{Kg} 4$ $\mathrm{Qg} 7+/ \mathrm{vi}$ 11.Kf3, and Be7 12.Qa7 mate, or Qe7 12.Qg1+, winning.
i) 1.Qd1+? Kf4 2.Qfl+ Ke3 3.Qd3+ Kf4 4.Se6+ Kf5 5.Qxd5+ Qe5 6.Qxe5+ Kxe5 7.Sxf8 Sd2 8.Ba4 Kd4 and bKc3 drawing.
ii) Kf5 2.Qf1+ Ke5 3.Sd3+ Kd4 4.Qa1+ Sc3 5.Bg6. Kf4 2.Sd3+ Kg 5 3.Qe3+ Kf5 4.Qf4+. Kg5 2.Qe3+ Kf5 3.Bd7+ Kg6 4.Sxe4 de $5 . \mathrm{Qxe4}+\mathrm{Kg} 5$ 6.Qg4+ Kh6 7.Qh4+ Kg7 8.Qd4+ Kh7 9.Bf5+ Kg8 10.Be6+ Kh7 11.Qe4+ Kg7 12.Qg4+ Kh6 13.Qh4+ Kg7 14.Qg5.
iii) 4.Qc1+? Ke5 5.Sd3+ Kf6. 4.Se6+?Ke5 5.Qal+ Sc3 6.Qa7 Qg7+ 7.Kf1 Qf7+ 8.Kel Kf6 drawn.
iv) Ke3 5.Qc1+ Kd4 6 Se6+, and Kd3 7.Ba6 mate, or Ke5 7.Qf4 mate. Kg 5 5.Se6+ and Kg 6 6.Sxf8+, or Kh6 6.Qh1+.
v) Claimed as "reciprocal zugzwang", but DVH says: "Nothing of the sort, for WTM wins with wKf3". 9.Sf4? Qh6, and 10.Qe1+ Kc5, or 10.Qa7+ Ke5.
vi) Ke3 11.Qg1+ Kd2 12.Qc1+ Ke2 12.Qe1 mate.
"An introductory decoy by wB is followed by a disarming triangulation by wK." DVH: An example of focal play - Qg7 ties bQ to guarding gl and a 7 .

No. 7920: Jan van Reek (Netherlands). 1.Kb7/i Sa8/ii $2 . S d 3 / \mathrm{iii}$ Rd8 3.Sc5/iv Rh8/v 4.Sd7/vi Kd6 5.Sf6/vii Rd8/viii 6.Se4+/ix Kd5 7.Sc5/x Rh8 (Rd6;Sd3) 8.Sd7 Kd6 9.Sf6 Rd8 10.Se4+ Ke5

11.Sd6/xi Kd5 12.Sc8 Kc5 13.Kxa8 Rxc8+ 14.Kb7 drawn.
i) 1.Kb8? Kc6, and $2 . \mathrm{Sb} 7 \mathrm{Rd} 4$ 3.a8Q Sxa8 4.Kxa8 Kb6 5.Kb8 Kxa6 6.Sc5+ Kb6 7.Se6 Rd6, or 2.a8Q+ Sxa8 3.Sb7 Rd4 4.Ka7 Sc7 5.Sd8+ Kb5 wins..
ii) Kxc5 2.Kxc7 Rxa6 3.Kb7.
iii) 2.Kxa8? Kxc5 3.Kb8 Kb6 4.a8S+ Kc6 5.Sc7 Rd8+ 6.Ka7 Rd7 7.Kb8 Rxc7 8.a7 Rb7+. 2.Sb3(a4)? Rd7+ 3.Kxa8 Kc6 4.Sa5+ Kb6 5.Sb7 Kc7 wins.
iv) 3.Sb4+? Kd6 4.Sd3 Rd7+ 5.Kb8 Rh7. 3.Sf4+? Kd6 4.Sd5 Rd7+ 5.Kxa8 Kc6 6.Sb4+ Kb6 wins.
v) Kd6 4.Se4+ Kd5 5.Sc5.
vi) 4.Sd3? Kd6 5.Sc5 Rh7+ $6 . \mathrm{Kxa8} \mathrm{Kc} 6$ wins.
vii) 5.Sb6? Rh7+ 6.Kxa8 Kc6 7.Sc8 Kc7. 5.Sb8? Rh7+ 6.Kxa8 Kc7 7.Sd7 Rh8+ 8.Sb8 Rh1 9.Sd7 Rd1 10.Sb8 Kb6. 5.Sc5? Rh7+ 6.Kxa8 Kc6. 5.Sf8? Rg8 6.Sd7 Rg7 7.Kxa8 Kc6 8.Sf6 Rf7. Bl wins in all cases.
viii) Ke6 6.Sd7 Kd6 7.Sf6.
ix) 6.Sd5? Kc5 7.Se7 Rd7+ 8.Kxa8 Rxe7 wins. 6.Se8+? Kc5 7.Sc7 Rd7 8.Kxa8 Kb6 wins.
x) 7.Sf6+? Kc5 8.Se4+ Kb5 9.Sc3+ Ka5 10.Se4 Rd7+.
xi) 11.Sc5? Kd5 $12 . \mathrm{Sd} 3 \mathrm{Kd6}$
13.Sc5 Re8 14.Sd3 Re7+ 15.Kb8 Rd7 16.Sb4 Kc5 17.Kxa8 Kb6 wins.
"The road to draw is full of pitfalls, but wS displays incredible activity. wK starting in check is a minor flaw." The prolongation of the solution by exploring repetition has the disadvantage (if 'length of solution' is seen as a merit) of artificially extending the length, but the practical advantage of reducing the number of notes.


No.7921: N.Micu (Romania). 1.Sf5+/i Ke4/ii 2.Rxd5 Rg8+ 3.Kc7 Sb4 4.Rxc5/iii Sa6+ 5.Kc6/iv Rc8+ 6.Kb6 Rxc5 7.Sg7/v Rc7/vi 8.Sh5 Rc8 9.Sg7/vii Rc7 10.Sh5, drawn.
i) 1.Rxd5? $\mathrm{Sb} 7+2 . \mathrm{Kc} 7 \mathrm{Rxg} 7+$ 3.Rd7 Rxd7+ 4.Kxd7 Kxf4 5.e4 Ke5 wins.
ii) Kxf4 2.Rxd5 Rg8+ 3.Ke7 draws.
jii) 4.Rd4+? Kxf5 5.Rxb4 Sa6+.
iv) 5.Kb6? Sxc5 6.Sd6+ Kd4 7.e3+.
v) $7 . \mathrm{Se} 7$ ? Rc2 $8 . \mathrm{Kxa6} \mathrm{Rc} 79 . \mathrm{Sg} 8$ Kxf4. 7.Sg3+? Kxf4 8.Sf1(h1) Rc2 9.Kxa6 Rxe2. 7.Sd6+? Kd5 8.Sb7 Rc6+.
vi) Rc8 8.Kxa6 Rg8 9.Sh5 Rg6+ 10.Kb5 Kf5 11.e3 Kg4 12.f5 draw.
vii) 9.f5? Kxf5 10.Kxa6 Kg5 11.Sg3 Kf4.
"A very nice positional draw."


No. 7922: D.Probst (Sutz, Switzerland). 1.f6+ Kg8 2.f7+/i Kf8 (Kg7;Sf5+) 3.Sd5/ii $\quad \mathrm{Bg} 3 / \mathrm{iii}$ 4.Sf6/iv Bd6 5.Sh7+Kg7 6.Kxd6 Kxf7 7.Sg5+ Kg8/v 8.Bc4+ Kh8 9.Ke7 a2 10.Kf8 f1Q+ 11.Bxf1 a1Q 12.Sf7+ Kh7 13.Bd3 mate. i) 2.Sd5? Bxf6, whereupon 3.Sxf6+ loses (bKh8), and 3.Kxf6 too: a2 4.Se7+ Kf8, though 3.Sb4 draws.
ii) 3.Sf5? Bf6. 3.Sc4? Be7 4.Se5 Bb4.
iii) a2 4.Sb6 f1Q 5.Bxf1 alQ 6.Sd7+ Kg7 7.f8Q+ Kg6 8.Se5+ Kh5 9.Be2+ Kg5 10.Qf5 + Kh6 11.Qg6 mate. Kg 7 4.Sf4/vi a2
(Bg3;Ke7) 5.Sg6 flQ 6.Bxf1 a1Q 7.f8Q+ Kxg6 8.Bd3+ Kh5 9.Qf3+ Kh6 10.Qf4+ Kh5 11.Be2+ Kg6 12.Qg4+ Bg 5 13.Qh5+ Kg7 14.Qxg5+ Kh8 15.Qh6+ Kg8 16.Bc4 Qc3 17.Bd5 Qg7 18.Kd6+ Kf8 19.Qf4+ Ke8 20.Qe3+ Kf8 21.Qf2 + Ke8 ${ }^{\circ}$ 22.Bc6+ Kd8 23.Qb6+ Kc8 24.Qa6+ and 25.Qa8 mate.
iv) 4.Se7? Bd6 5.Sg6+ Kg7 6.Kxd6 Kxf7 7.Se5+ Kg7.
v) Kf8 8.Se6+ followed by $9 . \mathrm{Sd} 4$ and $10 . \mathrm{Sc} 2$. Kf6 $8 . \mathrm{Se} 4+\mathrm{Kg} 7$ 9.Sc3. Kg 78 8.Se6+ Kf6 9.Sd4 a2 $10 . \mathrm{Sc} 2 \mathrm{Kg} 5$ 11.Ke5 Kg4 12.Ke4 Kg3 13.Bf1. Ke8 8.Bb5+ Kf8 9.Se6+ Kf7 10.Sd4, winning in all cases.
vi) 4.Sb6? Bg3 5.Sd7 (or Ke7) Bd6(+) 6.Kxd6 Kxf7.
"A mate at the last moment is the climax to this economical study that is full of incident."


No. 7923: Jan Rusinek (Poland).
1.d6 Be6/i 2.Sc5 Bf5 3.d7/ii Bxd7 4.Sxd7 Kc3/iii 5.Sc5 Se3+ 6.Ke2/iv Sf5 (Sc2;Kd1) 7.Ke1/v
b4/vi 8.Kd1 Se3+/vii 9.Kcl Sf5 $10 . \mathrm{Kbl}$ wins.
i) Sf6 $2 . \mathrm{Sc} 5 \mathrm{Bf} 7 / \mathrm{viii} 3 . \mathrm{b4} \mathrm{Be} 8$ 4.Bg7.
ii) 3.Ke2? Se5 4.Kd2 Sd7. 3.b4? Kc4 4.d7 Bxd7 5.Sxd7 Se3+ and bSd5.
iii) $\mathrm{Se} 3+5 . \mathrm{Ke} 2 \mathrm{Sf} 56 . \mathrm{Kd} 2$.
iv) $6 . \mathrm{Ke} 1 ? \mathrm{Sf} 5$, and $7 . \mathrm{Kd1} \mathrm{~b} 4$ (see next note), or 7.Ke2 Sd4+, or 7.Kf2? Kc2 and bSd4+. 6.Kf2? Sc2 and wPc3 is lost.
v) This is a position of reciprocal zugzwang. 7.Kd1? b4 8.Kc1 Sd4 $9 . \mathrm{Bg} 7$ stalemate, and if here 8.Ke1(e2) Kc2 and bSd4, drawn.
vi) Se3 8.Bh6 Sc2+ 9.Kd1 Sa3 $10 . \mathrm{Bd} 2+$ wins.
vii) Bl is in zugzwang: Sd 4 $9 . \operatorname{Bg} 7$.
viii) Bd5 3.b4. Kd5 3.d7 Sxd7 4.Sxd7 Kc6 5.Sc5.
"A hidden stalemate forces W to the glorious move 7.Ke1!!"


Ng.7924: D.Probst. 1.f̄6 + - $/ \mathrm{i}$ Kh7/ii 2.77/iii Rxg5+ 3.fg Rc2/iv 4.Bf5+/v Sxf5 5.f8Q Rh2+6.Kg4 h5+/vi 7.Kf4 Rf2+ 8.Ke5 Bd4+
9.Ke6 Sg7+ 10.Kd7 Rxf8 11.Rh6+ Kg8 12.Se7+ Kf7 13.Rf6+ Bxf6 14.g6 mate.
i) 1.Bxh6+? Kh8 2.Sxb6 Rh3+ 3.Kg5 Sxf5. 1.Sxb6? Rh3+ 2.Bh4 Rxh4+ 3.Kxh4 Rxb6 4.Rxa7+ Kf8 5.Kh5 Sg2 6.Kg6 Sxf4+ 7.Kf6 Sh5+ 8.Ke5 b4 9.Bb3 Rc5+ 10.Bd5 b3.
ii) Kf8 2.Bxh6+. Kh8 2.f7.
iii) 2.Sxb6? Rxe6 3.Rxa7+ Kg8 4.Kg6 Rxf6+ 5.Kxf6 hg 6.fg b4 7.Rd7 b3 8.Sc8 Sg4+ 9.Kf5 b2, drawn.
iv) Rc1 4.Bd5 Sxd5 5.f8Q Rh1+ $6 . \mathrm{Kg} 4 \mathrm{Se} 3+7 . \mathrm{Kg} 3 \mathrm{Rg} 1+8 . \mathrm{Kh} 2$ Rg2+ 9.Kh1.
v) $4 . \mathrm{fBS}+$ ? $\mathrm{Kg} 7 \quad 5 . \mathrm{gh}+\mathrm{Kf6}$ 6.Sd7+ Kxe6 7.dSxb6 ab 8.Rxb6+ Kd7 9.Sa7 $\mathrm{Rh} 2+$ $10 . \mathrm{Kg} 5 \quad \mathrm{Rg} 2+\quad 11 . \mathrm{Kf} 4 \quad \mathrm{Sd} 5+$ 12.Kf3 Sxb6 13.Kxg2 Sd5 14.h7 Sf4 drawn. 4.g6+? Kg7 5.Kh4 $\mathrm{Rh} 2+6 . \mathrm{Bh} 3 \mathrm{Bd} 8+7 . \mathrm{Kg} 3 \mathrm{Bc} 7+$ drawn. 4.Kh4? hg + 5.Kxg5 Bd8 + $6 . \mathrm{Kf} 4 \mathrm{St} 2+7 . \mathrm{Ke} 5 \mathrm{Kg} 7$ drawn.
vi) $\mathrm{Se} 3+7 . \mathrm{Kg} 3 \mathrm{Rg} 2+8 . \mathrm{Kh} 3$ wins.
"Double-edged play ends in a wonderful mate." DVH: A jolly finish with 3 self-blocks placed there during play.

No. 7925: David Gurgenidze (Georgian SSR). 1.Rd2+ Kcl/i 2.Rc2 + Kbl 3.Rxh2 d4+ 4.Kxd4 Rxa6 5.Kc3 R2xa4/ii 6.Rh1+ Ka2 7.Rh2 Kb1 8.Rh1+ Ka2 9.Rh2 drawn.
i) Kel 2.Rxc6 d4+ 3.Rxd4 h1Q 4.Re6+ drawn.

ii) Ra1 6.b3 cb 7.Rh1+ Ka2 8.Rxal+ Kxa1 9.Kxb3 drawn.
"W exploits the awkwardly placed bRR for a positional draw."


No. 7926: W.Naef (Switzerland). 1.Kg2/i Bc8 2.Rxf7 f3+/ii 3.Rxf3 Bb7 4.c6 Bxc6 5.Kf1 Sg5/iii 6.Re3 e6 7.Re5 drawn.
i) 1.c6? e5 $2 . \mathrm{Ke} 4 \mathrm{f} 6$ wins.
ii) e5 3.Re7 Bg4 4.Rxe5 f3+ $5 . \mathrm{Kg} 3 \mathrm{f} 26 . \mathrm{Kg} 2 \mathrm{Bf} 3+$.
iii) bBxf3 is stalemate, but $\mathrm{Bb5}+$ 6.Kg2 Sg5 7.Re3 e6 8.Re5 Bc6+ 9.Kf1 is still drawn.
"A classic study where W makes all the running."


No.7927: C.M.Bent (England). 1.Sd4+/i Sxd4 2.Kf8 Kf6 3.e8S+/ii Ke6 4.Sxc7+ Kd7 5.Se8 (Sa6? Se6+;) Se6+ 6.Kf7 Sc7+ 7.Kf8 Sxe8 stalemate.
i) 1.Sc3? Bc4. 1.Sf4+? Kd6 2.Sg6 Bb1.
ii) 3.e8Q? Se6+4.Kg8 Sg7+.
"An aesthetic combination of underpromotion with stalemate in a miniature." DVH: The stalemate is ideal.


No.7928: Emil Melnichenko (New Zealand). 1.a4+ ba 2.cRb6+
Kc5 3.b4+ cb 4.Rc6+ Kd5 (Kb5;cRb6+) 5.c4+ dc 6.Rd6+ Ke5 7.d4+ ed 8.Re6+ Kf5 9.e4+ fe 10.Rf6+ Kg5 11.f4+ gf 12.Rg6+ Kh5 13.g4+ hg
14.Sxg3+ Kh4 15.Sf5+ Kh5 $16 . \mathrm{Sg} 3+$ draws.
"7-fold en passant capture. Acknowledgement 'after Korolkov' (Shakhmaty v SSSR 1940) would have been gracious."


No.7929: D.Probst. 1.Bg4+ Bxg4 (Kxg4;Qxg5+) 2.Qc3/i h3 (Qe6 Sf6+) 3.Sf6+ Kh4 4.Qg3+ Sxg3+ 5.fg+ Kxg3 6.dSe4+ Qxe4 7.Sxe4+ Kh4 8.g3+ Kh5 9.Sf6 mate.
i) We quote a note which tells us that $2 . \mathrm{Qg} 7(\mathrm{~h} 8)$ is interesting, for example: h3 3.Sf6+ Kh4 4.Qxh6+ Bh5 5.Sf3+ Qxf3 6.gf Sd4 7.Qh8 Sxf3 8.Se4/ii Sd3 9.Qd8 Sf4 10.Qf6 Sd3 11.Qd8 Sf4 12.Qd6 Bg4 13.Sd2 Sxd2 14.Qxd2 Bf3+ 15.Kh2 Kg4 16.Qd7+ Kh4 17.Qe7 Kg4 18.Qe3 Bd5 19.Qe5 Bf3 20.Qe3 Bd5 21.f3+ Kf5 $22 . \mathrm{Kg} 3 \mathrm{Be} 6$, drawn. ii) 8.Qd8 (we are still quoting) Se 5 9.Qd4 Bf3+ 10.Kg1 Sg4 11.Sxg4 Kxg4 12.Qe3 Bd5 13.f3+ Kf5 drawn.
"A brute force mating attack."


No. 7930: A.Sochniev (Leningrad). 1.e7/i Bd3 2.Kg8/ii Bc4+ 3.Kh8 f5 4.g7 Kf7+ 5.g8B+/iii Kf6/iv 6.e8S+, and Rxe8 stalemate, or Kg6 7.Bf7+ Kxf7 stalemate.
i) $1 . \mathrm{g} 7 ? \mathrm{Bxg} 7+2 . \mathrm{Kxg} 70-0-03 . \mathrm{e} 7$ Re8 4.h8Q Rxh8 5.Kxh8 Bh5 $6 . \mathrm{Kg} 7 \mathrm{a} 5$ wins.
ii) 2.g7? Bxg7+ 3.Kxg7 Bxh7.
iii) 5.g8Q+? Kf6 6.Qxa8 Bg7 mate. 5.e8Q+? Rxe8+ 6.g8B+ Kf8.
iv) Ke 8 6.Bxc4 and 7.Kg8. Kg6 6.e8Q+.
"A pair of serial underpromotions in a futuristic setting."


No. 7931: Anders Gillberg (Västeras, Sweden). Judge: the late Freek Spinhoven (Haarlem), who evaluated 24 published entries. It was his very last contribution to our art. The award consists of ranking by place only - no prizes were awarded. $1 . \mathrm{b} 8 \mathrm{Q} / \mathrm{i} \mathrm{b} 2+2 . \mathrm{Kd} 3$ $\mathrm{blQ}+3 . \mathrm{Qxbl} \mathrm{Bxbl}+4 . \mathrm{Kd} 2 \mathrm{Sc} 3 / \mathrm{ii}$ $5 . \mathrm{Bb} 2 \mathrm{Se} 4+6 . \mathrm{Kd1} \mathrm{Bxb} 2$ stalemate.
i) 1.Bb2? Bxb2 2.b8Q Bc3 3.Qa8 fails because bK can reach c 1 to win. 1.b8R is also playable (with the same continuation as in the main line), but it would be a severe judge indeed that would mark this study down therefor.
ii) Se 3 5.Bc5. Sb2 5.Kc1.

No. 7932 J. van Reek (iii.88) $=1 / 2$ Places, En Passant (Maastricht), 1988


No. 7932: Jan van Reek (Margraten, Netherlands). 1.Sc7/i Sb6+ 2.Kb7 Kd7/ii 3.a4/iii Sxa4+ 4.Sb5 Rxb5+ 5.Ka6 Rb3 6.a8Q Sc5+ 7.Ka7 Kc7 8.Qb8+ Rxb8 stalemate. Our analysis is taken from No. 38 in the composer's privately circulated compilation "Eindspelstudies" (1989, but undated).
i) $1 . \mathrm{Sg} 7$ ? Sb6+ 2.Kb7 Kd7 3.a8Q Sxa8+ 4.Kxa8 Rb5 5.a4 Rg5 wins.
ii) Sa8+ 3.Kxa8 Kd6 4.Sa6 Kd7 5.a5 Kc6 6.a5 Rd1 7.Sb8+ Kc7 8.Sa6+ Kc8 9.Sc5 Rd8 10.Se6 Rh8 11.26 drawn.
iii) 3.Sa6? Sa8+ 4.Sb4 Rb3
5.Kxa8/iv Kc8 6.Sa6/v Rd3 7.a4

Rd8 8.a5 Rh8 9.Sb8 Kc7 10.a6 Rh1 11.Sd7 Rd1 12.Sb8 Kb6 wins.
iv) $5 . \mathrm{Kb} 8 \quad \mathrm{Sc} 7 \quad 6 . \mathrm{a} 8 \mathrm{Q} \quad \mathrm{Sxa8}$ 7.Kxa8 Rxa3+ wins.
v) $6 . a 4 \mathrm{Rxb} 47 . \mathrm{a} 5 \mathrm{Kc} 78 . \mathrm{ab} \mathrm{Kb} 6$ wins.


No. 7933: C.M.Bent (Inkpen Common, Newbury, Berkshire). 1.Sf6+/i Sxf6/ii 2.Be6+ Kg7 3.Bxc4 Sg4+ 4.Kf3 Se5+ 5.Ke4(e3) Sxc4 6.Kd3 Sb2+ 7.Kd2 Sf4 8.Kc1 fSd3 9.Sxd3 drawn.
i) 1.Se3? Rf4+ 2.Sf3 Sc3(d4) wins. 1.Bb5? Rc5 wins.
ii) Kf7 2.Sxh5 Rh4 3.Sg3.

No. 7934 A. van de Woestijne (iii.88) 4th Place, En Passant (Maastricht), 1988


No. 7934: Aldo van de Woestijne (Amsterdam). 1.Qa5+? fails: Kb8 2.Qd8+ Qc8 3.Qb6+ Qb7 4.Qd6+ Kc8 5.Qc5+ Kd8, and, for instance, $\quad$ 6.Qd4+ Qd7 7.Qb6+ Ke8 8.Sd6+ Qxd6+. 'Therefore': 1.Qd8+ Qb8 2. $\mathrm{Qd} 5+\mathrm{Qb} 7$ 3.Qa2+ Kb8 4.Qh2+ Ka8 5.Qh8+ Qb8 6.Qh1+ Qb7 7.Qa1+ Kb8 8.Qe5+ Ka8 9.Qe8+ Qb8 10.Qe4+ Qb7 11.Qa4+ Kb8 12.Qf4+ Ka8 13.Qf8+ Qb8 14.Qf3+ Qb7 15.Qa3+ Kb8 16.Qf8+ Qc8 17.Qf4+ Ka8 18.Qa4+ Kb8 19.Qa7 mate.


No. 7935: Anders Gillberg (Västeras, Sweden). 1.Bf7 Bbl+ 2.Kg7 a2 3.Bh4+ Kd7 4.Bf6 Sxf6 5.Bxa2 Se8+ 6.Kf8 Bxa2 stalemate.


No. 7936: A. (Anton, shortened to Teun) H.Balemans (Eindhoven). 1.Ra8 Rh1+ 2.Kg4 Rh4+ 3.Kf3 Rf4+ 4.Kg2 Rxf2+ 5.Kh3 Rh2+ $6 . \mathrm{Kg} 4 \mathrm{Rh} 4+\mathrm{Kf} 3 \mathrm{Rf} 4+8 . \mathrm{Ke} 3$ Re4+ 9.Kd2 Rd4+ 10.Ke1 Rd1+ 11.Kf2 Rf1+ 12.Ke3 Rf3+ 13.Ke4, winning, as wK reaches the e7 square. [This is a variation of a study by Rob Nio Bertholeé: a3a8 4000.81 h3f7. b2b6c2c7d2e2f2g3b7 10/3-+. Published in SCHAAKNIEUWS, the solution is not to hand.]


No. 7937: Henk Enserink (Amsterdam). 1.Bf8/i Ke4/ii 2.Ka5/iii b3 3.Bxa3 Kd3 4.Kb4 (Sc6? Kc3;)

Kc2 5.Sc6 b2 6.Sd4+ Kc1 7.Sxb5 wins ( $\mathrm{Kb} 1 ; \mathrm{Kb} 3$ ).
i) $1 . \mathrm{Bc} 1$ ? Ke4, and $2 . \mathrm{Kxb5} \mathrm{Kd} 3$ 3.Kxb4 a2 4.Bb2 Kc2 5.Ka3 Kb1, or 2.Sc6 b3 3.Bxa3 Kd3 4.Sb4+ Kc3 5.Sd5+ Kc2 6.Se3+ Kd2. ii) a2 2.Bg7 Ke4 3.Sc6 b3 4.Sxb4.
iii) 2.Bb4? a2 3.Bc3 Kd3 4.Bg7 Kc 2 5.Sc6 Kb1. 2.Kxb5? a2 draws.


No. 7938: D.Godes (USSR). Judge: Vladislav Bunka, who had 23 studies to pronounce upon. It appears that Ceskoslovensky Sach had no informal tourney for 1987. 1.h8Q+ Rxh8 2.Sf4+/i Kg4 3.Sxh3 Kxh3 4.a8Q Rxa8 5.Bg2+ (Bxa8;Sd2+) Kh4 6.Bxa8 Sd2+ 7.Kg2 Sf2 $8 . \mathrm{a}^{7 \mathrm{hgQ}+9 . \mathrm{Kxg} 1 \mathrm{Sg} 4}$ 10.Bh1 Bf2+ 11.Kg2 Bxa7 stalemate!! Or Sh3+ 10.Kh1 Bf2 11.Bg2 Bxa7 12.Bxh3 Kxh3 stalemate (declining the final capture gives Bl only illusory mating chances, despite wK being confined to the corner).
i) 2.Rxh1? Re8, renewing Bl's initial mating threat, $3 . \mathrm{Sf} 4+\mathrm{Kg} 4$ 4.Se6 Rxe6 5.Bc8 Sd2 mate. 2.Sxh8? Sd2+ 3.Ke2 hgQ 4.a8Q Qe1+ 5.Kd3 Sf2+.


No. 7939:Emil Vlasak (Czechoslovakia). 1.Rb1 Sb3+ 2.Rxb3 Bd4+ 3.Kb1 (Rb2? Kd7;) Bxd5 4.Rd3 Be4 5.Rd2, and Kc 7 6.Rc2+ wins, or Ke7 6.Re2 wins.

No. $7940 \quad$ M. Matous (v.87) 3rd Prize, Czech 'ring' ty, 1987 Ceskoslovensky Sach


No. 7940: Mario Matous (Czechoslovakia). 1.Rxe5 Bf8+/i 2.Kxg6 Bc2+ 3.Kf7 Bxb1 4.g6/ii Rxe5 $5 . g 7+$ Sxg7 stalemate.
i) $\quad \mathrm{R}(\mathrm{B}) \mathrm{xe5} \quad 2 . \mathrm{Rxb} 3 \quad \mathrm{Re} 6(\mathrm{c} 6)$ 3.Rb8+ Bxb8 stalemate. Bf7
2.Rb8+ Bxb8 3.Re8+ Bg8 4.Rxb8.
ii) 4.Re1? Rf5+ 5.Ke6 Bc2 6.Re2 Rc5 7.Kf7 Bd6 wins.


No. 7941: Alexandr Maksimovskikh and Vladimir Shupletsov (USSR). 1.Se6+ Kh6 2.Kxe4 h3 3.Sh4 Bxh4 4.Bd2+ Kxh5 5.Kf5, and Bd8(e7) 6.Sg7+ Kh4 7.Be1 mate, or $\mathrm{Bf} 26 . \mathrm{Bg} 5 \mathrm{Bg} 3$ 7.Sg7 mate, or $\mathrm{Bg} 36 . \mathrm{Sg} 7+\mathrm{Kh} 4$ 7. Bg 5 mate.


No. 7942: Michal Hlinka (Czechoslovakia). 1.Rh1/i Sc1 2.Rh6+ Ka5 (Kb7;Rh5) 3.Rh8/ii Sb3 4.Rh1 Kb4/iii 5.a5 Scl/iv 6.Rh8 Ka3 7.Rb8 Sb3 8.a6 b1Q 9.a7 Qh1 + 10.Kf4 Qh6+ 11.Kf3 Qh5+ 12.Kg2 drawn.
i) 1.Rf1? Sc1 2.Rf6+ Ka5 3.Rf8 Sb3 4.Rf1 Sd2+ wins.
ii) 3.Rh5+? Kxa4 4.Rh8 Sb3 5.Rh1 Ka3 6.Rb1 Sd2+ 7.Kd5 Sxb1.
iii) Kxa4 5.Kd5 Sc1 6.Rh8 Sa2 7.Ra8+ Kb3 8.Rb8+ drawn.
iv) Kxa5 6.Kd5 Sc1 7.Rh8 Sb3 8.Rh1 drawn.


No. 7943 G.M. Kasparyan (iii.87)
3 Hon.Men., Czech 'ring' ty, 1987 Ceskoslovensky Sach


No. 7943:
G.M.Kasparyan (USSR). 1.Sb6+/i Ke4 2.Rc8 Rb4 3.Sc4 (Sd7? Ke3;) Sxf4/ii 4.c3 Ra4 5.Re8+ Se6 6.Sb6 Ra3 7.Rxe6+ wins.
i) 1.Rd3? Rxd3 2.cd Kd4 $3 . f 5 \mathrm{Sf} 8$ 4.f6 Sd7 5.f7 Se5+ drawn.
ii) Kd4 4.f5 Sc5 5.c3+ Kxe3 6. Rxc 5 wins.


No. 7944: David Gurgenidze (USSR). 1.Re7+ Kd1 2.Rd7+ Kcl 3.Qxh2 glQ + 4. Qxg1 Rxg8 $+/ \mathrm{i}$ 5.Kh6 R8xgl (fRxgl; Rg7) 6.Rf7 Rd1 7.Rc7 + Kb2 8.Rd7 Tc1 9.Rb7 + Ka3 10.Rc7 Rbl 11.Rb7 bRf1 12.Rf7, drawn.
i) Rxg1 5.Kh6 Rxg8 6.Rc7+ Kd2 7.Rxc8 Rxc8 8.Kg7 drawn.

DVH: Neat finesse in final moves.

No. $7945 \quad$ V. Kuzmichev (ix. 87)
2 Comm., Czech 'ring' ty, 1987 Ceskoslovensky Sach


No. 7945: V.Kuzmichev (USSR). 1.S8e6+ Kh6 2.Sf7+ Kh5 (Kh7;e8S) 3.e8Q Sf6+ 4.Kf3, with mating continuations: Sxe8 5.Kxg3, Se5+ 5.Kxg3, Sh4+ 5.Kxg3 Sf5+ 6.Kh3.


No. 7946: C.M.Bent (England). 1.Kc8 e4 2.Sc6+ Ka6 3.Sb8+ Bxb8 4.Kxb8 Qh2+ 5.f4 Qxf4+ 6.Ka8 a4 7.Sb4+ Ka5 8.Sc6+, drawing by perpetual check.


No. 7947:
G.A.Nadareishvili (USSR). Judge: Artur Mandler. The award was published in booklet form. There were 53 entries. For V.Pachman's 1st Prize, see EG32.1817. 1.c7 Ra8 2.d7 c3 3.c8Q Rxc8 4.dcR Kb2 5.Sf7 b2 6.Se5 wins.

No.7948: V.Pachman. 1.Rg8 Rd7 2.Rh8 + Rh7 3.Se7 Kh5 4.Rg5 + Kxh4 5.Rg2, with:
aRxh8 6.Sg6 + Kh5 7.Sf4 + draw, or hRxh8 6.Sf5 + Kh5 7.Sg7 + drawn.


No.7949: S.M.Gurvich (USSR). 1.Rb7 Ra2 2.Ba7, with: Ra6/i 3.Bb6 Ra4 (c2; Bc5) 4.Bc5 wins.
i) Rd 2 3. Bb 6 Rh 2 3. Bd 4 Rg 2 3. Bd 4 Rg8 + 4.Kc7 Ra4 3.Bc5 Rxa7 3.Rb8 mate.


No.7950: Frantisek Richter (Czechoslovakia). 1.Ke3/i Bf5/ii 2.a6 Bc8 3.a7 Bb74.Ke4 Ba8 (c5 + ; d5) 5.Ke5 Bb7 6.Ke6/iii Ba8 7.Kd6 Bb7 8.Kc7 Ba8 9.Kb8 wins
i) 1.d5? cd 2.a6 Be4 3.Ke3 Bg2 4.Kd4 Bh3 5.a7 Bc8. 1.Kf3? Bd3 2.Kf4 Bf1 3.Ke5 Be2 4.Kd6 Bf1 5.Kc5 Be2 6.Kb6 Bf3 7.a6 c5. 1.a6? Be4 2.Ke3 Bh1 3.Kf4 c5.
ii) Ba 2 2.a6 Bd5 3.Kf4 c5 4.Ke5 Ba8 5.d5.
iii) 6.Kd6? Ba8 7.Kc7 c5.


No.7951: V.Evreinov (USSR). 1.e6 Sxd8 2.e7 Rg5 + 3.Kf1 Rg8 4.Bc8 Sxc8 5.e8Q + Rxe8 6.d7 draw.


No.7952: A.Herberg (West Germany). 1.Ra2/i c4 2.Ka3 a5/ii 3.g3 ( $\mathrm{g} 4+$ ? Kg6;) Kg6/iii $4 . \mathrm{g} 4$ (Ka4? Kxg5;) Kf7 5.Ka4 Kg6 6.Ka3/iv Kh7
7.Ka4 Kg7 8.Kxa5 Kg6 9.Ka4 Kxg5 10.Ka3 Kf4 11.Kb2/v Rg1 12.Kxc2 $\mathrm{Rg} 2+13 . \mathrm{Kb} 1 \mathrm{Rxa} 2$ 14.Kxa2 Ke3 $15 . \mathrm{g} 5$ drawn.
i) Threat: Kb3. 1.g4+? Kxg5.
ii) Kxg 5 3. $\mathrm{Kb} 2 \mathrm{Rgl} 4 . \mathrm{Ra} 5+$.
iii) a4 4.Kxa4 Kxg5 5.Ka3 Kg 4 6.Kb2.
iv) 6.Kxa5? Kxg5 7.Ka4 Kxg4.
v) 11.g5? Ke3 12.g6 Kd2 13.g7 Rg1.


No.7953: Emil Richter (Czechoslovakia). 1.Bh2 Rxf3 + /i $2 . \mathrm{Kg} 7$ Rxf1 3.Kxh8 Rf8 + 4.Kg7 Re8 5.Kf7 Rd8 6.Bc7 Rh8 7.Bd6 + K- 8.Bf8 Rh7 + $9 . \mathrm{Bg} 7$ wins.
i) $\mathrm{Rh} 7+2 . \mathrm{Ke} 6 \mathrm{Rg} 6+3 . \mathrm{Kf} 5 \mathrm{Rg} 5+$ 4.Kf6.


No.7954: Vazha Neidze (USSR). 1.Sc3 + Kxc5 2.Sa4 + Kb5 3.Rxc6 $\mathrm{Bg} 1+4 . \mathrm{Kh} 1$ Kxa4 5.Ra6+/i Kb5 6.Ral draws.
i) $5 . \mathrm{Rcl}$ ? bcS 6.Kxg1 Sd3 7.Kh2 Sf4 wins.

No.7955: E.Kolesnikov (Moscow).
Judge: V.Vlasenko (Kharkov
region). 103 entries were received for
this international tourney. 1.Sb3 c4
2.Sal g5 3.h3 Kh4 4.Kg2 g5 5.Kh2 c3
No.7955: E.Kolesnikov (Moscow).
Judge: V.Vlasenko (Kharkov
region). 103 entries were received for
this international tourney. 1.Sb3 c4
2.Sal g5 3.h3 Kh4 4.Kg2 g5 5.Kh2 c3
No.7955: E.Kolesnikov (Moscow).
Judge: V.Vlasenko (Kharkov
region). 103 entries were received for
this international tourney. 1.Sb3 c4
2.Sal g5 3.h3 Kh4 4.Kg2 g5 5.Kh2 c3
No.7955: E.Kolesnikov (Moscow).
Judge: V.Vlasenko (Kharkov
region). 103 entries were received for
this international tourney. 1.Sb3 c4
2.Sal g5 3.h3 Kh4 4.Kg2 g5 5.Kh2 c3
No.7955: E.Kolesnikov (Moscow).
Judge: V.Vlasenko (Kharkov
region). 103 entries were received for
this international tourney. 1.Sb3 c4
2.Sal g5 3.h3 Kh4 4.Kg2 g5 5.Kh2 c3 $6 . S b 3$ alQ 7.Sd4 wins.

5.Kh4 Qf2 + 6.Kg5 Qf5 + 7.Kh6 Qf8 + 8.Kg5 Ke3 9.Qh6/i Qf5 + 10.Kh4 + Ke4 11.Kg3 Qf3 + 12.Kh2 Qf2 + 13.Kh1 Bd5 14.c4 drawn. i) 9.Qd1? $\mathrm{Qg} 7+10 . \mathrm{Kh} 5 \mathrm{Bf} 7+11 . \mathrm{Kh} 4$ Qh6 + 12. Kg 3 Qf4 + 13.Kg2 Qf2 + 14. Kh1 Bg6 15.Qcl + Ke2 wins.


No.7956: S.Vodolaga (Kharkov region) and A.Khandurin (Kharkov). $1 . . . \mathrm{Qg} 1+2 . \mathrm{Ke} 4 \mathrm{Qe} 3+3 . \mathrm{Kf} 5$ Qc5 + 4.Kg4 (Kg6? Bf7 + ;) Be6 +

No.7957: G.Nekhaev (Kursk). 1.a4 Kf5 2.Kd5 g5 3.Ba6 g4 4.Bc8 +Kg 6 5.Bxg4 h5 6.Be6 Kg7 7.Kc6 Kf8 8.Kb5 Ke7 9.Bf5 Bc3 10.a5 Bxe5 11.a6 Bb8 12.Kb6(c6) Kd8 13.Kb7 Ba7 14.Kxa7 Kc7 15.Bd3 h4 16.Bf1 wins.



No.7958: V.Prinev (Moscow region). 1.Rc2 Rd3 2.Bh6 Kg3 3.Rc1 h2 + 4.Kh1 c2 5.Bf4 + Kh3 6.Bxh2 Rd1 + 7. Bg 1 Rxcl stalemate.


No.7959: N.Ryabinin (Tambov region). 1.Rh7 + Kf8 2.Rh8 + Ke7 3.Re8 + Kd6 4.Rd8 + Kc7 5.Rd7 + Kc8 6.Ra7 Kb8 7.Ra8 + Kb7 8.Ra5 Kb6 9.Bc3 Rc4 10.Bel Re4 11.Rb5 + Ka6 12.Bb4 Rc4 13.Kg2 e5 14.Rb8 Ka7 15.Bb3 Rd4 16.Rb5 Ka6 17.Ra5 Kb6 18. Bel Re4 19.Ral wins.


No.7960: V. (brother of Leonard) Katsnelson (Leningrad). 1.c4, with: Kxf3 2.c5 Ke4 3.c6 Bb6 4.Kb5 Kd5 5.Ka6 draw, or Bh2 2.Kb5 Bc7 3.Ka6 Bb6 4.Kb5 Kd4 5.f4 Bc5 6.f5 draws, or Kd4 2.Kb5 Be3 3.c5 Kd5 4.c6 Kd6 5.f4 Kc7 6.f5 Bd4 7.Kc4 Bf6 8.Kb5 Bd4 9.Kc4 drawn.

No.7961: I. and L.Melnichenko (Chernigov region). 1.Kg6 Be6 2.Se2 Kd6 3.Sf4 Bg8 4.Kg7 Ke5 5.Sg6 + Ke6 6.Se7 Bf7 7.Sxd5 wins.


No.7962: A.Davranyan (Donets region). 1.Kd3 Kb1 2.h8Q c2 3.Qal + Kxal 4.Kxc2, with: Ka2 5.b5 g5 6.b6 $\mathrm{g} 47 . \mathrm{b} 7 \mathrm{~g} 38 . \mathrm{b} 8 \mathrm{~B}$ wins, or g5 5.h5 g4 6.h6 g3 7.h7 h2 8.h8B + wins.


No.7963: B.N.Sidorov (Krasnodarsk province). 1.Ba4 +Ke 7 2.Sc6+Kd6 3.Be5 + Kd5 4.Kf2 Ke4 $5 . \mathrm{Bc} 2+\mathrm{Kd} 5$ 6.Ba4 Kc5 7.Bd4 + Kd5 8.Be5 Qb6 9.Bd4 Qb7 10.Be5 Kc5 11.Bd4 + Kd6 12.Be5 + Kd5 13.Ke3 Kc5 14.Bd4+Kd5 15.Be5, draw, though whether it is 'positional' or by repetition seems to be a matter of taste. 'Same thing' says DVH.

$$
\text { No. } 7964
$$

S. Tkachenko

1 Comm.
II Belokon MT, 1989


No.7964: S.Tkachenko (Odessa region). 1.d7 Sd6 2.Sxd6 a3 3.d8Q a2 $4 . \mathrm{Sc} 4 \mathrm{alQ} 5 . \mathrm{Qd1}+\mathrm{Bcl}+6 . \mathrm{Sd} 2+$ Kb2 7.Qb3 mate.


No.7965: I.Bondar (Brest region). 1.Bxe2 +Kc 5 2.Qc3 + Kd6 3.Qg3 + $\mathrm{Ke} 74 . \mathrm{Qg} 5+\mathrm{Kf} 85 . \mathrm{Qc} 5+\mathrm{Kg} 8$ $6 . \mathrm{Qc} 4+\mathrm{Kf8} 7 . \mathrm{Qb} 4+\mathrm{Ke} 8$ 8.Qa4 + Qd7 9.Bb5 wins.


No.7966: M.Zinar (Odessa region). 1.b8R Ka2 2.d5 blQ 3.Rxb1 Kxbl 4.d6 a3 5.d7 a2 6.d8Q alQ 7.Qd1 + Ka2 8.Qxa1 + Kxal 9.Ke3 Kb2 10.Kd4 Kc2 11.Ke5 Kd2 12.Kf6 Ke3 13.Kxg6 Kf2 14.Kh5 Kxg2 $15 . \mathrm{g} 6$ Kxh3 16.g7 g2 17.g8R wins.


No.7967: K.Efimenko (Odessa region). 1.Se5 + Kf4 2.Sd7 Ba5 3.Sg3 Bxc3 4.Se2 + Kg5 5.Sxc3 Kxh6 $6 . \operatorname{Sxb} 5$ wins.

No.7968: V.Romyasko (Kharkov region). 1.c8S $+\mathrm{Kb} 82 . \mathrm{a} 7+\mathrm{Kxc} 8$ 3.a8Q + Kd74.Qe8 + Kxd6 5.f8Q + Bxf8 6.Be5 mate.


No.7969:
M.Krestyaninov
(Tobolsk). 1.b7 a2 + 2.Ka1 Ka3 3.Rh1 Rxf3 4.Rg1 Re3 5.Rf1 Rd3 6.Rel Rc3 7.Rd1 Rb3 8.Rcl Rb6 9.Rc3 + Kb4 10.Rc2 a3 11.Kxa2, drawn.


No.7970: V.Tarasyuk (Kharkov region). 1.Ra1 + Kb6 2.Rh6 + c6 3.Se5 b4 4.Sc4 + Kb5 5.Sd6 + Kb6 6.Rh7 c4 7.Se4 c5 8.Rh6+.Kb5 9.Kxb7 b3 10.Sc3 + Kb4 11.Sd5 + Kb5 12.Kxa7 c3 13.Se3 c4 14.Rh5 Kb4 15.Kb6 Qa2 16.Rb5 + Ka3 17.Sxc4+Ka4 18.Kc5 wins.


No.7971: L.Topko (Krivoi Rog). 1. $\mathrm{Bg} 1 \mathrm{Kcl} \mathrm{2.Rc7}+\mathrm{Kbl} 3 \cdot \mathrm{Rb} 7+\mathrm{Kal}$ $4 . \mathrm{Ra} 7+\mathrm{Kbl} 5 . \mathrm{Rb} 7+\mathrm{Kc} 26 . \mathrm{Rc} 7+$ Kb 3 7.Rb7+Kc2 8.Rc7+Kd3 9. Rd7 +Ke 2 10. $\mathrm{Kxd} 2+\mathrm{Kxd} 2$ 11.Kf2 drawn.


No.7972: A.Shmit (Ulyanovsk). wK is in check. 1.Kc5 $\mathrm{Rcl}+2 . \mathrm{Kd} 5$ Rd8 + 3.Rd6 Rdl + 4.Kxe5 Re8 + 5.Re6 Rel + 6.Kd5 Rd8 + 7.Rd6 Rd1 + 8.Kc5 Rc8 + 9.Rc6 Rcl +
10.Kb5 Rb1+ 11.Ka4 Ra8 12.Rc7 g3 13.Rh5 + Kg8 14.Rg5 + Kh8 15.Rxg3 Rxa7 16.Rxa7 Rb4 + 17.Ka3 wins.


No.7973: I.Yarmonov (Mariupol). 1.Bh4 Sg7 2.Kxg7 Sf5 + 3.Kf8 Sxe7 4.Bxe7 + Kc4 5.Ba3 Kb3 6. Ke7 Kxa4 7.Kd6 b5 8.Kc5 b4 9.Kc4 ba $10 . \mathrm{b} 3$ mate.


No.7974: Pauli Perkonoja (Turku, Finland). This was a national tourney for Finnish composers. Judge: Aleksandr Maksimovskikh (Zagainovo, USSR). For practical reasons of quantity ( 14 entries) and quality ( $50 \%$ unsound) the award is in two parts, the extra part, which we shall
here call 'special', being for new composers. 1.Qf7 Rh8 2.Qxf6+ $\mathrm{Kg} 4+3 . \mathrm{Qxh} 8 \mathrm{~g} 1 \mathrm{Q}+4 . \mathrm{Kxg} \mathrm{f} 2+$ 5.Kxf2 Qa7 + /i 6.Bb6 Qa2 + 7.Re2 Qf7 + 8. Kgl/ii Sxh8 9.Rg2 + Kh5 10.Rh2 + Kg6 11.Bd4/iii Qe6 12. Bxh8 drawn.
i) This explains the P -sacrifices by Bl . ii) With bQ on a safe spot wQ can be captured.
iii) In the course of play bSh8 has been deprived of the squares g 6 and f7. An original cornering idea.


No.7975: Hannu Sokka (Turku). 1.d6 h3 2.d7 Rd8 3.g8Q Rxg8 4.Bxg8 h2/i 5.Bf7 $+\mathrm{Kg} 4 / \mathrm{ii}$ 6.Bh5 +Kf 4 7.d8Q h1Q 8.Qf6 + Ke4 9.Qxe6 + Kf4 10.Qf6 + Kg3 (Ke4; Qkc6 + ; 11. $\mathrm{Qg} 5+\mathrm{Kh} 2 \mathrm{12.Qf} 4+\mathrm{Kg} 1$ 13.Qe3 + Kh2 14.Bf3 Qg1 15.Qh6 + Kg 3 16. $\mathrm{Qg} 5+\mathrm{Kh} 2$, and the familiar face of 17.Qh4 mate.
i) A quiet introduction is followed by a fine wB manoeuvre.
ii) Kh6 6.d8Q h1Q 7. Qh8 + .

No.7976: Pekka Massinen (Helsinki). 1.Bd5 Bh7 2.Be4 Bg8 (Bxe4; G8Q) 3.Bxc6 + Ka7 4.Be4 Sd5 5.c4 Se7 6.Kf6 Sc8 7.c5, with h7 unstoppable.


No.7977: Bruno Breider (Helsinki). 1.Rf8 + Kxe7 2.Rxf4 e2/i 3.Sg6+ Kd6 4.Rxe4 Bd2 + 5.Kc4 elQ 6.Rxel Bxel 7.Sc5, winning bB by a fork, and then 'ask Troitzky'.
i) Bxf4 3.Sg6 + and 4.Sxf4 eventually leaves W with 2 S play against bPc6.


No.7978: Jorma Pitknen (Lahti). 1.Sb6 Sxb6 2.c7+Ka8 3.c3/i Ka7 4.c4 Ka8 5.c5 Ka7 6.cb + and bS is captured with check, thereby avoiding stalemate.
i) 3.c4? $\mathrm{Ka} 74 . \mathrm{c} 5 \mathrm{Ka} 85 . \mathrm{cb}$ stalemate.


No.7979: Kenneth Solja (Helsinki). 1.Kb5 g5 2.Kc4 Ke4/i 3.a4 g5 4.a5 g3 $5 . \mathrm{a6}$ g2 6.a7 g1Q 7.a8Q + Kf4 8.Qf8 + Ke4 9.Qe7 + Kf3 10.Qf6 + Ke4 11.Qc6 + Kf4 12.Qd6 + Kf3 13. Qd5 + Ke2 14.Qe4 + winning.
i) The decoy to this square allows promotion with check.


No.7980: Tarmo Palin (Tampere). 1.Sb6 Rxb6/i 2.Sd5 + Kd6 3.Sxb6 Ke6 4.Sd5 wins.
i) Kxb6 2.g7 Ra8 3.Sd7 + K-4.Sf8 wins.


No.7981: Pal Benko (USA and Hungary). Judge: Ervin Janosi (Budapest, iii.87). For Benko's study we draw on the Sakkelet (iii.86) notes and those in a 2-page article by IM Rudolf Maric in Europe-Echecs (xi.89). In 1985 Maric, who had been Benko's second in the 1959 Candidates, met Benko who, so the story goes, challenged him 'for old analytical times' sake' to solve this formidable study. The IM succeeded, but only at the expense of his performance in the Bad Whrishofen tournament. ... W is 2-3 tempi behind, and Bl threatens to promote with check. 1.Rc8. The only move to force Bl onto the defensive. 1.h6? $\mathrm{Rg} 5+$ 2.Kf1/i Rc5 3.Re8 + Kf3 4.Rf8 + Kg4 5.Rg8 + Kf5 6.h7 c2 7.Rf8 + Kg6 and W will be mated. Kd3. Or Kd2 2.h6 c2/ii 3.h7 Rf8 4.Rxf8 $\mathrm{clQ}+5 . \mathrm{Rf1} \mathrm{Qc} 3$ 6.Rf7, with a position that is a draw, reasonably enough. 2.h6 c2 3.h7. See Diagram

No.7981a. 3.Kg2? to avoid later checks fails: Rf8 4.Rc7 (Rc6? Rf6;) Rh8 5.Rd7 + Kc3 6.Rc7 + Kd2 7.Rd7 + Kcl 8.Rd6/iii Rc8/iv 9.h7 Kbl and wins. Rf84.Rc7. Clearly the best. 4.Rxf8? clQ + $5 . \mathrm{Kg} 2 \mathrm{Qd} 2+$ 6.Rf2 Qg5 + 7.Kh1 (Kf1,Qh5;) Qd5 + 8.Rg2/v Qa8 9.Kh2 Qb8 + 10.Kh1/vi Ke3 11.Rh2 (else Qb1 + ;)


Kf3 12.Rh3 + Kf2 13.Rh2 + Kfl wins. Rh8. Or Rd8 5.Kf2 Kd2 (Rh8; Kf 3 ) $6 . \mathrm{Rd} 7+$, when Bl does best to accept perpetual check by Rxd7 7.h8Q clQ 8.Qh6 + Kdl 9.Qh1 + . The other logical looking move is Rb8 5.Kf2 Kd2 6.Rd7 + Kcl 7.Rb7 Rxb7 8.h8Q Kbl 9.Qh1 + with a draw. Now Bl threatens to take on h7. 5.Rd7 + Kc3 6.Rc7 + Kd2 7.Rd7 + Kcl. See Diagram


No. 7981 b . W seems to have spent his last cartridge and faces the threat bRb8;, while Rb7, $\operatorname{Rd} 8$; is a similar denouement. Specifically, 8.Kf2? $\mathrm{Kb} 29 . \mathrm{Rb} 7+\mathrm{Kc} 310 . \mathrm{Rc} 7+\mathrm{Kb} 3 / \mathrm{vii}$ $11 . \mathrm{Rb} 7+\mathrm{Ka} 4$ 12.Ra7 + Kb5 13.Rc7 Rxh7 14.Rc8 Rhl wins. 8.Kh2? is bad because wPh7 will be lost with a check. 8.Kg2? Rb8 9.Rg7 Kbl $10 . \mathrm{Rg} 8 \mathrm{Rb} 2$ and W will be mated. 8.Rb7? Rd8 9.Kf2 Kd1 10.Rd7+

Rxd7 11.h8Q Rd2 $+12 . \mathrm{Kg} 3 \mathrm{clQ}$ is more than enough. Maric observes at this point that the foregoing lines show that W is forced to liberate bK but in return wR can take up a position of maximum effectiveness. 8.Rg7. There are now two variations, in each of which the wK moves that have just been shown to fail, succeed! Either:
Rb8 9.Kh2. Here 9.Kf2? Kb1 10.Rg8 Rb2 wins. 9.Rg8? Kd2 10.h8Q/viii $\mathrm{clQ}+11 . \mathrm{Kh} 2 \mathrm{Qc} 7+12 . \mathrm{Kg} 2 \mathrm{Qc}+$ 13.Kh2 Qd6 + leaves W defenceless. Kb1. Nothing else is better: Kd2 $10 . \mathrm{Rg} 2+$, whereafter bK can neither quit the c-file nor step onto the $b$-file, because of wRg8. 10.Rg8 Rb2. Clearly the strongest, but we shall see that the discovered check is for once not fatal. 11.h8Q clQ + 12.Rg2 Qf4 + 13.Kh1, and the only checks left to $\mathrm{Bl}(\mathrm{Qcl}+$; or $\mathrm{Qfl}+$;) would be fatal. This really is the end! Or: Rd8 9.Kf2. Not 9.Kh2? Kbl 10.Rg8 clQ. Kb1 10.Rb7 + Ka2 11.Ra7 + Kb3 12.Rb7 + Kc3 13.Rc7 + Kd2 14.Rd7 + Rxd7 15.h8Q c1Q 16.Qh6 + Kd1 17.Qh1 + Kc2 18.Qc6+, with capture of bR. i) $2 . \mathrm{Kh} 2 \mathrm{c} 23 . \mathrm{Rc} 8 \mathrm{Kd} 24 . \mathrm{Rd} 8+\mathrm{Kcl}$ 5.Rd6 Rc5 6.Kg3 Kbl 7.Rb6+Ka2 8.Ra6+Kb3.
ii) Rh5 3.Rd8 $+\mathrm{Kcl} 4 . \mathrm{Rd} 6 \mathrm{c} 25 . \mathrm{Kg} 2$, 'drawing because bR has no way to gain a tempo'.
iii) 8.h7 Rb8 9.Rb7 Rxb7 10.h8Q Kbl 11. Qc 8 Rg 7 + and c1Q, while if, in this, $9 . \operatorname{Rg} 7 \mathrm{~Kb} 10 . \mathrm{Rg} 8 \mathrm{Rb} 2$ with a mating attack.
iv) Here, Rb8; fails to 9.Rc6 Kd2 $10 . \mathrm{Kg} 3$, supporting whP to draw. v) $8 . \mathrm{Kgl} \mathrm{Qd} 49 . \mathrm{Kf1} \mathrm{Qal}+10 . \mathrm{Kg} 2$ $\mathrm{Qg} 7+$.
vi) $10 . \mathrm{Rg} 3+\mathrm{Ke} 2$ 11.Kh3 Qh8.
vii) Kd3? 11.Kf3 Rxh7 12.Rxh7 clQ 13. $\operatorname{Rd} 7+$.
viii) $10 . \mathrm{Rxb} 8 \mathrm{clQ}+$ capturing either wR or wP. 10.Rg2 + Kd1 11.Rg8 clQ wins.


No.7982: David Gurgenidze (Georgian SSR).
I: 1.Kxf2/i Qh4 + /ii 2.Rg3 Qh2 + 3. $\mathrm{Rg} 2 \mathrm{Qh} 4+4 . \mathrm{Rg} 3 \mathrm{~d} 1 \mathrm{~S}+5 . \mathrm{Kg} 1$ Sxe3 6.Rg8 + Kxg8 stalemate, i) 1.Kxd2? f1S +2 .Kel Sxe3 3.Rh2, and if now $\mathrm{Sc} 2+$ ? 4.Kf1 Qxh2 stalemate, but $\mathrm{Sg} 2+$; instead wins.
ii) d1S + 2.Kg1 Sxe3 3.Rh2 drawn.

II: $1 . \mathrm{Kxb} 2 / \mathrm{i}$ dIS $+2 . \mathrm{Kal} / \mathrm{ii} \mathrm{Sxc} 3$ 3.Rf2 Qxf2 stalemate.
i) 1.Kxd2? b1S + ? 2. Kel Sxc3 3.Rf2 is drawn, but 1.Kxd2? $\mathrm{Qg} 5+2 . \operatorname{Re} 3$ blS + wins.
ii) 2.Kcl? Sxc3 3.Rf2 Se2 + wins, but not $\mathrm{Sa} 2+$ ? 4. Kd1 with a stalemate combination.


No.7983: Oscar Carlsson and Carlos A.Peronace (Argentina). 1.Ba4+ Ke7 2.Re8 + Kf7 3.Rh8 Sg6 + 4.Kg3 $\mathrm{Be} 5+5 . \mathrm{Kg} 2$ Sxh8 6.Bd1 Kg6 7.Ba4 Kf6 8.Be8 Ke7 9.Bh5 draw.

DVH: Charming and original.


No.7984: E.Bogdassarian (USSR). 1.Ba4/i Se3 2.Bd7 Sc4 3.Ba4/ii, with: Se5 4.Be8 Sg4 + 5.Kh5 Se3 6.Bd7 Bc2 7.Be8 Bf5 8.Kh6 Bc2 9.Kh5 Bd3 10.Bd7 Bg6 + 11.Kh6 Sc4 12.h5 Bf7 13.Ba4 Se5 14.Kh7 Sf3 15. $\mathrm{Bc} 2 \mathrm{Sg} 5+$ 16.Kh6 Bg 8 17.Bb3 drawn, or Se 3 4.Bd7 Bg6 5.Be6 Bc2 6.Bc8(h3) Sc4 7.Bd7 Sd6 8.Kh5 Sf7 9. $\mathrm{Bf} 5 \mathrm{Bdl}+10 . \mathrm{Bg} 4 \mathrm{Ba} 4$ 11. Bd 7 Bb 3 12. Bf 5 Bc 4 13. Bd7 drawn.
i) 1.Bb3? Se5.1.Bg4? Sd6. 1.Be2? Se3 2.Bb5 Bc2 3.Bd7 Sc4 4.Be8 Sd6 5.h5 Bb 3 6. Bg 6 Bg 8 wins.


## DVH: Pedestrian.

No.7985: Noam Elkies (Israel). 1.g7 $\mathrm{Rf} 1+2 . \mathrm{Kg} 4 \mathrm{Rg} 1+3 . \mathrm{Kf} 4 \mathrm{Rf} 1+$ 4.Ke3 Rel + 5.Kf3 Rxe6 6.Re4, with: Rxe4 7.Kxe4 d6/i 8.Kd3 c5 9.Kc4(d4) wins, or c5 7.Rxe6 de 8.Ke4 f5 + (e5; D5) 9.Ke5 wins, or f5 7.Rxe6 de 8.Kf4 c5 9.Ke5 wins.
i) d5 + 8.Kd4. c5 8.Kd5 d6 9.Kc4 f5 10.Kd5 wins.


No.7986: Yuri Makletsov (USSR). 1. $\mathrm{Rc} 8+/ \mathrm{i}$ Rxc8 2.Bd6 + Rc7 3.Bxc7 + Ka8 4.b6, with: Be5 5.Bd6 Qxd6 (Bxd6; b7 + ) 6.Rc8 + Qb8 $7 . \mathrm{b} 7+$ mates, or $\mathrm{Bc} 35 . \mathrm{Rg} 1 \mathrm{Bg} 7$ 6. Rxg 7 Qg 6 7. $\mathrm{Rg} 8+\mathrm{Qxg} 88 . \mathrm{b7}+$ mates.
i) The original diagram (and solution) showed wRc3, with c5 empty, allowing mate in 3 by 1.Bd $6+$. The simple correction is ours.

No.7987: Emilian Dobrescu (Romania). 1.Rh7 Qg8 2.aRg7 Qf8 3.Rc7 + Kb6 4.Rb7 + Ka6 5.Ra7 + Kb6 6.aRb7+Kc6 7.bRc7 + Kd6 8.cRf7 Qa8 9.Rd7+ Kc6 10.Ra7 Qg8 11. a Rg 7 , positional draw.



No.7991: Peter Gyarmati (Zalaegerszeg, Hungary). 1.Kg5 Rf3 2.Rg4 h2 3. Kg 6 Kg 8 4.Rd8 + Rf8 5.Kh6 + Kf7 6.Rg7 + Kf6 7.Rxf8 + Ke5 8.Rg5 + and mates.


No.7992: L.A.Mitrofanov (Leningrad). 1.Sf4 g5 2.Sh3 g4 3.Sf2 g3 $4 . \mathrm{Se} 4 \mathrm{~g} 25 . \mathrm{Sd} 6 \mathrm{~g} 1 \mathrm{Q} / \mathrm{i} 6 . \mathrm{Sb} 7+\mathrm{Kb} 5$ 7.a4+ mate.
i) bc $6 . \mathrm{Sc} 4+\mathrm{Kb} 57 . \mathrm{a} 4+$ mate .

No.7993: M.Gogberashvili and K.Sumbatyan (USSR). 1.Sc3 Sxc3 2.a8Q b1Q + 3.Kxh8 Qb6 4.Qxa3 + Kf7 5.Sg5 + Bxg5 6.Be8 + Kxe8 7.fg Kf7 8.Qb3 + Qxb3 9.g6 + Ke7 10.g7 drawn.


No.7994: Alexey Sochniev (Leningrad). 1.Sh2 Kf2 2.a4 Kg3 3.Sf1 + Kf2 4.Sd2 Ke3 5.Sc4 + Kd4 6.a5 Kc5 7.a6 Kc6 8.Kd8 f3 9.Kc8 f2 10.a7 f1Q $11 . \mathrm{a} 8 \mathrm{Q}+\mathrm{Kc} 5 \mathrm{12.Qa7}+\mathrm{Kc} 6$ $13 . \mathrm{Qb6}+\mathrm{Kd} 514 . \mathrm{Se} 3+$ wins.


No.7995: Leonard Katsnelson (Leningrad). 1.Bb3 d3 2.h5 d2 3.h6 Kd 34 . $\mathrm{Bd} 1 \mathrm{~b} 3+5 . \mathrm{Kxb} 3 \mathrm{Bc} 36 . \mathrm{Bc} 2+$ Kd4 7.h7 d1Q 8.h8Q + wins.


No.7996: Sergei Kasparyan (Erevan, USSR). 1.Bb4 d2 2.Se4 d1Q 3.Sc3 + Kel 4.Sxd1 + Kxd1 5.Bd6 b6 6.Kxb6 Kd2 7.Sb3 + Kc3 8.Sc5 Kc4 9.Kc7 Kd5 10.Sd3 wins.

DVH: neat.


No.7997: Jan Lerch (Czechoslovakia). Judge: Làszlò Zoltàn (Budapest). 1.d6 Be8 2.Sf6 Bc6 (Bb5; Kc5) 3.Kc5 Bb5 4.Kb6 Kb4 5.Sd5 + Kc4 6.Se3 + Kb4 7.Sc2 + Ka4 8.Kc7 Be8 9.Kd8 Bh5 10. Se 3 Be 11.Ke7 Bb5 12.Sc2 Bc6 13.Sd4 Bb5 14.Sxb5 wins. Wonderfully aesthetic gyrations of
both K's and both pieces in this unique solution to an utterly natural position which looks as if it is straight out of Basic Chess Endings but it isn't! The composer demonstrated the solution at the October 1989 CESC meeting and confirmed that without bPa5 the position would be drawn.


No.7998: P 1 Benk (USA and Hungary). 1.b4 Se2/i 2.b5 Sd4/ii 3.b6 Sc6/iii 4.b7 Sd8/iv 5.b8B, with: Sc6 6. $\mathrm{Bg} 3 / \mathrm{v} \mathrm{Se} 7+$ 7.Kf7 Sg 6 8.Bg8 Se5 + 9.Ke8/vi wins, or Se6 6.Bd6/ vii Sf8 + 7.Kf7 Sxh7 8.Be7 wins. i) Se 4 2.Kf5 Sd2 3.Bg6 Sxf3 4.Ke4 wins.
ii) Sf4+3.Kf5 Se2 4.Ke5 wins.
iii) Sxf3 4.b7 Se5 + 5.Kf5 Sd7 6.Bg6 Kg 8 7.Be8 Sb8 8. Ke6 g5 9.Bh5 wins. iv) If Sb8;, then f3-f4-f5-f6, gf; Kh6 wins.
v) 6.Bc7? $\mathrm{Se} 7+7 . \mathrm{Kf} 7 \mathrm{Sd} 5.6 . \mathrm{Bh} 2$ ? Se5 + 7.Kf5 Sxf3 drawn.
vi) $9 . \mathrm{Ke} 7(\mathrm{f} 8)$ ? $\mathrm{Sg} 6+$. 9.Ke6? Sxf3. vii) 6.Be5? Sf8 $+7 . \mathrm{Kf} 7 \mathrm{Sg} 6$ (Sxh7? Bxg7 mate) draws. 6.Bg3? Sf4 +/viii 7.Kg5 Se6 +/ix 8.Kf5 Sd4 + 9.Ke4 $\mathrm{Se} 210 . \mathrm{Bg} 6 \mathrm{Sxg} 3+11 . \mathrm{Ke} 3 \mathrm{Sf} 1+$ drawn. 6.Kf5? $\mathrm{Sd} 4+$ 7.Ke5 (Ke4,Sc6;) Sxf3 + draws, but not Sc6 + ? 8.Kd6 Sxb8 9.Bd3 and W wins.
viii) Sf8 + ? 7.Kf7 Sxh7 8.Bh4 wins. ix) Se 2 ? 8.Bd3 Sxg 3 9.Kg4 Sh 1 10. Be 2 wins.


No.7999: Emilian Dobrescu (Romania). 1.Rg1 + Kxg1 2.g8Q Qf1/i 3.Rb2 Se2 + 4.Kh4 + Kh1 5.Qd5 + $\mathrm{Kg} 16 . \mathrm{Qg} 5+\mathrm{Kh} 1$ 7.Qh6 Kg1 8.Qg6 + Kh2 9.Qg3 + Kh1 10.Qh3 + $\mathrm{Kg} 111 . \mathrm{Qg} 4+$ wins.
i) W wins after Qd6 $+3 . \mathrm{Kf} 3+$, or Qd4 3.Kf3 + , or Qf5 3.Rf7, or Qc6 3.Rb2, or Qc3 + 3.Kh4 + .


No.8000: O.Pervakov (Moscow). 1.Sg8 Rf4 2.Sg7 Kh4 3.Sh6 b4 4.hSf5 + Kg4 5.Se3 + Kh4 6.Sd5 Rg4 + 7.Kh2 b3 9.Sf6 Rf4 9.Sf5 + Rxf5 10. Bg3 mate.

No.8001: Ervin J nosi (Hungary). 1. $\mathrm{Rg} 2 \mathrm{Sf} 3+2 . \mathrm{Kfl} 1 \mathrm{Bd} 3+3 . \mathrm{Kf} 2 \mathrm{Sxh} 4$ 4.Rh2 g5 5.Sxg5 + Kg6 6.Se6 Bf5 7.Sf8 + Kg5 (Kf7; Rxh4) 8.Kg3 Sg6 9.Sh7 mate.

No. $8001 \quad$ E. Janosi(ix.88) 2nd Hon. Men.,
Sakkelet
1988


No.8002: Jan van Reek (Netherlands). 1.a7 + Ka8 2.f5 g3 3.f6 Sf4 4.f7 Se6 5.Kxg3 Sd8 6.f8S Se6 7.Sg6 Sf4 8.Se5 Sd3 9.Sg4 Sc5 10.Se3 Sxa4 11.Sd5 wins.


No.8003: A.Sochniev (Leningrad). I: Rd7 + Kel 2.b4 Ra8 3.Rd8 Rxd8 4.cdB Kd2 5.Bh4 Kc3 6.b5 Kb4 7.b6 Kb5 8.b7 Ka6 9.b8R wins, but not 9.b8Q? elQ + .

II: 1.Rd7 + Kel 2.c8Q Rxd7 3.Qcl + Rd1 4.Qc3 $+\mathrm{Rd} 25 . \mathrm{Qb} 4 \mathrm{Kdl}$ $6 . \mathrm{Qbl}+$ mates.


No.8004: Michal Hlinka (Kosice, Czechoslovakia). 1.Kb2 Rd2 + 2.Kal $\mathrm{Bg} 7+3 . \mathrm{Se} 5 \mathrm{Re} 24 . \mathrm{Rc} 3$, with: Ke1 5.Sf3 + Kf2 6.Sd4 Bxd4 stalemate, or Rxe5 5.Kxa2 Re2 + 6.Kb1 Bxc3 stalemate.


No.8005: G.Amiryan (USSR). 1.Sf6 + Kh8 2.gSe8, with: Qxa5 3.Sd5 + Kh7 4.eSf6 + Kh8 5.Sd7 + Kh7 6.Sf8 + Kh6 7.Bxf4 + Kh5 8.Sf6 + Kh4 9.Sg6 mate, or Sg 6
3.Kxg6 Qxe2 4.Se4 + Kg8 5.S8f6 + Kh8 6.Sg4 + Kg8 7.Sh6 + Kf8 8.Bd6 + Ke8 9.Sf6 + Kd8 10.Sf7 + mate. 'Echoed mates' (DVH).


No.8006: Csaba Meleghegyi (Hungary). 1.h6/i Kg6 2.Rh3/ii Rf7/iii 3.h7 f2 4.Rh6 + Kg5 5.Rh5 + Kg4 6.Rh4 + Kg3 7.Rh3 + Kg2 8.Rh2 + draw.
i) $1 . \mathrm{Ke} 3 ? \mathrm{Kg} 5$ 2.Rh1 Kh6 $3 . \mathrm{b} 4 \mathrm{a} 4$ 4. Kxf3 Rb3 + 5.Ke2 Rb3 6.Rh4 a3 and Bl wins.
ii) $2 . \operatorname{Rf} 4$ ? b4 (Rf7? h7) 3.Rxf3 Rc3 + 4.Ke2 Rxf3 5.Kxf3 a4. 2.Ke3? Kh7 3.b4 Rc4 4.Rxc4 bc 5.ba c3 6.a6 c2 7.Kd2 f2.
iii) f2 3.Ke2 Rc2 + 4.Kf1 Kh7 5.Rh5 draw.


No.8007: Mario Matous (Prague). The event was the second international tourney for miniatures organised by the Kurgan newspaper. The tourney may also be referred to as 'Kom-somol-70'. Judge: Aleksandr Petrovich Maksimovskikh (Kurgan, USSR), who confesses in an interview in Shakhmatisty Rossii (9/89) to a weakness for miniatures. Over 100 entries were received, from Czechoslovakia, Yugoslavia and Sweden as well as from the USSR.
The diagram shows a draw on material but wR is en prise, and wS could also be lost. 1.Rh3/i Ra5 + 2. $\mathrm{Kg} 4 / \mathrm{ii}$ $\mathrm{Ra} 4+3 . \mathrm{Kg} 5 / \mathrm{iii} \mathrm{Rb} 64 . \mathrm{Rf} 3 / \mathrm{iv}$ Rh6 5.Sg4/v Rg6+ 6.Kh5 gRxg4/vi 7.Rg3 and stalemate comes to W's rescue. i) $1 . \mathrm{Rb} 8$ ? Rg6 $+2 . \mathrm{Kf} 4 / \mathrm{vii}$ aRf6 + 3.Ke4 Rg2 4.Sf3 Rg4+ 5. Ke 3 Rg 3 and wS is lost.
1.Rh5? Ra5 + 2.Kg4 Rxh5 3.Kxh5 Rh6 + .
ii) $2 . \mathrm{Kh} 4$ ? $\mathrm{Rh} 6+3 . \mathrm{Kg} 3 \mathrm{Ra} 3+$.
iii) $3 . \mathrm{Kg} 3$ ? $\mathrm{Ra} 3+4 . \mathrm{Kg} 2 \mathrm{Rg} 6+5 . \mathrm{Kh} 1$ $\mathrm{Ral}+$ (Rxh3?).
iv) $4 . \mathrm{Kf} 5 ? \mathrm{Rb} 5+5 . \mathrm{Ke} 6 \mathrm{Ra} 6+6 . \mathrm{Kd} 7$ Rb7+7.Kc8 Rf7 8.Rg3 + Kf8 9.Kb8 Re6 10.Rc3 Re8 + 11.Rc8 Rxc8 + 12. Kxc8 Rf4 and wS is lost.
v) $5 . \mathrm{Rf} 2$ ? or $5 . \mathrm{Sf} 1$ ? are met by Rg6 + 6.Kh5 Ra8 and Rh8 mate.
vi) $\operatorname{aRxg} 4$ 7.Rf7 + Kh8 8.Rh7 + Kg8 9.Rh8 + Kf7 10.Rf8 + and draws by perpetual check, for example, Ke6 11.Re8 + Kf5 12.Re5 + Kf4 13.Rf5 + Kg 3 14.Rf3 +Kh 2 15.Rh3 +Kg 1 16.Rh1 + Kf2 17.Rf1 + .

No.8008: Leonard Katsnelson and Leopold Mitrofanov (Leningrad). 1.Rd8 $+\mathrm{Kf7} / \mathrm{i} \quad 2 . \mathrm{Rf} 3+\mathrm{Ke7} / \mathrm{ii}$ 3.R8f8 Rc6 + 4.Kxc6 Bg2 5.R8f4 h2 6.Re4 + Kd8 7.Rf8 mate.
i) $\mathrm{Ke} 72 . \mathrm{R} 3 \mathrm{~d} 7+\mathrm{Kf} 63 . \mathrm{Rf} 8+$ and 4. Rxf1.
ii) Rf6 3.Rxf8 $+\mathrm{Kxf} 84 . \mathrm{Rxf} 6+\mathrm{Kg} 7$ 5.Rxf1 wins.


No.8009: Valery Vlasenko (Komsomolsky, Kharkov region). 1.Kd2 Bh7 2.Kc3 Bf5 3.Kc4 Be6 + 4.Kc3 Bb3 5.Kd2 Kb4 6.Kcl Bd5 7.Kbl Kb3 8.Kal Bg8 9.Kbl Bc4 10.Kal Kc2 11.b3 Bd3 (Bxb3 stalemate) 12.Ka2 $\mathrm{Kcl} 13 . \mathrm{Ka} 3 \mathrm{Kb1} 14 . \mathrm{Ka} 4 / \mathrm{i} \mathrm{Kb} 2 / \mathrm{ii}$ 15.Ka5 Kc3 (Kxb3 stalemate) 16.Ka4 Kb2 17.Ka5, positional draw. The award draws attention to an article by the composer (64-Sh.Ob. 3/1989) where the failure of $3 . b 4$ ? is demonstrated.
i) 14.Kb4? Bxa6 15.Ka5 Bf1 $16 . \mathrm{b} 4$ a6 and Bl wins.
ii) Bxa6 15.b4 Bf1 16.b5 draws.

DVH: a new contribution to theory.

