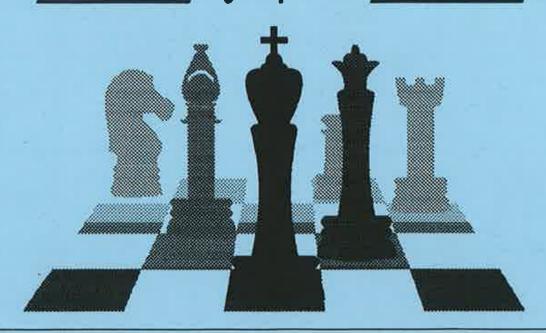
SELECTIVE SEARCH The COMPUTER CHESS Magazine

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Editor: Eric Hallsworth



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- •SELECTIVE SEARCH is produced by *ERIC HALLSWORTH*. All CORRESPONDENCE and SUBSCRIPTIONS to Eric please at The Red House, 46 High Street, Wilburton, Cambs CB6 3RA. Or e-mail: eric@elhchess.demon.co.uk
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 Readers are welcome to ring.



Computer BEST BUYS - Editor's Choice

The RATINGS for the computers and programs which follow can be found on pages 27 and 28. I have not tried to include all available machines - this is my 'short list' of those I consider to be the current 'BEST BUYS' at various price points and playing strengths, also bearing in mind features and quality etc.

PORTABLE COMPUTERS

Kasparov

ADVANCED TRAINER £79 - nice plug-in TRAVEL CHAMPION £99 - with display TRAVEL CHAMP 2100 £139 £129 - great value, 4½"x4½" plug-in board + display Novag

JADE2 £99 - tiny 3½"x3½" board portable SAPPHIRE £199 - calculator style, strong

TABLE-TOP PRESS-SENSORIES

Fidelity

CHESSTER £159 - voice model, 160 BCF Kasparov

EXECUTIVE £99 - GK-2000 Morsch prog. Display etc, plus lid cover. Terrific value! GK-2100 £169 £159 - top quality Morsch program, clever display, recommended.

Novaa

DIAMOND £249 - testing playing style.

Mephisto

DALLAS 68000XL £165 - on special offer NIGEL SHORT £199 - laptop lid, Staunton + disc pieces, graphic display - great! MONTREUX £449 - very strong, dynamic. LONDON PRO 68020 £685 - new! Top strength, excellent features and analysis.

WOOD AUTO-SENSORIES

Kasparov

PRESIDENT £299 £289 - top value wood board... ever! - good display + features.

Mephisto

EXCLUSIVE RISC2 £945 - very strong!
EXCLUSIVE LONDON 68030 £1395 new! The PC's Genius3 (which beat Kasparov) in 68030/33MHz! - tremendous!

2nd. hand Modules sometimes available
Tasc

R30-1995 £1249 - beautiful, piece recognition board, very strong, dynamic play.

Further info. is given in Catalogues available from COUNTRYWIDE - see their address on the front page. It is always worth ringing to check any extra cost for a mains transformer where applicable, but 48 hour insured post and packing are included free. This list is brought up-to-date for each Issue of my Magazine.

PC PROGRAMS

HIARCS4 £89 - excellent playing style GENIUS4 for Windows £89 - high quality GENIUS3 £69 - MS-DOS version, strong! MChess PRO5 £89 - big opening book. REBEL7 £79 - Ed Schroder's best yet! FRITZ3 £79 - by Morsch, strong at tactics FRITZ4 (CD ROM) £89

Also for Apple MAC
HIARCS4 £89 - best by far for the MAC
OTHER GAMES for PC!
Draughts & Othello, on 1 (Win) disk! £39

PC DATABASES

ChessBASE for Windows (CD or Disk)
"The" games and work DATABASE.
'Basic' package 235,000 games £225
'Prof package 300,000 games+ £325
'Mega' package 450,000 games+ £449
Analysis modules, to use within CBase:
FRITZ £45 (almost indispensable?!)

BOOKUP for Windows £159 - very useful tool, now incl. Zarkov analysis module. BOOKUP for MS-DOS £119

PC WOOD AUTO BOARDS

A great idea! Plug one into your PC, and play against your favourite program on a proper wood, auto-sensory board!

Tasc SMARTBOARD £399 - the superb R30 board, 64 leds - piece recognition!

Mephisto/Kasparov AUTOBOARD £299 - real quality, lovely wood and pieces.

Chess 232 BOARD £229 - a cheaper board, but works well.

Auto 232 TESTER £89 complete - user can link PC's, and actually let 2 programs play against each other automatically!

NEWS and RESULTS, Issue 65

CORRECTION

Not the best way to start, perhaps. But I made a mistake... might as well own up!

In the last Issue I referred to the program Schach3 as being Ingo Althoefer's concept in which he used 2 programs (MChess Pro5 and Rebel7) simultaneously, playing their move when they agreed, or chosing his own preference (from their two selections) if they differed.

Roland Pfister reminds me that I have got my programs mixed up: "a big error", he says - quite right! In fact it is Drei Hirn which is represented by the above idea, and Schach3 is a standard type of program by Matthias Engelbach and Thomas Kreimair. So that no injustice may seem to remain outstanding, their Aegon scores and gradings were:

Drei Hirn (the 2+1 concept) $3\frac{1}{2}$, 2370 Elo **Schach3** also $3\frac{1}{2}$ /6 for 2280 Elo.

SAD NEWS

I am sorry to have to tell readers that my good friend, and our CORRESPON-DENCE section author, **Phil GOSLING**, died at the end of June.

He had endured a short illness, struggling with his glaucoma problem. After a difficult time, and learning that he would not get his sight back, he then had a heart attack at home. His wife, Mary, was with him and tells me had remained cheerful

throughout.

That is what I will remember about **Phil** - he was at all times cheerful and friendly, with time to talk. He loved his chess and the exploits with MEPH. Readers will miss his always interesting contributions, and I will miss his often amusing letters, as he shared some of the fun he had, as he watched and supported MEPH in its struggle with some pretty tough opposition.

He and Mary gave a new name to his wildest invention, which he thrust on poor MEPH against SS reader and 2400 player Denis Humphrys: the Becket Opening! 1.g3 and 2.Bh3, usually losing the King's Bishop very quickly - thus the name!

NEW PRODUCTS

The set of 'MasterBooks' for GENIUS PC programs, based on the ECO A00-E99 coding system and on 5 disks, has been updated now to a set of 'Grandmaster-Books'.

These are available on either CD-ROM or a Disk set, and give a total integrated Opening Library of around 300,000 variations (millions of moves if you include transpositions, which are recognised

automatically).

Genius4 is programmed to load the appropriate book, each of which is based entirely on Master games from the most important Tournaments, so users of this huge collection will have complete access to contemporary opening theory. Fully inclusive prices are as follows:-

CD-ROM £130.

Disk set £140.

Upgrade set (return of previous disks re-

quired) £60.

Previous (1994) set: We still have one set of the earlier 'MasterBooks' at the office, which is available for £89 complete.

HIARCS4 for the MAC has been out for some time now, but we are able to give some information at last on the sort of grading it will achieve on the MAC, compared to the PC.

As with pretty well all the other Macintosh chess programs HIARCS isn't accelerated for Power PC performance, so the Connectix utility "SPEED DOUBLER" is a 'must' to get the best performance.

Even then the program on a Pentium PC will run around twice as fast as it will on a MAC - with the Speed Doubler - at

the same MHz clock rate.

Interpreting these facts the HIARCS MAC performance will be perhaps 80 Elo below a PC Pentium and, without the Speed Doubler, the gap may be as much as 180 or 200 Elo!

Richard Powell on the Internet kindly posted the following estimated ratings after putting four MAC programs through the CCR One-Hour test, with and without the Speed Doubler.

Program	With SD	W/out SD
HIARCS4	2330	2208
Sargon5	2220	2083
MacChess2	2130	2044
CMaster 3000	2060	2000

HIARCS comes out as the MAC's top program quite easily but, for the record, scored 2424 on a 486/PC in the same CCR test. Therefore the MAC estimated Elo figures seem just a bit low if the information given by our American friends (PC Pentium = 2 x MAC + Speed Doubler) is correct. Perhaps it would be wiser to consider the MAC+Speed Doubler version as 100 Elo below the PC HIARCS?!

RESULTS

Colin NEWBY has just sent me details of his recent results using 3 of the most popular dedicated machines:

Game in 60 RISC 2500 8-2 Diamond TravelChamp 2100 2½-6½ Diamond 60 moves in 1 hour RISC 2500 5½-4½ Diamond

The difference in the RISC 2500 v Diamond score at the two time controls is quite interesting. In the G/60 match it went 6-0=4, but the later series was very close at 4-3=3!

Frank HOLT would easily win the prize as our most frequent results contributor! He is still hard at it with his beloved Rebel7, and has now completed a series against Hiarcs4 and the CD-ROM Fritz4. Here is how these two matches finished up:

	R7	-F4	R7 - H4
Aggressive	61/2	-51/2	5½ -6½
Active	41/2	-71/2	61/2 - 51/2
Normal	61/2	-51/2	4 -8
Solid	7	~5	6 -6
Defensive	71/2	-41/2	7½ -4½
Total	32	-28	291/2 - 301/2

As always not all of the scores have

been counted for rating purposes, as Frank puts Rebel7 on to each of its style settings for a 12 game series

for a 12 game series.

When comparing the results for the Rebel7 styles, these show quite a turn-around compared with some earlier results. Active and Aggressive have led the way previously, with Defensive apparently just over 15 BCF worse than the top styles.

Now, however, the totals from all matches against Genius2/3/4, MChess

Pro5, Fritz4 and Hiarcs4 are:

Aggressive Active	411/2	-32½ -30½	55% 58%
Normal	371/2	- 341/2	52%
Solid	40	-32	56%
Defensive	36	- 36	50%

Defensive still holds the rest up, but not by as much... and there is very little to choose between the other styles at all.

And what of **FRITZ4**?! In fact this was the first substantial score we had in for F4, though I am expecting the next results listing from Sweden will enable us to

assess the Fritz3->4 improvement.

Other results so far have been Aegon 2415 Elo, and Finland 2297 Elo, plus a few scattered scores of just one or two games which have implied the change is nominal (some have suggested, in fact, negative!?). It's all rather small sample so far, but Frank's score suggests that Fritz4 will show a higher grading than the 3's P/90 2446.

Frank made a few comments regarding Fritz4, which readers might like to take note of:-

The most annoying thing is that it doesn't hold the Last Game in memory, so you have to remember to save it before switching off

ing off.

One of the best things, which I love, is the range of sounds, comments, chatter and the occasional cough! The way it literally bangs some moves down and plays others quietly is neat - but sometimes the latter are so silent you don't even realise it's moved if you're not careful!

Surprisingly Frank says there is no display of opening names or ECO codes - al-

most mandatory nowadays?!

The overall operation is very smooth, with qualities similar to ChessBase, a 30,000 game database, and plenty of extra functions for intelligent teaching, 3D graphics, game histograms and natural language analysis when annotating games.

It's on CD-ROM, and is Windows only of course, price £89.

For readers who can remember as far back as SS/63 and the 1995 HARVARD CUP, a follow-up play off was held in May between the top player, Joel Benjamin (4½/6) and the top computer, Virtual

Chess (31/2/6).

The 4 game mini-Match was a Blitz (G/10) affair, thus giving the computer the right time control conditions to try and exact some revenge - the G.M's having won the official Match rather comfortably by 23½-12½. Benjamin, however, continued this earlier trend by winning 2½-1½. If I can get copies of the games, or any info on the quality or nature of them, I'll come back to this in our next Issue.

Another recent mini-Match involving FERRET was played on June 8th. on the Internet Chess Club, this time with US Women's Champion Angelina Belakovskaia (a wonderful American name, that) as the opponent.

Ferret's previous G/30 exploits had been somewhat 'up and down', with a 2-0 win over G.M Boris Gulko, but a 0-2 defeat against G.M Alexei Shirov (see SS/64). Perhaps 2 draws against Belakovskaia were inevitable, to balance the

books completely at 2-2=2.

In the games Angel, as she is popularly known, was never in any trouble, sticking totally to her pre-Match safety-first strategy of avoiding middle-game complications, however inviting a possibility might seem, and exchanging as early as possible into endgames. It is possible she might have had a win in the endgame of Game 2.

ICC Woman versus Machine Match White ANGEL Black FERRET Game 1: ECO D85, Gruenfeld: exchange variation

1.d4 Nf6 2.c4 g6 3.Nc3 d5 4.cxd5 Nxd5 5.Bd2 Bg7 6.e4 Nxc3 7.Bxc3 Nd7 8.Bc4 O-O 9.Ne2 e5 10.O-O Nb6 11.Bb3 exd4 12.Bxd4 Bxd4 13.Qxd4 Qxd4 14.Nxd4 c6 15.Rac1 Re8 16.f3 Bd7 17.Rfd1 Rad8 18.Kf2 h6 19.h4 Re5 20.Ne2 a5 21.a3 Rb5 22.Nd4 Re5 23.Ne2 Rb5 24.Nd4 Rh5 25.Kg3 Re8 26.Rc3 Re7 27.Ne2 a4 28.Ba2 Ra5 29.Nf4 Kg7 30.Nd3 Bc8 31.Rc5 Ra8 32.Ne5 f6 33.Nc4 Nxc4 34.Bxc4 Bd7 35.Ba2 b6 36.Rc2 Be8 37.Rd6 Rb8 38.Rcd2 b5 39.Rd8 Rbb7 40.Ra8 Bf7 41.Bxf7 Kxf7 42.Rdd8 Ke6 43.Rh8 h5 44.Rhg8 Rg7 45.Rae8+ Kd6 46.Rgf8 Kd7 47.Rd8+ Ke6 48.Rc8 Rgc7 49.Rfe8+ Kf7 50.Rf8+ Kg7 51.Rg8+ Kf7 52.Rgf8+ Kg7 53.Rg8+ Kf7 54.Rgf8+ Game drawn by repetition 1/2-1/2

White FERRET Black ANGEL

Game 2: ECO B14, Caro-Kann: Panov-Botvinnik, normal variation

1.e4 c6 2.d4 d5 3.exd5 cxd5 4.c4 Nf6 5.Nc3 Nc6 6.Bg5 e6 7.Nf3 Be7 8.a3 h6 9.cxd5 exd5 10.Be3 Ne4 11.Rc1 Nxc3 12.Rxc3 a6 13.Be2 O-O 14.O-O Bf5 15.Ne5 Rc8 16.Nxc6 Rxc6 17.Rxc6 bxc6 18.Qa4 Qb6 19.b4 Ra8 20.Rc1 Bd7 21.Bf3 Ra7 22.Ra1 a5 23.b5 Qxb5 24.Qxb5 cxb5 25.Bxd5 Rc7 26.Bd2 b4 27.axb4 Bxb4 28.Be3 a4 29.Rb1 Bf8 30.Rb8 Rc8 31.Rxc8 Bxc8 32.Bc4 Bf5 33.d5 Bb1 34.Bf4 a3 35.d6 a2 36.Be5 Bxd6 37.Bxa2 Bxe5

Game drawn by mutual agreement 1/2-1/2

Ross WITHEY (do folk remember his tactical test for computers which we ran some years ago?) wrote to compliment the Magazine on our article by Thorsten Czub ("Thorsten's wonderfully naive command of the English language is most refreshing in these days of slick Americanisms and hackneyed cliches").

Ross concludes, somewhat ruefully, that he wont be able to buy the main subject of Thorsten's article, CS-Tal, as he doesn't have a PC - "I don't quite understand why programs aren't always produced for PC's, dedicated boards and portables - if such a program came out on a portable, I would surely purchase it".

If there were enough of you, Ross, it

would certainly come out on a portable!

Ah. the good old pre-PC days, when we used to make a bit of a living!

Anyway, Ross concludes with a score from a 40/2 match he completed recently:

TC2100 1100010½00½0001½= 5½ Sapphire 0011101½11½1110½=10½

The danger of small sample is shown even here if you consider that the score af-

ter 6 games stood at 3-3!

Ross comments that he found the games somewhat disappointing, in that each of them plays most enterprisingly against him! "The problem," he concludes "is that they see each other's tactics coming and freeze each other out most of the time".

NEWS

Ed Schroder produced some unexpected figures in an Internet report recently, in which he showed the speed gains of various programs when playing on a PENTIUM PRO in comparison to a Pentium.

The Pentium Pro could have been called a 686, just as the standard Pentium was due to be designated a 586 before Intel thought of a fancy name. For now we'll use P6 and P5 to identify them, and maybe change the Rating List to these names for clarification at the appropriate time. Anyway, the P6 is thought to especially favour 32 bit coded programs, and Ed's Rebel7 was expected to show up well.

Ed posted the results of testing 5 programs on various positions, using each

program on a P5/100 and a P6/200.

Program	Factor	EqualMHz
Hiarcs4	2.81	1.40
Rebel7	2.76	1.38
MChessPro5	2.42	1.21
Genius4	1.90	0.95
Fritz4	1.88	0.94

'Factor' refers to the speed improvement of the P6/200 result over that on the P5/100 which, if a program worked exactly the same on both the P6 and $\overline{P5}$, would be 200/100 = 2.

The Hiarcs4 result is something of a surprise as it isn't, by Mark Uniacke's own admission, tuned for 32 bit coding - not that Mark will mind! Perhaps the Hiarcs4 and Rebel7 gains are therefore due in part to the fact that both are compiled from the 'C' language which itself is then able to take some advantage of the 32 bit facilities?... or maybe it's something to do with program size - the 'bigger' programs will get more help from a P6?

If we work on the (approximate) basis that a speed doubling is worth 60 Elo at the level and speed of these programs, the gain each of these programs should make, going from a P5/100 to a P6/200 would be:

Higres4	84 Elo
Rebel7	82 Elo
MChessPro5	72 Elo
Genius4	57 Elo
Fritz4	56 Elo

Regarding the '60 Elo' figure, this used to be considered as 80 Elo for each doubling. But it is obvious that it cannot possibly remain 80 for every single consecutive doubling for ever, otherwise Deep Blue would be over 3000 Elo and have crushed Kasparov. The figure, which was originally arrived at in the days of 6502 processors running at 3, 4 or 5MHz, must decline as each doubling takes the depth of search further away from the root position and the most critically necessary moves.

When time allows I will research this question and produce a graph to indicate the declining gains from speed doubling. For the present, however, there will certainly be some rejoicing in the Rebel and Hiarcs camps at the prospect of making a non-programmed 20-30 Elo gain over their rivals when the Pentium Pro comes into more popular use later this year.

The 1996 WORLD MICRO COM-PUTER CHAMPIONSHIP will take place in Jakarta, Indonesia (is it safe there, considering recent hostage events in the news?), the provisional dates being October 9-16. More info. as and when it becomes available

DEEP BLUE's future was questioned

recently in a rumour that the chess programming team had been fired because of "the bad result" against Kasparov. The indication was that the computer is destined to be used to predict the weather for the

forthcoming Olympics in Atlanta!

Indeed the latter part of the statement is known to be true, but the fear that Deep Blue's chess days are over - first implied on a Dutch Internet page - is 'guaranteed' as fiction by **Bob Hyatt** who says that he has heard 'no rumbles about the Deep Blue team being dismantled'. Bob restates his view that the result was 'not that terrible... no other program around can do what DB does... it played some really marvellous chess and, at one point at least, gave Gary quite a scare'.

The other view regarding the Match, of course, is that Kasparov dismantled DB's chess himself in the last two games - once he had measured his opponent - and the overall result confirms that speed and brute force will never undo the very top players in a Match over enough games to give the player time to assess his opponent

and apply his findings.

UPDATE: An Internet posting by DB programmer Feng-Hsiung HSU himself on 13th. June assured us it's an April Fool's

Day job.

I also learn there's an article in the current Issue of the USA's 'GAMES' mag, titled 'The Last Human Champion', in which a rematch is already being planned for early-1997, and Kasparov has expressed willingness to participate'.

On a similar theme the question of SHUFFLE CHESS has re-surfaced. As I write these notes the story I have is that Bobby Fischer is to emerge in Argentina and announce his complete rules for Shuffle Chess.

Partly designed to dispose of all current opening theory, which would presumably suit the non-playing Fischer, one wonders what the effect will be on Chess

Computer ratings?!

Issue 50 of our Mag. in early 1994 included 2 games by Britain's Jonathan SPEELMAN against FRITZ2 (both won by Speelman quite easily), and there are those who believe that the advent of Shuffle Chess would effectively put back any

hopes of a Computer winning the World Championship by a fairly large number of

years.

Following our 1994 article one or two players told me they had tried it out (easy to do via 'Set-Up' mode) and, at first, found it very disorienting. However once they had got something of a feel for it, they began to see their computer opponent's limitations. The computers tended to still aim for early central control with pawns, and were very slow to liberate their pieces with units on the a/b/g/h files often never seeing the light of day.

Indeed Speelman's own method had been to ensure immediate development of his queen and bishops from, in his two games, their corner squares, subsequently winning both games inside 40 moves.

What do readers think? How about Deep Blue or, say, Hiarcs or Rebel on a P6/200 against Kasparov at Shuffle Chess? Who do we think would win?

Is there even a need for Chess Vari-

ants?

Let's see what Fischer's rules are - and hope that there are no planned movement changes, in which case SetUp Mode on its own wont suffice, and the computers would need some re-programming - then maybe one or two bold readers will submit views plus games!?

Every now and then someone comes up with revised recommended settings for CHESSMASTER 4000, so here are the latest ones I've seen. Apparently they improve the results in various tactical tests by an average of 50 Elo points, but whether that improvement will be seen in complete games, who knows?

ChessMaster 5000 is still scheduled for sometime in Jul-Aug 1996, but Win95

only remember!

ChessMaster 4000 Top Settingst?: • attacker/defender • selective search • material position • mobility • king safety • pawn weakness • others unchanged

1996 AEGON REPORT

The AEGON Computer Chess Tournament has developed into the largest event of its kind in the world. Not only has it increased in size - this year the 6 round Event involved no less than 50 computer and 50 human entries! - but it regularly draws many GM's and IM's, some of whom have shown increasing computer awareness over the last 2 or 3 years!

For 1996 the Fischer Clock was in use, with each player having 1½ hours on their

clock, with 20 secs added per move.

Prelim. Event!

Before the main Event the Tournament opened with three G/10 double-round matches, starring FIDE World Champion Anatloy Karpov, and Holland's top two GM's, Jan Timman and Jeroen Piket.

Karpov was matched with WCC champ

Fritz P/166, and won $1\frac{1}{2}-\frac{1}{2}$.

Timman, with little experience of playing computers, got clear advantages in his games v. joint WMCC champ MChessPro P/166, but had to settle for 2 draws. Jan blamed his then-current 'form crisis' and felt he would normally have won both.

Piket, who has some computer experience, played The King2.5, beating it in an endgame in the first, then calculating deeper in a tactical second (The King's

forte?!), so winning both.

'Prelim' score: 4½-1½ for the G.M's!

The Main Event

Round 1

Whether by accident or design, there were no major match-ups in the first round. All the top GM's started off with wins, as did the top-rated programs with the exception of Genius4-PC, Hiarcs and WChess, which were each held to draws.

Round 2

Seirawan destroyed Comet in just 19 moves after a piece sacrifice barely out of

the opening.

Van der Wiel had to work harder for his win against the R30, which produced a lovely pawn sac'. The GM's plans were badly disturbed and he entered a Knight endgame clearly worse, until he found that the R30 didn't understand its fine points.

The GM's didn't have it all their own way though: Zarkov held Christiansen to a

draw, and Nimzo held Sofie Polgar. This was the round in which CS_Tal attracted attention with its queen sac on move 10.

Fritz disappointed, being easily held to a draw by Ludden (2195) and Genius4-PC went one worse, losing to Jongsma (1960).

Yasser Seirawan-COMET

1.d4 Nf6 2.c4 c5 3.d5 e6 4.Nc3 exd5 5.cxd5 d6 6.e4 g6 7.f4 Bg7 8.Bb5+ Nfd7 9.Nf3 O-O 10.O-O f5 11.exf5 Rxf5 12.Bd3 Rf8 13.Ng5 Nb6 14.Nxh7 Kxh7 15.Qh5+ Kg8 16.Bxg6 Bd4+ 17.Kh1 Qd7 18.f5 Na6 19.Bh6 1-0

TASC R30-John van der Wiel

1.e4 c6 2.c4 e5 3.Nc3 Bc5 4.Nf3 d6 5.Be2 Bg4 6.d4 exd4 7.Nxd4 Bxe2 8.Ndxe2 Nf6 9.Bf4 O-O 10.O-O Nh5 11.Bd2 Nd7 12.Na4 Re8 13.Qc2 Qe7 14.Nxc5 dxc5 15.f3 Rad8 16.Rad1 Nf8 17.Be3 f5 18.Rxd8 Rxd8 19.Nc3 f4 20.Bf2 Ng6 21.Rd1 b6 22.Rxd8+ Qxd8 23.b3 Ne5 24.Ne2 g5 25.Be1 Qd6 26.Bc3 Kf7 27.Qc1 Ke6 28.Bxe5 Qxe5 29.Kf2 Nf6 30.h4 h6 31.Qh1 g4 32.Qc1 g3+ 33.Ke1 Nh5 34.Qc3 Qxc3+ 35.Nxc3 Ke5 36.Ne2 Ng7 37.Nc1 Ne6 38.Kd2 Kd4 39.Ne2+ Ke5 40.Kc3 Kf6 41.Nc1 Kg6 42.Nd3 Kh5 43.Ne5 Kxh4 44.Nxc6 a5 45.Kd2 Kg5 46.Ne5 h5 47.Ke2 Nd4+ 48.Kf1 h4 49.Nd7 h3 50.Kg1 h2+ 51.Kh1 Nc2 52.Nf8 Ne3 53.Ne6+ Kh6 54.Nxf4 Nd1 55.Nd3 Nf2+ 56.Nxf2 gxf2 0-1

NIMZO-Sofia Polgar

1.d4 Nf6 2.c4 c5 3.d5 b5 4.cxb5 a6 5.bxa6 g6 6.Nc3 Bxa6 7.e4 Bxf1 8.Kxf1 d6 9.Nf3 Bg7 10.g3 Nbd7 11.h3 O-O 12.Kg2 Ra6 Qa8 14.Qc2 e6 15.dxe6 fxe6 d5 17.exd5 exd5 16.Ng5 18.f3 19.Rxe8+ Qxe8 20.Bd2 Nf8 21.Re1 Qd7 22.Qb3 c4 23.Qb4 Ra7 24.Bc1 h6 25.Ne6 Rb7 26.Nxf8 Bxf8 27.Qa5 Kh7 28.Rd1 Qe6 29.Qa8 Rf7 30.Qb8 Bc5 31.Qb5 Ba7 32.Bd2 Qf5 33.Qc6 g5 34.Re1 35.Nxe4 Qxf3+ 36.Kh2 dxe4 37.Qxc4 Bb8 38.Rg1 Rd7 39.Be1 Rc7 40.Qa4 Qe2+ 41.Kh1 Qf3+ 42.Kh2 Qe2+ 43.Kh1 Qf3+ 44.Kh2 1/2-1/2

Round 3

Quest (FritzX P/200)-Bronstein was a fascinating affair. The program went immediately for the attack and won an

exchange. The old master, however, had 2 strong bishops, and stopped its progress for over 30 moves until exhaustion and time trouble set in! Quest 1-0.

Rebel Aegon (latest RebelX) got a fine draw with Vaganian after the GM sac'd 2 pawns for an apparently very dangerous attack. Rebel defended superbly, freed itself, and made the draw easily in the end!

Hartoch also sac'd 2 pawns against Rebel7 - 'suicide' said the IM, 'I've killed myself!'. However, with a little help from his opponent, he went on to win!

Speelman went to 3/3 after a hard-

fought win over Virtua.

Seirawan, who lost to Haircs last year, didn't make the same mistake again and punished the program for a positional error

just out of book.

Van der Wiel tried Kasparov's 1.e3 idea against Frenchess and got what he called a 'gentle massage' position, much hated by computers! Frenchess then over-reached with its queen and lost material.

Rafael Vaganian-REBEL AEGON 1.Nf3 d5 2.g3 c6 3.Bg2 Bg4 4.O-O Nf6 5.d3 Nbd7 6.Nbd2 e5 7.e4 Be7 8.Qe1 O-O 9.h3 Be6 10.Ng5 Rc8 11.Ndf3 Qc7 12.Bd2 Od6 13.Bc3 dxe4 14.Nxe4 Nxe4 15.Qxe4 f6 16.d4 Bd5 17.dxe5 Nxe5 18.Qe3 Nc4 19.Qe2 Rfe8 20.Rfe1 Bf7 21.Nh4 Bf8 22.Qg4 Be6 23.Nf5 Qd7 24.Rad1 Nd6 25.Nh6+ Kh8 26.Qf4 Bxa2 27.b3 Rxel+ 28.Rxe1 Nb5 29.Bb2 Re8 30.Ra1 Bxb3 31.cxb3 gxh6 32.Bf3 Bg7 33.Bh5 Rf8 34.Rd1 Qe7 35.Qf5 Rd8 36.Rxd8+ Qxd8 37.Be2 Nd6 38.Qe6 c5 39.Bf3 b6 40.Bc6 a6 41.Bc1 Nb5 42.Bxb5 axb5 43.Bf4 b4 44.Bc7 Qg8 45.Qxb6 Qxb3 46.Qxc5 Qf7 47.Ba5 Bf8 48.Qb6 Qe7 49.Bxb4 Qxb4 50.Qxf6+ Bg7 51.Qd8+ Qf8 52.Qxf8+ Bxf8 53.Kg2 1/2-1/2

OUEST-David Bronstein

1.e4 c6 2.Nc3 d5 3.d4 dxe4 4.Nxe4 Nf6 5.Nxf6+ gxf6 6.c3 Bf5 7.Nf3 Nd7 8.g3 Qb6 11.Bf4 Qa5 e6 10.Qe2 Bg6 12.O-O-O O-O-O 13.Bb3 Nb6 14.Nh4 Nd5 15.Bd2 Nc7 16.h3 Be7 17.f4 f5 18.Nf3 Bh5 19.g4 fxg4 20.Ne5 f6 21.hxg4 Be8 22.Nd3 Nxe6 24.Qxe6+ Bd7 23.Bxe6+ 25.Qxf6 Rg8 26.f5 Qxa2 27.Bf4 Rxg4 28.Qe5 Rxf4 29.Qxf4 c5 30.Rxh7 c4 31.Nel Oal+ 32.Kd2 Oxb2+ 33.Nc2 Qb6 34.Ra1 a6 35.f6 Bd6 36.Qf3 Qb5 37.Rh5 Qb6 38.Rhh1 Bc6 39.Qf5+ Kb8 40.Rh7

Rf8 41.f7 Qd8 42.Rb1 Ka7 43.Ne3 Bd7 44.Qe4 Bc6 45.d5 Bc5 46.Kc1 Ba3+ 47.Kc2 Ba4+ 48.Kd2 Bc5 49.Qe5 Bb5 50.Ra1 Qb6 51.Rg7 Bd7 52.Nxc4 Qh6+ 53.Kc2 Bb5 54.Na5 Qh4 55.d6 Ba4+ 56.Kd3 Bb6 57.Nxb7 Bc6 58.Nc5 Bb5+ 59.Kc2 Qf2+ 60.Kb3 Rxf7 61.Nxa6 Bxa6 62.Qb5 1-0

REBEL 7-Rob Hartoch

1.e4 d6 2.d4 Nf6 3.Nc3 e5 4.Nf3 Nbd7 5.Bc4 Be7 6.a4 O-O 7.O-O a6 8.Re1 b6 9.Bd2 c6 10.d5 c5 11.h3 h6 12.Be3 Nh7 13.Ne2 Ng5 14.Ng3 Nxf3+ 15.Qxf3 Bg5 16.Bxg5 hxg5 17.Qh5 Re8 18.Bb3 Nf8 19.Re3 Ra7 20.Rc3 g6 21.Qe2 f6 22.Nf1 f5 23.Nd2 Nh7 24.Rg3 f4 25.Rc3 g4 26.hxg4 Ng5 27.Bc4 Kg7 28.Kf1 Rh8 29.Ke1 RhI+ 30.Nf1 f3 31.gxf3 Nh3 32.Qe3 Nf4 33.Kd1 Bd7 34.Rca3 Ra8 35.Kc1 Rb8 36.b3 b5 37.axb5 axb5 38.Be2 b4 39.Ra7 40.Bc4 Rb6 41.Kd1 Kg5 42.Ra8 Rb8 43.R8a6 Rb6 44.Ra7 Qe8 45.R1a2 Bb5 46.Kel Bxc4 47.bxc4 Qh8 48.Kd2 Rxf1 49.Ra1 Qh1 50.Rxf1 Qxf1 51.Ra4 Qxc4 52.Kc1 Ra6 53.Rxa6 Qxa6 54.Kb1 c4 55.Kb2 Qa5 56.Kb1 c3 57.Qc1 Qa4 58.Qd1 Oa3 59.Qc1 Qxc1+ 60.Kxc1 Ne2+ 61.Kd1 Nd4 62.Kc1 Nxf3 63.Kb1 Kxg4 0-1

HLARCS-Yasser Seirawan

1.d4 Nf6 2.c4 c5 3.d5 e5 4.Nc3 d6 5.e4 Be7 6.Nf3 Nbd7 7.Be2 O-O 8.Bd2 Ne8 9.O-O g6 10.Bh6 Ng7 11.Qd2 Nf6 12.h3 Kh8 13.a3 Ng8 14.b4 Nxh6 15.Qxh6 b6 16.h4 f6 17.Bd1 a6 18.Ba4 Ra7 19.bxc5 bxc5 20.Rfe1 Nh5 21.Bc6 Rg8 22.Qd2 f5 23.Ng5 Bxg5 24.Qxg5 Qf8 25.exf5 h6 26.Qg4 Nf6 27.Qf3 gxf5 28.Ne2 Rag7 29.Kh1 f4 30.Rg1 Bg4 31.Qd3 Nh5 32.Nxf4 exf4 33.Qc3 Qe7 34.g3 Qe2 0-1

Sofia Polgar-ZARKOV

1.e4 c6 2.d4 d5 3.Nc3 dxe4 4.Nxe4 Nd7
5.Nf3 Ngf6 6.Ng3 e6 7.Bd3 Be7 8.O-O
O-O 9.c4 c5 10.Bc2 cxd4 11.Qxd4 b6 12.b3
Bb7 13.Bb2 Bxf3 14.gxf3 Qc7 15.Kh1 Bd6
16.Rae1 Bf4 17.Rg1 Kh8 18.Nh5 Be5
19.Qh4 Bxb2 20.Rxg7 Rg8 21.Rxf7 Qc6
22.Be4 Nxe4 23.fxe4 Qd6 24.e5 Qd3
25.Qe7 Bc3 26.Rc1 Qg6 27.Ng3 Bb2
28.Re1 Nxe5 29.Rf6 Rae8 30.Rxg6 Rxe7
31.Rxg8+ Kxg8 32.Re2 Bc3 33.Kg2 Nd3
34.Re3 Nf4+ 35.Kf3 Rf7 36.Kg4 Bd4
37.Rf3 Be5 38.Re3 Ng6 39.f3 Bc7 40.Nh5
0-1

Round 4

The main game this round was Speelman (3/3)-Quest (3/3)... the only program on 100%. Jon got 'a nice, quiet position, where nothing awful can happen!" Then he messed it up and had to settle for a draw.

The computers were already well ahead of their human opponents, but only due to good results against the weak players. At the top end the GM's were nearly all getting good results: Van der Wiel and Seirawan 4/4; Speelman, Vaganian 3½/4.

However Rebel Aegon won a terrific game against Christiansen, and Fritz drastically punished a disasterous opening idea

by Jan de Boer (2421).

Rafael Vaganian-CHESSICA

1.Nf3 d5 2.g3 c5 3.Bg2 Nc6 4.d4 Nf6 5.O-O Bg4 6.dxc5 e5 7.c4 Bxc5 8.cxd5 Qxd5 9.Nc3 Qxd1 10.Rxd1 h6 11.h3 Bh5 12.Nh4 O-O 13.g4 Bg6 14.Nxg6 fxg6 15.Na4 Bd4 16.e3 Bb6 17.Bd2 Kf7 18.b4 Rfc8 19.Bc3 Ke6 20.Rd2 Rd8 21.b5 Rxd2 22.Bxd2 Nd8 23.Rc1 Nd5 24.Nc5+ Bxc5 25.Rxc5 Nf6 26.Bb4 a6 27.Rc7 Nd5 28.Bxd5+ Kxd5 29.Rxg7 axb5 30.Rg8 Rb8 31.e4+ Kxe4 32.Bd6 Rc8 33.Kg2 Ra8 34.Be7 Nc6 35.Rxa8 Nxe7 36.Rb8 Nd5 37.Rxb7 b4 38.Kg3 h5 39.gxh5 1-0

REBEL AEGON-Larry Christiansen
1.d4 Nf6 2.c4 c5 3.d5 e5 4.Nc3 d6 5.e4 Be7
6.g3 Nbd7 7.Be3 a6 8.f3 O-O 9.b3 Nh5
10.Qd2 Rb8 11.a4 g6 12.Bh3 f5 13.exf5
gxf5 14.Nge2 Kh8 15.Bh6 Rf7 16.O-O Qg8
17.Qc2 Qg6 18.Bd2 Ndf6 19.a5 Ng7
20.Na4 Qh5 21.Bg2 Bd7 22.Nb6 Be8
23.Rfe1 Nd7 24.b4 cxb4 25.Bxb4 Nxb6
26.axb6 Rc8 27.Qb3 Qg6 28.Kh1 Bd7
29.f4 e4 30.Rac1 h5 31.Qa3 Kh7 32.Bh3
Rg8 33.Nc3 Be8 34.Rg1 Rf6 35.Ne2 Qf7
36.Nd4 Rg6 37.Nb3 h4 38.gxh4 Nh5
39.Rxg6 Rxg6 40.Na5 Bxh4 41.Bxd6 Bf2
42.Nxb7 Ng3+ 43.hxg3 Rxg3 44.Qxg3
Bxg3 45.Rg1 Bh4 46.Nc5 Qh5 47.Rg2 e3
48.b7 e2 49.Nd3 1-0

Round 5

Van der Wiel found that Rebel Aegon's book and immediately subsequent ideas in a Petroff left him 'outplayed'. Then it calculated a way to 'win' a pawn in which the horizon effect caused its search to stop just a bit too soon. Van der Wiel prepared 'something nasty' and, by the time the program had seen it, it was too late.

Seirawan had an easy time v. Fritz. The program (which probably only won the WCC due to some better book preparation than Deep Thought) now blundered itself in the opening, on move 9. The GM immediately forced it into a won ending, and entertained the operator (Franz Morsch himself) by explaining the winning process as he went along.

Parada also seemed well on his way to an easy win against Quest. 'Suddenly I had 2 moves: the boring one which would win, and the beauty that goes for the gallery. I had a nice audience, so chose the latter!' It was a mistake, and Quest knew enough to

get the draw.

Ree beat HiTech in an astonishing finish, revealing a program bug when the computer, calculating around 100,000 positions a second, overlooked mate in 2!

Speelman, too, entered a Knight ending with slightly the worse position, but saw MChess Pro make a 1 move blunder to leave the GM with an easy win.

Seirawan and Van der Wiel thus went to the last round with both still on 100%!

FRITZ-Yasser Seirawan

1.e4 c5 2.c3 d5 3.exd5 Qxd5 4.d4 Nf6 5.Nf3 Bg4 6.Be2 e6 7.Na3 Nc6 8.Nb5 Qd8 9.Bg5 a6 10.Bxf6 gxf6 11.Na3 cxd4 12.Nxd4 Bxe2 13.Nxe2 Bxa3 14.bxa3 Qxd1+ 15.Rxd1 Rd8 16.Rxd8+ Kxd8 17.Nf4 Ke7 18.Ke2 Rc8 19.Rb1 Rc7 20.a4 Ne5 21.h3 f5 22.Nd3 Nc4 23.Nb2 Nd6 24.Nd1 f4 25.Rb3 e5 26.a3 f5 27.Nb2 e4 28.c4 Ke6 29.Rb6 Ke5 30.a5 Rc5 31.Kd2 Rxa5 32.a4 Rc5 33.Kc3 Rc6 34.Rxc6 bxc6 35.Nd1 c5 36.h4 a5 37.Kb3 Nc8 38.h5 Ne7 39.Nc3 Ng8 40.Nd5 Nf6 41.Ne7 Kd4 42.Nxf5+ Kd3 43.h6 e3 44.fxe3 fxe3 45.Ng3 e2 0-1

John van der Wiel-REBEL AEGON

1.e4 e5 2.Nf3 Nf6 3.Nxe5 d6 4.Nf3 Nxe4 5.Qe2 Qe7 6.d3 Nf6 7.Nc3 Nbd7 8.Be3 Nb6 9.O-O-O Ng4 10.Kb1 Nxe3 11.Qxe3 Qxe3 12.fxe3 Be7 13.Nb5 Bd8 14.e4 O-O 15.d4 f5 16.e5 dxe5 17.Nxe5 Be6 18.c4 a6 19.Nc3 Bf6 20.c5 Nd5 21.Bc4 Nxc3+22.bxc3 Rfe8 23.d5 Bc8 24.Nf3 f4 25.d6+Be6 26.d7 Bxc4 27.dxe8=Q+ Rxe8 28.Rhe1 Rxe1 29.Nxe1 Bxc3 30.Rc1 Bxe1 31.Rxc4 g5 32.c6 b6 33.Rd4 Bc3 34.Rd8+Kf7 35.Rd7+ Ke6 36.Rxc7 f3 37.gxf3 Kd6 38.Rxh7 Kxc6 39.Kc2 Be5 40.Rh6+ Kd5 41.Kd3 1-0

Jonathan Speelman-MCHESS PRO 1.d4 Nf6 2.Nf3 e6 3.g3 b5 4.Bg5 Bb7 5.c3 Be7 6.Bg2 O-O 7.O-O Na6 8.b4 Ng4 9.Bxe7 Qxe7 10.a4 c6 11.Ne1 bxa4 12.h3 Nf6 13.Nd3 Nc7 14.Nc5 Bc8 15.Oxa4 e5 16.e3 exd4 17.cxd4 d6 18.Nb3 Ba6 19.Rc1 Bb5 20.Qa3 Ncd5 21.Na5 Rac8 22.Qb3 Oe6 23.Na3 Nb6 24.Oxe6 fxe6 25.Bxc6 Ba4 26.Bxa4 Rxc1+ 27.Rxc1 Nxa4 28.Rc7 Ne4 29.f4 Rf7 30.Rc8+ Rf8 31.Rxf8+ Kxf8 33.Nc6 Ne4 32.b5 Nxg3 34.Nxa7 d5 35.Nc6 Ke8 36.Kg2 Nd6 37.Na5 Kd7 38.Nb3 Nc4 39.Nc2 Nc3 40.Nc5+ Kd6 41.Kf3 Nxb5 42.Ke2 Nc3+ 43.Kd3 Nd1 44.Ke2 Nc3+ 45.Kd3 Na2 46.Ke2 Ke7 47.e4 g6 48.Ne3 Nb4 49.Nxc4 dxc4 50.Kd2 Na2 51.Kc2 Kd6 52.Kb2 Nb4 53,Kc3 Nd3 54.Nxd3 cxd3 55.Kxd3 Kc6 56.Kc4 Kd6

VIRTUAL CHESS-David Bronstein

57.d5 exd5+ 58.exd5 1-0

1.e4 e5 2.Nf3 Nc6 3.c3 d5 4.Bb5 a6 5.Bxc6+ bxc6 6.Nxe5 Qg5 7.Nf3 Qxg2 8.Rg1 Qh3 9.Rg3 Qe6 10.Nd4 Qd7 11.e5 Ne7 12.Nf3 Nf5 13.Rg1 d4 14.d3 dxc3 15.Nxc3 c5 16.Bf4 Bb7 17.Qe2 Qc6 18.Ne4 O-O-O 19.b3 h6 20.O-O-O c4 21.bxc4 Ba3+ 22.Kc2 Qa4+ 23.Kb1 Bxe4 24.dxe4 Qb4+ 25.Ka1 Qc3+ 26.Kb1 Qb4+ 27.Ka1 Qc3+ 28.Kb1 Qb4+ 1/2-1/2

Round 6

Van der Wiel, against Quest, went wrong after the opening when he found himself forced to exchange the 'wrong' bishop. 'The only chance to play for the win looked suicidal, and I must admit I was feeling very tired'. The GM proposed ½-½ on move 29, much to Morsch's delight he's had a good year, and Quest finished top program (on tie-break) with 4½/6.

Seirawan thus won with 6/6 by easily beating NightmareN. The program castled right into his attack. 1-0 in just 21 moves!

Tiredness was affecting most of the GM's - apart from Seirawan only Christiansen-Fritz (in 27 moves!) and Vaganian-Arthur went 1-0. Speelman-King and Bronstein-Kallisto went ½-½, while Ree-Zarkov, Parada-Now and Kosashvili-Nimzo were all 0-1. Sofie Polgar was also downed by Hiarcs.

So the computers came out on top overall with 162½-137½. But it was soon noted that the GM's scored 41½-12½ (77%), thus putting the computers in their place despite their 'tired' showing in the last round!

QUEST-John van der Wiel

1.d4 e6 2.e4 d5 3.Nc3 Bb4 4.e5 b6 5.Qg4 Bf8 6.Bg5 Qd7 7.h4 h6 8.Bf4 h5 9.Qf3 Ne7 10.g3 Nf5 11.O-O-O Nc6 12.Nge2 Ba6 13.Bh3 Nce7 14.Rhe1 g6 15.Bg5 Bh6 16.Bxh6 Rxh6 17.Kb1 O-O-O 18.Nf4 Kb8 19.Bg2 Rhh8 20.Nce2 Rc8 21.Nc1 Rhd8 22.Nfe2 c6 23.Nf4 Rc7 24.Nb3 Qc8 25.Nh3 Rf8 26.c3 Bb5 27.Rd2 Qa6 1/2-1/2

Yasser Seirawan-NIGHTMARE N

1.d4 Nf6 2.c4 e6 3.Nf3 b6 4.Nc3 Bb4 5.Qb3 c5 6.a3 Ba5 7.Bd2 cxd4 8.Nxd4 Nc6 9.Nxc6 dxc6 10.g3 Bb7 11.Bg2 Qd4 12.Rd1 O-O-O 13.O-O Qc5 14.Qa4 Bxc3 15.Bxc3 a5 16.Rc1 Rhg8 17.b4 axb4 18.axb4 Qd6 19.c5 bxc5 20.bxc5 Qd7 21.Ba5 1-0

Larry Christiansen-FRITZ

1.d4 d5 2.c4 c6 3.Nf3 Nf6 4.Qc2 e6 5.g3 Be7 6.Bg2 O-O 7.O-O b6 8.Bf4 dxc4 9.Qxc4 Ba6 10.Qc2 Nd5 11.Nc3 Nxf4 12.gxf4 Bd6 13.Qe4 Qe7 14.Rfd1 f5 15.Qe3 Bb7 16.Ne5 Rc8 17.Qh3 Rd8 18.e4 fxe4 19.Nxe4 h6 20.Rd3 Bc8 21.Rg3 Bxe5 22.dxe5 Kh8 23.Nf6 Qf7 24.Be4 a6 25.Rg6 Qf8 26.Kh1 Ra7 27.Rag1 Rf7 1-0

ZARKOV-Hans Ree

1.e4 c5 2.Nc3 Nc6 3.g3 g6 4.Bg2 Bg7 5.d3 d6 6.Nge2 e5 7.Nd5 Nce7 8.Nec3 Be6 9.O-O Nxd5 10.exd5 Bf5 11.f4 Qd7 12.fxe5 Bxe5 13.Bf4 Bd4+ 14.Kh1 O-O-O 15.a4 a6 16.Ne4 Bxe4 17.dxe4 Re8 18.c3 Bg7 19.Qc2 Nf6 20.b4 c4 21.b5 a5 22.Qe2 Kb8 23.Qxc4 Rc8 24.Qb3 Ng4 25.Rac1 h5 26.b6 h4 27.Qb5 Qxb5 28.Bxd6+ Ka8 29.axb5 Bxc3 30.Rxc3 Rxc3 31.Ra1 1-0

HIARCS-Sofia Polgar

1.e4 c5 2.Nf3 e6 3.d4 cxd4 4.Nxd4 Nc6 5.Nc3 Qc7 6.Be2 a6 7.O-O Nf6 8.Kh1 Be7 9.a3 O-O 10.f4 d6 11.Be3 Bd7 12.Nb3 b5 13.Qd3 Rad8 14.Kg1 Bc8 15.Bf3 Rfe8 16.Qd2 d5 17.exd5 exd5 18.Rae1 d4 19.Bxd4 Nxd4 20.Nxd4 Bc5 21.Rxe8+Nxe8 22.Ne2 Nd6 23.Rd1 Nc4 24.Qc1 Bb7 25.Bxb7 Qxb7 26.c3 Qe4 27.Ng3 Qd5 28.Kh1 h5 29.b3 Na5 30.b4 Nb3 31.Qb1 Bxd4 32.cxd4 Re8 33.h3 h4 34.Qf5 Qc4 35.Nh5 Qe2 36.Qg4 Qxg4 37.hxg4 a5 38.d5 axb4 39.axb4 Re4 40.d6 Rd4 41.Rxd4 Nxd4 42.g3 Nc6 43.gxh4 Nxb4 44.Kg2 f5 45.gxf5 Kf7 46.Kf3 Nd5 47.Nxg7 b4 48.Ne6 Nb6 49.Nc5 1-0

The GREATEST Computer v Computer game?! London PRO v Tasc R30

It's an old saying - and Computer games like that the d4-A7 (yes, and one or two G.M v 8.2g3 g4 9.2d2 2xd4 G.M as well, even in World Championships!), but most of the time it's sheer entertainment.

Beyond that, just occasionally, one has the pleasure of enjoying something quite out of the ordinary, a clash of complexity, ingenuity and After uncertain outcome. such a game you wonder, "Was it really as good as it seemed at the time?", so you play through it again, and...

yes, it was!

Mike Healey and I moni-Countrywide as we started that already promises firetesting Richard Lang's new London program chip. The 10.e3 first upgrades we did were 12. 2xc6+ bxc6 13.0-0 changing Berlin Pro 68020's to London Pro's, so the match we started gave the R30's 1995 upgrade a speed advantage. Thus we let the London Pro have White, and here is the first game! I've included plenty of diagrams and notes, and hope these will help readers get the most from it.

London Pro (2350) - Tasc R30 1995 (2430) [D32] C/wide G/60, 1996/ELH/

1.d4 d5 2.c4 e6 3.2c3 c5 4.cxd5 exd5 5.�f3 �c6 6.�g5

Surprisingly this put the R30 out of Book]

6...f6

[6...\Delta e7 is also played here] 7.⊈f4 g5

[7...c4 was the LPro Book slightly ahead!] quite wrong of course (!) - move, so both computers are 13...2e7 14. 4a4 that watching paint dry is now on their own. At the cost more interesting than watch- of a possibly serious weaking a game of chess. Oh it's ening of his \$\Psi\-side, Black 14...h5!? true, we've all seen some has set his sights on winning



[Well worth an early diagram: Black is his & up, but tored such a meeting at has a wild pawn structure time? works!]

> 2c6 11.2b5



[White's development is almost complete - cp. the Black pieces! The choice for LPro now is between:-

1. Trying to pick off the selection of weak A's on the a,c and f-files, or

2. Going for his opponent's exposed . Both programs think themselves very

[14.\mathbb{H}c1 also looks to be good]

[Probably only a de Koning program would try this! However, turning the 'weak' dirack

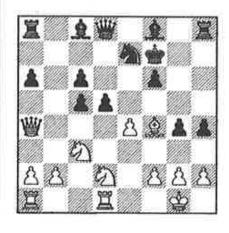
dirack ing force is by no means a bad idea. I think the soundlooking 14... \(\mathbb{Q} d7 - a \text{ per-} \) fectly good move it should be said - would have been played by most programs]

[Putting one of the E's on dl was another possibility. There is a drawback with the move played in that, whilst it nicely increases the tactical complexities, Black will now be able to force a passed d-& for himself when he finds

15...@f7!?

[The R30 rightly wants to a6 remove the pin, but even so this is a remarkable choice, yet amazingly (to me, any-way) exactly what the LPro expected, showing itself +15 incidentally. 15...**Q**d7 looks a good, sound move, whilst 15...h4 16.\(\text{\$\text{\$\text{\$\text{\$\geta}\$}}\$} \) 16.\(\text{\$\text{\$\geta}\$} \) 17 also looks good for Black, but certainly not 15...dxe4? 16.\(\mathbb{Z}\)ad1!1

16.¤fd1 h4 17.⊈f4



quite dramatically as the our train of thought!] programs' different styles create an interesting conflict of ideas.

Firstly the R30 has created & side threats with his formerly errant pawns. But the LPro continues to seek a 'serious' attack rather than trying to pick off one of Black's weak &'s and equal ise the material!

17...h3!?

[Is this good... or bad? I can't make up my mind!

The LPro expected it, but 20...d4! other programs prefer either 17... 2d7 >2d6 putting Black gerous R30 A, as the next ing his dangerous-looking at around +30 on average, or 17...肾b6 >**⊉**d6 and also showing Black ahead.

The move played allows in the game] White to fix the pawns, but this leaves his & somewhat 'caged in'! So, on balance, I think Black's choice a good

one! 18.g3

[18.2c4 looks very dra− Perhaps 18...hxg2 matic! 19.Фxg2 Qe6 would come next, but I think Black's position is holding: he remains a A up, and White's The is ex− posed as well 18...⊈d7!

The programs were both in agreement with 18.g3 and

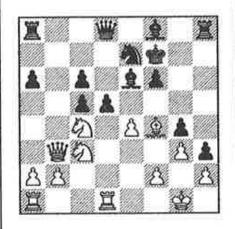
19.皆63!

[Rather than go 'material' and redirect forces towards ture to make. the weak c-&'s, LPro commendably continues to aim its attack at Black's ♥] 19...**£e6!?**

[19...\text{\text{\text{\$h6?!}}} 20.\text{\text{\text{\$xh6}}} 21.2a4! favours White] 20.2c4!

It's time for another diagram - it's about to get critical and, watching this in the 27... 2f3+! 28. 4h1 office, we found it rather complicated -

[The position, in just a when a customer rang to 28...@c4 29.\deltadc1 few moves, has changed place an order - interrupting



Take a note of this danpart of the game will centre and restrain it if he is to stay [2's]

21.£a4 21...£g6

[Though this allows an unpleasant check, the only obvious alternative I can see, 21...Eh5, runs straight into trouble in the form of 22. 4b7 @xc4 23.9b6]

22.₩b7+ �e7 23.�c7!

Easy enough to find by now, but it's an excellent culmination to the combination which forces apparently equalising exchanges.

The R30 shows +4 >@c7, |33...@f3+ & LPro has +24 > \(\text{Zaxc8} \)

the R30, creating some uncertainty about the right cap-34. \$\psig1 \quad xe4

good]

27.2xc5?!

[Finally equalising material, but maybe 27. 2xe5 has a real initiative!] was a better way to do so, leading to 27...fxe5 28.2xc5 29.63 = 3

[28.\psif1?? \Qc4+ 29.£d3 especially Ece8 and White is in trouble]

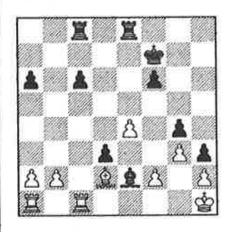
[29.@f4? @e2!∓] 29...@e2 30.@f4 d3 31.2b3

[A good choice by the LPro, preferring to block the ever more dangerous d-2.

alternative, which The 32.Ecb1, 31.2b7 d2 was stops Black getting a \ behind the A but leaves White's position looking quite dreadful]

31...Ehe8 32.2d2 2)xd2 33.@xd2

[So the LPro has managed to block the & and, due to the presence of Q's of opposite colours, the R30 could actually now have trouble makpassed pawn count, despite around White's need to block the much better scope of his



[It may have been better 23... Uc8 24. Uxc8 24... Zaxc8 to bypass the check and capture on e4 immediately, with [A splendid rejoinder by 33...Exe4 34.Ec3 c5! 35.b3! f51

[So the R30 goes a & up 27.\\ xc5 \ 2e5 | again, and it maintains a would not have been quite as good-looking attack. White's I's will be constantly tied to watching for a possible the back-rank mate, and Black

35.\(\mathbb{Z}\)c3 \(\mathbb{Z}\)b8

[The R30 rightly had +161 here, >\(\mathbb{Z}\)xd3] 36.b3

[LPro showed $-87 > \mathbb{Z}d4$. The expected exchange 36.\(\mathbb{Z}\)xd3?! Exb2 would get rid of 'that' d-A c-file which can start run-then ning soon. In fact it could Black's other 国 even be more dangerous in 41... \(\maxbb{\pi}\)a8 view of the position of White's ∯!?

36.Exc6?? Exb2 37.Qc3 (not 42.Eh4 37. 2e3?? Exe3 38.fxe3 Eg2+ 44. Ec4!=] 39.₫f1 d2 with mate to follow 42.\extbf{2}e1 in 4 or 5 moves) 37...\(\mathbb{E}\)c2! winning for Black

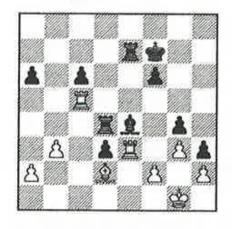
@e4 39.\c1 \equiv e7?!

want to exchange the Es.

Therefore I'd have preferred 39...f5]

40.Ec5

[The LPro is, slowly but surely, managing to get some scope for its pieces]



40...⊑a7?!

position here at +122 >\bulleta5. But now that LPro has managed to activate one of his Is the outcome seems much less certain

41.国h5!

[Preferring this to the expected 41. Ea5 is a clever idea - and would be even more so against a human at G/60 as the clocks are be ginning to come into the game now! Both have adequate time left, but are noticeably beginning to move a

37. e3 little faster.

The veiled threat 43.Eh7+

[This looks a bit weedy, but the R30 probably chose better] The other exchange by the best move. If 41...Ed5?! 48. 2b4 **£f5** 43.f3 gxt3

[The freeing move 42.f3 would have been clearly here would lead to 42...gxf3 winning for Black] 43.\(\mathbb{H}4\) 43.\(\mathbb{H}4\) \(\mathbb{H}2\) 43.\(\mathbb{H}2\) 43.\(\mathbb{H}2\) 43.\(\mathbb{H}2\) 43.\(\mathbb{H}2\) 44.\(\mathbb{H}2\) 43.\(\mathbb{H}2\) 443.\(\mathbb{H}2\) 443.\(\ma 46.单f2=) 44.单f2 (44.里xf3? [I am not too sure about might look clever, but only all E's, doesn't try to do so this, as Black certainly cant for a moment: 44...\(\mathbb{Q}xf3\)! or, perhaps, =] 42....\d5!?

> exchange II's, but he has got 50...a4? to do something to curtail his opponent's developing ad-passed pawn was unwise.

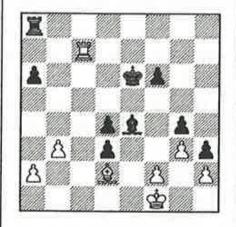
with 42...f5 then the LP E tion would take on a very gains the 7th. rank with drawish look, and would 43.耳h7+ **₩28** *44*.罝h6+) 44.罝c7!]

43.\a\d5

[A reward for the last few 51.b4! moves, and snapped up in no time at all!

43...exd5 44.\(\mathbb{E}\)e1 d4?!

A strange choice by the R30, as it weakens the proand his **2**. 44...¤e8 [The R30 evaluates the better, or maybe even f5!?] 45.互c7+ de6 46.df1!



[White's \$\Psi\$, for so long in trapped in its corner, now but then there'd be one on the 41. Th5 is 42. Exe4 Exe4 and makes a bold and timely efwinning fort to cross the open e-file and join the game!] 46...Ee8 47.Ge1 @f3?!

[47...\$d5 might have been

White must protect against 48...Ød6+ 49.⊕f1 ♠xc7, which would win] 48...a5 49.@c5 dd5+

The check looks nasty as long as White, having for so long wanted to exchange now!]

[Not 50. Ze7?? as Black plays Ec8! 51. 2a3 Ec2, after [The R30 doesn't want to which White wont last long]

[Gifting LPro his own

I prefer 50...f5 51.\(\psi\) d2 If he tries keeping E's on De4, though the locked posi-(43... \Delta g \textit{6} have robbed us of some of the great excitement which is still to come!]

> [With this the first A race gets under way!]

51...\$e6 52.\$c5 \$f5+ 53.\$e7 [53.\mathbb{I}e7 would have been safe this time, as the \(\mathre{\pi} \) is tection of both the A moved now protected on c5. Howlooks ever the move played is still the better onel

> 54.a3! 53...**⊉**d5 **⊕b3?!** 55.中d2 全c2? 56.買b7

> The LPro now reads -18 >⊈e6]

> 56...Фe6 57.⊈c5 Фd5 58.Дe7 **¤d8 59.¤c7 Фe4? 60.b5!**

> [LPro seizes its chance, aware with +33 that the game might just be turning its way!] 60...Ed5

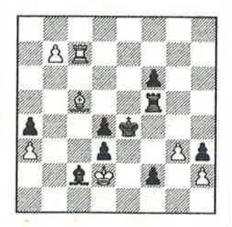
> [However the R30 still blithely reads +96 >b6 here] 61.b6

[The LPro leaps to +300!]

61...Ef5

switch off - it's far from pears to escape with \$\preceq \overline{3}!] over!]

62.f4 gxf3 63.b7 f2



64.b8世 f1幻+!!

[Wonderful! A 2 promotion! An incredible save, though both programs had already been analysing that this would be the correct, indeed, necessary promotion for a couple of moves!

As a matter of fact it's the first non-queen computer promotion I've seen in an actual game. Obviously I've tested many programs with especially set-up positions where an under promotion is desperate, but now LPro is required, to see if they did it able to make a dramatic es- 83. Ed7 Dc2 84. Ec7+=1 - and of course they usually cape from the mating net... |81... Ee2+ do nowadays - but this was with a \subsection-sac!! Phew - what my first 'live' one.

Incidentally, if 64...f1閏?? goes 65... Ed5 66. Ee7+ of5 69. Ph7+ 中g4 70. Ph4+ 中的 71.\(\text{\text{\text{P}}e4+\text{\ti}\text{\tii}\text{\text{\text{\text{\text{\text{\ti}}}}}}}}}}}}}}}}}}}}}}}}}

65. Dc1

is a lovely little mate] 65...d2+ 66. Pxc2 2e3+ 67. \$\d2 \dagger f2+ 68. \dagger c1?!

Very risky. The LPro is threats. walking a tightrope with this, and suddenly looks as if it yet!] could even get mated!

Better, in my view, was Φ c3 68.Φe1! Ef1+ 69.Φe2 (Not

[Suddenly the R30 sees it, whatever check comes next - 80. \$\psi 12 \bar{1} h2+ and shows -362. But don't \\ \exists f2+ or 2c4+ - the king ap-68...互f1+ 69.中b2

[Here 69. \$\Phid2?? \$\Pid1+ is mate in 3] 69...2d1+ 70.**Φb1** 2)c3+

71.∯c2

The perils of White's position, should LPro make the slightest mistake, are seen nearly every move.

Here 71. 4b2? is taboo due to 71... dd3 72. lb5+ (anything else allows \(\mathbb{B}\)b1 mate!) 72...到xb5 73.国d7 74. Pal Exh2 and Black winsl 71...**Ef2**+ 72.**e**c1 **ed3**



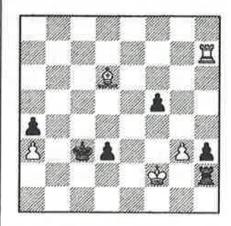
a game!]

73. 当14! 2xb1

now. I must say that I think leases the h-\alpha for its touchthat both have done extraor-|down run!] dinarily well, and with their 82.43 clocks running down below 84.\(\exicon\)c7+\(\phi\)b3 85.\(\exicon\)b7+\(\phi\)a2 [65.\$\psi e1?? d2+ 66.\$\psi e2 d3# | 10 mins, to find their way through the creating and was also okay for Black] avoiding of such a series of 86.\(\mathbb{E}\)h7 \(\psi\)xa3 87.\(\mathbb{E}\)e3 \(\mathbb{E}\)c2 complications and mate 88.\(\psi\)f4 d2! 89.\(\mathbb{E}\)xd2 \(\mathbb{E}\)xd2

And it isn't quite over 75...\$c4 76.\$\pid6 f5 77.\$\pic1 | have been fine. It no longer

[Threatening In I mate, of 92.gxf5 a3 93.f6 a2 0-1.



国f2+ 81.中e3?

[With the programs having to move very quickly, the LPro instinctively seems to take the 4-opposition position in its initial search, fatally allowing a tempo-winning check. With a little more time and one more ply of search the correct 81.9f3 would have been chosen, leading to an almost certain draw:-

81...Фc2 82.\(\mathbb{Z}\)c7+ A) (82,\Delta b4 d2 83,\Delta c7+ trans− poses to line B) 82... 4b3 83. gb7+ фc2 84. gc7+ head-[White's position looks ing for a draw by repetition;

B) 81...d2 82.\(\textit{D}\)b4+ \(\textit{D}\)b3

[The R30 instantly takes its chance. The point is that 74. Фxb1 Black has been given a 'free' move because of the check Both programs show 0.00 which simultaneously re-

h2! 83.**⊕**f4 Фc2!

90.由e3 国c2 91.g4?! 由b2

There is no trap that I can see, and 91...fxg4 would makes a difference anyway]

An AMAZING game!

The LCT2 TEST by Frederic LOUGUET

sists of 35 positions separated into:-

- \blacksquare pos 1–14: **Positional**
- cmb 1–12: Tactical
- fin 1-9: **Endgame**

good approximation of the test for 10 MINUTES. international Elo ratings for The time to keep is the each section. So, after scor-Chess (PC) Programs and TIME at which the computer ing the points for each posi-

Frederic LOUGUET, Frenchman (rather ously) is a freelance journal—to change their minds! ist, writing articles and books on various computer matters, 32 secs. In the next ply at and 3D Image Synthesis.

Computer Chess Magazine move. "La Puce Echiquenne".

tions, plus endgames.

the cominations only appear on the 7'16 time. when there are positional weaknesses in a position, where the computer shows a our foreign readers) let's use enabling tactical moves to be clearly positive evaluation +1980 for now, and see how effective. If you look at the and is therefore almost cer-it works out. Thus: whole game, you can see that tain NOT to change, the positional moves are much staying with it for 10 minutes more frequent than tactical may not be quite so necesmoves".

HOW TO RUN THE TEST

1. COMPUTER SET-UP.

must be set to **Infinite** level.

- The LCT2 CHESS TEST by Permanent Brain must be Frederic LOUGUET con-disabled (some programs begin storing analysis in set-up mode).
 - Any special Learning Tables must be disabled.

2. KEEPING TRACK.

It is considered to give a The program must run each

Dedicated Chess Computers. finds the correct move. Do tion, please keep separate NOT, however, switch off totals for Positional, Tactical a when this happens - some and Endgame (Fin) total obvi-programs have been known

E.g. 'the move' is found at GRADING. including Computer Graphics 1'56 it changes to something Louguet has prepared his test different. In the next ply it and the calculations to relate His original test and this concludes the new move is to the Swedish PLY listing. latest version were published not so good and, at 7'16 His instructions are to ADD in the French Chess and changes back to the correct the 3 scores

Frederic's great concern in noted '32. If the computer 1900 to establish an estipreparing the test was to aim had stayed with the correct mated Elo grade. for a good balance between move, it would score on the positional and tactical situa-basis of '32. However be-that calculations to adjust our cause it changed its mind, British BCF figures to Elo He comments: "After all, the score willbe based only equivalents result in slightly

sary. But it is certainly VI-TAL in the POSITIONAL section!

3. KEEPING RECORD.

the scores of the various 3030 Elo!... some chance!

POINTS SCORING

Secs	Min/Secs	Pts
'0-'9	0'0-0'9	30
10-129	0'10-0'29	25
'30-'89	0'30-1'29	20
'90-'179	1'30-2'59	15
'180-'389	3'00-6'29	10
'390-'600	6'30-10'0	5

Computers and Programs for

4. ESTIMATING THE

Pos + Cmb + FinThe operator will have and then add this total to

However we have found higher figures (Swedish +80, For the TACTICAL tests, in fact), so (with apologies to

GRADING CALC 105 Positional 200 **Tactical** 70 **Endgame** 1980 Basic 2355 Total

The maximum possible is program/computer I am very interested to see 1980 + (30 * 35 = 1050) =

5. SOME (est.) ELO'S AL-READY AVAILABLE.

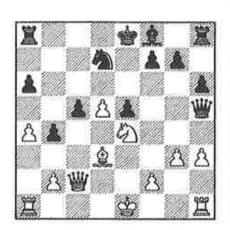
2505 Genius 3 P/90 2505 Hiarcs4 P/90 2495 Genius4 P/90 2480 Rebel7 P/90 2460 Fritz3 P/90 2435 Tasc R30 2410 MChessPro5 P/90 2320 RISC 2500 2095 Fidelity Mach3

I am particularly keen to get some figures for the dedicated machines (Vancouver, 1... 2b4 Berlin, London, RISC1+2, President/GK2100, Scorpio/ Diamond, Montreux, Kasparov BruteForce etc etc).

I would also like to see how the dedicated computers compare with the fastprocessor PC programs on the positional tests! In fact we should be able to produce a Top 10 for each Section!

results you can to me, for listing in a future Issue. Thanks!

(1) Tchernine – Miles Tunis 1985 [pos01] White



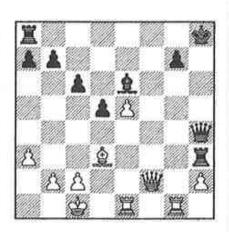
1.d6 White has a space advantage, and puts pressure on c5 by blocking the protection coming from £f8.

(2) Lilienthal – Botvinnik Moscow 1945 /pos027 Black



The idea is that the 2 will be After 2.fxe5 \(\mathbb{Q} \)e6 Black is all Sapphire/Diamond, Polgar, very strong on e4 after the right despite being two A's exchange on c3.

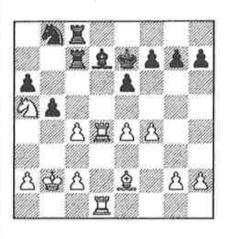
(3) Boissel – Boulard Do, please, send whatever Corr 1994 [pos03] White



1. e5

W's. Now White can make be able to play Ic4 and Ifc8, good use of the weak black dominating the c-file. squares around the 2e6. The A at h2 is not important!

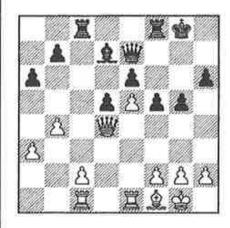
(4) Kaplan - Kopec USA 1975 [pos04] Black



1...e5

down.

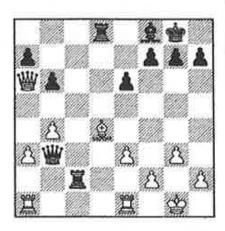
(5) Estrin – Pytel Albena 1973 [pos05] Black



1...**⊈b**5

It would be bad to exchange After 2.2xb5 axb5 Black will

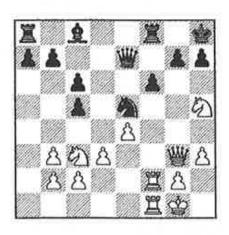
(6) Nimzovitch -Capablanca New York 1927 [pos06] Black



1...e5

This positional sacrifice enables Black to gain control of move \$168-e6-d4, where it \$\overline{a}\$ pair and to free the e7 the second rank after 2.2xe5 Add2.

(7) Tartakower – Rubinstein Moscow 1925 [pos07] White



1.2d1

White can 2)d1-e3-f5! A test position 5.\u00e4xc4. that could have also gone into the Tactical section. perhaps.

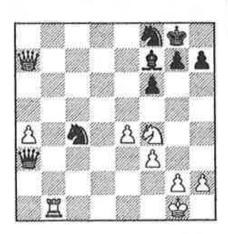
(8) Polugayevsky -Unzicker Lislovodsk 1972 [pos08] White



1.**£h3**

would have a beautiful out—square for his Φ. post (or obtain a dangerous passed & for Black). Now, if 1...2e6 White exchanges imwith 2. £xe6 mediately Though this loses the @ pair, it is much better for him than the alternative!

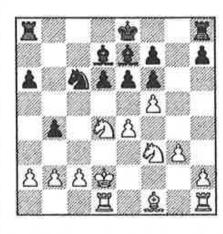
(9) Boissel – Del Gobbo Corr 1994 [pos09] White



1.₩d4

Increases White's advantage 1.h4 Black needs to stop the at- in the centre by sacrificing a The only move to try for a tack on g7 by \$\omegac{1}{2} \cdot 8 - d7 - e8. \text{ \text{\ti}\text{\texi{\text{\ play 3.\(\mathbb{Z}\)b8+ \(\mathbb{L}\)e8 4.\(\mathbb{Z}\)xe8+ \(\mathbb{L}\)xe8 the position for White.

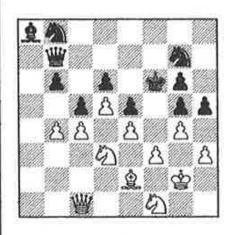
(10) Cucka – Jansa Brno 1968 [pos10] Black



1...⊈f8

With the \subseteq s off the board, it Black was threatening to is a good idea to activate the

(11) Landau – Schmidt Noordwijk 1938 [pos11] White



(12) Korchnoi – Karpov Merano 1981 [pos12] Black



1...買b6

To maintain some pressure 1.d5 exchange the \(\mathbb{E}\)'s.

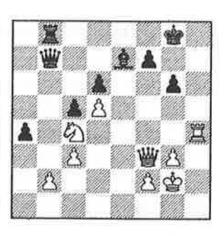
(13) Barbero - Kouatly

(14) Spassky – Aftonomov Leningrad 1949 [pos14] White



on the d-A, Black must not After 1...Dbxd5 2. 2g5 2e7 2. 2xf6+ 4h6 3. 2eg4+ 4g5 3. 9xf6 gxf6 4. 9xd5 9xd5 4. h4+ [or f4+] 4... \$\psif4 5. g3+ 5. \Delta xd5 exd5 6. \Delta d4 the Black \Delta f3 6.0-0! followed by \Delta h2 \$\Phi\$ is stuck in the centre.

(15) Romanichine -Budapest 1987[pos13] Black | Gdansky Polanica Zdroj 1992 [cmb01] White



1...🖄 xa2

8

Two passed &'s on the third 1.2xd6 rank are well worth the ma- This wins as 1... 2xd6 2. 4f6 This leads to mate on g2:b8-\ after 2.\ xb8 \ xb8.

8

stop mate.

(16) Lasker Ed – Thomas London 1911 [cmb02] White



1. yxh7+

This is mate in 7! 1... \$\Phixh7\$ mate.

(17) Andruet – Spassky Bundesliga 1988 [cmb03] Black



1....曾f3

terial - i.e the loss of the Wxd5+ 3. The and Black will 2.gxf3 Dexf3+ 3. The Ph3 have to sacrifice his \ on h5, and then mate after White on this or his next move, to plays his delaying checks, e.g ⊌xg6+.

(18) Vanka – Jansa Prague 1957 [cmb04] White



1.exf6

The continuation would be 1.exf6 2.2xe6 tage.

(19) Boros – Szabo Budapest 1937 [cmb05] White



1.買xh7+ Wins! 1... \$\dagger \text{xh7 2.} \mathbb{Z}xf7 + \mathbb{Z}xf7 3. 世xg6+ Φh8 4. 世xf7.

(20) Lilienthal -Capablanca Hastings 1934 [cmb06] White



2xe6 An unusual moment in which In this case the continuation 3. 世xe6+ 中b8 4. 至e2 世c7 (or the famous Capablanca is is 4...世h6 5. 至d8+ 中c7 6.世c8+ undone. After 1...世xc2 (2. 型d7 6. 国d5+ 空e8 7. 国e I+ also 4. 型g5 and mate follows after forcing Black to surrender Black throws away his \ on his # to stave off mate) g3 to make it last longer. 4. Zael 2c5 5. Zxe4+ 2xe4 6. Iel Ixg7 7. Ixe4+ +-.

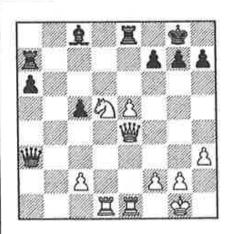
(21) Rotlewi – Rubinstein Lodz 1907 [cmb07] Black



1...Exc3

If 2.gxh4 (2.\Delta xb7 \Bixg3/\ 2.\Bixd2 might look to be wins) 2... 国d2 3. 世xd2 @xe4+ winning, but 2... 世f3+ 3. 世g2 4. lg2 置h3.

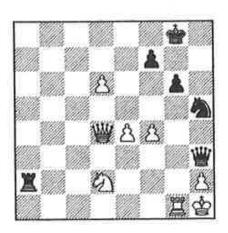
(22) Zarkov – Mephisto Albuquerque 1991 [cmb08] White



1.2f6+

1...gxf6 2.exf6 3.\(\mathbb{Z}\)d8+ 1...\u00e4xc2\u00ed(2...\u00e4xe4?? Ee8

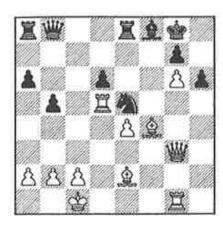
(23) Portisch – Kasparov Moscow 1981/cmb09/Black



1...Exd2

White is soon mated after 2g3+! 4.hxg3 ₩h5+ 5.₩h2 型3+ 6.至g2 型d1+ and Black gets his draw.

(24) Tchoudinovskikh -Merchiev USSR 1987 [cmb10] White



1.⊈xh6

1...gxh6 2.g7 \ 2e7 3.\ 2xe5 − Then 1...dxe5 2.\ 2e4 \ 2h5. another move which isn't so easy for all programs to find 3. 4g6 hxg5 5. \(\mathbb{U}\xg5\) with, say, \(\mathbb{U}\hlack1\) for teresting) 4. \(\mathbb{Q}\mathbb{G}\) and won. 4. 图 b 3+ is mate in 5) 4. 图 h 5 (3... exd4 4. 图 x h 5) 4. 图 f 3 图 c 7 **全g5+5.**置xg5 hxg5 6.₩xg5.

(25) Vaisser – Genius2 Aubervilliers 1994 [cmb11] White



1.2xh7

全g4 4.全g7 全h5 5.世g5 全g4 4.fxg5 中e5 (4...hxg5 5.h6) though its actual loss is very 6.h3! — I thought this an 5.gxh6 中f6 6.中b3! much on the horizon! little amusing move! 7.\(\mathbb{Z}\x\)f6 6...2xf6 capture on g6, White gets his GM to go on and win. reward in the win of Black's **y** on d8!

(26) Spassky – Petrosian WChamps Moscow 1969 [cmb12] White

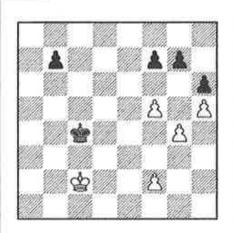


1.e5

Now Spassky exd4?! - 3...d5 (if 3...2g5+4.2xg5 4.2xf4 exf4 5.2xf3 is more in-After 1...exf5

Clearer is 3. #g4 6.**罩**xf4 exf4 7.2g6+ winning.

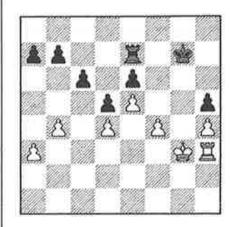
(27) Unknown – Lasker Ed Simul Exhibition [fin01] White



1.f6

1.f4? mistakenly was

(28) Capablanca – Eliskases Moscow 1936 [fin02] White



This position is about creatplayed ing a protected passed-& (3...2)[4!?] with a temporary sacrifice. 2.∯f4 e5-pawn is massive.

(29) Endgame Study [fin03] Black

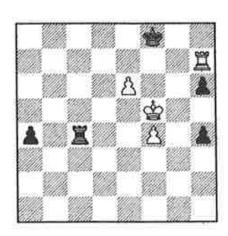


1...**⊈xe4**

This surprising move will effectively kill the White Q,

2.fxe4 f3! 3.e5+ - WhiteΦxg7 played by Lasker's opponent will lose this A anyway, so 8. Exg6+ and, after the re— in the game, allowing the tries to use it to get his \$\Pri\$ to c5 – 3...фd5 (3...фxe5? 4.фc5) 4.фa3 фxe5 5.фb4 d6 and wins.

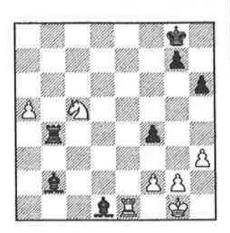
(30)Karpov -[fin04] Black



draw:- 2.\mathbb{\mathbb{Z}}xh6 a3 3.\mathbb{\mathbb{Z}}xh3 \mathbb{\mathbb{D}}xd3 ¤a4! 4. Th1 a2 5. Ta1 Фe7.

1...h5 was DT's game move, and it soon lost to Karpov's renowned endgame skills after 2.\$\Phi\$g5.

(31) Karpov – Kasparov Moscow 1984 [fin05] White

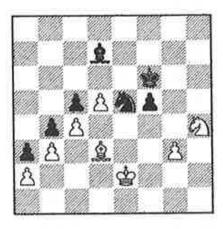


1...@b3 (1...\(\mathbb{Z}a4\) 2.\(\mathbb{Z}xa4\) \(\mathbb{Q}xa4\) \(\mathbb{1}\).\(\mathbb{Q}b4\) followed by \(\mathbb{Z}b6) \) Three lines need to be con-3.罩b1 2.2xb3 \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac 替行 5.閏a4 貫xa4 (5...買xc5 A) 1...cxb4 2.a6 畳c3 3.a7 6.a7 買c8 7.a8買 買xa8 8.買xa8) 買c8 4.買xb4+-;

6.②xa4 @d4 7.②c3+-.

Karpov, and the game was promote with check; drawn.

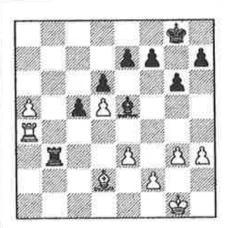
rpov – Deep (32) Minev – Portisch New York 1990 Halle 1967 [fin06] Black



1...f4

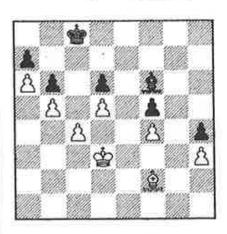
A brilliant move! White re-4.\dag{\phi}xd3 **⊉d1** 5... ⊕xb3! wins.

(33) Lengyel – Kaufman Los Angeles 1974 [fin07] White



- B) 1... \(\mathbb{I}\) xb4 2.\(\mathbb{I}\)xb4 cxb4 1.\(\mathred{\phi}\)g4 1. Exd1 was played by 3.a6 b3 4.a7 and White will The only winning move as
 - very similar to line (A).

(34) Spassky – Byrne USA 1974 [fin08] White



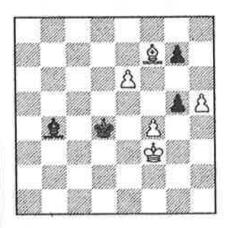
1.e5

A) 1...bxc5 2.全e1 中8 The only move which can signed as 2.gxf4 \(\mathbb{Q}g4+ 3.\textsq42 \) | 3.\textsqc4 \(\psic 4 \) \(\packsqc 8 \) 4.\textsqa5 \(\packsqc 4 \) 5.\textsqc48 and @e3 (5... \psi xd8?? 6.b6) 6.\pm g5 Φb8 7.Φd3 Φc1 8.Φxh4 Φxf4 фc7 10.фa5+ фb8 9.**⊕**e1 11.h4 gc1 12.h5 gg5 13.de2 c4 14.\(\phi\)d2 \(\phi\)f6 15.h6 wins;

> **B)** 1...dxc5 2.d6 фd7 3. exc5 ed8 4. eb4 e6 5. ec4 £f6 6.£c5 £d8 7.£d4 £xd6 8.\(\partial e = 5 + \partial e 6 \ 9.\(\partial e b 8 \ \text{wins.} \)

> There are various alternative tries for Black, especially in line A, but all lead to a White win.

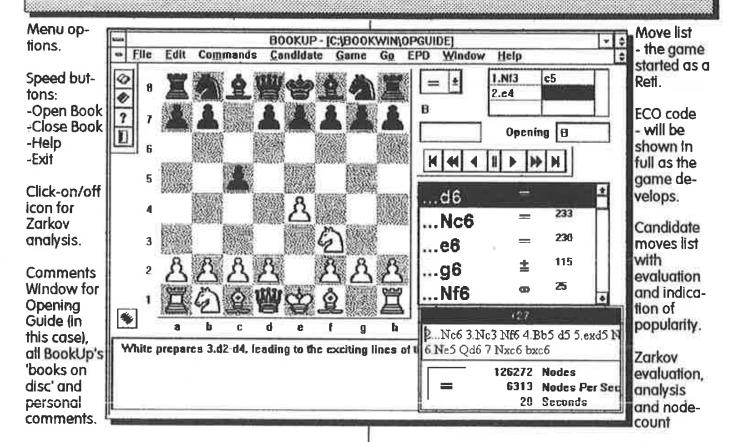
(35) Klimenok – Kabanov USSR 1969 [fin09] White



1.fxg5?? merely draws.

C) 1...\Bb1+ 2.\D\g2 cxb4 Why? Because h8 is a 3.a6 \Bc1 4.a7 \Bc8 5.\Bxb4, black square, under Black's control.

BOOKUP for Windows: reviewed



SCREENSHOT GUIDE

The **BOOKUP screen-shot** above was taken with the OPENING GUIDE loaded. I had opened with 1.Nf3 c5 and, as can be seen, after playing 2.e4 the Guide immediately recognised that we had transposed to a Sicilian.

The CANDIDATE MOVES list shows the moves known to this particular 'book' in this position, and the COMMENTS window refers now to the Sicilian, so we see that all the program's components are combining together. The ZARKOV analysis engine is working away on Black's next move, showing in fact its own early recommendation for 2...Nc6, which is ranked second in the BookUp listing.

BOOKUP comes with the very handy little OPENING GUIDE 'book', a DE-MOBOOK, and a TUTORIAL book, each of which will help users get started and quickly learn to appreciate the clever learning method which BookUp uses to show the user how to 'Teach Himself' and learn to easily recognise and memorise positions, themes and strategies.

Each time I refer to a 'book', I am referring to a 'Book on disk' which the BOOKUP program 'reads' and interprets so that the user has a diagram, move list, analysis, notes/comments, ECO code, and variations list permanently available on screen.

STANDARD FEATURES

The reason I class certain features as 'standard' is mainly because just about all of the DATABASE programs (e.g Chess-Base and Chess Assistant, as well as BOOKUP) also have them - for example ADD own notes, ECO classification, MARK moves!,?,!? etc, MARK positions +-,= etc, GAME and DIAGRAM storage and printout.

The layout of these in BOOKUP's case can be seen in the SCREENSHOT, including the standard type Windows OPTION MENU, and the quick-click BUTTONS for moving through a game.

UNIQUE FEATURES

Personally I think that database programs such as ChessBase should be

classified as a separate type of program

when being compared to BOOKUP.

CHESSBASE et al are absolutely ideal for storing multitudes of games and making them easy to study. The database contents can be re-grouped in many different ways, enabling them to be studied under, for example:

their particular opening variations.

• the games of a particular player, as White or Black or both (find out what openings they major in).

combine type of opening with a specific player - examine a player's main rep-

ertoire and favourite variations.

• themes, such as pawn structure, or material content (e.g queen v rook and knight, or particular endgame set-ups).

....yes, ChessBase, for example, is not really an openings database, but a com-

plete chess games database.

BOOKUP's forte is that you use it as if you are playing in a game from the first move! It is intended as a real form of over-the-board type of training - granted you can 'jump' to specific positions etc., and very quickly, and you can store games and create databases - but it's the moving through a game or series of moves, and being able to see and play through all the variations and alternatives available at each point, which sets BOOKUP apart.

And it's not just what's 'available' that is shown! - BOOKUP will indicate what's:

most popular

got a good/bad record in practice

So you 'click' on the line you want to follow and immediately see what's available, popular and good/bad from both side's point of view!

This is exactly what we've already seen in the SCREENSHOT of the OPEN-ING GUIDE, and the detailed notes and range of variations in a fully prepared BOOKUP disk are even more comprehensive.

And then there's a very important point:- the user can create his own opening books, or import them as a PGN file (the Internet norm), and have

BOOKUP produce exactly the same basic information to build on for himself 'from cold'.

BOOKUP IN USE at the Red House!

The 'secret' ingredient, which distinguishes BOOKUP is **BACKSOLVING**.

The first time I did this myself I was working on the HIARCS opening book, which is my spare time pleasure and responsibility. The file I downloaded from the Internet was COLLE.PGN - Hiarcs seemed a bit 'thin' in the Colle, and I wanted to see if I could add a few useful variations for White.

You can let BOOKUP import the whole of every game from a PGN file, but I felt that it would be sufficient to import just the first 16 moves of each game. This helps speed-up the Backsolving process though it is actually very much faster in the Windows version than it was in the previous MS-DOS job, but I didn't know that at the time.

In any case, if it had been a Sicilian I'd have imported maybe the first 20 or even 24 moves each side, as it is easy to still be 'in book' in very sharp situations to a greater depth in the Sicilian.

Neither Mark nor I ever want Hiarcs to be 'in book' until a game is won, but we do want to make sure that it is both up-todate in its opening theory knowledge, and that there is plenty of variety in Hiarcs as

an aid to practice in all openings.

So I imported the first 32 ply of each game, and then asked BOOKUP to backsolve the resulting positions file for me.

Even though only part of each game is imported, the actual <u>result</u> of each game is kept at the end of the list, so BOOKUP can still evaluate the outcome of every opening variation.

The result of this is exactly as can be seen in the OPENING GUIDE SCREEN-SHOT - as I move now through my Colle book, at each position I can tell:

how popular each variation has been in grandmaster play (of course here I am relying on an authentic top-level gathering job having been done for the COLLE.PGN file I am using), and

whether each line, with best play for both sides, is theoretically +-, =, or -+.

In the case of the Colle, I was soon able to decide NOT to put too much effort in boosting the coverage for White - the opening favours Black or is drawn in almost all variations, unless Black blunders or over-reaches. So BOOKUP saved me hours of work in this case.

In others it has helped me complete many hours of comprehensive work, not only much quicker than I'd ever have managed without it, but with a much greater degree of accuracy towards making sure I get the Hiarcs book moves catalogued in the right order, so that the program should play the most successful moves more often.

THE CLUB/TOURNAMENT PLAYER

What works for Hiarcs would work for me, of course. Naturally <u>I</u> don't want to be 'booked up' on everything under the sunthis is an area where computer programs are very different from humans... the programmer's responsibility, in my view, is to provide moderate coverage of even the most unlikely lines so that ANY purchaser will find some help from the program WHATEVER his own favourite lines are, and however obscure!

For myself I would, say, 'only' want to have perhaps two main variations against 1.e4 and 1.d4, and perhaps just one for 1.c4, 1.Nf3, 1.b3 etc. For example against 1.e4 I might choose to study and play 1...e5, and 1...Nf6.

For Hiarcs I also need to cover 1...c5/c6/e6/d5/d6/b6/g6/g5/Nc6. Hiarcs will normally do pretty well with most of these, especially 1...c5, but I'm afraid I usually duck out of Sicilians as Black!

So for myself I might prepare a book starting from 1.e4 Nf6 and 1.e4 e5. Of course this wont have to include everything beginning with 1.e4 e5, but will be pruned as I go along. For example I might choose after 1.e4 e5 2.Nf3 only to play 2...Nc6, so I can exclude such things as the Petroff etc. Once created, my bookfile can

be added to with new variations and novelties I might spot in the chess magazines, extended to include longer variations at critical points, adjusted, updated, reordered, re-backsolved, and have notes or warnings etc appended to my heart's content for as long as I want to maintain it.

EVALUATING MY WORK

En route to the finished 'Hallsworth BookFile' I will almost certainly want to have it evaluated! By whom? BOOKUP!

This is done by creating an EPD file don't worry about the name, that's BOOKUP's problem! It's just a name for the most widely used computer-method for storing positions. With any BookFile you can instruct the program to convert its positions to EPD format. You can convert all positions (which might be rather a lot, of course!), or just 'leaf nodes'... the positions at the end of each line of play.

Once an EPD file has been created it can be transferred to BOOKUP's own Zarkov program, or Genius, Hiarcs or MChess Pro!

From within your chosen playing program, set a suitable time control for the analysis of each move and let it get on with it (overnight, for example!).

When it's finished, transfer the finished file back to BOOKUP and the analysis and evaluation for each position (or each leaf position) will be shown as you go through moves. This might result in a decision to re-order the moves in some positions, or there might be a previously unconsidered move that is worth looking at, so you can prepare your own theoretical novelty for some unsuspecting opponent.

Finally you can now BACKSOLVE your book once more - this time you will be backsolving on the basis of your analysis program's evaluations, as BOOKUP replaces all the 1-0, ½-½ and 0-1 result scores with the leaf node evaluations of the analysis program. Thus I tend to create an EPD file of a complete book only when it is in its comparative infancy. Thereafter I

'EPD' leaf nodes only, but on a fairly regular basis.

After backsolving, instead of moves being marked =, +- and -+, they will be shown as +125, +30, -5, -70 etc etc. The accuracy of this will depend on the strength of the program and the time control you have used - don't make major decisions based on 5 secs a move on a 386 PC! Subject to that however, the operation enables a very precise move ordering to be done, and the possibilities for adjusting and extending the book, and the scope for trying out new ideas are obvious.

BUYING A BOOK ON DISK

A 'Book on Disk' is exactly what it is and, in a sense, all the work and more which I have just described has already been fully done for users who buy one of BOOKUP's own 'Book on Disk' files. And done by a G.M or I.M with some expertise in the particular opening of course!

You're 'reading' a book but all the applicable notes between moves, the current position and available variations are continually updated for you on screen, sidelines can be followed whenever you want, and a click on the appropriate button takes you straight back to the last point where there was a choice of moves, so the game can be carried on again from that (or any other chosen) position.

Also constantly in view are the details of the 'popularity' of each move and the expected result with best play. BOOKUP always provides a free BOOK on disk with every purchase, so that users can quickly evaluate its worth for them... and buy one or two of their own from the expanding Catalogue if they like them!

The ZARKOV ANALYSIS ENGINE

I've kept this, the latest improvement for BOOKUP, till last. But a very welcome one it is, in my view, as it fills the only real gap I could see in the available range of advice and help that the program did lack.

Now, with the ZARKOV engine,

back-up analysis and evaluations are also constantly available on screen, so those 'worth a try' lines suggested by your book - or your own or Zarkov's new ideas - can be thoroughly tested immediately.

Those ideas and novelties appearing to have some scope for use can be added as moves to the BookFile, plus all the variations you've seen or worked through, and symbols to encourage or discourage the move's use in play. Analysis from Zarkov can also be added directly to the notes if required, perhaps after you've played them through on screen up to where a point of conviction (won, lost, drawn, uncertain etc) is reached. Or just leave yourself a reminder note to 'check it out later!'.

If you now EPD and analyse the leaf positions, the analysis and evaluations from that will be ADDED to the notes you've already made. Maybe you'll need to change or even remove some of your comments after that but, whatever you decide to do, the next time you reach the position/s, <u>all</u> your analysis, notes, symbols, evaluations and comments will be waiting there for you, just as you left them!

CONCLUSION: All of this - and there's more you'll find as an owner, I've just tried to whet a few appetites - can be done with both your own and purchased books, so absolutely EVERYTHING can be personalised for later use or study.

And if this lot doesn't improve a player's grasp of their favourite openings, with its key strategies, correct pawn structure, proper move order and tactical finesses, I don't rightly know what will!

A short list of some of the BOOKUP disks currently available (£19.95 each):

- How to play against the Sicilian
- Black is Good! 1.d4 d5
- White is Better! 1.d4
- Black is Good! 1.e4 e5
- White is Better! 1.e4
- The Samisch Seminar
- The Classical Ruy
- The Closed Game
- The Smith-Morra
- The Scheveningen Sicilian
- The Rubinstein Collection

A brief guide to the purpose of each of the HEAD-INGS should prove helpful for everybody.

BCF. These are British Chess Federation ratings. They can be calculated from Elo figures by (Elo -600) /8, or from USCF figures by (USCF - 720) /8.

Elo. This is the Rating figure which is in popular use Worldwide. The BCF and Elo figures shown in SE-LECTIVE SEARCH are calculated by combining each Computer's results v computers with its results v humans. This determines the ranking order and, we believe, makes our Rating List the most accurate available anywhere for computers and programs.

+/-. The maximum likely future rating <u>movement</u>, up or down, for that particular machine. The figure is determined from the number of games played and calculated on precise standard deviation principles.

Games. The total number of Games on which the computer or program's rating is based.

Human/Games. The Rating obtained and the total no. of Games played in Tournaments v rated humans.

A guide to PC Program Gradings:

386-PC represents the program running on an 80386 at approx. 33MHz with 4MB RAM.

486-PC represents the program running on an 80486

at between 50-66MHz with 4-8MB RAM.

Pent-PC (will be P5-PC) represents programs on a Pentium at approx. 90-100MHz, with 8-16MB RAM. P6-PC will represent programs on Pentium Pro/200. Users will get slightly more (or less!) in each case, if the speed of their PC is significantly different. A doubling or halving in MHz speed = approx. 60 Elo; a doubling or halving in MB RAM = approx. 10 Elo.

Approx. guide if 486/66 = 0

Pentium Pro/200	+150	Pentium/166	+120
Pentium/90	+75	486DX4/100	+20
486DX2/66	=0	486DX/50	-20
486DX-SX/33	-60	386DX/33	-120

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ARTICLES, RESULTS, GAMES etc are welcome and should be sent direct to Eric, please!

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