The Fifth Harvard Cup Human Versus Computer Intel Chess Challenge

Boston, USA
October 1-2, 1994
By Dr.  Danny Kopec IM

The Fifth Harvard Cup, latest in the series started in 1989, was held on
the weekend of October 1-2, 1994 at The Computer Museum in Boston,
the unique and popular site used for the previous Harvard Cup. A team of
six top American grandmasters played eight chessplaying programs, all
running on 90MHz Intel Pentium processor-based computer systems
supplied by DEC.

Each grandmaster played each program once (the Scheveningen
format), for a total of 48 games, at a time limit of 25 minutes per side. Four
of the programs played on Saturday the 1st and four on Sunday the 2nd, so there
were 24 games per day, in six rounds of four games each, with a 20-minute break
between rounds. Thus, each grandmaster played four games each day (a maximum of
only 3 hours and 20 minutes at the board, starting at 10:15 AM or later) and had
two "off" rounds.

The grandmasters were defending Champion Joel Benjamin, U.S. co-
champions Alexander Shabalov and Alexander Yermolinsky, former U.S.
champion Patrick Wolff, soon-to-be U.S. champion (and former Soviet
champion) Boris Gulko, and two-time Harvard Cup winner Michael
Rohde. Each grandmaster received an appearance fee and reimbursement
for travel and lodging expenses, in addition to any portion of the $1500
prize fund they might win. As they did at last year's event, the players
reported satisfaction with all aspects of the tournament conditions.

The computer side on Saturday included defending champion Socrates
4.0 from Heuristic Software, developed by the three-time Harvard Cup
winning team of IM Larry Kaufman and Don Dailey (operated by
Kaufman); Chessmaster 4000 Turbo from Mindscape, formerly known as
The Software Toolworks (operated by Mark Glickman); HIARCS Master
3.0 from BOOKUP (operated by FM Charles Schulien); and M-Chess
Professional 3.85X by Marty Hirsch (operated by FM Roger LaFlair).

On Sunday the programs were WChess by David Kittinger (operated
by Andrew Metrick); Zarkov-X by John Stanback (operated by Chris
Avery); NOW by Mark Lefler (operated by Roger LaFlair); and REBEL
6.0 by Ed Schroeder (operated by Noam Elkies).

Each of the programs was either available commercially at the time of
the event, is available now, or was being developed for inclusion in a
future commercial product.

After jumping to a 25% score in 1991, the computer side has remained
at about the same position in the past two years, but this year the machines
made their move and improved to nearly 40% of the possible points. This was
achieved on both days, but on Sunday the big surprise was not the overall result
but rather the astounding performance of veteran programmer David Kittinger's
new WChess: an undefeated 5-1 score (four wins, two draws) and a PCA performance
rating of 2895! The grandmasters pressed hard against WChess (see especially the
games of Yermolinsky and Gulko) but it held fast and emerged with a better
percentage score than human champion Joel Benjamin (83% versus 81%) and a higher

performance rating, firsts for the Harvard Cup series and historic results in
the broader context as well.

Joel Benjamin turned in a solid performance (with help from Zarkov-
X's defeat of Yermolinsky in the final round) to finish in clear first place
among the humans with 6.5/8. With two undefeated performances in a row (6-0 last
year) he seems to have the right style and approach for playing computers. Boris
Gulko's 6-2 was good for clear second place. On the other end of the table,
Alexander Shabalov surprised by managing only 2.5 points in 8 games, including
five losses.


For placing first among the humans and computers, Joel Benjamin and
WChess will have their names engraved on the permanent Malcolm H.
Wiener Trophy and will be invited to defend their titles in the Sixth
Harvard Cup. Benjamin also receives a $1000 cash prize; Boris Gulko
receives $500 for placing second among the humans.

Joel Salman served as the arbiter, and IM Danny Kopec, FM David
Glueck, and Robert Seltzer provided post-game commentary to the
audience each round. The event was visited by over 700 spectators during
the weekend, including the students and parents who participated in the
new Harvard Cup Youth Challenge on Sunday. Excellent media coverage
included several television programs (three local news broadcasts, plus
the national Discovery Channel and Public Broadcasting, and the
international Science and Technology Satellite News), Reuters and AP
news services, USA Today, New York Times, and Boston Globe
newspapers, and dozens of other newspapers and magazines. Prodigy
Service and USA Today Information Center carried exclusive live online
broadcasts during the weekend.

The Fifth Harvard Cup was sponsored by Intel Corporation,
Mindscape, The Boston Globe, Malcolm H. Wiener, Millburn Ridgefield
Corporation, Digital Equipment Corporation PC Business Unit (Official
Computer System Supplier), the United States Chess Federation (Official
Chess Equipment Supplier), BOOKUP, Mission Studios, Prodigy Service,
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Computer Museum. The Fifth Harvard Cup was produced by IM Daniel
Edelman and Christopher Chabris for HCC Associates in conjunction
with the Harvard Chess Club and with the assistance of the Harvard
Computer Society (Official Technical Consultants) and a large team of
consultants and volunteers whose help was greatly appreciated.

Several weeks after the Fifth Harvard Cup, Intel Corporation
exclusively sponsored a special Fifth Harvard Cup Intel Championship
Playoff event at the Manhattan Chess Club in New York. On Wednesday,
November 9, WChess faced Joel Benjamin in a six-game match at blitz time
control (five minutes per side). David Kittinger and Christopher Chabris
operated the program. Play was conducted with a standard board, set, and
clock, meaning that WChess had to be set for only 2-3 minutes of
calculation time for the game, and the overhead of transferring moves to
and from the computer essentially determined the outcome of two long
games that both ended in time forfeits (one in a winning position) for
WChess. Nevertheless, WChess scored two draws and fought well
throughout in a losing effort, 4-1. (A segment on this event will be shown

by the Discovery Channel's "The Next Step" program in 1995.) The
contrast between this result and that obtained by Fritz3 at Munich
highlights the extent to which the rules and conditions can affect the
outcome of human-versus-computer contests, especially at fast time
limits. In this case, as in the Harvard Cup proper, every accommodation is
made to ensure that the human participants do not encounter conditions
they are accustomed to, thus guaranteeing the fairness of the results
obtained.

The Sixth Harvard Cup is tentatively scheduled for the weekend of
October 14-15, 1995 at The Computer Museum in Boston. For more information about
the Harvard Cup series or to receive game scores and other material by
electronic mail, please contact Christopher Chabris: cfc@isr.harvard.edu, or
write to the address listed on the inside back
cover, or call 617-876-5759 (fax 617-491-9570).

(Annotations Prepared Using SmartChess for the MacIntosh)
Joel Benjamin (2585) - M-Chess Professional 3.85X
Fifth Harvard Cup (Round 4) G/25, 1 October 1994
French Defense [C02]
This was a fascinating game and an excellent matchup. It pitted one of
the best programs (M-Chess Professional) against the most successful
Harvard Cup grandmaster (and winner) of the past two years, Joel
Benjamin. The opening is marked by tension in White's space which is
compensated by Black's pressure on the c-file. Benjamin naturally
converts his space into some kingside threats while M-Chess finds a few
wonderful pyrotactics to produce more than adequate counterplay. M-
Chess mishandles a winning middlegame advantage and converts into a
difficult endgame. Nonetheless M-Chess should indeed win the endgame,
when it makes an unbelievable blunder (miscalculation?) which allows
Benjamin to a steal a win from a lost ending. Considering the various ideas
in the game, let us not forget that it was played with a 25-minute time
limit.
1 e4 e6 2 d4 d5 3 e5 c5 4 c3 Nc6 5 Nf3 Bd7 6 Be2 Nge7 7 Na3 cxd4 8 cxd4 Nf5 9
Nc2
Benjamin chooses a system for White which is based on maintaining
and exploiting the space offered by the d4/e5 mini-pawn chain.
9 ... Rc8 10 0-0 Qb6 11 Bd3!?
A clever move because it seemingly guards the d-pawn. If now 11 ...
Nfxd4! 12 Nfxd4 Nxd4 13 Be3 Bc5 14 b4! -- but now 14 ... Nxc2 15 Bxc5
(15 bxc5 Nxe3! is fine for Black) Qc7 16 Qxc2 b6 (or 15 Bxc2 b6) seems OK
for Black. However 16 Rc1! is the cruncher. After 16 ... Na3 17 Qg4 is
very strong.
11 ... Be7 12 b3
Why not take the pawn here? That is what computers like to do in any
case P snatch material and prove that they can get away with it. Once
again: 12 ... Nfxd4 13 Nfxd4 Nxd4 14 Be3 Bc5 15 b4 Nxc2 16 Bxc5 Qc7 17
Bd6 Qc3 18 Rc1 Ba4 19 Bxc2 Bxc2 20 Qg4 And finally we can see some
serious compensation for White.
12 ... 0-0 13 Bf4
Now of course 13 ... Nxd4?? loses after 14 Nfxd4 Nxd4 15 Nxd4 and the
knight cannot be touched.
13 ... Qa5 14 g4 Nh4 15 Nxh4 Bxh4 16 g5
Trapping the bishop on h4. Black desperately needs counterplay now.
16 ... Qc3 17 Re1
Threatening Re3 followed by Rh3.
17 ... g6

Removing the discovery on h7 and enabling ... Nxd4.
18 Re3
Threatening Rh3 as well as Bxg6.
18 ... Nxd4
Now the pyrotactics begin.
19 Bxg6 Qb2!!
M-Chess persists. The motif here is that on 20 Nxd4 Qxf2+ is possible.
Or on 20 Qxd4 Bxf2+! is possible, i.e. 21 Kxf2 Rxc2+ wins. Or on 21 Kg2
Qxd4 22 Nxd4 Bxe3 wins for Black.
20 Bxh7+
Not 20 ... Kxh7 21 Qh5+ Kg7 22 Qh6+ Kg8 23 g6 with a winning attack.
20 ... Kg7! 21 Qh5 Bxf2+!!
Both sides are making offers which cannot be accepted! If now 22 Kxf2
Rxc2+!! and Black wins.
22 Kxf2
If instead 22 Kg2 Nf5! 23Bxf5 Rh8! and Black proves to be a very
resilient defender.
22 ... Rxc2+ 23 Bxc2 Rh8 24 Qd1 Nxc2
After this brilliant sequence Black emerges with the better game.
25 Re2 Qxa1 26 Qxc2 Bb5?
A poor move in that it cedes the c-file. Much stronger was 26. ...Qd4+!
followed by Rc8 when Black retains a big advantage.
27 Re1 Qd4+ 28 Kg3
Here the sacrifice 28 ... Rh4 looks very promising, e.g. 29 Kxh4 Qxf4+
30 Kh5 Be8!!; or on 30 Kh3 Bf1+ 31 Rxf1 Qxf1+ with a winning ending
thanks to the strong passed d-pawn. Finally, if 29 Qd2 Qxd2+ 30 Bxd2 Rd4
31 Be3 Re3 32 Kf2 d4! and Black is still winning.
28 ... Rh5 29 Qd2 Qxd2 30 Bxd2 Kg6 31 h4
Black's rook is somewhat misplaced in this ending.
31 ... a6 32 Rc1 d4 33 a4 Bd3
The only way to keep the d-pawn and the b-pawn.
34 Rc8 Kf5!
Very aggressive. Note that even though Black is playing without its
rook, it still has winning chances. Black threatens the e-pawn and to get
rolling with its passed pawns.
35 Bf4 Rxh4
At first this combination looks desperate, but on closer inspection it
gives Black excellent winning prospects thanks to his passed d-pawn and
the awkward position of the White king.
36 Kxh4 Kxf4 37 Rc7 Bg6 38 Rxb7 d3 39 Rd7 Ke3 40 b4 d2 41
Rxd2 Kxd2 42 b5
This is one of the rare times that I have seen a strong program
somewhat subject to "calculation errors." What went wrong? Apparently,
in the ensuing variations M-Chess overestimated the power of its passed
g-pawn, not realizing how dangerous White's own passed pawns were.
42 ... Be4?!
This is a poor, noncommittal move. The move is poor because although
it is well-motivated in that it anticipates the stoppage of the White b-
pawn, it frees White's g-pawn for the forthcoming wonderfully aggressive
"last hope" which ends up confusing Black. Let us see what happens after a
more rational alternative: The clearest win is 42 axb5! Then on 43 axb5
Kc3 wins, but with more difficulty than Ke3 which wins handily. e.g. 43
Ke3! 44 b6 Be4 45 Kh5 (or on 45 g6! (as in the game) fxg6 46 Kg5 Kd4! 47
Kf6 Kc5 48 Kxe6 g5 49 Kf6 g4 and Black does indeed win! ) 45 Kf4 46 Kh6
Kf5 47 Kg7 Kxg5 48 Kxf7 Kf5 and Black wins. Continuing after 43 ... Kc3
44 b6 Be4 45 Kh5 (if 45 g6 fxg6 46 Kg5 Kd4 47 Kf6 Kc5 48 b7 Bxb7 49 Kxe6 Bc6 50
Kf6 Be8 51 e6 [51 Ke7 Kd5 52 e6 Ke5 and wins] 51 Kd6 wins), play could continue

45 ... Kd4 46 Kh6 Kxe5 47 Kg7 Kf5 48 Kxf7 Kxg5 49 Kxe6 with a draw, but 47.I Kd6 (instead of Kf5) 48 Kxf7 e5 49 Kf6 Bd5 50 Kf5 e4 51 Kf4 Ke6 and Black seems to win anyway. (Also better than the text would appear to be 42 Ke3 or 42 a5.)
43 g6! fxg6?
This move throws away the win. With 43 ... Bxg6 44 Kg5 Ke3 45 Kf6 axb5 46 axb5 Kf4 47 b6 Be4 Black still wins.
44 Kg5 a5
Now with 44 ... axb5 Black could draw, e.g. 45 axb5 Ke3 46 Kf6 Kf4 47 Kxe6 g5 48 Kf6 g4 49 e6 = g3 etc.
45 Kf6 Kc3
Now on 45 ... Ke3 46 Kxe6 g5 47 Kf6 g4 etc. White queens first with check.
46 Kxe6 Kb4??
And now this move loses any chance to draw. His best chance was 46 ... g5 47 Kf6 g4 48 e6 g3 49 e7 Bg6 50 Kxg6 g2 51 e8/Q g1/Q+ 52 Kh7 and Black still has to prove a draw.
47 Kd6 Kxa4 48 b6 Kb5 49 Kc7
Now it is clear that Black is lost since either White pawn will promote with check.
49 ... Bd5 50 e6 Bxe6 51 b7 Ka4 52 b8Q Bc4 53 Kd6 Bb3 54 Kc5 Ka3 55 Kd4 Kb2 56 Kd3 g5 57 Qe5+ Ka3 58 Qxa5+ Kb2 59 Qxg5 Bc2+ 60 Kd2 Bb3 61 Qa5 Kb1 62 Kc3 Bc2 63 Qa3 1-0

Queen's Gambit Accepted [D25]
Alex Yermolinsky (2570) - WChess
Fifth Harvard Cup (10) G/25, 2 October, 1994

Who is WChess? Before the 4th Harvard Cup in 1993 I played two
private experimental games with a predecessor to WChess (known as
KChess) and lost both of them. I was rather upset to have lost both games,
since I stood well in each. But the playing conditions were not ideal (as
there was noise) and KChess did not have to endure a hard working week
and a two-hour drive in heavy rain to he playing site in Boston. WChess,
with its outstanding undefeated 5-1 score this year, appears to be a clear
improvement on KChess. This game which exemplifies its play.
1 d4 d5 2 c4 dxc4 3 Nf3 Nf6 4 e3 Bg4 5 Bxc4 e6
Black has chosen quite an aggressive system.
6 Qb3 Bxf3 7 gxf3 Nbd7
Yermolinsky should consider taking the b-pawn here, but Black could
then follow with a nice ... c5 which would most probably have to be met
with dxc5.
8 Nc3 Nb6
Black has few problems.
9 Be2 Be7 10 Bd2
White's two bishops need breathing space. White must arrange e4 in
order to activate the dark-square bishop. Yermolinsky should probably
test WChess with Rg1 and see if it will play the structurally safe and
sound ... g6.
10 I 0-0 11 0-0-0 c5!
Assuring good counterplay in the center and on the queenside.
12 dxc5 Bxc5 13 Kb1 Qc7
Here Rhg1 is still to be recommended.
14 Ne4
This move removes Black's only kingside defender--but with every
exchange Black gets closer to his goal of exploiting White's doubled pawns
and three pawn islands.
14 I Nxe4 15 fxe4 Rfd8 16 Bc3 Rxd1+ 17 Bxd1 Rd8 18 h4 Be7 19
h5 Nc4 20 Qc2 Bf6 21 Bxf6 gxf6
So now both sides have doubled pawns, but Black clearly has better
pieces and central control. White's bishop is a poor piece.
22 Ka1 Rd2 23 Qc3 Rxf2
Snatching material and defending f6.
24 Bb3 b5 25 Rg1+ Kh8 26 Qb4 Qd8
Black must stop Qf8 mate.
27 Qxb5 Nxb2
White's King is now fully exposed.
28 h6 Qc8
Threatening Qc3.
29 Kb1 a6 30 Qb6 Nd3 31 Qd4 Ne5
Black is still better centralized and coordinated. Here if 32 Rc1 then
Qf8 defends and threatens the pawn on h6.
32 Rd1 Rg2 33 Qb6 Rg8
Black has had to regroup, but still stands better.
34 Qd6 Qa8 35 Qd4 Qf8 36 Rh1 Rg6 37 Qb6 Nf3 38 Qxa6 Nd2+
39 Ka1 Qc5 40 Qd3 Nxb3+
Black simplifies, probably because it sees a forced win.
41 axb3 Qa5+ 42 Kb1 Rg2 0-1
White's mate threat is stopped but Black's cannot be stopped.

[ NOTE: What follows are the complete games
of the Fifth Harvard Cup, round-by-round, with results tables and other
information. If you wish to exclude any games for reasons of space, I believe
that the following games should be RETAINED if at all possible: all games by
WChess, all games by Joel Benjamin, Chessmaster - Gulko, Shabalov - Socrates,
Yermolinsky - HIARCS, Gulko - M-Chess, and Zarkov - Yermolinsky. Other good
choices to keep would be the other
games by Gulko, Socrates, and Chessmaster 4000, as they were the runners-up in
the human and computer categories. Also, please note that Benjamin - M-Chess and
Yermolinsky - WChess are given above, so they may be omitted from the game
listing below.]


Round 1: Saturday, 1 October 1994, 10:30 AM
Gulko        1/2   HIARCS
Benjamin          1/2   Chessmaster
M-Chess           1-0   Shabalov
Wolff        1-0   Socrates
     Round total: Humans 2, Computers 2
     Cumulative total: Humans 2, Computers 2 (50%)
     Leaders: Wolff 1; M-Chess 1

Boris Gulko - HIARCS Master 3.0 [A07]
1 Nf3 d5 2 g3 Nf6 3 Bg2 c6 4 d3 Bg4 5 0-0 Nbd7 6 Nc3 e5 7 e4 Bb4 8 exd5
cxd5 9 h3 Bxf3 10 Qxf3 Bxc3 11 bxc3 Rc8 12 c4 0-0 13 cxd5 Rxc2 14 Qd1
Qc7  15 d6 Qc3 16 Rb1 b6 17 Rb3 Qc8 18 Bb2 Rc5 19 d4 exd4 20 Bxd4 Ra5
21 Rc3  Qd8 22 Qd2 Nd5 23 Rd3 N5f6 24 Bc3 Rf5 25 g4 Rc5 26 Re1 h5 27
g5 Nh7 28 h4  Rc4 29 Rd4 Rc5 30 Rde4 Qc8 31 Ba1 Rd8 32 Qd4 f6 33 Re7
Kh8 34 Qe4 Rc1  35 Qg6 Rxe1+ 36 Rxe1 Ndf8 37 Qxh5 Rxd6 38 g6 Re6 39
Rd1 Qe8 40 Bd5 Re1+  41 Rxe1 Qxe1+ 42 Kg2 Qxa1 43 gxh7 Qb1 44 Kh3 g6
45 Qf3 Nxh7 46 Bb3 Qf1+  47 Kh2 Kg7 48 Qe3 Qa1 49 Qe7+ Kh6 50 Qe3+
g5 51 hxg5+ Nxg5 52 f4 Qb2+  53 Kg1 Qb1+ 54 Kh2 Ne4 55 Qh3+ Kg6 56
Qg4+ Kh6 57 Qh4+ Kg7 58 Qg4+ Kh6  59 Qh4+ Kg7 60 Qg4+ 1/2

Joel Benjamin - Chessmaster 4000 Turbo [D00]
1 d4 d5 2 Bg5 f6 3 Bh4 Nc6 4 e3 e5 5 Bb5 exd4 6 exd4 Nge7 7 Nf3 a6 8 Ba4
b5 9 Bb3 Bg4 10 c3 Nf5 11 Bg3 Nxg3 12 hxg3 Qd7 13 Nbd2 Be7 14 Nf1 0-0
15 Ne3 Be6 16 Qd3 g6 17 0-0-0 Rfe8 18 Rh2 Na5 19 Bc2 Bf8 20 Rdh1 Re7
21 Nh4 Rg7 22 f4 Nc4 23 f5 Nxe3 24 Qxe3 gxf5 25 Re1 Re7 26 Qf4 Bf7  27
Reh1 Qe8 28 Nf3 Bg6 29 Bxf5 Rd8 30 Qg4 Bg7 31 Rxh7 Bxh7 32 Bxh7+ Kf8
33 Bg6 Qc6 34 Nh4 Qe6 35 Bf5 Qe3+ 36 Kb1 Ree8 37 Ng6+ Kg8 38 Nf4
Rd6  39 Qh5 Kf8 40 Ng6+ Kg8 41 Nf4 Kf8 42 Ng6+ Kg8 43 Qh7+ Kf7 44
Nf4 Kf8  45 Ng6+ Kf7 46 Nf4 Kf8 47 Ng6+ 1/2

M-Chess Professional 3.85X - Alex Shabalov [B03]
1 e4 Nf6 2 e5 Nd5 3 d4 d6 4 c4 Nb6 5 f4 dxe5 6 fxe5 c5 7 d5 e6 8 Nc3 exd5
9 cxd5 c4 10 Nf3 Bb4 11 Bxc4 Bxc3+ 12 bxc3 Nxc4 13 Qa4+ Nd7 14 Qxc4
Nb6  15 Qb5+ Qd7 16 Qxd7+ Bxd7 17 d6 Rc8 18 Bd2 Bb5 19 Nd4 Bd3 20
Kf2 Kd7  21 Rhe1 Rhe8 22 a4 Bg6 23 Ra2 Rc5 24 Nf3 Nc4 25 Bf4 Bh5 26
Rae2 Bxf3  27 gxf3 Ra5 28 Rg1 g6 29 Rb1 b6 30 Rb4 Nxe5 31 Rd4 f6 32 Bc1
Rc5 33 Re3  Rc4 34 Rxe5 Rxd4 35 Rxe8 Rxa4 36 Rf8 f5 37 Rf6 Rc4 38 Ba3
Rxc3 39 Rf7+  Kd8 40 Rxa7 f4 41 h4 h5 42 Ra6 Rb3 43 Ra8+ Kd7 44 Ra7+
Kd8 45 Bc1 Rb4  46 Rf7 Ke8 47 d7+ 1-0

Patrick Wolff - Socrates 4.0 [C42]
1 e4 e5 2 Nf3 Nf6 3 Nxe5 d6 4 Nf3 Nxe4 5 d4 d5 6 Bd3 Be7 7 0-0 Nc6 8

Re1  Bg4 9 c4 Nf6 10 Nc3 Bxf3 11 Qxf3 Nxd4 12 Qd1 Ne6 13 Qb3 Nc5 14
Qb5+ Kf8  15 cxd5 c6 16 Qc4 Nxd3 17 Qxd3 Nxd5 18 Qe4 Qd6 19 Bd2
Rd8 20 Rad1 Nf6  21 Qe2 Re8 22 Be3 Qc7 23 Qc4 Bd6 24 h3 a6 25 Bd4 b5
26 Qd3 Rxe1+ 27 Rxe1  Be7 28 Be5 Qd8 29 Qg3 Rg8 30 Rd1 Qb6 31 Bd6 c5
32 Bxe7+ Kxe7 33 Qe5+ Kf8  34 a4 Rh8 35 axb5 axb5 36 Rd6 Qc7 37 Nxb5
Qc8 38 Rb6 Nd7 39 Qd6+ Ke8  40 Rc6 Qb8 41 Qxb8+ Nxb8 42 Rc8+ 1-0

Round 2: Saturday, 1 October 1994, 11:40 AM
Chessmaster        0-1    Gulko
HIARCS            1/2    Rohde
Socrates           0-1    Benjamin
M-Chess            0-1    Yermolinsky
        Total: Humans 3.5, Computers 0.5
        Cumulative overall: Humans 5.5, Computers 2.5 (31%)
        Leaders: Benjamin, Gulko 1.5; HIARCS, M-Chess 1

Chessmaster 4000 Turbo - Boris Gulko (2620) [B09]
1 d4 d6 2 e4 Nf6 3 Nc3 g6 4 f4 Bg7 5 Nf3 0-0 6 Be2 c5 7 dxc5 Qa5 8 0-0
Qxc5+ 9 Kh1 Nc6 10 Bd3 Bg4 11 Qe1 Bxf3 12 Rxf3 e6 13 Be3 Qa5 14 Nb5
Qxe1+  15 Rxe1 Rfd8 16 Bf2 a6 17 Na3 b5 18 c4 b4 19 Nc2 Nd7 20 b3 a5 21
Bf1 a4  22 Rd1 axb3 23 axb3 Nc5 24 e5 Ne4 25 Bb6 Rdb8 26 Bc7 dxe5 27
Bxb8 Rxb8  28 fxe5 Nxe5 29 Rf4 f5 30 Re1 Nc5 31 Rb1 Nc6 32 Be2 Na5 33
Rf3 e5 34 Re3  e4 35 Rh3 h5 36 Rg3 Kf7 37 Bd1 Bc3 38 Ne3 Be5 39 Rh3
Nd3 40 Kg1 Nf4  41 Rh4 Bd4 42 Rxf4 Bxe3+ 43 Rf2 Rd8 44 Kf1 Bxf2 45
Kxf2 Rd2+ 46 Be2 f4  47 Ke1 Rc2 48 Kf1 Ke6 49 Bd1 Ra2 50 Be2 Ke5 51 h3
Nc6 52 Re1 Kf5 53 Rd1  Rb2 54 Rd5+ Ne5 55 Bd1 e3 56 h4 Ke4 57 Rd8
Rf2+ 58 Kg1 Rd2 59 Rxd2 exd2  60 Kf2 Kd3 61 c5 Kd4 62 Kf1 Ke3 63 Be2
Nc6 64 Bf3 Nd4 65 Bd1 Ke4 66 c6  Nxc6 67 Ke2 Nd4+ 68 Kxd2 f3 69 gxf3+
Nxf3+ 70 Ke2 Nxh4 71 Kf2 Nf5 72 Be2  Kf4 73 Kg2 h4 74 Kh2 g5 75 Kh3
Nd4 76 Bc4 Nf3 77 Be6 Ne5 78 Bc8 Nd3  79 Bb7 Nf2+ 80 Kg2 Ne4 81 Kh3
Nd6 82 Ba6 Nf7 83 Bb7 Ne5 84 Bc8 Ke3 85 Be6  Kf2 86 Bd5 Nd3 87 Kg4
h3 88 Kxh3 Nf4+ 89 Kg4 Nxd5 90 Kxg5 Ke3 91 Kg4 Kd3  92 Kf5 Kc3 93
Ke4 Nb6 94 Ke3 Kxb3 95 Kd3 Ka2 96 Ke3 b3 97 Ke4 b2 98 Kf4  b1/Q 99
Ke5 Qd3 100 Kf6 Qe4 101 Kg5 Qf3 102 Kg6 Nd5 103 Kg5 Ka1 104 Kg6
Qf6+ 105 Kh5 Qg7 106 Kh4 Ne3 0-1

HIARCS Master 3.0 - Michael Rohde (2589) [E55]
1 d4 Nf6 2 c4 e6 3 Nc3 Bb4 4 e3 0-0 5 Nf3 d5 6 Bd3 c5 7 0-0 dxc4 8 Bxc4
Nbd7 9 a3 cxd4 10 exd4 Bxc3 11 bxc3 Qc7 12 Qe2 b6 13 Bd2 Bb7 14 Bd3
Rfe8  15 Rfe1 Rad8 16 Bb5 Ne4 17 Ng5 Nxd2 18 Qxd2 h6 19 Ne4 a6 20
Bxd7 Qxd7  21 f4 Qc7 22 a4 Rc8 23 Ra3 Red8 24 Qe3 Qc6 25 Qg3 Kf8 26 a5
b5 27 Nc5 Ba8  28 Ra2 Kg8 29 Rb2 Qc7 30 Rbb1 Qxa5 31 Ra1 Qc7 32 Rxa6
b4 33 Rf1 Bd5  34 Raa1 Bc4 35 Rfb1 bxc3 36 Qxc3 Qxf4 37 Rd1 Be2 38 Re1
Qxd4+ 39 Qxd4  Rxd4 40 Nxe6 Rd2 41 Nd4 Bg4 42 Nb3 Rb2 43 Nd4 Rc4
44 Ra8+ Kh7 45 Rd8 Bc8  46 h3 Bb7 47 Re2 Rxe2 48 Nxe2 Rc2 49 Re8 f5 50
Nf4 Be4 51 Re7 Kg8 52 g4  g5 53 gxf5 Bxf5 54 Re5 Bd7 55 Ne6 Kf7 56 Nxg5+
hxg5 57 Rxg5 Bxh3 58 Rh5  1/2

Socrates 4.0 - Joel Benjamin (2586) [E11]
1 d4 Nf6 2 c4 e6 3 Nf3 Bb4+ 4 Bd2 Qe7 5 g3 Nc6 6 Bg2 Bxd2+ 7 Nbxd2 d6
8 0-0 0-0 9 e4 e5 10 d5 Nb8 11 Ne1 a5 12 Nd3 Na6 13 f4 c6 14 Qb3 Bd7  15
fxe5 dxe5 16 Qc3 cxd5 17 Qxe5 Rfe8 18 Qxe7 Rxe7 19 exd5 Re3 20 Rf3 Re2
21 Nb3 a4 22 Nbc1 Rc2 23 Rf2 Rxc4 24 Ne5 Rd4 25 Rxf6 gxf6 26 Nxd7
Rd1+  27 Kf2 Rc8 28 Nb3 Rc2+ 29 Kf3 Rxa1 30 Nxf6+ Kf8 31 Nxa1 Rxb2
32 d6 Rxa2  33 Nxh7+ Ke8 34 Nf6+ Kd8 35 Ne4 Rxa1 36 Ng5 f6 37 Nf7+
Ke8 38 Nh6 a3  39 d7+ Kxd7 40 Bh3+ Kd6 41 Nf7+ Ke7 42 Nh6 a2 43 Nf5+
Kf8 44 Ne3 Rc1  45 Bf5 a1/Q 0-1

M-Chess Professional 3.85X - Alex Yermolinsky (2570) [B67]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 Nc6 6 Bg5 e6 7 Qd2 a6 8 0-0-
0  Bd7 9 f4 b5 10 Bxf6 gxf6 11 Nxc6 Bxc6 12 Qe1 b4 13 Nd5 a5 14 Bd3 Bg7
15 Ne3 f5 16 exf5 Qf6 17 c3 bxc3 18 Bc2 cxb2+ 19 Kb1 0-0 20 Rxd6 Rac8  21
Qxa5 Ra8 22 Qd2 Rxa2 23 Kxa2 Ra8+ 24 Kb3 Ba4+ 25 Kb4 Bxc2 26 Nd5
Qd4+  27 Qxd4 Bxd4 28 fxe6 fxe6 29 Nc3 Bf6 30 Rxe6 Rb8+ 31 Nb5 Kf7 32
Re3 b1Q+  33 Rxb1 Bxb1 34 Kc5 Be7+ 35 Nd6+ Bxd6+ 36 Kxd6 Rb2 37
Re1 Bf5 38 Ke5 Kg6  39 h4 h5 40 g3 Rb3 41 Rg1 Ra3 42 Rg2 Bg4 43 Rg1
Re3+ 44 Kd4 Rb3 45 Ke5  Rb5+ 46 Kd4 Kf5 47 Ra1 Rb4+ 48 Kc3 Re4 49
Ra5+ Kf6 50 Kd3 Bf5 51 Kd2 Rd4+  52 Ke3 Rd3+ 53 Kf2 Bg4 54 Ra2 Ke6
55 Ra8 Kd5 56 Ra4 Rf3+ 57 Kg2 Re3  58 Ra5+ Ke4 59 Ra4+ Kd3 60 Ra3+
Kd4 61 Ra4+ Kc5 62 Ra2 Re2+ 63 Rxe2 Bxe2  64 Kf2 Bg4 65 Ke3 Kd5 66
Kd3 Be6 67 Ke3 Bf5 68 Kf3 Kd4 69 Kf2 Bg4 70 Kf1  Ke3 71 Kg2 Ke2 72 f5
Bxf5 73 g4 Bxg4 74 Kg3 Ke3 75 Kg2 Kf4 76 Kf2 Bf3  77 Kf1 Kg3 78 Ke1
Kxh4 79 Kf2 Kg4 80 Ke3 Kg3 81 Kd4 h4 0-1

Round 3: Saturday, 1 October 1994, 12:50 PM
Yermolinsky      1/2   Chessmaster
Shabalov         1/2   HIARCS
Rohde       1/2   Socrates
Wolff       1-0   M-Chess
     Total: Humans 2.5, Computers 1.5
     Cumulative overall: Humans 8, Computers 4 (33%)
     Leaders: Wolff 2; HIARCS 1.5

Alex Yermolinsky (2570) - Chessmaster 4000 Turbo [D55]
1 d4 d5 2 c4 e6 3 Nc3 Nf6 4 Bg5 Be7 5 e3 0-0 6 Nf3 b6 7 Rc1 Ba6 8 Qb3
Nc6  9 cxd5 Bxf1 10 Kxf1 Na5 11 Qb5 a6 12 Qd3 exd5 13 Bxf6 Bxf6 14 g3
Re8  15 Kg2 Nc6 16 Rhd1 Qd6 17 Rd2 Qd7 18 a3 Na5 19 Rdc2 Nb3 20
Rd1 Na5 21 b4  Nc6 22 Rdc1 Nd8 23 e4 c6 24 e5 Be7 25 Na4 Qc7 26 h4 f6
27 Qb3 Qb7 28 Nb2  fxe5 29 Nxe5 c5 30 bxc5 bxc5 31 Qxb7 Nxb7 32 Nbd3
cxd4 33 a4 Na5 34 f4  Bd6 35 g4 Bxe5 36 Nxe5 Nc4 37 Nxc4 dxc4 38 Rxc4
Rad8 39 Rd1 d3 40 f5 Re5  41 Kf3 Red5 42 Rd2 h5 43 Ke3 Re8+ 44 Re4
Rxe4+ 45 Kxe4 Ra5 46 g5 Rxa4+  47 Ke5 Rxh4 48 Rxd3 Rh1 49 g6 Re1+ 50
Kf4 Kf8 51 Ra3 h4 52 Rxa6 h3  53 Ra8+ Ke7 54 Ra7+ Kf8 55 Kg3 Re3+ 56
Kh2 Rf3 57 Rf7+ Kg8 58 Kg1 Rf4  59 Kh2 Rf3 60 Kg1 Re3 61 Kh2 1/2

Alex Shabalov (2573) - HIARCS Master 3.0 [B82]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 e6 6 f4 Nc6 7 Nf3 Be7 8 Bd3
0-0 9 a3 d5 10 e5 Ng4 11 Qe2 f5 12 Bd2 Bc5 13 Rf1 Nd4 14 Nxd4 Bxd4 15 g3
Bd7 16 h3 Nh6 17 Be3 Bxc3+ 18 bxc3 Qa5 19 Bd4 Rac8 20 Kd2 Rc7 21 Rfb1
Rfc8 22 Rb4 b6 23 a4 Bc6 24 Rg1 Be8 25 Qe3 Kh8 26 Ke2 Ng8 27 Kf2 Ne7
28 Ra1 Kg8 29 Kg2 Ng6 30 Kh2 h5 31 Rg1 Ne7 32 Rg2 Nc6 33 g4 hxg4 34
hxg4  Nxb4 35 cxb4 Qxb4 36 gxf5 Bxa4 37 c3 Qa5 38 fxe6 Bb5 39 Bg6 Be8 40
Bxe8  Rxe8 41 f5 Qb5 42 Qh3 Qc6 43 Rg6 Ree7 44 Qg2 Qb7 45 Qg4 Rc6 46
Qh4 Rcc7  47 Qh5 Qc8 48 Rg3 Qe8 49 Qg4 b5 50 Qh4 Rxe6 51 fxe6 Qe7 52
Qg4 Rc6 53 Be3  Rxc3 54 Rf3 Rc2+ 55 Kh3 Rc4 56 Bd4 Rc7 57 Rf7 Qa3+ 58
Kh4 Rxf7 59 exf7+  Kxf7 60 e6+ Ke7 61 Bxg7 Qe3 62 Bf8+ Kxf8 63 Qf5+
Ke7 64 Qf7+ Kd6 65 Qd7+  Ke5 66 e7 Qf2+ 67 Kg4 Qf4+ 68 Kh3 Qf3+ 69
Kh2 Qe2+ 70 Kg1 Qe1+ 71 Kg2  Qd2+ 72 Kg1 Qe3+ 73 Kg2 Qe4+ 74 Kg1
Qd4+ 75 Kg2 Qb2+ 76 Kg1 Qc1+ 77 Kg2  Qc2+ 78 Kg1 Qg6+ 79 Kf2 Qc2+
80 Kg1 Qb1+ 81 Kf2 Qa2+ 82 Kg1 Qa1+ 83 Kf2  Qa2+ 84 Kg1 Qa1+ 85 Kf2
Qb2+ 86 Kg1 Qd4+ 87 Kg2 Qb2+ 88 Kg1 1/2

Michael Rohde (2589) - Socrates 4.0 [A15]
1 Nf3 Nf6 2 c4 b6 3 Nc3 Bb7 4 d4 d5 5 cxd5 Nxd5 6 Qc2 e6 7 e4 Nxc3 8

bxc3  Be7 9 Bb5+ c6 10 Bd3 0-0 11 0-0 c5 12 d5 exd5 13 exd5 Qxd5 14
Bxh7+ Kh8  15 Re1 Nc6 16 Be4 Qd6 17 g3 Rae8 18 Bf4 Qe6 19 Rad1 Qc8
20 Bg5 Qg4  21 Bxc6 Bxc6 22 Ne5 Ba4 23 Nxg4 Bxc2 24 Rc1 Bxg5 25 Rxe8
Rxe8 26 Rxc2 f5  27 h4 Bxh4 28 Ne3 Bxg3 29 Nxf5 Bf4 30 c4 Kh7 31 Kg2 g5
32 Kf3 Kg6 33 Ng3  Rf8 34 Ne4 Be5+ 35 Kg2 Rf4 36 Re2 Kf5 37 Ng3+ Ke6
38 Ne4 g4 39 Re1 Rf8  40 Nc3 Rh8 41 Nd5 Rh2+ 42 Kg1 Rh7 43 Kg2 Rh6
44 Re2 Rh2+ 45 Kg1 Rh7  46 Kg2 Rg7 47 Re1 b5 48 Nf4+ Kd6 49 Nd3 Bc3
50 Re4 a6 51 Kg3 Bd4 52 cxb5  axb5 53 Rxg4 Rxg4+ 54 Kxg4 c4 55 Nc1 Bxf2
56 Kf3 Bd4 57 Ke4 Bf6 58 Ne2 b4  59 Ke3 Kd5 60 Kd2 Bg7 61 Kc2 Be5 62
Ng1 Ke4 63 Nh3 Bd4 64 Ng5+ Kd5 65 Nf3  Be3 66 Nh4 Ke4 67 Ng6 Bc5 68
Nh8 Kd4 69 Nf7 Kd5 70 Ng5 Bb6 71 Nf3 Bd4  72 Nd2 Be5 73 Nf3 Bf4 74
Ne1 Ke4 75 Kb2 Bd2 76 Nc2 Kd3 77 Kb1 Kc3 78 Na1  Be3 79 Nc2 Bg5 80
Na1 Kd2 81 Nc2 Be7 82 Nd4 c3 83 Nc2 Bc5 84 Na1 Bf8  85 Nc2 Bd6 86
Na1 Bc5 87 Nc2 Bf8 88 Na1 Bd6 89 Nc2 Be7 90 Nd4 Bc5 91 Nc2  Kd1 92
Na1 Be7 1/2

Patrick Wolff (2598) - M-Chess Professional 3.85X [B33]
1 e4 c5 2 Nf3 e6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 Nc6 6 Ndb5 d6 7 Bf4 e5 8
Bg5  a6 9 Na3 b5 10 Nd5 Be7 11 Bxf6 Bxf6 12 c3 Bb7 13 Nc2 Nb8 14 a4 bxa4
15 Rxa4 Nd7 16 Rb4 Bxd5 17 Qxd5 0-0 18 Bc4 Nb6 19 Qd3 a5 20 Rb5 Nxc4
21 Qxc4 Rb8 22 0-0 Rxb5 23 Qxb5 Qb8 24 Na3 Qxb5 25 Nxb5 Rb8 26 c4 g6
27 Rd1 Be7 28 Kf1 f5 29 f3 fxe4 30 fxe4 Rc8 31 Rc1 a4 32 Ke2 Bg5 33 Rc2
Rc6 34 Kd3 Kg7 35 Rf2 Bc1 36 Rc2 Bg5 37 Rc3 Kf6 38 Ra3 Bc1 39 Ra2 Ra6
40 Kc2 Bg5 41 Nc3 Ke7 42 Rxa4 Rxa4 43 Nxa4 Bf4 44 h3 Kd7 45 b4 Be3 46
Nc3  Kc6 47 Nd5 Bf2 48 Nf6 h5 49 Nd5 g5 50 Nf6 h4 51 Nd5 Bd4 52 Kd3
Kb7 53 Ke2  Kc6 54 Kf3 Bb2 55 Kg4 Bc1 56 Kf5 Kd7 57 Nf6+ Kc6 58 Ke6
Be3 59 Nd5 Bd4  60 Kf5 Bg1 61 Kxg5 Bf2 62 Kf5 Bd4 63 Ke6 Bf2 64 Ne7+
Kc7 65 Nf5 Be1 66 b5  Bb4 67 Nxh4 Be1 68 Nf5 1-0

Round 4: Saturday, 1 October 1994, 2:00 PM
Rohde        1-0   Chessmaster
HIARCS        1/2   Wolff
Socrates      0-1   Yermolinsky
Benjamin      1-0   M-Chess
      Total: Humans 3.5, Computers 0.5
      Cumulative overall: Humans 11.5, Computers 4.5 (28%)
      Leaders: Benjamin, Wolff, Yermolinsky 2.5; HIARCS 2

Michael Rohde (2589) - Chessmaster 4000 Turbo [D34]
1 Nf3 Nf6 2 c4 c5 3 Nc3 e6 4 g3 Nc6 5 Bg2 d5 6 cxd5 exd5 7 d4 Be7 8 0-0  0-
0 9 Bg5 cxd4 10 Nxd4 Re8 11 Rc1 h6 12 Be3 Bg4 13 h3 Be6 14 Na4 Nxd4  15
Qxd4 Qd7 16 Kh2 Ne4 17 b3 Bf6 18 Qd1 b6 19 Bd4 Bxd4 20 Qxd4 Bf5 21
Nb2  Rac8 22 Nd3 Nf6 23 Nf4 Be4 24 f3 Bh7 25 h4 Rc5 26 Rxc5 bxc5 27
Qxc5 g5  28 hxg5 hxg5 29 Nh3 Rxe2 30 Qd4 Qe7 31 Nxg5 Rxa2 32 Nh3 Bc2
33 Rc1 Bxb3  34 Rc8+ Ne8 35 Nf4 Qd7 36 Rb8 Qa4 37 Qe5 Rxg2+ 38 Kxg2
Qa2+ 39 Kh3 Ba4  40 Nxd5 Bd7+ 41 g4 Qa6 42 Nf6+ Qxf6 43 Qxf6 a5 44
Qe7 Bc6 45 Rxe8+ Bxe8  46 Qxe8+ Kg7 47 g5 a4 48 Qxa4 Kg6 49 Kg4 Kg7 50
Kf5 Kg8 51 Kf6 Kh7  52 Kxf7 Kh8 53 Qh4 mate 1-0

HIARCS Master 3.0 - Patrick Wolff (2598) [B96]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Bg5 e6 7 f4 Nbd7 8 Qe2
Qc7 9 0-0-0 b5 10 f5 e5 11 Nd5 Nxd5 12 exd5 Nb6 13 Qh5 Be7 14 Bxe7
Qxe7  15 Nc6 Qf6 16 g4 h6 17 Kb1 Bd7 18 Bg2 Qg5 19 Qxg5 hxg5 20 h3
Bxc6 21 dxc6  Ke7 22 Rd3 Ra7 23 Rhd1 Rd8 24 Kc1 Rc7 25 Ra3 Ra8 26 Bf3
f6 27 Kb1 Raa7  28 Rc3 Ra8 29 Rcd3 Rd8 30 Ra3 Ra8 31 Kc1 Nc4 32 Rad3
Rd8 33 a4 bxa4  34 Rc3 Nb6 35 Rcd3 Nc4 36 Bd5 Na5 37 Rc3 Rb8 38 Rdd3
Rb5 39 Be4 Rb4  40 Bd5 Rb6 41 Kb1 Rb5 42 Bg2 Rc5 43 Rxc5 dxc5 44 Rc3

c4 45 Ra3 Nxc6  46 Rxa4 Nd4 47 Rxa6 c3 48 b4 Kd7 49 Bd5 Rc8 50 Rb6
Kc7 51 Rb7+ Kd6 52 Bg2  Rc7 53 Rb6+ Kd7 54 Ra6 Rc4 55 Ra7+ Kd6 56
Ra6+ Kc7 57 Ra7+ Kd6 58 Ra6+  Kc7 59 Ra7+ Kd6 1/2

Socrates 4.0 - Alex Yermolinsky (2570) [B05]
1 e4 Nf6 2 e5 Nd5 3 d4 d6 4 Nf3 Bg4 5 Be2 e6 6 0-0 Be7 7 c4 Nb6 8 h3 Bh5
9 Nc3 0-0 10 exd6 cxd6 11 d5 e5 12 b3 N8d7 13 a4 a5 14 Ne4 Bxf3 15 Bxf3
f5 16 Nc3 Nc5 17 Nb5 Nbd7 18 Bd2 b6 19 Qc2 e4 20 Be2 Bf6 21 Rad1 Be5
22 f4 exf3 23 Bxf3 Qh4 24 Nc7 Qg3 25 Rfe1 Ne4 26 Be3 Ndc5 27 Bxc5 bxc5
28 Nxa8 Bd4+ 29 Kf1 Rxa8 30 Rxd4 cxd4 31 Bxe4 fxe4 32 Rxe4 Qh2 33 Re2
Rf8+ 34 Rf2 Re8 35 Re2 Rf8+ 36 Rf2 Qh1+ 37 Ke2 Re8+ 38 Kd3 Qe1 39
Rf3  Re3+ 40 Kxd4 Re2 41 Qd3 Rd2 42 Qxd2 Qxd2+ 43 Ke4 Qxg2 44 Ke3
g5 45 Ke4  Kg7 46 Ke3 h5 47 h4 gxh4 48 Rf2 Qg1 49 Ke2 h3 50 Kf3 h4 51
Rd2 Qg3+  52 Ke2 h2 0-1

Joel Benjamin (2586) - M-Chess Professional 3.85X [C02]
1 e4 e6 2 d4 d5 3 e5 c5 4 c3 Nc6 5 Nf3 Bd7 6 Be2 Nge7 7 Na3 cxd4 8 cxd4
Nf5 9 Nc2 Rc8 10 0-0 Qb6 11 Bd3 Be7 12 b3 0-0 13 Bf4 Qa5 14 g4 Nh4  15
Nxh4 Bxh4 16 g5 Qc3 17 Re1 g6 18 Re3 Nxd4 19 Bxg6 Qb2 20 Bxh7+ Kg7
21 Qh5 Bxf2+ 22 Kxf2 Rxc2+ 23 Bxc2 Rh8 24 Qd1 Nxc2 25 Re2 Qxa1 26
Qxc2  Bb5 27 Re1 Qd4+ 28 Kg3 Rh5 29 Qd2 Qxd2 30 Bxd2 Kg6 31 h4 a6 32
Rc1 d4  33 a4 Bd3 34 Rc8 Kf5 35 Bf4 Rxh4 36 Kxh4 Kxf4 37 Rc7 Bg6 38
Rxb7 d3  39 Rd7 Ke3 40 b4 d2 41 Rxd2 Kxd2 42 b5 Be4 43 g6 fxg6 44 Kg5 a5
45 Kf6  Kc3 46 Kxe6 Kb4 47 Kd6 Kxa4 48 b6 Kb5 49 Kc7 Bd5 50 e6 Bxe6
51 b7 Ka4  52 b8/Q Bc4 53 Kd6 Bb3 54 Kc5 Ka3 55 Kd4 Kb2 56 Kd3 g5 57
Qe5+ Ka3  58 Qxa5+ Kb2 59 Qxg5 Bc2+ 60 Kd2 Bb3 61 Qa5 Kb1 62 Kc3
Bc2 63 Qa3 1-0

Round 5: Saturday, 1 October 1994, 3:10 PM
Chessmaster       1-0   Shabalov
Yermolinsky       1-0   HIARCS
Socrates          1-0   Gulko
M-Chess           1-0   Rohde
     Total: Humans 1, Computers 3
     Cumulative overall: Humans 12.5, Computers 7.5 (38%)
     Leaders: Yermolinsky 3.5; Chessmaster, HIARCS, M-Chess 2

Chessmaster 4000 Turbo - Alex Shabalov (2573) [D47]
1 d4 d5 2 c4 c6 3 e3 Nf6 4 Nc3 e6 5 Nf3 Nbd7 6 Bd3 dxc4 7 Bxc4 b5 8 Bb3
Bb7 9 a3 a6 10 0-0 c5 11 Bc2 Qb8 12 dxc5 Bxc5 13 b4 Bd6 14 Bb2 Bxf3  15
gxf3 Bxh2+ 16 Kg2 Be5 17 Bd3 Nd5 18 Qb3 Qd8 19 f4 Bxc3 20 Bxc3 Nxc3
21 Qxc3 Rc8 22 Qxg7 Nf8 23 Rfd1 Qd5+ 24 f3 Ke7 25 Qxh8 Ng6 26 Qxc8
Nh4+  27 Kg3 Qxf3+ 28 Kxh4 Qf2+ 29 Kg5 h6+ 30 Kxh6 Qh4+ 31 Kg7
Qg4+ 32 Kh8 Qh4+  33 Bh7 Qxh7+ 34 Kxh7 Kf6 35 Qc5 1-0

Alex Yermolinsky (2570) - HIARCS Master 3.0 [A46]
1 d4 Nf6 2 Nf3 e6 3 Bg5 c5 4 e3 Qb6 5 Nbd2 Qxb2 6 Bd3 d5 7 Bxf6 gxf6 8
c4  cxd4 9 exd4 dxc4 10 Bxc4 Bh6 11 0-0 0-0 12 Ne4 Nd7 13 Rb1 Qa3 14 d5
e5  15 Nh4 Nb6 16 Qh5 Bg7 17 Rb3 Qa4 18 Rg3 Kh8 19 Bd3 f5 20 Ng5
Qxh4 21 Qxh4  h6 22 Qh5 Kg8 23 Ne6 fxe6 24 Qxh6 Rf7 25 dxe6 Bxe6 26
Qxe6 e4 27 Bc2 Raf8  28 Bb3 Nc4 29 Bxc4 b5 30 Bb3 e3 31 Qg6 1-0

Socrates 4.0 - Boris Gulko (2620) [B08]
1 e4 d6 2 d4 Nf6 3 Nc3 g6 4 Be2 Bg7 5 Nf3 0-0 6 0-0 Nc6 7 Bf4 Nh5 8 Bg5
h6 9 Be3 e5 10 dxe5 dxe5 11 Qxd8 Nxd8 12 Nb5 Ne6 13 Nxa7 Bd7 14 Rfd1
Rfd8  15 Nb5 Bc6 16 Nd2 Nhf4 17 Bf1 Bxb5 18 Bxb5 Nd4 19 Bxd4 Rxd4 20
c3 Rd6  21 Nf1 Rxd1 22 Rxd1 Rxa2 23 Rd2 Bf8 24 Bc4 Ra4 25 b3 Ra3 26

Rd7 Ne6 27 g3  Bd6 28 Bxe6 fxe6 29 Nd2 b5 30 Kf1 Ra2 31 Ke2 b4 32 c4
Rc2 33 h4 Kf8  34 Kd1 Rc3 35 f3 Re3 36 h5 gxh5 37 Rh7 Bc5 38 Rxh6 Bd4
39 Rh8+ Ke7  40 Rxh5 Bc3 41 Rh7+ Kf6 42 Nb1 Bd4 43 Rxc7 Rxb3 44 Nd2
Rd3 45 Rd7 b3  46 c5 b2 47 Rb7 Ra3 48 c6 Ra1+ 49 Ke2 Rc1 50 c7 Rc2 51 f4
Kg6 52 g4 Rc1  53 f5+ Kf6 54 g5+ Kxg5 55 fxe6 Kf6 56 e7 Kf7 57 Rb8 Kxe7
58 c8/Q Rxc8  59 Rxc8 Kd7 60 Rb8 Kc7 61 Rb3 Kc6 62 Nf3 Kc5 63 Kd3 1-
0


M-Chess Professional 3.85X - Michael Rohde (2589) [B32]
1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Qc7 5 Nb5 Qb8 6 c4 Nf6 7 N5c3 e6 8
f4  d6 9 Be2 a6 10 Be3 Be7 11 0-0 0-0 12 Na3 Re8 13 Qd2 b6 14 Rad1 Ra7 15
Bf3  Rc7 16 Qf2 Nd7 17 b3 Bf8 18 Kh1 Nb4 19 Nc2 Nxc2 20 Qxc2 b5 21
cxb5 axb5  22 Qd3 b4 23 Na4 Bb7 24 Rc1 Rec8 25 Rxc7 Rxc7 26 Re1 h6 27
Bd2 Nf6 28 Nb2  d5 29 exd5 exd5 30 Be3 Ne4 31 Na4 Qc8 32 Rd1 Qe6 33
Kg1 Nc3 34 f5 Qe8  35 Re1 Nxa4 36 bxa4 Rc3 37 Qd2 Qxa4 38 Bd1 Qb5 39
f6 Qd3 40 fxg7 Bxg7  41 Bxh6 Qxd2 42 Re8+ Kh7 43 Bxd2 Rc7 44 Bxb4 Rc1
45 Re1 Bd4+ 46 Kf1 Kg7  47 Be2 Rc2 48 a4 Ba6 49 a5 Be3 50 Bxa6 Rf2+ 51
Kg1 Re2+ 52 Kh1 Rb2  53 Bc3+ 1-0


Round 6: Saturday, 1 October 1994, 4:20 PM
Chessmaster       1/2   Wolff
HIARCS            0-1   Benjamin
Shabalov          0-1   Socrates
Gulko       1-0   M-Chess
     Total: Humans 2.5, Computers 1.5
     Cumulative overall: Humans 15, Computers 9 (38%)
     Leaders: Benjamin, Yermolinsky 3.5; Chessmaster, Socrates 2.5


Alex Shabalov (2573) - Socrates 4.0 [C22]
1 e4 e5 2 d4 exd4 3 Qxd4 Nc6 4 Qe3 Nf6 5 Nc3 Bb4 6 Bd2 0-0 7 0-0-0 Re8
8 Qg3 Rxe4 9 a3 Rg4 10 Qe3 Ba5 11 f3 Rg6 12 h4 Bb6 13 Qe1 d6 14 h5 Nxh5
15 Rxh5 Bxg1 16 Bd3 Bc5 17 Qh1 h6 18 Ne4 Bb6 19 Kb1 Ne5 20 Bxh6 gxh6
21 Rxh6 Rxh6 22 Qxh6 Ng6 23 Bc4 Bf5 24 Rh1 Qe7 25 g4 Be6 26 Bd3 Bd4
27 Ng5 Bg7 28 Qh7+ Kf8 29 Rh5 Bd7 30 Bxg6 Qf6 0-1


Boris Gulko (2620) - M-Chess Professional 3.85X [A45]
1 d4 Nf6 2 Bf4 e6 3 e3 b6 4 Nd2 d5 5 Ngf3 Bd6 6 Ne5 0-0 7 Bd3 Ba6 8 c4
dxc4 9 Ndxc4 Bb4+ 10 Kf1 Nd5 11 Bg3 b5 12 Nd2 c5 13 dxc5 f6 14 Qh5
Nxe3+  15 fxe3 fxe5+ 16 Ke2 g6 17 Qxe5 Qc8 18 Ne4 Nc6 19 Qg5 Kg7 20
Rhf1 Rf5  21 Rxf5 exf5 22 Qf6+ Kg8 23 Bc2 1-0


Chessmaster 4000 Turbo - Patrick Wolff (2598) [B88]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Bc4 e6 7 Bb3 Nc6 8 Be3
Qc7 9 0-0 Na5 10 Qd3 b5 11 f3 Be7 12 a3 0-0 13 Ba2 Bd7 14 Nde2 Rac8  15
Qd2 Rfd8 16 Rfd1 Nc4 17 Bxc4 Qxc4 18 Bb6 Re8 19 Ng3 Qc6 20 Bf2 Qc7
21 Re1 Red8 22 Rac1 Bc6 23 Rcd1 Nd7 24 Nd5 Bxd5 25 exd5 e5 26 Nf5 Bf6
27 f4 Re8 28 Qb4 Nc5 29 fxe5 Bxe5 30 Qg4 g6 31 Bd4 Bxd4+ 32 Nxd4 Qd7
33 Qh4 Rxe1+ 34 Rxe1 Re8 35 b4 Rxe1+ 36 Qxe1 Qg4 37 Nf3 Ne4 38 Qe3
Qf5  39 Qd4 Nf6 40 h4 Nxd5 41 c4 Nf4 42 Qxd6 Qg4 43 Qb8+ Kg7 44
Qe5+ f6  45 Qe7+ Kh6 46 Ne1 Qxh4 47 c5 Qg3 48 c6 Nh3+ 49 Kh1 Nf2+
50 Kg1 Nh3+  51 Kh1 1/2


HIARCS Master 3.0 - Joel Benjamin (2586) [E35]
1 d4 Nf6 2 c4 e6 3 Nc3 Bb4 4 Qc2 d5 5 cxd5 exd5 6 Bg5 h6 7 Bxf6 Qxf6 8 a3
Bxc3+ 9 Qxc3 c6 10 e3 0-0 11 Nf3 Nd7 12 Bd3 Nb6 13 Qc2 Be6 14 0-0 Nc8
15 Qc5 Bf5 16 Bxf5 Qxf5 17 a4 Qe6 18 b4 Nd6 19 Nd2 f5 20 Rac1 a6 21
Rce1  Rae8 22 f3 Qd7 23 Re2 Re7 24 Rc1 Rfe8 25 Rce1 Kh8 26 Qc3 Qd8

27 Nf1 f4  28 Kf2 fxe3+ 29 Nxe3 Re6 30 Ng4 Rxe2+ 31 Rxe2 Rxe2+ 32 Kxe2
Nf5 33 Ne5 Kg8 34 g4 Nd6 35 Kd3 Qf6 36 Qc2 Nf7 37 Qe2 Nxe5+ 38 dxe5
Qf4 39 Kc3 Kf7  40 e6+ Ke7 41 h4 b5 42 axb5 axb5 43 Kc2 Qc4+ 44 Kd1
Qxe2+ 45 Kxe2 Kxe6  46 f4 Kd6 47 h5 c5 48 bxc5+ Kxc5 49 Kd3 b4 50 g5
Kd6 51 Kc2 d4 52 f5 Ke7  53 f6+ gxf6 54 gxh6 Kf7 55 Kd3 b3 56 Kd2 Kg8 57
Kd3 f5 58 Kd2 f4 59 Kd3  f3 60 Kd2 b2 61 Kc2 f2 62 Kxb2 f1/Q 63 Kb3
Qb5+ 64 Kc2 d3+ 65 Kc1 Qb4  66 h7+ Kh8 67 h6 Qc3+ 68 Kb1 d2 69 Ka2
Qb4 70 Ka1 d1Q+ 71 Ka2 Qdb1 mate 0-1

Round 7: Sunday, 2 October 1994, 10:15 AM
WChess          1-0   Wolff
Rohde      1-0   Zarkov
Yermolinsky      1-0   NOW
Shabalov         1-0   REBEL
      Total: Humans 3, Computers 1
      Cumulative overall: Humans 18, Computers 10 (36%)
      Leaders: Yermolinsky 4.5; Chessmaster, Socrates 2.5

WChess - Patrick Wolff (2598) [B96]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Bg5 e6 7 f4 Nbd7 8 Qf3
Qc7 9 0-0-0 b5 10 Bxb5 axb5 11 Ndxb5 Qb8 12 e5 Ra5 13 exf6 gxf6 14 Bh6
Bxh6 15 Nxd6+ Ke7 16 Kb1 Rd8 17 Qe4 f5 18 Qd4 Rg8 19 Nxc8+ Qxc8 20
Qb4+  Qc5 21 Rxd7+ Kxd7 22 Qb7+ Ke8 23 Qb8+ Ke7 24 Qxg8 Bxf4 25
Rd1 Qc7 26 h3  Be5 27 Ne2 Bf6 28 c3 Rb5 29 Nd4 Rb6 30 g4 fxg4 31 hxg4
h6 32 Qa8 Be5  33 Ka1 Qb7 34 Nc6+ 1-0

Michael Rohde (2589) - Zarkov-X [A34]
1 Nf3 c5 2 c4 Nf6 3 Nc3 Nc6 4 g3 d5 5 cxd5 Nxd5 6 Bg2 Nc7 7 0-0 e5 8 d3
Be7 9 Nd2 Bd7 10 Nc4 f6 11 a3 Rb8 12 Rb1 b5 13 Ne3 Nd4 14 Ned5 Nxd5
15 Nxd5 Bc6 16 e4 Bxd5 17 exd5 0-0 18 Be3 Bd6 19 Bxd4 exd4 20 Re1 Qd7
21 Qh5 g6 22 Qf3 Rbe8 23 Rxe8 Qxe8 24 Kf1 Rf7 25 Re1 Re7 26 Re6 f5 27
Kg1  Rxe6 28 dxe6 Qxe6 29 Qc6 Kg7 30 Qxb5 Qe1+ 31 Bf1 a5 32 Kg2 Kh6
33 Qc6 Bf8  34 Qf3 Qc1 35 Qe2 a4 36 Qe8 Bg7 37 Qe7 Bh8 38 Qd8 Kg7 39
Qb6 Kh6 40 Qb8  Bg7 41 Qd8 Qg5 42 Qb6 Qc1 43 Qb5 Qd2 44 Qxa4
Qxb2 45 Qa6 Be5 46 a4 Qc3  47 Be2 Qd2 48 Bf3 Qb4 49 Bd5 Qc3 50 Bc4
Qd2 51 Qe6 Bc7 52 Qe7 Qa5 53 Qf8+  Kh5 54 Bd5 1-0

Alex Yermolinsky (2570) - NOW [E31]
1 d4 e6 2 c4 Nf6 3 Nc3 Bb4 4 Bg5 h6 5 Bh4 c5 6 d5 d6 7 e3 Bxc3+ 8 bxc3 e5
9 f3 Bf5 10 e4 Bd7 11 Bd3 Na6 12 Ne2 b6 13 0-0 0-0 14 a4 Nc7 15 f4 exf4  16
Nxf4 g5 17 Nh5 Nxh5 18 Qxh5 gxh4 19 Qxh6 f5 20 Qg6+ Kh8 21 Qxd6 Rf6
22 Qf4 h3 23 Rf3 hxg2 24 Rg3 Rf7 25 e5 Qf8 26 e6 Bxe6 27 Qe5+ Rg7 28
dxe6  Ne8 29 Bxf5 Qf6 30 Qxf6 Nxf6 31 Rd1 Rxg3 32 hxg3 Rg8 33 Kxg2 Rg5
34 g4  Nxg4 35 Bxg4 Rxg4+ 36 Kf3 Rg6 37 e7 Rf6+ 38 Kg4 1-0

Alex Shabalov (2573) - REBEL 6.0 [B12]
1 e4 c6 2 d4 d5 3 e5 Bf5 4 Nc3 e6 5 g4 Bg6 6 Nge2 c5 7 Be3 Nc6 8 dxc5
Nxe5 9 Nf4 a6 10 Qe2 Nf6 11 0-0-0 Nfxg4 12 Nfxd5 exd5 13 Rxd5 Qe7 14
Bf4  Rd8 15 f3 Nxf3 16 Qxf3 Rxd5 17 Qxd5 Ne3 18 Qd2 Nxc2 19 Bc4 Qd7
20 Qe2+  Be7 21 Rd1 Qf5 22 Nd5 Qe4 23 Nc7+ Kf8 24 Qxe4 Bxe4 25 Bd5
Bf5 26 a3 Bxc5  27 Bxb7 Nd4 28 b4 Ne2+ 29 Kb2 Bd4+ 30 Kb3 Nxf4 31
Rxd4 Ne6 32 Nxe6+ Bxe6+  33 Ka4 Ke7 34 Bxa6 Ra8 35 Kb5 g5 36 Kb6 f5
37 Kb7 Rd8 38 Rxd8 Kxd8 39 b5  f4 40 b6 Bd5+ 41 Ka7 Ke7 42 a4 g4 43 b7
Bxb7 44 Kxb7 g3 45 hxg3 fxg3  46 Bf1 Ke6 47 a5 Kf5 48 a6 Kg4 49 a7 h5 50
a8/Q 1-0

Round 8: Sunday, 2 October 1994, 11:25 AM

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WChess          1/2   Benjamin
Zarkov          0-1   Gulko
NOW       0-1   Rohde
REBEL     0-1   Yermolinsky
     Total: Humans 3.5, Computers 0.5
     Cumulative overall: Humans 21.5 Computers 10.5 (33%)
     Leaders: Yermolinsky 5.5; Chessmaster, Socrates 2.5


WChess - Joel Benjamin (2586) [B49]
1 e4 c5 2 Nf3 e6 3 d4 cxd4 4 Nxd4 Nc6 5 Nc3 a6 6 Be3 Qc7 7 Be2 b5 8
Nxc6  Qxc6 9 f4 Bb7 10 Bf3 Qc4 11 Qd3 Qxd3 12 cxd3 Nf6 13 0-0 d6 14
Rac1 Nd7  15 Ne2 Nc5 16 Rfd1 Kd7 17 b4 Na4 18 Rd2 Be7 19 Bd4 f6 20
Rdc2 Rhc8 21 Kh1  Rxc2 22 Rxc2 Rc8 23 Rxc8 Bxc8 24 h3 Kc7 25 Kg1 e5
26 Ba1 Be6 27 a3 Kd7  28 d4 Nb6 29 fxe5 dxe5 30 dxe5 Nc4 31 exf6 gxf6 32
Nd4 Nxa3 33 Bc3 Nc4  34 Nxe6 Kxe6 35 Bg4+ Kd6 36 Bf5 h6 37 Kf1 Ne3+
38 Ke2 Nxg2 39 Bc8 Kc6  40 Kf3 Nh4+ 41 Kg4 Ng6 42 Kf5 Ne5 43 Ke6
Bd8 44 Bxa6 Kb6 45 Bc8 Kc7  46 Bxe5+ fxe5 47 Bd7 Bg5 48 Bxb5 Bd2 49
Kxe5 Bxb4 50 Kf6 Kd8 51 e5 Be7+  52 Kf7 h5 53 Be2 h4 54 Bc4 1/2


Zarkov-X - Boris Gulko (2620) [B74]
1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 d6 6 Be2 g6 7 0-0 Bg7 8 Be3
0-0 9 Nb3 Bd7 10 a4 Nb4 11 Qd2 Bc6 12 Nb5 a5 13 f3 Nd7 14 c3 Na6 15
Bd4   Nac5 16 Nxc5 Nxc5 17 Bc4 Bxb5 18 axb5 Qc7 19 Bxg7 Kxg7 20 Rfe1
Nd7   21 Qd4+ e5 22 Qd3 Nb6 23 Bb3 a4 24 Bd5 Qc5+ 25 Kh1 Nxd5 26
exd5 Rfc8  27 Re3 f5 28 g3 h5 29 h3 a3 30 Rxa3 Rxa3 31 bxa3 Qxa3 32 Qd2
Qb3 33 f4 e4  34 Qd4+ Kf7 35 Kg1 Qxb5 36 Qd2 Ra8 37 Re1 Qc5+ 38 Kh2
Qc4 39 Rb1 b5  40 Rb2 Ra3 41 Rc2 Qd3 42 Qxd3 exd3 43 Rd2 Rxc3 44 Kg1
Rc1+ 45 Kf2 Rc2  46 Ke3 Rxd2 47 Kxd2 Ke7 48 Kxd3 Kd7 49 Kc3 Kc7 50
Kb3 Kb7 51 Kc3 Ka6  52 Kb4 Kb6 53 h4 Ka6 54 Kc3 Ka5 55 Kb3 b4 56
Kc2 Ka4 0-1


NOW - Michael Rohde (2589) [B27]
1 e4 c5 2 c3 g6 3 Nf3 Bg7 4 d4 cxd4 5 cxd4 d5 6 exd5 Nf6 7 Bb5+ Nbd7  8
Nc3 0-0 9 Bg5 Nb6 10 0-0 Nfxd5 11 Nxd5 Nxd5 12 Re1 Be6 13 Bc4 Re8  14
Rc1 Nc7 15 Qb3 Bxc4 16 Rxc4 b6 17 Ne5 Nd5 18 Rcc1 h6 19 Bd2 e6 20
Qf3   Qe7 21 Qh3 h5 22 Nc6 Qd6 23 Qh4 Rec8 24 Bb4 Qd7 25 Ne5 Qa4 26
Be7 Qxa2  27 Ba3 Qb3 28 Qe4 Rxc1 29 Rxc1 Re8 30 Qc2 Qxc2 31 Rxc2 a5
32 Rc6 Rd8  33 Kf1 Nf4 34 Bd6 Nd5 35 Nf3 Bf8 36 Be5 Be7 37 h3 Kf8 38
Ke2 Ke8 39 Bg3  Bf6 40 Rc1 Kd7 41 Ne5+ Bxe5 42 dxe5 Rc8 43 Rxc8 Kxc8
44 Kf3 Kd7 45 Bh4 b5  46 Bg5 a4 47 Bc1 Kc6 48 Ke4 Kc5 49 g3 Kc4 50 g4
hxg4 51 hxg4 Nb4 52 Be3  Nd3 53 Bd4 g5 54 f3 b4 55 Ke3 b3 56 Ke4 a3 57
bxa3 b2 58 Bxb2 Nxb2 59 Ke3  Nd3 60 Ke4 Nc5+ 61 Ke3 Kd5 0-1


REBEL 6.0 - Alex Yermolinsky (2570) [E11]
1 d4 Nf6 2 Nf3 e6 3 c4 Bb4+ 4 Bd2 Qe7 5 g3 Nc6 6 Bg2 Bxd2+ 7 Nbxd2 d6
8 0-0 a5 9 e4 e5 10 d5 Nb8 11 c5 0-0 12 cxd6 cxd6 13 Rc1 Na6 14 Nc4 Qd8
15 Qe2 b5 16 Na3 b4 17 Nb5 Nc5 18 Nxe5 Ba6 19 Rxc5 dxc5 20 Rc1 Qb8
21 f4  Bxb5 22 Qf2 c4 23 Nxc4 Bxc4 24 Rxc4 Rc8 25 Qd4 Rxc4 26 Qxc4
Qb6+ 27 Kh1  Ng4 28 Bf3 Ne3 29 Qc1 Rd8 30 g4 h6 31 h3 f6 32 b3 g5 33 f5
Kf7 34 Be2 Ke7  35 Bf3 Kd7 36 Qa1 Rc8 37 Qe1 Rc2 38 e5 fxe5 39 Be2 Qc5
40 Kh2 Qb5 0-1


Round 9: Sunday, 2 October 1994, 12:35 PM
Shabalov          0-1   WChess
Wolff     1-0   Zarkov
Benjamin          1-0   NOW
Gulko     1-0   REBEL
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Alex Shabalov (2573) - WChess [C22]
1 e4 e5 2 d4 exd4 3 Qxd4 Nc6 4 Qe3 Nf6 5 Nc3 Be7 6 Bc4 0-0 7 Bd2 d6  8
0-0-0 Ne5 9 Bb3 Be6 10 f4 Nc4 11 Bxc4 Bxc4 12 Nf3 Re8 13 h3 b5 14 b3 b4
15 bxc4 bxc3 16 Bxc3 Bf8 17 e5 Rb8 18 c5 Qc8 19 Qd3 dxe5 20 fxe5 Nh5  21
Ng5 g6 22 Qf3 Re7 23 g4 Ng7 24 Rhf1 Qa6 25 Nxf7 Ne6 26 Qf6 Qa3+ 27
Kd2  Rd7+ 28 Nd6 Nxc5 29 Qf3 Qxa2 30 Ke1 cxd6 31 Rf2 dxe5 32 Rxd7
Nxd7 33 Qc6  Nc5 34 Bxe5 Rb1+ 35 Kd2 Bh6+ 36 Ke2 Qxc2+ 37 Kf3 Qd1+
38 Kg3 Qg1+ 39 Rg2  Rb3+ 40 Kh4 g5+ 0-1


Patrick Wolff (2598) - Zarkov-X [C77]
1 e4 e5 2 Nf3 Nc6 3 Bb5 a6 4 Ba4 Nf6 5 Bxc6 dxc6 6 Nc3 Bg4 7 h3 Bxf3  8
Qxf3 Bc5 9 d3 0-0 10 Bg5 h6 11 Bxf6 Qxf6 12 Qxf6 gxf6 13 Ne2 Kh7 14 Ng3
Rg8 15 Rh2 Rg6 16 Nf5 Rd8 17 Ke2 Bd4 18 Rb1 a5 19 h4 h5 20 a4 Bc5 21
Ra1  Bd4 22 Ra2 Rg4 23 g3 Rgg8 24 Rh1 Rd7 25 Rb1 Rgd8 26 Ra3 Bc5 27
Rb3 Bb4  28 Rd1 c5 29 Ne3 b5 30 axb5 a4 31 Rxb4 cxb4 32 Nd5 Rxd5 33
exd5 Rxd5  34 Ra1 Rxb5 35 Rxa4 Kg6 36 Ra6 b3 37 c4 Rb7 38 Kd2 Kf5 39
Kc3 Kg6 40 c5  Rb5 41 Kc4 Rb7 42 Ra3 Kf5 43 Rxb3 Rxb3 44 Kxb3 Ke6 45
Kc4 f5 46 b4 f4  47 gxf4 exf4 48 b5 f3 49 d4 Ke7 50 d5 Kd7 51 Kd4 f6 52 Ke4
Kd8 1-0


Joel Benjamin (2586) - NOW [E11]
1 d4 e6 2 c4 Nf6 3 Nf3 Bb4+ 4 Bd2 Qe7 5 g3 Nc6 6 Nc3 d5 7 cxd5 exd5 8
Bg2  0-0 9 0-0 Re8 10 e3 Bg4 11 Qb3 Qf8 12 a3 Bxc3 13 Bxc3 Qd6 14 Ne5
Be2  15 Rfc1 b6 16 Qa4 b5 17 Qc2 Bg4 18 Nxc6 Qxc6 19 Ba5 Qxc2 20 Rxc2
c6  21 Rxc6 Rac8 22 Rac1 Rxc6 23 Rxc6 Rc8 24 Rxc8+ Bxc8 25 Bb4 Be6 26
Kf1 Ne4  27 f3 Nf6 28 Ke2 g6 29 Kd2 a6 30 Kc3 Kg7 31 Be7 h5 32 Bxf6+
Kxf6 33 Kb4  Bf5 34 Kc5 Ke6 35 f4 Be4 36 Bxe4 dxe4 37 Kc6 Ke7 38 Kb6
Kd6 39 Kxa6 1-0


Boris Gulko (2620) - REBEL 6.0 [D00]
1 d4 d5 2 Bf4 Nf6 3 e3 Bf5 4 c4 a5 5 Nc3 e6 6 Nf3 Bb4 7 a3 Bxc3+ 8 bxc3  0-
0 9 Be2 Ne4 10 Qb3 b6 11 Qb2 Re8 12 0-0 c6 13 cxd5 exd5 14 c4 dxc4  15
Bxc4 Nd7 16 Rac1 Be6 17 Rfd1 Bxc4 18 Rxc4 g5 19 Bg3 g4 20 Nd2 Nxg3  21
hxg3 Qf6 22 Qc2 Rac8 23 Rc1 c5 24 dxc5 Ne5 25 Rf4 Qh6 26 Qf5 Qe6  27
Ne4 Qxf5 28 Rxf5 Re6 29 Rd1 bxc5 30 Rd5 Nc4 31 Rxc5 Rxc5 32 Nxc5 Re5
33 Rxe5 Nxe5 34 a4 Kg7 35 Kf1 f5 36 Ke2 Kf6 37 Kd2 h6 38 Kc3 h5 39 Nb3
Nc6 40 Kc4 Ne5+ 41 Kd4 Nd7 42 Kc4 Ne5+ 43 Kb5 Nd3 44 Nxa5 Nxf2 45
Nc4 Ke6  46 a5 Kd7 47 a6 Kc7 48 Nd6 Ne4 49 Nxe4 fxe4 50 Kc5 1-0


Round 10: Sunday, 2 October 1994, 1:45 PM
Yermolinsky      0-1   WChess
Zarkov           0-1   Shabalov
Gulko       1-0   NOW
REBEL       1/2   Benjamin
        Total: Humans 2.5, Computers 1.5
        Cumulative overall: Humans 27, Computers 13 (32%)
        Leaders: Benjamin, Gulko, Yermolinsky 5.5; WChess 3.5


Alex Yermolinsky (2570) - WChess [D25]
1 d4 d5 2 c4 dxc4 3 Nf3 Nf6 4 e3 Bg4 5 Bxc4 e6 6 Qb3 Bxf3 7 gxf3 Nbd7  8
Nc3 Nb6 9 Be2 Be7 10 Bd2 0-0 11 0-0-0 c5 12 dxc5 Bxc5 13 Kb1 Qc7 14
Ne4  Nxe4 15 fxe4 Rfd8 16 Bc3 Rxd1+ 17 Bxd1 Rd8 18 h4 Be7 19 h5 Nc4 20
Qc2 Bf6  21 Bxf6 gxf6 22 Ka1 Rd2 23 Qc3 Rxf2 24 Bb3 b5 25 Rg1+ Kh8 26

Qb4 Qd8  27 Qxb5 Nxb2 28 h6 Qc8 29 Kb1 a6 30 Qb6 Nd3 31 Qd4 Ne5
32 Rd1 Rg2 33 Qb6  Rg8 34 Qd6 Qa8 35 Qd4 Qf8 36 Rh1 Rg6 37 Qb6 Nf3
38 Qxa6 Nd2+ 39 Ka1 Qc5  40 Qd3 Nxb3+ 41 axb3 Qa5+ 42 Kb1 Rg2 0-1


Zarkov-X - Alex Shabalov (2573) [D44]
1 d4 d5 2 c4 c6 3 Nf3 Nf6 4 Nc3 e6 5 Bg5 dxc4 6 e4 b5 7 e5 h6 8 Bh4 g5  9
Nxg5 hxg5 10 Bxg5 Nbd7 11 g3 Qb6 12 exf6 c5 13 d5 Bb7 14 Bg2 0-0-0  15 0-
0 b4 16 Na4 Qa6 17 dxe6 Bxg2 18 e7 Bxf1 19 Nxc5 Qc6 20 exd8Q+ Kxd8  21
Qxd7+ Qxd7 22 Nxd7 Kxd7 23 Rxf1 Kc6 24 Rc1 Kb5 25 h4 a5 26 Kg2 a4  27
Kf3 Bc5 28 Re1 Bd4 29 Re2 b3 30 axb3 cxb3 31 g4 Kc4 32 Re4 a3 33 bxa3  b2
34 Re1 Ra8 35 Be3 Rxa3 36 Rb1 Bxf6 37 h5 Ra1 38 Rxb2 Bxb2 39 Ke4 Ra5
40 Bf4 f5+ 41 gxf5 Bf6 42 h6 Ra1 43 Be3 Rh1 44 Bf4 Rh4 45 Ke3 Kd5 46 Kf3
Kd4 47 Kg3 Ke4 48 Be3 Kxf5 49 Bd2 Bg5 50 Bxg5 Kxg5 51 h7 Rxh7 0-1


Boris Gulko (2620) - NOW [B06]
1 d4 g6 2 e4 c6 3 c4 d5 4 exd5 cxd5 5 Nc3 dxc4 6 Bxc4 Nc6 7 Nf3 Bg7 8 d5
Ne5 9 Nxe5 Bxe5 10 Qe2 Qd6 11 Nb5 Qb4+ 12 Bd2 Qxb2 13 0-0 Bf5 14
Rfe1 a6  15 Qxe5 Qxe5 16 Rxe5 axb5 17 Bxb5+ Bd7 18 Bc4 h5 19 Rae1 b5 20
Bb3 f6  21 R5e2 Bg4 22 f3 Bf5 23 Bb4 Ra7 24 d6 e5 25 f4 e4 26 Rc2 Kd8 27
Rec1 Nh6  28 Rc7 Rh7 29 Re7 Rhxe7 30 dxe7+ Rxe7 31 Bxe7+ Kxe7 32 Rc6
e3 33 Rc3 Ng4  34 Bd1 b4 35 Rb3 Be6 36 Rxb4 Nf2 37 Bb3 Bf5 38 Rd4 h4
39 h3 Bb1 40 Kf1  Bd3+ 41 Ke1 Be4 42 Rxe4+ Nxe4 43 Ke2 Kd6 44 Kxe3
Nc5 45 Kf3 Nd3 46 Bc4  Nb2 47 Be2 Kd5 48 Bb5 Nd1 49 a4 Kc5 50 Bd3 g5
51 fxg5 fxg5 52 a5 Nb2  53 Be2 Na4 54 Kg4 Nc3 55 Bd3 Kd4 56 a6 Nd5 57 a7
Nc7 58 Be2 Kc5 59 Bf3 1-0


REBEL 6.0 - Joel Benjamin (2586) [B44]
1 e4 c5 2 Nf3 e6 3 d4 cxd4 4 Nxd4 Nc6 5 Nb5 d6 6 c4 Nf6 7 N1c3 a6 8 Na3
Be7 9 Be2 b6 10 0-0 Bb7 11 Be3 Nb8 12 f3 Nbd7 13 Qd2 0-0 14 Rfd1 Qc7
15 Rac1 Rac8 16 b4 Qb8 17 Na4 Ba8 18 Bf4 Ne5 19 Qe3 Nfd7 20 Bxe5
Nxe5  21 Qxb6 Bc6 22 Qxb8 Rxb8 23 b5 Bd7 24 Rc3 Rfc8 25 f4 Ng6 26 g3
d5 27 exd5  exd5 28 Rxd5 Be6 29 Rh5 axb5 30 Nxb5 Bf6 31 f5 Bxc3 32 Naxc3
Bxc4 33 Bxc4  Rxc4 34 fxg6 hxg6 35 Rd5 Rbc8 36 Rd3 f6 37 h4 Kh7 38 Kf2
Kh6 39 Ke3 Kh5  40 Kd2 Ra8 41 a4 g5 42 Rd5 Rg4 43 hxg5 Rxg5 44 Rxg5+
Kxg5 45 Ke3 Kg4  46 Kf2 f5 47 Nc7 Ra5 48 N7d5 Rc5 49 Kg2 Ra5 50 Ne3+
Kg5 51 Kf3 g6 52 Ned5  Rc5 53 Ke3 Kg4 54 Kf2 Kg5 55 Kf3 Ra5 56 Nb6
Rc5 57 Nd1 Rc1 58 Ne3 Ra1  59 Nec4 Ra2 60 a5 Ra1 61 Nd5 Ra4 62 Ne5
Kh6 63 Nc6 g5 64 Ndb4 Ra3+ 65 Kf2  Kh5 66 a6 f4 67 gxf4 gxf4 68 Ne5 Ra4
69 Ned3 f3 70 Nf4+ Kg4 71 Nfd5 Kg5  72 Nc3 Ra5 73 Nca2 Kf5 74 Nc1
Ke6 75 Nb3 Ra3 76 Nd4+ Kd7 77 Nb5 Ra5  78 Nc3 Kc8 79 Ncd5 Ra1 80
Ne3 Kb8 81 Nec2 Ra4 82 Nd4 Ka8 83 Ndc6 Ra1  84 Ne7 Ka7 85 Nc8+
Kb8 86 Nb6 1/2


Round 11: Sunday, 2 October 1994, 2:55 PM
WChess          1/2   Gulko
Benjamin        1-0   Zarkov
NOW       1-0   Wolff
REBEL     1-0   Rohde
      Total: Humans 1.5, Computers 2.5
      Cumulative overall: Humans 28.5, Computers 15.5 (35%)
      Leaders: Benjamin 6.5; WChess 4


WChess - Boris Gulko (2620) [B33]
1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 d6 6 Bg5 Qb6 7 Nb3 e6 8
Bf4  Ne5 9 Be3 Qc7 10 f4 Nc6 11 Be2 Be7 12 Qd2 a6 13 Bf3 b5 14 0-0 Bb7
15 Rad1  0-0 16 Qf2 Rac8 17 Bb6 Qb8 18 Kh1 Rfe8 19 a4 b4 20 Ne2 e5 21
f5 Qa8  22 Ng3 Nb8 23 Qe2 Bc6 24 Ra1 d5 25 exd5 Bxd5 26 Bxd5 Qxd5 27

Bg1 Nbd7  28 Rfd1 Qc4 29 Qxc4 Rxc4 30 Rd2 h5 31 Rad1 h4 32 Nf1 Rc7 33
h3 Rec8   34 Ne3 Nb6 35 Bh2 Nc4 36 Nxc4 Rxc4 37 Bxe5 Rxc2 38 Rxc2
Rxc2 39 Nd4 Rc5  40 Nf3 Kf8 41 b3 Ne4 42 Rd4 Ng3+ 43 Kh2 Nxf5 44
Rxb4 f6 45 Bb8 g5 46 Rb6  Rc2 47 Rxa6 Ne3 48 Kh1 Nxg2 49 Nd4 Rb2 50 a5
Ne3 51 Re6 Rb1+ 52 Kh2 Rb2+  53 Kg1 Bc5 54 Bd6+ Bxd6 55 Rxf6+ Ke7 56
Re6+ Kd7 57 Rxe3 Bc5 58 Rd3 Kc7  59 Kf1 Bxd4 60 Rxd4 Rxb3 61 Rc4+
Kb7 62 Rc5 Rg3 63 Kf2 Ka6 64 Rd5 Rxh3  65 Rxg5 Ra3 66 Kg2 1/2


Joel Benjamin (2586) - Zarkov-X [D36]
1 d4 Nf6 2 c4 e6 3 Nf3 d5 4 Nc3 Be7 5 cxd5 exd5 6 Bg5 c6 7 Qc2 g6 8 e3
Bf5 9 Bd3 Bxd3 10 Qxd3 Nbd7 11 0-0 0-0 12 Rab1 Rc8 13 b4 Ne4 14 Bh6
Nxc3  15 Bxf8 Nxb1 16 Bxe7 Qxe7 17 Rxb1 Qe4 18 Qxe4 dxe4 19 Nd2 f5 20
Rc1 Kf7   21 Kf1 Ke6 22 Ke2 Kd5 23 Nb1 Rf8 24 Nc3+ Ke6 25 Na4 g5 26
Nc5+ Nxc5  27 Rxc5 h5 28 Ra5 a6 29 Re5+ Kd6 30 Kd2 h4 31 a4 g4 32 g3 h3
33 a5 Rf7   34 Kc3 Rf6 35 Kc4 Rf8 36 Rc5 Ke6 37 Re5+ Kf6 38 Kc5 Rd8 39
Kb6 Rd7 40 Ka7  Rh7 41 Re8 Rd7 42 Rb8 Ke6 43 Rxb7 Rd6 44 Rb6 Kd5 45
Kxa6 Rd8 46 Kb7 Rd7+  47 Kc8 Rf7 48 a6 Rf8+ 49 Kb7 Rf7+ 50 Kb8 Rf8+
51 Ka7 Rf6 52 b5 Rf7+  53 Rb7 Rf8 54 Rd7+ Ke6 55 bxc6 f4 56 exf4 1-0


NOW - Patrick Wolff (2598) [B22]
1 e4 c5 2 c3 Nf6 3 e5 Nd5 4 Nf3 Nc6 5 Bc4 Nb6 6 Be2 d6 7 exd6 Qxd6 8 d4
cxd4 9 cxd4 e6 10 Nc3 Be7 11 0-0 0-0 12 Nb5 Qd8 13 Ne5 Bd7 14 Bf4 Nd5
15 Bg3 Nxe5 16 dxe5 Qb6 17 a4 a6 18 a5 Qd8 19 Nd6 Bxd6 20 exd6 Bb5  21 Bxb5 axb5
22 Qg4 Qd7 23 Rfd1 Nf6 24 Qf3 Rfc8 25 Be5 Ne8 26 Qa3 Rc6
27 Qd3 f6 28 Bg3 Rc5 29 Qb3 Rc4 30 Qe3 Ra6 31 b3 Rcc6 32 Qd3 Rc5 33
Qe3  Rc8 34 Qe2 Rc3 35 Qb2 Rac6 36 Qa3 e5 37 f4 e4 38 Rd4 Rxd6 39
Rxe4 Rd1+  40 Rxd1 Qxd1+ 41 Re1 Qd7 42 Qb4 Rd3 43 Re7 Qc6 44 f5 h6
45 Kf1 Rd5 46 Qe4  Nd6 47 Qe6+ Kh7 48 Rc7 Rd1+ 49 Ke2 Qe4+ 50 Qxe4
1-0


REBEL 6.0 - Michael Rohde (2589) [B33]
1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Qb6 5 Nb3 Nf6 6 Nc3 e6 7 a3 Be7 8
Bf4  0-0 9 e5 Ne8 10 Bd3 f6 11 Be3 Qc7 12 exf6 Nxf6 13 0-0 d5 14 Nb5 Qd8 15 f4
e5 16 fxe5 Nxe5 17 Nxa7 Bg4 18 Qd2 Nc4 19 Bxc4 dxc4 20 Qxd8
Rfxd8 21 Nc1  Nd5 22 Bf2 Bg5 23 Re1 Re8 24 Rxe8+ Rxe8 25 Nb5 Ne3 26
c3 Nd1 27 h3 Bh5  28 g4 Bg6 29 Nd6 Rf8 30 Bd4 Nxb2 31 Nxb7 Rf3 32 Kg2
Be4 33 Nc5 Bd5 34 Ne2  Rxc3+ 35 Kf1 Rf3+ 36 Ke1 Nd3+ 37 Nxd3 cxd3 38
Nc3 Rxh3 39 Nxd5 Rh2 40 Kf1  Rc2 41 Rd1 1-0


Round 12: Sunday, 2 October 1994, 4:05 PM
Rohde        0-1   WChess
Zarkov        1-0   Yermolinsky
NOW          1-0   Shabalov
Wolff        1-0   REBEL
     Total: Humans 1, Computers 3
     Final overall: Humans 29.5, Computers 18.5 (39%)
     Winners: Benjamin 6.5/8 (81%); WChess 5/6 (83%)


Michael Rohde (2589) - WChess [A34]
1 Nf3 Nf6 2 c4 c5 3 Nc3 d5 4 cxd5 Nxd5 5 e4 Nb4 6 Bb5+ N8c6 7 d4 cxd4
8 a3 dxc3 9 Qxd8+ Kxd8 10 axb4 cxb2 11 Bxb2 Bd7 12 0-0 Ke8 13 Rfd1 f6
14 Ba4 e5 15 b5 Nd8 16 Rac1 Ne6 17 Rd5 Nf4 18 Rxd7 Kxd7 19 b6+ Ke6
20 Bb3+ Ke7 21 Rc7+ Kd8 22 Rxb7 axb6 23 Bc4 Ra4 24 Nd2 Kc8 25 Rf7
Bc5  26 g3 Rd8 27 Bc3 Rxc4 0-1


Zarkov-X - Alex Yermolinsky (2570) [B57]
1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 Nc6 6 Bc4 Qb6 7 Nb3 e6 8 0-

0  Be7 9 Be3 Qc7 10 Nd4 0-0 11 Ndb5 Qb8 12 Qd2 a6 13 Nd4 Qc7 14 Nf3
b5  15 Bd3 Bb7 16 a4 b4 17 Ne2 a5 18 c4 Ne5 19 Nxe5 dxe5 20 f3 Rfd8 21
Rad1  Nd7 22 b3 Nc5 23 Nc1 f5 24 exf5 exf5 25 Qc2 g6 26 Rfe1 Rd7 27 Rd2 Rad8  28
Red1 Ne6 29 Qb2 Bc5 30 Bxc5 Qxc5+ 31 Kh1 Nf4 32 Bf1 Rxd2 33 Rxd2 Rxd2  34 Qxd2
Qd4 35 Qxd4 exd4 36 Kg1 Kf7 37 Kf2 Ke7 38 Ke1
Kd6 39 Kd2 g5 40 g3  Ne6 41 Bd3 Ke5 42 Be2 f4 43 Nd3+ Kd6 44 gxf4 gxf4
45 Kc2 Bc6 46 h4 Be8  47 Bd1 Bg6 48 Kd2 Bxd3 49 Kxd3 Ke5 50 Be2 Nc5+
51 Kc2 Kf6 52 Bf1 Kg6  53 Bd3+ Kh5 54 Bxh7 Kxh4 55 Bg8 Kg3 56 Bd5 Kf2
57 Kd2 Nxb3+ 58 Kd3 Ke1  59 Bc6 Kd1 60 c5 Nxc5+ 61 Kxd4 Ne6+ 62
Ke5 Ng5 63 Kxf4 Nf7 64 Bd5 Nd8  65 Ke5 Kc2 66 Kd6 Kc3 67 Ke7 b3 68
Kxd8 b2 69 Ba2 1-0

NOW - Alex Shabalov (2573) [B50]
1 e4 c5 2 c3 d6 3 Nf3 Nf6 4 d3 Nc6 5 Be2 g6 6 0-0 Bg7 7 d4 0-0 8 d5 Nb8  9 Nbd2
e6 10 Re1 exd5 11 exd5 Nxd5 12 Ne4 Be6 13 c4 Nb4 14 a3 N4c6  15 Nxd6 Nd4 16 Nxd4
cxd4 17 Nxb7 Qb6 18 Bf3 Nc6 19 Nd6 Rad8 20 c5
Qxc5  21 Nb7 Qb6 22 Nxd8 Rxd8 23 Bg5 Rf8 24 Be4 Ne5 25 Be7 Re8 26
Bb4 a5 27 Qa4  Qb8 28 Bxa5 Re7 29 Bb4 Ra7 30 Bd6 Qxd6 31 Qxa7 h5 32
Rac1 Kh7 33 b4 d3  34 Qc5 Qd8 35 Rb1 d2 36 Rf1 Qh4 37 f4 Ng4 38 h3
Nf6 39 Bc6 Bf5 40 Rbd1  Bd3 41 Qf2 1-0

Patrick Wolff (2598) - REBEL 6.0 [B30]
1 e4 c5 2 Nf3 Nc6 3 Bb5 e6 4 0-0 Nge7 5 c3 a6 6 Ba4 b5 7 Bc2 Bb7 8 d4
cxd4 9 Nxd4 Ng6 10 Be3 Nxd4 11 cxd4 Rc8 12 Nd2 d5 13 e5 Be7 14 Bd3 0-0
15 f4 f5 16 exf6 Rxf6 17 g3 Qe8 18 Nf3 Bd6 19 Ne5 Ne7 20 g4 Rf8 21 Qe2
Nc6 22 Rad1 Nb4 23 Bb1 g6 24 Rf2 Nc6 25 h4 Be7 26 Rh2 Nxe5 27 fxe5
Qd7  28 g5 Qd8 29 Qg4 Rc6 30 h5 Rf5 31 Bxf5 gxf5 32 Qf3 Kh8 33 Rg2 Qa5
34 g6  Qxa2 35 gxh7 Qb3 36 Re1 Bg5 37 Rxg5 Qb4 38 Qg3 1-0


FINAL RESULTS


|            | Intel Rating | W | S | C | H | M | N | R | Z | Total | TPR* |
|------------|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| Benjamin | 2586 | b/= | b/1 | w/= | b/1 | w/1 | w/1 | b/= | w/1 | 6.5 | 2822 |
| Gulko | 2620 | b/= | b/0 | b/1 | w/= | w/1 | w/1 | w/1 | b/1 | 6.0 | 2724 |
| Yermolinsky | 2570 | w/0 | b/1 | w/= | w/1 | b/1 | w/1 | b/1 | b/0 | 5.5 | 2630 |
| Wolff | 2598 | b/0 | w/1 | b/= | b/= | w/1 | b/0 | w/1 | w/1 | 5.0 | 2580 |
| Rohde | 2589 | w/0 | w/= | w/1 | b/= | b/0 | b/1 | b/0 | w/1 | 4.0 | 2476 |
| Shabalov | 2573 | w/0 | w/0 | b/0 | w/= | b/0 | b/0 | w/1 | b/1 | 2.5 | 2304 |
| Total |  | 5.0 | 2.5 | 2.5 | 2.0 | 2.0 | 2.0 | 1.5 | 1.0 |  |  |
| Percentage |  | 83% | 42% | 42% | 33% | 33% | 33% | 25% | 17% |  |  |
| TPR* |  | 2895 | 2527 | 2516 | 2436 | 2410 | 2403 | 2357 | 2224 |  |  |

Overall Score: Humans 29.5, Computers 18.5 (39%)

Computers:

```
  W: WChess (David Kittinger--Mobile, AL)
  S: Socrates 4.0 (Heuristic Software--El Cerrito, CA)
  C: Chessmaster 4000 Turbo (The Software Toolworks--Novato, CA)
  H: HIARCS Master 3.0 (BOOKUP--Columbus, OH)
  M: M-Chess Professional 3.85X (Marty Hirsch--San Rafael, CA)
  N: NOW (Mark Lefler--Bryans Road, MD)
  R: REBEL 6.0 (Ed Schroeder--Deventer, The Netherlands)
  Z: Zarkov-X (John Stanback--Fort Collins, CO)
```

Game results and colors (b/w) are shown relative to the human player; thus, the notation "w/0" in the lower-left corner of the table indicates that Shabalov played white against WChess and lost.

* Tournament performance ratings were calculated by Mark Glickman, Ph.D., USCF Ratings Committee Chairman. The calculations account for color advantage, which for this event was estimated to be 120 points for white.

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