

THE SIXTH WORLD COMPUTER-CHESS CHAMPIONSHIP

Report on the Tournament

Edmonton, Alberta, Canada,
May 28-31, 1989

As reported by Garth E. Courtois, Jr.

The Sixth World Computer-Chess Championship was held in conjunction with "Congress '89", the annual conference of the Canadian Information Processing Society (CIPS). It was sponsored by AGT (Alberta Government Telephones). Downtown Edmonton is exceptionally clean and the buildings are new. The Edmonton Convention Centre, where the tournament was held, is an attractive and spacious site within easy walking distance of the Chateau Lacombe, the hotel where most competitors stayed during the event. A special bonus at this site was that something was missing. In past years we have been plagued with pillars in the middle of the room and they would obstruct the view of the demonstration boards. Not so in Edmonton, and this was only one way in which the accommodations there were superior.

The full line-up of 24 chess programs consisted of twelve each from both the eastern and western hemispheres. They included all programs from the previous World Championship's four-way first-place tie. (At the Cologne, 1986 tournament, Cray Blitz became world computer chess champion on a tiebreak against Hitech, Bebe, and Sun Phoenix.) Two especially strong performers, not yet in Cologne, Fidelity Challenger and Deep Thought, also competed.

The Tournament booklet provides a compact summary about each chess program and it shows that the philosophical and hardware approaches to the game continue to diversify into the fields of multiprocessing, selective searches, various degrees of evaluator knowledge, and transposition tables. The number of processors has increased on many machines. Cray Blitz now uses 8 general-purpose processors in parallel. Deep Thought uses two custom processors (the six-processor version was not ready in time for the event), Waycool can have up to 512. Moby, a descendant of Cyrus 68K, may have 200 to 400. It is also notable that many programs stress the selective search. Many of the microprocessor-based programs, notably A.I. Chess, Centaur, BP, Mephisto, Novag, and Pandix, emphasize selectivity. Other emphasized activities include Hitech's pattern recognition, Merlin's substitution of knowledge for search, MUCH's bonus points for plan-ideal play, and Quest's classical approach. This diversity sharply contrasts with the old days when almost all programs used similar tree analyses, with differences found in the quiescence search and evaluators.

Memory of the Cologne four-way tie for first place influenced the pre-tournament meeting. We spent most of that time considering tiebreaks and how to decide the Championship in the event of a tie. The decision: to do the utmost to resolve the championship overnight (immediately after round 5) with sudden-death play. The basis of tiebreak was to be the sum of the opponent's scores played in rounds 2 to 5, and the tournament crosstable reflects this method (this issue, p. 85).

Tony Marsland's hard work in obtaining funds and recruiting attendees was apparent in the impressive chess expertise available to comment on the event. In addition to Tournament Director Mike Valvo (FIDE 2390), others who gave chess commentary on the games were Danny Kopec (FIDE 2420), Julio Kaplan (FIDE 2485) and Canada Chess Champion Kevin Spraggett (FIDE 2575). David Slate, of Chess 4.X fame, frequently stepped in and commented on the similarity of the chess positions now and those of tournaments past. He also conducted inter-

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views of the various teams. Notable guests in the audience included David Levy, John McCarthy, Donald Michie, Claude Shannon, Monty Newborn, and Ken Thompson.

Some teams hazarded pre-tournament statements. Thus, Cray Blitz expected to beat Hitech and then draw with Deep Thought. Deep Thought felt they had a 30% chance to win. All teams were ranked and Deep Thought, Hitech, Cray Blitz, Fidelity, Mephisto, and Sun Phoenix were the top six in the order named.

It was announced that a new award, the Shannon Perpetual Trophy, would be awarded to the Champion. Claude Shannon, the original pioneer of computer chess, was on hand to present it.

The competition started smoothly. Surprises were rare in the first three rounds, although there were some unexpected draws. Most notable was the Cray Blitz-Hitech draw in round three, after which Deep Thought (3 points so far) led those two programs by a half-point. Bebe, Fidelity, Mephisto, Merlin, Novag, Rebel, Sun Phoenix, and Zarkov each had two points.

Round four gave Deep Thought a win over Cray Blitz, saw Hitech vanquish Fidelity, and recorded wins for Bebe and Merlin. For round five, Deep Thought needed only to draw Hitech to win the Championship. Bebe played Merlin and the winner would place in the top three, and Cray Blitz played MUCH (Maastricht University Chess-program). Even with strong players commenting on the top board, it was unclear who was ahead. The black and white pieces were heavily intertwined, with weaknesses for both sides. Meanwhile, Cray Blitz and MUCH were also in a position so complex that both machines were looking two ply shallower than normal. The first of the critical games to break was the top board game. Hitech by this time had two Knights infiltrated deeply the 5th and 7th ranks; Deep Thought had pieces aimed toward the enemy King and had opened the rook file near that King. Deep Thought won a Pawn, and then retreated briefly only to announce mate in eight. The audience watched in puzzlement as the moves came from both machines so fast that the demonstration board operator could not keep up! Later, it was revealed that Hitech was also blitzing out its replies because it, too, saw that mate was inevitable! Peter Jansen of the winning team later replayed the frenzied final moves on the overhead projector for the large audience. Deep Thought was the undefeated champion of the Sixth World Championship! Bebe defeated Merlin to take a clear second with four out of five. Cray Blitz defeated MUCH and placed third on tiebreak against fourth-place Hitech and fifth-place Mephisto.

The Shannon Perpetual Trophy goes to Deep Thought for the next three years to come. Its performance is more than 200 rating points above the best of the rest! The other programs tended to be lost in the shadow of Deep Thought, and we may not fully realize how much amazing growth had occurred throughout the ranks in the past three years.

More important than the trophy or rating points, however, is how the chess machines affect people. The guest commentators had respect for the complex games these machines played. There was much more anticipation of what the machines might do, and less "the game should proceed along these lines...". The recognition extends to most if not all machines, and their potential to be formidable opponents. There were over 150 spectators during the last round but one, and even more on the final night; this points up the strong interest the public will generate for these contests.

The programmers now have another three years to prepare for the next world championship. The fast machines and special hardware clearly won this contest. The programs which primarily emphasize selective search really have their work cut out for them! The possibilities are untold, with many of them unpredictable: just consider that three years ago no one had heard of Deep Thought as a chess machine. This reviewer feels sure that the 7th World Computer-Chess Championship, assumed to be in Spain, will contain surprises. The one certainty is that we will see them only in one direction: stronger, faster and higher.

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2. THE COMPETITORS OF THE 6th WCCC

Program	Language	Code+Data K bytes	Book x1000	Computer	Nodes/sec x1000
DEEP THOUGHT	C, Assembler	n/a	n/a	VLSI-Sys	1000
BEBE	Assembler	16+40	4	Sys-10	45
CRAY BLITZ	Fortran, CAL	500+1M	5	Cray YMP/8	100
HITECH	C	700+24M	5.8	VLSI-Sys	100
MEPHISTO X	Assembler	128	60	MC 68020	2
F/M CHALLENGER X	Assembler	32+16	32-64	MC 68030	10
MERLIN	Pascal	n/a	n/a	IBM 3090	n/a
A.I. CHESS	C, Assembler	200+64	10	Dyna 8086	2.5
NOVAG X	Assembler	96+8	36	INTEL 6502	2.8
SUN PHOENIX	C	200+2M	20	20xSUN 4	10
MUCH	C	170+2.5M	4.5	Sun4	3
ZARKOV	C	100+200	16	HP 9000/835	2.5
QUEST X	Assembler	32+8	8	INTEL 6502	8
Y!89	Assembler	32+128	100	INTEL 6502	5
BP	C, Assembler	325	15	Unisys PW800	0.6
REBEL X	Assembler	32+8	16	INTEL 6502	2
KALLISTO	Assembler	20+8	6	Apple II	3-6
WAYCOOL	C	n/a	n/a	Intel 512-Cube	n/a
REX	Pascal	48	n/a	Unisys PW800	n/a
PANDIX	C, Assembler	50+10	7.4	Sanyo 386	0.30
DAPPET	Turbo Pascal	500	15	Toshiba	0.2-0.8
SHESH	Fortran	60+2.5M	2	Vax 8600	0.4
MOBY	Occam	n/a	8	Meikos Transp.	0.25
CENTAUR	Pascal	120+30	16	IBM PS2/80	1

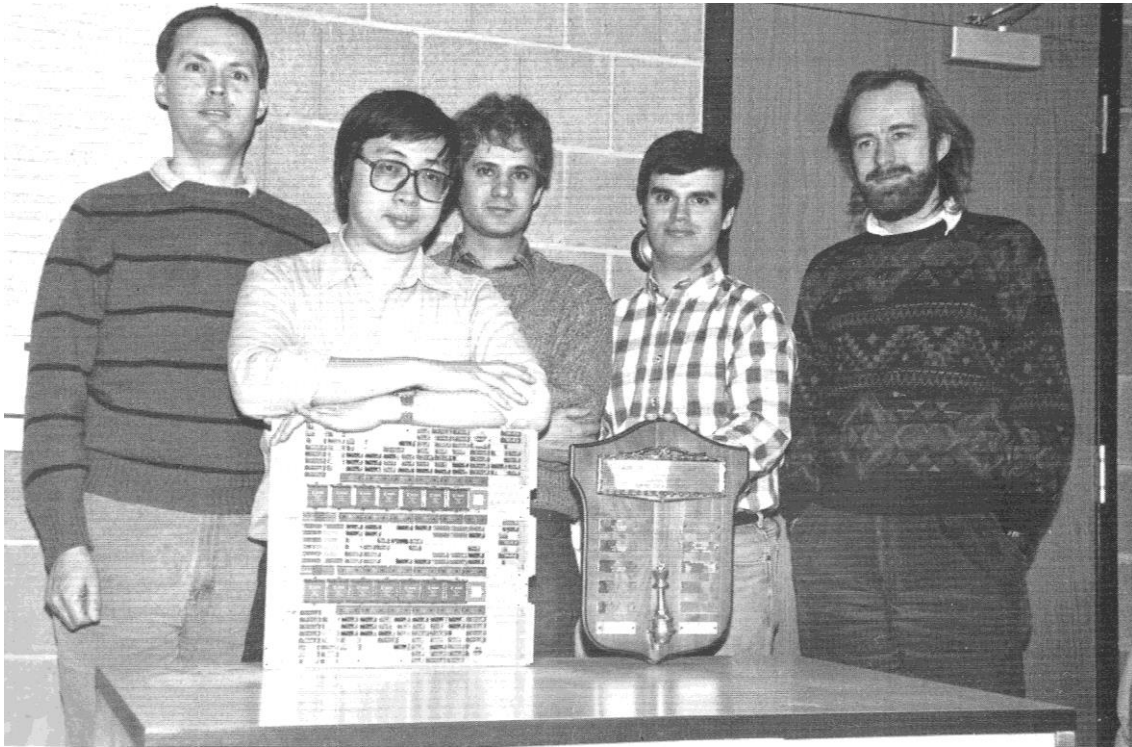


Photo by courtesy of the Deep Thought team

The Deep Thought Quints.

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f4 ♖b7 17 g5 ♘d7 18 h4 e5 19 fxe5 dxe5 20 ♘e3 a5 21 ♖f2 ♗f8 22 ♘d5 ♗ae8 23 h5 a4 24 h6 ♘d5 25 ♗d5 ♗d8 26 h×g7 ♖×g7 27 ♖f5 ♖c7 28 ♗f3 ♘d6 29 ♗h3 ♗h8 30 ♗h6 ♘e7 31 ♘f3 ♖xc2 32 ♘h5 ♖b1+ 33 ♖g2 ♖xb2+ 34 ♖f3 f6 35 gxf6+ ♘xf6 36 ♗d7+ ♗d7 37 ♖d7+ 1-0

Waycool — Mephisto X
B07/05 3. c6

1 e4 d6 2 d4 ♘f6 3 ♘c3 c6 4 ♘f3 ♘g4 5 h3 ♘h5 6 ♘d3 e6 7 ♗g1 ♘e7 8 g4 ♘g6 9 e5 dxe5 10 dxe5 ♘d5 11 ♘d5 cxd5 12 ♘e2 O-O 13 c3 ♘c6 14 ♖b3 ♘a5 15 ♖a4 ♖b6 16 ♘d4 ♘c6 17 ♘xc6 bxc6 18 b3 ♖c5 19 ♗g3 ♘c2 20 ♖d4 ♖a5 21 ♘d2 ♗ab8 22 c4 ♖b6 23 ♖xb6 axb6 24 cxd5 cxd5 25 ♗c1 ♘e4 26 ♗c7 ♘d8 27 ♗a7 ♘h4 28 ♗c3 ♗a8 29 ♗xa8 ♗xa8 30 a4 h6 31 ♘e3 ♗b8 32 ♖f1 ♘g5 33 f4 ♘d8 34 ♘b5 g5 35 ♖f2 gxf4 36 ♘xf4 ♘g5 37 ♘e3 f6 38 exf6 ♘xe3+ 39 ♖xe3 ♖f7 40 ♗c6 ♖xf6 41 ♖d4 ♘g6 42 ♘e2 ♘e8 43 ♗d6 ♘f7 44 h4 ♗b7 45 ♘a6 ♗b8 46 ♘f1 ♗b7 47 ♘g2 ♗b8 48 ♘f3 ♘g8 49 ♘h1 ♘f7 50 ♘g2 ♖e7 51 ♖e5 b5 52 a5 b4 53 a6 ♗b5 54 ♘f1 ♗a5 55 ♗b6 d4+ 56 ♗b5 ♗a1 57 ♘d3 ♘e8 58 ♗b7+ ♖f8 59 ♗xb4 ♖g7 60 ♗d4 ♗a5+ 61 ♖d6 1-0

Sun Phoenix — Zarkov
A18/05 7 d3

1 c4 ♘f6 2 ♘c3 e6 3 e4 ♘c6 4 ♘f3 d5 5 e5 ♘e4 6 cxd5 exd5 7 d3 ♘xc3 8 bxc3 ♘e7 9 ♘e2 O-O 10 O-O f6 11 d4 fxe5 12 dxe5 ♘f5 13 ♘e3 a6 14 c4 ♘e4 15 cxd5 ♘d5 16 ♖b1 ♖c8 17 ♗d1 ♘e6 18 ♖b2 ♖h8 19 ♗ac1 ♘g4 20 a3 h6 21 h3 ♘e6 22 ♘d2 ♗d8 23 ♘e4 ♗d5 24 ♘c5 ♘xc5 25 ♗xc5 ♗xc5 26 ♘xc5 ♗b8 27 ♘e3 ♘e7 28 ♘a7 ♗a8 29 ♘c5 ♘d5 30 ♘f3 c6 31 ♘d5 ♘d5 32 f4 ♖c7 33 f5 ♗e8 34 ♘d6 ♖f7 35 g4 ♖d7 36 ♖b4 ♗d8 37 ♖b6 ♖c8 38 ♖c5 ♘f3 39 ♗f1 ♘d5 40 f6 gxf6 41 ♖e3 ♖g8 42 ♗xf6 ♗d7 43 ♖xh6 1-0

Pandix — Bebe
A06/04 3. Bf5

1 ♘f3 c5 2 b3 d5 3 ♘b2 ♘f5 4 e3 e6 5 ♘b5+ ♘c6 6 ♘xc6+ bxc6 7 d4 ♘f6 8 O-O ♘d6 9 dxc5 ♘xc5 10 ♘bd2 O-O 11 h3 ♗b8 12 ♘d4 ♘d4 13 ♘d4 ♖e7 14 ♘f3 ♗b7 15 c4 dxc4 16 bxc4 ♗d8 17 ♖e2 c5 18 ♘xf6 ♖xf6 19 e4 ♗b2 20 ♖e3 ♘g6 21 ♗ae1 ♘h5 22 e5

♖f5 23 ♖a3 ♖c2 24 ♗c1 ♗xa2 25 ♖xc5 ♖d3 26 ♘h2 ♘e2 27 ♗fe1 h6 28 ♖c7 ♖d4 29 c5 a5 30 ♘f1 a4 31 ♘e3 ♖d3 32 c6 ♖d2 33 ♖b6 ♗b2 34 ♖a7 ♗c8 35 c7 ♖b4 36 ♖c5 ♖xc5 37 ♗xc5 a3 38 ♗a1 a2 39 ♖h2 ♘d3 40 ♖g3 ♖h7 41 f4 ♘e4 42 h4 ♗d2 43 h5 ♘b1 44 f5 ♗d7 45 fxe6 fxe6 46 ♗c6 ♗e7 47 ♗b6 ♗xc7 48 ♗xb1 axb1 ♖ 49 ♗b1 ♗f7 50 ♗b3 ♗c5 51 ♘g4 ♗f5 52 ♖h4 ♗c4 53 ♗b6 ♗g5 54 ♖h3 ♗xcg4 55 ♗b2 ♗g3+ 56 ♖h2 ♗e3 57 ♖g1 ♗xh5 58 ♗d2 ♗hxe5 0-1

Rebel X — Rex
D25/23 12. B:e2

1 d4 d5 2 c4 dxc4 3 ♘f3 ♘f6 4 e3 ♘g4 5 ♘xc4 e6 6 h3 ♘h5 7 O-O ♘bd7 8 ♘c3 ♘d6 9 e4 e5 10 ♘e2 O-O 11 dxe5 ♘xe5 12 ♘d4 ♘xe2 13 ♖xe2 ♘g6 14 ♘f5 ♘e5 15 ♘g5 ♖e8 16 ♘xf6 ♘xf6 17 ♘d5 ♘d8 18 ♗fd1 c6 19 ♘d6 ♖e6 20 ♘e3 ♗b8 21 ♘ef5 ♘f6 22 g3 ♗fd8 23 a4 ♗d7 24 ♘c4 ♗bd8 25 ♗d7 ♗d7 26 f4 ♘e7 27 ♖c2 ♘xf5 28 exf5 ♖e7 29 ♖f1 ♗d5 30 ♗e1 ♖d7 31 ♖e2 h6 32 ♖e8+ ♖h7 33 ♖xd7 ♗d7 34 ♘e5 ♗d2 35 ♗e2 ♗d1+ 36 ♖g2 ♖g8 37 ♖f3 c5 38 g4 ♖f8 39 ♗e4 ♗d2 40 b4 ♘e7 41 bxc5 ♘xc5 42 ♗c4 ♘d6 43 h4 ♗h2 44 h5 ♗d2 45 ♖e3 ♗d1 46 ♗d4 ♗d4 47 ♖xd4 ♖e7 48 ♖d5 ♘b4 49 g5 f6 50 g×h6 g×h6 51 ♘g4 ♘d2 52 ♘xh6 ♘xf4 53 ♘g4 ♖f7 54 h6 ♘g3 55 h7 ♖g7 56 ♘xf6 ♘h4 57 ♘d7 ♖xh7 58 f6 ♖g6 59 ♖e6 ♘e1 60 f7 ♘b4 61 f8 ♖ ♘xf8 62 ♘xf8+ ♖h6 63 ♘d7 b6 64 ♖d6 1-0

Kallisto — Novag X
C80/02 11 Nc3

1 e4 e5 2 ♘f3 ♘c6 3 ♘b5 a6 4 ♘a4 ♘f6 5 O-O ♘xe4 6 ♗e1 ♘c5 7 ♘xc6 dxc6 8 ♘xe5 ♘e7 9 d4 ♘e6 10 ♘e3 O-O 11 ♘c3 ♘f6 12 ♘e4 ♘xe5 13 dxe5 ♖d5 14 ♖xd5 cxd5 15 ♘c5 ♘xc5 16 ♘c5 ♗e8 17 f4 ♘f5 18 ♗ad1 f6 19 exf6 gxf6 20 ♗xe8+ ♗xe8 21 ♗d5 ♘e6 22 ♗d3 b6 23 ♘d4 ♖f7 24 a4 ♘f5 25 ♗c3 c5 26 ♘e3 ♘xc2 27 ♘xc5 ♘xa4 28 ♘xb6 ♗b8 29 ♘d4 ♗b4 30 ♗d3 ♗c4 31 g4 ♘d7 32 h3 f5 33 g5 ♘b5 34 ♗d2 ♖g6 35 ♖f2 h6 36 h4 h×g5 37 f×g5 f4 38 ♖f3 ♖f5 39 ♘c3 ♘c6+ 40 ♖f2 ♘b5 41 ♗d6 ♗c6 42 ♗f6+ ♗xf6 43 ♘xf6 ♘e8 ½-½

Quest X — Y!89
A09/15 4 Qa4

1 ♘f3 d5 2 c4 d4 3 g3 ♘c6 4 ♖a4 ♘d7 5

♖b5 e6 6 ♗b3 ♜b8 7 ♘g2 ♚f6 8 d3 e5 9
 O-O ♘e7 10 ♘g5 O-O 11 ♚bd2 ♚g4 12
 ♚e4 ♚a5 13 ♗c2 ♘xg5 14 ♚fxg5 ♗e7 15
 ♚f3 ♚c6 16 a3 a6 17 b4 ♜fe8 18 ♚c5 ♘c8
 19 ♜fb1 b6 20 ♗a4 b5 21 ♗c2 ♜b6 22 cxb5
 axb5 23 ♚e4 ♘f5 24 ♚fd2 ♜a8 25 ♚c5 ♗f6
 26 a4 ♘c8 27 ♚de4 ♗f5 28 a5 ♜bb8 29 h3
 ♚h6 30 ♗b3 ♚e7 31 ♚d2 c6 32 ♜e1 ♗h5
 33 ♚f3 ♘xh3 34 ♘h3 ♗xh3 35 ♚xe5 ♜e8
 36 ♚f3 ♜ad8 37 a6 ♜d5 38 a7 1-0 time

Centaur — Merlin
 C42/19 13 B:d5

1 e4 e5 2 ♚f3 ♚f6 3 ♚xe5 d6 4 ♚f3 ♚xe4 5
 d4 d5 6 ♘d3 ♘e7 7 O-O ♚c6 8 ♜e1 ♘g4 9
 c4 ♚f6 10 cxd5 ♚xd5 11 ♚c3 O-O 12 ♘e4
 ♘e6 13 ♘d5 ♘d5 14 ♚xd5 ♗xd5 15 ♘f4
 ♜ac8 16 ♗a4 ♗f5 17 ♘g3 ♘b4 18 ♜e3
 ♜fd8 19 a3 ♘e7 20 ♜d1 ♘f6 21 h3 b5 22
 ♗a6 ♚xd4 23 ♚xd4 ♜xd4 24 ♜de1 h6 25
 ♗xa7 ♜a4 26 ♜e8+ ♚h7 27 ♗e3 ♜xe8 28
 ♗xe8 ♘xb2 29 ♘xc7 f6 30 g4 ♗d5 31 ♜b1
 ♜xa3 32 ♜xb2 ♜a1+ 33 ♚h2 ♗f3 34 ♗e4+
 0-1

AI Chess — Shess
 E09/03 9. Ba6

1 d4 d5 2 c4 e6 3 g3 ♚f6 4 ♚f3 ♘e7 5 ♘g2
 O-O 6 O-O ♚bd7 7 ♗c2 c6 8 ♚bd2 b6 9
 e4 ♘a6 10 ♜e1 ♜c8 11 e5 ♚e8 12 ♘f1 c5 13
 ♗a4 ♘xc4 14 ♚xc4 dxc4 15 ♗xc4 cxd4 16
 ♗xd4 ♘c5 17 ♗g4 f5 18 ♗a4 ♗c7 19 ♗b3
 ♜f7 20 ♗xe6 ♚f8 21 ♗b3 ♗e7 22 ♚g5
 ♘xf2+ 23 ♚xf2 ♗c5+ 24 ♚g2 ♗c2+ 25 ♚h3
 ♗xb3 26 axb3 ♜e7 27 ♘c4+ ♚h8 28 ♚f7+
 ♜xf7 29 ♘xf7 a5 30 ♘e3 ♜b8 31 ♘e8 ♜xe8
 32 ♘xb6 ♜b8 33 e6 ♚g6 34 ♜xa5 h6 35 ♘c7
 ♜c8 36 e7 ♜e8 37 ♘d6 ♚g8 38 ♜xf5 ♚h7
 39 ♜f8. ♜xf8 40 exf8 ♚+ ♚xf8 41 ♘xf8 ♚g8
 42 ♜f1 ♚h7 43 ♚g4 ♚g6 44 b4 ♚h7 45 b5
 ♚g8 46 b6 g5 47 ♘h6 ♚h7 48 ♚xg5 ♚g8
 49 ♚g6 ♚h8 50 ♜f8# 1-0

Round 2

Deep Thought — Rebel X
 B17/05 11. a6

1 d4 c6 2 e4 d5 3 ♚d2 dxe4 4 ♚xe4 ♚d7 5
 ♚f3 ♚g6 6 ♚g3 e6 7 ♘d3 ♘e7 8 O-O
 O-O 9 ♗e2 c5 10 dxc5 ♚xc5 11 ♘c4 a6 12
 ♜d1 ♗e8 13 ♗e5 b5 14 ♘e2 ♘b7 15 h3
 ♜c8 16 c3 ♚d5 17 ♗h5 f6 18 ♚d4 ♗xh5 19
 ♘h5 ♜cd8 20 ♘f3 ♚f7 21 ♚b3 ♘d6 22

♚xc5 ♘xc5 23 b3 ♘c6 24 ♘d2 ♚e7 25 ♘xc6
 ♚xc6 26 ♚e4 ♘a3 27 ♘e3 ♚e5 28 f4 ♚d3
 29 ♜d2 ♜d5 30 c4 ♜dd8 31 cxb5 axb5 32
 ♚c3 b4 33 ♚e2 e5 34 ♘b6 ♜d5 35 fxe5 fxe5
 36 ♜ad1 ♜b8 37 ♘d4 e4 38 ♘e3 ♜c8 39
 ♚h2 ♜e5 40 ♚g3 ♜ce8 41 ♘d4 ♜5e6 42
 ♚xe4 ♜xe4 43 ♜xd3 ♜e2 44 ♘c5 ♜c2 45
 ♜d7+ ♚e6 46 ♜1d6+ ♚f5 47 ♜f7+ ♚e5 48
 ♜d3 ♚e6 49 ♜f1 ♜a8 50 ♜e1+ ♚f7 51 ♜e7+
 ♚g6 52 ♜g3+ 1-0

Bebe — Cray Blitz
 B84/09 14 Qf3

1 e4 c5 2 ♚f3 e6 3 d4 cxd4 4 ♚xd4 ♚f6 5
 ♚c3 d6 6 ♘e2 a6 7 O-O ♗c7 8 f4 b5 9 ♘f3
 ♘b7 10 e5 dxe5 11 fxe5 ♚fd7 12 ♘xb7 ♗xb7
 13 ♗h5 g6 14 ♗f3 ♗xf3 15 ♚xf3 ♚c6 16
 ♘f4 ♘c5+ 17 ♚h1 ♚d4 18 ♚e1 ♚f5 19 ♚e4
 ♘d4 20 ♚d3 O-O 21 c3 ♘e3 22 ♜a1 ♘xf4
 23 ♜xf4 ♜fd8 24 g4 ♚h6 25 ♜ef1 ♜ac8 26
 ♚d6 ♚xe5 27 ♚xe5 ♜xd6 28 ♚xf7 ♚xf7 29
 ♜xf7 ♜cd8 30 ♜e7 ♜f8 31 ♜e1 ♜d2 32
 ♜7xe6 ♜ff2 33 ♜xa6 ♜xh2+ 34 ♚g1 ♜dg2+
 35 ♚f1 ♜xb2 36 ♚g1 ♜bg2+ 37 ♚f1 ♜f2+
 38 ♚g1 ♜hg2+ 39 ♚h1 ♜xg4 40 ♜a7 ♜h4+
 41 ♚g1 ♜f8 42 ♜e5 ♜g4+ 43 ♚h2 ♜a4 44
 ♜c7 ♜xa2+ 45 ♚g3 ♜f7 46 ♜c8+ ♚g7 47
 ♜xb5 h5 48 ♜b3 ♜af2 49 c4 g5 50 c5 ♜c2 51
 c6 ♚f6 52 ♜h8 ♚g6 53 ♜g8+ ♜g7 54 ♜c8
 h4+ 55 ♚h3 ♜c4 56 ♜b5 ♜c3+ 57 ♚g2 g4
 58 ♜b2 h3+ 59 ♚h2 ♚h7 60 ♜b1 g3+ 61
 ♚xh3 ♜c2 62 ♜h1 ♜g5 63 ♚h4 ♜g6 64 ♜e8
 ♜h2+ 65 ♜xh2 gxh2 0-1

Hitech — Quest X
 C42/10 8. h6

1 e4 e5 2 ♚f3 ♚f6 3 ♚xe5 d6 4 ♚f3 ♚xe4 5
 ♗e2 ♗e7 6 d3 ♚f6 7 ♘g5 ♚bd7 8 ♚c3 h6
 9 ♘e3 ♚e5 10 ♚xe5 dxe5 11 d4 exd4 12
 ♘d4 c6 13 ♘f6 gx6 14 O-O-O ♘e6 15
 ♚e4 ♜d8 16 ♜xd8+ ♚xd8 17 ♗f3 ♘xa2 18
 b3 ♗e5 19 ♗xf6+ ♗xf6 20 ♚xf6 ♘g7 21
 ♚e4 ♚c7 22 ♘c4 ♜e8 23 f3 ♜e7 24 ♚d2 h5
 25 ♘d3 ♘h6+ 26 ♚d1 ♜d7 27 ♚e2 ♘g7 28
 ♚g3 h4 29 ♚f5 ♘f6 30 g3 hxg3 31 ♚xg3
 ♜e7+ 32 ♚d2 ♘e5 33 ♚e2 ♚b6 34 f4 ♘g7
 35 ♚c3 ♘xb3 36 cxb3 ♚c5 37 ♚e2 ♚b4 38
 ♚c2 a5 39 h4 b5 40 h5 ♜e6 41 f5 ♜h6 42
 ♚c3 ♘f6 43 ♘e2 a4 44 bxa4 bxa4 45 ♜b1+
 ♚c5 1-0

Merlin — Fidelity X
 B01/18 9 Bg2

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1 e4 d5 2 exd5 ♗xd5 3 ♖c3 ♗a5 4 d4 ♖f6
 5 ♖f3 ♗g4 6 h3 ♗h5 7 g4 ♗g6 8 ♖e5 e6 9
 ♗g2 ♗e4 10 ♖c4 ♗b4 11 a3 ♗xc4 12 ♖xe4
 ♖c6 13 ♖xf6+ gxf6 14 c3 O-O-O 15 ♗f3
 ♗g7 16 ♗e2 ♗xe2+ 17 ♗xe2 ♖e7 18 a4
 ♗b8 19 a5 ♗d7 20 a6 b6 21 ♗f3 ♗hd8 22
 ♗e4 h6 23 ♗b7 e5 24 ♗e3 exd4 25 ♗xd4
 ♖g6 26 ♗ad1 ♖f4+ 27 ♗e3 ♖e6 28 ♗e2
 ♖xd4+ 29 ♗xd4 ♗xd4 30 cxd4 ♗xd4 31 ♗d1
 ♗xd1 32 ♗xd1 f5 33 ♗c2 fvg4 34 hxg4 c5 35
 ♗e4 ♗e5 36 f3 ♗c7 37 b3 f6 38 ♗d3 b5 39
 ♗f5 ♗b6 40 ♗e4 ♗xa6 41 ♗d5 ♗d4 42
 ♗e6 ♗a5 43 ♗e4 ♗b4 44 ♗f5 c4 45 bxc4
 bxc4 46 ♗e4 ♗e5 47 ♗d7 c3 48 ♗d3 ♗b3
 49 ♗c6 a5 50 ♗b5 c2 0-1

AI Chess — Sun Phoenix
 A81/07 5-Bf4

1 d4 f5 2 g3 ♖f6 3 ♗g2 e6 4 ♖f3 ♗e7 5 ♗f4
 O-O 6 O-O ♖c6 7 ♖c3 d6 8 d5 exd5 9
 ♖xd5 ♖xd5 10 ♗xd5+ ♗f7 11 h4 h6 12 ♗e3
 ♗d7 13 ♗ad1 ♗f6 14 c3 ♗c8 15 ♗c4 ♗e6
 16 ♗a4 ♗d7 17 ♗fe1 ♗h7 18 ♖d4 ♖xd4
 19 ♗xd7 ♗xd7 20 ♗xd4 ♗xd4 21 ♗xd4 ♗e7
 22 ♗b4 ♗c6 23 ♗xc6 bxc6 24 ♗b7 ♗g8 25
 e3 ♗f7 26 ♗g2 ♗e6 27 ♗f3 ♗d7 28 ♗f4
 c5 29 ♗d1 ♗c6 30 ♗b3 g6 31 ♗a3 ♗e4+ 32
 ♗f3 ♗c4 33 ♗e2 ♗e4 34 b3 a6 35 c4 ♗b6
 36 h5 g5 37 ♗d5 f4 38 gxf4 gxf4 39 ♗f5 fxe3
 40 fxe3 ♗ae8 41 ♗f3 ♗h4 42 ♗f5 ♗h3 43
 ♗f3 ♗xf3 44 ♗xf3 ♗g8 45 ♗a4 ♗g5 46 ♗f4
 ♗xh5 47 ♗g4 ♗e5 48 ♗f4 h5 49 ♗f3 h4 50
 ♗g4 ♗e4+ 51 ♗h3 c6 52 b4 ♗xe3+ 53 ♗xh4
 ♗e4+ 54 ♗g5 ♗xc4 55 bxc5+ ♗xc5+ 56 ♗f4
 ♗h5 57 ♗b4+ ♗c7 58 ♗b3 c5 59 ♗a3 ♗b6
 60 ♗b3+ ♗a5 61 ♗a3+ ♗b5 62 ♗b3+ ♗c6
 63 ♗a3 ♗b7 64 ♗b3+ ♗a7 65 ♗c3 c4 66
 ♗e4 ♗a5 67 ♗d4 d5 68 ♗e3 ♗b7 69 a4
 ♗c6 70 ♗e6+ ♗d7 71 ♗g6 ♗e7 72 ♗h6
 ♗f8 73 ♗h7 c3 74 ♗c7 ½-½

Novag X — Waycool
 B33/28 12. Be6

1 e4 c5 2 ♖f3 ♖c6 3 d4 cxd4 4 ♖xd4 ♖f6 5
 ♖c3 e5 6 ♖db5 d6 7 ♗g5 a6 8 ♗xf6 gxf6 9
 ♖a3 b5 10 ♖d5 f5 11 exf5 ♗xf5 12 c3 ♗e6
 13 g3 ♗g7 14 ♗g2 ♗c8 15 ♖c2 ♖e7 16
 ♖xe7 ♗xe7 17 ♖b4 a5 18 ♖d5 ♗a7 19
 ♗e2 ♗c5 20 O-O-O b4 21 ♗b1 ♗f5+ 22
 ♗a1 bxc3 23 ♖xc3 O-O 24 ♖d5 ♗fe8 25
 ♗e3 ♗b5 26 ♗c1 ♗b8 27 ♗c3 ♗xb2+ 1-0

Mephisto X — Kallisto
 D06/13 3. d:c4

1 ♖f3 d5 2 d4 ♗f5 3 c4 dxc4 4 ♖c3 c6 5 e4
 ♗e6 6 ♗e2 b5 7 O-O ♖f6 8 e5 ♖d5 9 a4 b4
 10 ♖b1 ♖c7 11 ♖bd2 c3 12 bxc3 bxc3 13
 ♖b1 ♖d5 14 ♗c2 ♗g4 15 ♖xc3 e6 16 ♗g5
 f6 17 exf6 gxf6 18 ♖xd5 fvg5 19 ♗e4 ♗xd5
 20 ♗xg4 ♗e7 21 ♖e5 h5 22 ♗h3 h4 23 ♗c4
 ♗d6 24 ♗xe6 ♗xe6 25 ♗xe6 ♗f6 26 ♗fe1
 ♗h7 27 ♗ac1 ♗xe5 28 ♗xe5 ♗g7 29 ♗cc5
 ♖d7 30 ♗xd7+ ♗xd7 31 ♗xg5 ♗f7 32 g4
 ♗e8 33 ♗a5 ♗c8 34 ♗ae5 ♗d8 35 ♗e4 ♗df8
 36 ♗c5 ♗xf2 37 ♗xc6+ ♗d7 38 ♗h6 ♗f1+ 39
 ♗g2 ♗8f2+ 40 ♗h3 1-0 time

Dappet — Centaur
 B01/13 4. Nc6

1 e4 d5 2 exd5 ♗xd5 3 ♖c3 ♗a5 4 d4 ♖c6
 5 ♗b5 ♗d7 6 d5 ♖e5 7 ♗xd7+ ♖xd7 8 ♖f3
 ♖gf6 9 ♗d4 ♖c5 10 b4 ♗a6 11 ♗xc5 e6 12
 ♗xc7 ♗xb4 13 dxe6 ♗xe6+ 14 ♗f1 ♗c8 15
 ♖b5 ♗f8 16 ♗xb7 ♗xc2 17 ♗g1 ♗e2 18
 ♗e3 ♗xa2 19 ♗c1 a5 20 ♖bd4 ♗d3 21 ♖e5
 ♗g6 22 ♗c8+ ♖e8 23 ♗xe8+ ♗xe8 24 ♗d7+
 1-0

Y!89 — Much
 B09/31 10 h3

1 e4 d6 2 d4 ♖f6 3 ♖c3 g6 4 f4 ♗g7 5 ♖f3
 O-O 6 ♗d3 ♖c6 7 ♗e3 e5 8 fxe5 dxe5 9 d5
 ♖e7 10 h3 c6 11 dxc6 ♖xc6 12 ♗b5 ♗a5 13
 ♗xc6 bxc6 14 O-O ♗a6 15 ♗e1 ♗ad8 16
 ♗c1 ♗c4 17 ♖d2 ♗e6 18 ♖b3 ♗c7 19 ♗c5
 ♗fe8 20 ♗e3 ♗d7 21 ♗ed1 a6 22 ♗b6 ♗b8
 23 ♖a4 ♗d6 24 ♖a5 ♖d7 25 ♗xd6 ♗xd6 26
 a3 ♖xb6 27 ♗xb6 ♗b8 28 ♗a7 ♗c8 29 ♗f2
 ♗c7 30 b4 ♗d8 31 ♗c5 ♗d6 32 ♗c3 ♗c8 33
 ♗f1 ♗h8 34 ♖c5 ♗g8 35 ♗c4 ♗d4 36 ♗e2
 ♗b6 37 c3 ♗d8 38 ♗a2 ♗f8 39 ♗h1 ♗b5
 40 ♗d1 ♗b6 41 ♗d6 ♗b5 42 c4 ♗b8 43
 ♗xc6 ♗a8 44 ♗d2 ♗h8 45 ♗d5 ♗a7 46
 ♗d6 f6 47 ♗c6 ♗g8 48 ♗b6 ♗xb6 49 ♗xb6
 ♗f8 50 ♖c6 f5 51 exf5 ♗xf5 52 ♗xa6 e4 53
 ♗a7 e3 54 ♗e7 ♗c8 55 g4 ♗f8 56 ♗xe3 ♗xc5
 57 bxc5 ♗xc6 58 gxf5 ♗xc5 59 fvg6 ♗xc4 60
 ♗e8+ ♗g7 61 gxf7 ♗xh7 62 ♗g2 ♗a4 63
 ♗e7+ ♗g6 64 ♗e3 ♗f5 65 ♗b3 ♗g5 66
 ♗g3 ♗g6 67 ♗e3 ♗h5 68 ♗d3 ♗g5 69 ♗c3
 ♗h5 70 ♗e3 ♗a8 71 ♗d3 ♗a4 72 ♗f3 ♗a5
 73 ♗h2 ♗g5 74 ♗b3 ♗a8 75 ♗c3 ♗h5 76
 ♗g3 ♗a4 77 ♗b3 ♗g5 78 ♗g2 ♗f6 79 ♗c3
 ♗g5 80 ♗f3 ♗c4 81 ♗g3 ♗a4 82 ♗f2 ½-½

BP — Pandix
C30/01 2. f5

1 e4 e5 2 f4 f5 3 exf5 ♖h4+ 4 g3 ♗e7 5 fxe5
♗xe5+ 6 ♗e2 ♘c6 7 d4 ♗xe2+ 8 ♘e2 d5 9
♙h3 ♙d6 10 ♘bc3 ♘ge7 11 ♙g5 ♘xf5 12
O-O-O ♘fxd4 13 ♘xd4 ♙xh3 14 ♖he1+
♗f7 15 ♘db5 d4 16 ♘xd6+ cxd6 17 ♘b5
♗g6 18 ♙f4 ♙g4 19 ♖d3 ♖ae8 20 ♖xe8
♖xe8 21 ♘xd4 ♘xd4 22 ♖xd4 ♖e1+ 23 ♗d2
♖e2+ 24 ♗c3 ♖xh2 25 ♖xd6+ ♗f7 26 ♖d2
♖xd2 27 ♗xd2 b5 28 b3 h5 29 c4 bxc4 30
bxc4 ♙e6 31 ♗d3 g6 32 a4 ♙d7 33 a5 a6 34
♗d4 ♗f6 35 ♙c7 g5 36 ♙d8+ ♗f5 37 c5
♙c6 38 ♙e7 ♗g4 39 ♗e5 h4 40 gxh4 gxh4
41 ♗e6 h3 42 ♙d6 ♗f3 43 ♙e5 ♗g2 44
♗d6 ♙f3 45 c6 h2 46 ♙xh2 ♗xh2 47 ♗d7
♙g4+ 48 ♗d8 ♙f3 49 c7 ♙g4 50 c8♗ ♙xc8
51 ♗xc8 ♗g3 52 ♗b7 1-0

Zarkov — Shess
E00/05 6. Nbd7

1 d4 d5 2 c4 e6 3 g3 ♘f6 4 ♘c3 ♙e7 5 ♙g2
O-O 6 ♘f3 ♘bd7 7 cxd5 ♘xd5 8 ♙d2 ♘7f6
9 O-O ♗d6 10 ♗c2 c5 11 ♘xd5 ♗xd5 12
♘g5 ♗xd4 13 ♙c3 ♗c4 14 b3 ♗g4 15 ♙xf6
♗f5 16 ♗xf5 exf5 17 ♙xe7 ♖e8 18 ♙xc5 h6
19 ♘f3 ♖xe2 20 ♘d4 ♖e5 21 ♖ac1 a5 22
♙b6 g6 23 ♖c7 h5 24 f4 ♖e8 25 ♙d5 ♖f8 26
♙c5 ♖d8 27 ♙xf7+ ♗g7 28 ♘e6+ ♙xe6 29
♙xe6+ ♗f6 30 ♖e1 g5 31 ♙c4 ♖a6 32 ♙xa6
♖d5 33 ♖ce7 gx4 34 ♖1e6+ ♗g5 35 ♖g7#
1-0

Rex — Moby
B05/17 9. d:e5

1 e4 ♘f6 2 e5 ♘d5 3 d4 d6 4 ♘f3 ♙g4 5
♙e2 e6.6 O-O ♙e7 7 c4 ♘b6 8 ♘c3 O-O 9
♙e3 dxe5 10 ♘xe5 ♙xe2 11 ♗xe2 ♘8d7 12
♖ad1 ♗h8 13 ♘f3 ♘f6 14 ♖fe1 ♙b4 15
♙d2 ♗e7 16 a3 ♙a5 17 b4 ♘xc4 18 ♗xc4
♙xb4 19 axb4 ♖fd8 20 d5 ♘xd5 21 ♘xd5
exd5 22 ♗c2 ♗d7 23 ♘e5 ♗e6 24 ♗xc7
♗g8 25 ♗xb7 ♖ab8 26 ♘c6 ♗d6 27 ♘xd8
♗xd8 28 ♗xa7 h6 29 ♖e7 ♖a8 30 ♗d7 ♖c8
31 ♖xf7 ♗xd7 32 ♖xd7 d4 33 ♖xd4 ♖c7 34
b5 ♖e7 35 b6 h5 36 ♙c3 ♗f7 37 ♖d7 ♖xd7
38 ♖xd7+ ♗e6 1-0

Round 3

Fidelity X — Deep Thought
B05/23 14. f5

1 e4 ♘f6 2 e5 ♘d5 3 d4 d6 4 ♘f3 ♙g4 5
♙e2 e6 6 O-O ♙e7 7 c4 ♘b6 8 h3 ♙h5 9
♘c3 O-O 10 ♙e3 d5 11 c5 ♙xf3 12 gx3
♘c8 13 f4 ♘c6 14 b4 f5 15 ♗a4 ♙h4 16
♗h2 ♘6e7 17 ♖g1 ♘g6 18 ♗b5 ♖b8 19
♖g2 c6 20 ♗a4 ♗d7 21 b5 ♖a8 22 b6 ♘ce7
23 bxa7 ♗c7 24 ♙h5 b5 25 cxb6 ♗xb6 26
♗a3 ♗xa7 27 ♗d6 ♗f7 28 ♖c1 ♖fd8 29
♙xg6+ hxg6 30 ♗b4 ♖db8 31 ♗d6 ♗a5 32
a4 ♖b3 33 ♙d2 ♖d8 34 ♘b1 ♗a8 35 ♗c7
♖db8 36 ♘c3 ♖8b7 37 ♗d6 ♘c8 38 ♗c5
♙e7 39 ♗xc6 ♖3b6 40 ♗xb7 ♖xb7 41 ♖cg1
♙f8 42 ♖xg6 ♖b2 43 ♙e1 ♗a7 44 ♖6g3
♗xd4 45 ♖f3 ♗c4 46 ♘d1 ♗e2 47 ♘xb2
♗xf3 48 ♖g3 ♗xf4 49 ♘d3 ♗xa4 50 ♙d2
♙e7 51 ♙e1 ♗e4 52 ♖e3 ♗d4 53 ♙a5 ♘a7
54 ♗g2 ♘c6 55 ♙c7 ♗e8 56 ♙d6 f4 57 ♖f3
g5 58 ♘c1 ♙xd6 59 exd6 ♘e7 0-1

Cray Blitz — Hitech
C69/06 11 Be3

1 e4 e5 2 ♘f3 ♘c6 3 ♙b5 a6 4 ♙xc6 dxc6 5
O-O f6 6 d4 exd4 7 ♘xd4 c5 8 ♘b3 ♗xd1 9
♖xd1 ♙g4 10 f3 ♙e6 11 ♙e3 b6 12 a4 ♙d6
13 a5 ♙e5 14 axb6 cxb6 15 ♖a2 ♘h6 16 ♖c1
f5 17 ♙xh6 gxh6 18 exf5 ♙xb3 19 cxb3 ♗f7
20 g4 ♖hd8 21 ♖e1 ♙h8 22 ♘c3 ♖d2 23
♖e2 ♖xe2 24 ♘e2 a5 25 ♗f2 ♖d8 26 ♗e3
♖d1 27 ♘c3 ♙d4+ 28 ♗e4 ♖e1+ 29 ♗d5
♖f1 30 ♘b5 ♙g1 31 ♗c6 ♖xf3 32 ♗xb6 ♗f6
33 ♖a1 ♙xh2 34 ♗xc5 ♖xb3 35 ♖xa5 ♖xb2
36 ♖a4 ♗g5 37 ♗c6 h5 38 gxh5 ♗xf5 39
♖a7 h6 40 ♖g7 ♖d2 41 ♖g6 ♙f4 42 ♘d6+
♙xd6 43 ♖xd6 ♖xd6+ 44 ♗xd6 ♗g5 45 ♗e5
♗xh5 46 ♗f5 ♗h4 47 ♗f4 ½-½

Mephisto X — AI Chess
D70/02 4. Q:d5

1 ♘f3 d5 2 d4 ♘f6 3 c4 g6 4 cxd5 ♗xd5 5
♘c3 ♗a5 6 e3 ♙g7 7 ♙c4 ♘e4 8 ♙d2 ♘xd2
9 ♘xd2 e5 10 dxe5 ♙xe5 11 ♗b3 O-O 12
O-O ♘d7 13 ♘f3 ♘c5 14 ♗c2 ♙xc3 15
bxc3 ♙f5 16 ♗b2 ♗b6 17 ♗b4 ♖ad8 18
♖fd1 ♗xb4 19 cxb4 ♘d3 20 ♙xd3 ♖xd3 21
♖xd3 ♙xd3 22 ♖d1 ♙b5 23 ♖c1 c6 24 ♘d4
♙d3 25 ♖c3 ♙b1 26 a4 ♖d8 27 a5 a6 28 h4
f5 29 f3 ♙a2 30 ♗f2 ♗g7 31 ♗g3 ♗f6 32
♖c2 ♙f7 33 ♗f4 h6 34 ♖c5 ♙g8 35 ♗g3

Garth E. Courtois Jr.: The Sixth World Computer-Chess Championship (Edmonton – Canada)

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E5d5 36 E5xd5 5d5 37 Qf2 Qe5 38 Qe2
 Qc4 39 Qc3 Qd3 40 g4 fxg4 41 fxg4 Qc2 42
 Qe2 g5 43 h5 Qb3 44 Qf2 Qe6 45 Qf3
 Qd5+ 46 Qg3 Qb3 47 Qf3 Qc2 48 Qe2
 Qd6 49 Qd2 Qh7 50 Qa4 Qe4 51 Qc5 Qf3
 52 Qxb7+ Qd5 53 Qc5 Qxg4 54 Qxa6 Qd6
 55 Qc5 Qc7 56 e4 Qxh5 57 e5 g4 58 e6 g3
 59 Qe3 Qg4 60 e7 Qh5 61 Qe4 Qg6 62
 Qxg3 c5 63 bxc5 1-0

Sun Phoenix — Novag X
 A36/19 12. e5

1 c4 c5 2 Qc3 Qc6 3 g3 g6 4 Qg2 Qg7 5 e4
 Qf6 6 Qge2 O-O 7 O-O d6 8 d3 Qe8 9 h3
 Qc7 10 f4 f5 11 Qe3 Qd4 12 Qd2 e5 13
 exf5 gxf5 14 Qd5 Qxd5 15 Qxd5+ Qh8 16
 fxe5 dxe5 17 Qxd4 cxd4 18 Qh6 Qe7 19
 Qg5 Qxg5 20 Qxg5 Ee8 21 Eae1 e4 22
 dxe4 fxe4 23 Exe4 Qxh3 24 Ee7 Exe4 25
 Qxe4 Ee8 26 Exb7 Exe4 27 Eb8+ Qf8 28
 Exf8+ Qg7 29 Ee4 Exf4 30 Qxf4 Qf6 31 b3
 Qf5 32 a4 Qg4 33 b4 d3 34 b5 Qe4 35 c5
 Qd5 36 b6 Qc6 37 bxa7 Qb7 38 Qf2 Qxa7
 39 Qe3 Qf5 40 Qd4 Qa6 41 Qd2 Qd7 42
 a5 Qb5 43 Qxd3 Qxc5 ½-½

Waycool — Bebe
 B22/02 4 Bd3

1 e4 c5 2 c3 d6 3 d4 Qf6 4 Qd3 cxd4 5 cxd4
 g6 6 Qd2 Qg7 7 Qgf3 O-O 8 O-O Qc6 9
 d5 Qb4 10 Qc4 Qd7 11 Qb3 Qa5 12 a3 b5
 13 Qxb5 Qxb5 14 Qxb4 Qxb4 15 axb4 Qxf1
 16 Qxf1 Efb8 0-1 time

Rebel X — Dappet
 D25/17 7 O-O

1 d4 d5 2 c4 dxc4 3 Qf3 Qf6 4 e3 Qg4 5
 Qxc4 e6 6 h3 Qh5 7 O-O c6 8 b3 b5 9 Qe2
 Qe7 10 Qb2 O-O 11 Qe5 Qxe2 12 Qxe2
 Qe4 13 Qc2 Qd5 14 f3 Qg3 15 Ee1 f6 16
 e4 Qd8 17 Qd3 b4 18 Qf2 Qc7 19 Qc4
 Qh8 20 Qxe6 f5 21 e5 Qe4+ 22 Qe1 Qg5
 23 Qc4 Qa5 24 a3 bxa3+ 25 Qc3 Qd8 26
 Qxa3 Ee8 27 Qc2 Qe6 28 f4 Qh4+ 29 Qe2
 Qg3 30 Ee1 Qh4 31 Qd2 Qh6 32 Qcb4
 Ee8 33 Qe3 a5 34 Qc5 Qh5+ 35 Ee3 Qxc5
 36 dxc5 g5 37 Qe6 Ee8 38 Qxf5 Qg8 39
 Qf1 Qh4 40 fxg5 Ee7 41 Qd3 Qh2 42 g3
 Qxg3 43 Qg1 Qa6 44 Ee5 Qxe5 45 Ee6
 Eae7 46 Exc6 Qc3 47 Ee8 1-0

Quest X — Zarkov
 B30/04 5 Nc3

1 e4 c5 2 Qf3 Qc6 3 Qb5 Qf6 4 e5 Qd5 5
 Qc3 Qxc3 6 dxc3 Qc7 7 O-O Qxe5 8 Qxe5
 Qxe5 9 Ee1 Qc7 10 Qf3 e6 11 Qf4 Qb6 12
 c4 a6 13 Qa3 Qa7 14 Qa4 b5 15 cxb5 axb5
 16 Qxb5 Qxa3 17 bxa3 Ee3 18 Qc1 Ee7 19
 a4 Qe7 20 Qf4 O-O 21 Qb8 Eb7 22 Qe5 d5
 23 h3 c4 24 Qc6 Eb6 25 Qb5 Qc5 26 Qc3
 Eb7 27 Qc6 Ee7 28 Qb5 Ee7 29 a5 Qa6 30
 Eb1 Ee8 31 Qe5 d4 32 Qa4 d3 33 c3 Ee8
 34 Qc6 d2 35 Qf4 e5 36 Qxe5 Ee7 37 Qg3
 Ee6 38 Qf3 Ede8 39 Qf4 Ee1+ 40 Qh2
 Exb1 41 Exb1 Ee8 42 Qg1 Qa3 43 Qf1
 Qc1 44 Exc1 dxc1 Q+ 45 Qxc1 Ee3 46 Qb2
 f5 47 h4 Ee2 48 Qa3 Qf7 49 h5 Ee2 50
 Qb4 Qf6 51 h6 gxh6 52 Qg1 Ee1+ 53 Qh2
 Qe5 54 Qg3 f4+ 55 Qh2 Qc8 56 Qc6 Ee2
 57 f3 h5 58 Qb5 Qe6 59 Qh1 Qd5 60 Qh2
 h4 61 Qg1 h6 62 Qa6 Qc6 63 Qf1 Ee2 64
 Qg1 Ee8 65 Qh2 0-1

Rex — Merlin
 C42/08 7. Bg4

1 e4 e5 2 Qf3 Qf6 3 Qxe5 d6 4 Qf3 Qxe4 5
 Qc3 Qf6 6 d4 Qe7 7 Qd3 Qg4 8 O-O O-O
 9 d5 Qbd7 10 Ee1 Qe5 11 Qe2 Qf5 12 Qd4
 Qd7 13 f4 Qg6 14 f5 Qe5 15 Qf4 c5 16 dxc6
 bxc6 17 Qf3 Qb6 18 Qxe5 dxe5 19 Ee5
 Qd6 20 Ee3 c5 21 Qe6 fxe6 22 Qxa8 c4 23
 Qf3 Qg4 24 Eae1 Qxe3 25 Ee3 Qc5 26
 Qd1 Qxe3+ 27 Qxe3 Qxb2 28 Qe4 Qxa2 29
 Qd1 Qc8 30 fxe6 Qxe6 31 Qd5 Qxd5 32
 Qxd5+ Qh8 33 h3 Qb1+ 34 Qh2 Qb8+ 35
 Qh1 Ee8 36 Qd4 a5 37 Qg1 c3 38 Qf5
 Qe5 39 Qd7 Eb8 40 Qd3 Eb1+ 41 Qf2
 Qe1+ 42 Qf3 Qf1+ 43 Qxf1 Ee1+ 44 Qe4
 Exf5 45 Qd4 0-1

Much — BP
 A08/03 4 d4

1 Qf3 d5 2 g3 c5 3 Qg2 Qc6 4 d4 c4 5 O-O
 Qf5 6 Qc3 e6 7 Qh4 Qg6 8 Qxg6 hxg6 9
 Ee1 Qb4 10 Qd2 Qf6 11 a3 Qa5 12 b4 cxb3
 13 cxb3 Ee8 14 b4 Qb6 15 e3 Qg4 16 h3
 Qf6 17 Qb2 a5 18 Qa4 Qc7 19 Ee1 Qd6
 20 Qc5 b6 21 Qb7 Qd7 22 bxa5 Qxg3 23
 fxg3 Qxb7 24 axb6 Qxb6 25 a4 Eb8 26 a5
 Qb5 27 a6 Qd7 28 Qc3 Qe4 29 Qe4 dxe4
 30 a7 Ee8 31 Ecb1 Qg5 32 Qf2 Qd6 33
 Ee6 Qf5 34 Qb2 g5 35 Qb7 e5 36 Qb4+
 1-0

Kallisto — Y!89
B40/04 6 Be3

1 e4 c5 2 ♘f3 e6 3 d4 cxd4 4 ♘xd4 ♘f6 5 ♘d3 ♘c6 6 ♘e3 d5 7 ♘xc6 bxc6 8 e5 ♘d7 9 f4 ♘h4+ 10 g3 ♘h6 11 ♘d2 ♘c5 12 ♘xc5 ♘xc5 13 ♘b4 ♘xd3+ 14 cxd3 ♘g6 15 ♘d6 ♘d7 16 ♘d2 f6 17 exf6 ♘xf6 18 ♘c3 ♘f8 19 ♘xf8+ ♘xf8 20 d4 ♘b8 21 b3 ♘e7 22 ♘ac1 ♘e8 23 ♘e2 ♘b6 24 ♘c5 ♘g6 25 ♘hc1 ♘a6 26 ♘c3 ♘c8 27 ♘e3 ♘f6 28 g4 ♘e7 29 ♘a4 ♘d6 30 h3 ♘f8 31 a3 ♘e4 32 ♘5c3 ♘g6 33 ♘g1 ♘a5 34 ♘gc1 ♘a6 35 ♘c5 ♘e4 36 ♘5c3 ♘g6 37 ♘g1 ♘a5 38 ♘gc1 ♘a6 ½-½

Moby — Pandix
D54/03 10 g3

1 d4 ♘f6 2 c4 e6 3 ♘c3 d5 4 ♘g5 ♘e7 5 e3 O-O 6 ♘c1 h6 7 ♘h4 b6 8 ♘xf6 ♘xf6 9 cxd5 exd5 10 g3 c6 11 ♘h3 ♘d7 12 ♘xd7 ♘xd7 13 ♘g4 ♘g5 14 ♘f3 a5 15 O-O ♘e7 16 ♘a4 b5 17 ♘c5 ♘xc5 18 ♘e5 ♘e4 19 ♘xc6 ♘d6 20 f3 ♘d2 21 ♘f2 ♘c4 22 ♘xc4 bxc4 23 ♘f5 ♘b4 24 a3 ♘e7 25 ♘e2 ♘e8 26 e4 dxe4 27 ♘xe4 ♘b8 28 ♘g4 ♘xb2 29 ♘xc4 ♘xa3 30 ♘c2 ♘e1+ 31 ♘f2 ♘d1 32 ♘e2 ♘dd2 33 ♘xd2 ♘xd2+ 34 ♘f1 ♘xh2 35 ♘e5 ♘f8 36 ♘h4 ♘xh4 37 gxxh4 ♘xh4 38 ♘xa5 ♘xd4 0-1

Shess — Centaur
B01/06 4. Nb4

1 e4 d5 2 exd5 ♘f6 3 d4 ♘xd5 4 c4 ♘b4 5 ♘a4+ ♘8c6 6 d5 ♘xd5 7 cxd5 ♘xd5 8 ♘c3 ♘e5+ 9 ♘e3 a5 10 ♘f3 ♘e6 11 ♘d3 g6 12 ♘d4 ♘d6 13 O-O ♘g7 14 ♘xc6 bxc6 15 ♘e4 ♘xd3 16 ♘xc6+ ♘d7 17 ♘xa8 ♘xb2 18 ♘ab1 ♘e5 19 ♘xa5 ♘e6 20 ♘a4+ ♘f8 21 ♘h6+ ♘g7 22 ♘d4 f6 23 ♘f4 ♘f7 24 ♘xc7 ♘xa2 25 ♘be1 ♘e6 26 f4 ♘c8 27 ♘b6 ♘c4 28 ♘d8 ♘c8 29 ♘g5+ fxg5 30 fxg5+ ♘f6 31 ♘xf6+ exf6 32 ♘xf6+ ♘g8 33 ♘d4 ♘c7 34 ♘d8+ ♘f7 35 ♘xc7+ ♘f8 36 ♘c5+ ♘g8 37 ♘d8+ 1-0

Round 4

Deep Thought — Cray Blitz
D01/12 4. Ne4

1 d4 ♘f6 2 ♘c3 d5 3 ♘g5 ♘f5 4 e3 ♘e4 5 ♘xe4 ♘xe4 6 f3 ♘f5 7 c4 c6 8 ♘b3 ♘a5+ 9 ♘d1 ♘c8 10 ♘f4 ♘d7 11 cxd5 ♘xd5 12

♘c4 ♘f5 13 g4 ♘f6 14 g5 ♘f5 15 ♘e2 e6 16 e4 ♘g6 17 h4 h6 18 gxxh6 gxxh6 19 ♘c2 b5 20 h5 ♘f6 21 ♘d3 e5 22 dxe5 ♘xe5 23 ♘c3 ♘d6 24 a3 ♘d7 25 ♘g3 ♘b8 26 f4 ♘g4 27 e5 ♘e6 28 ♘d4 ♘d5 29 ♘ae1 ♘g8 30 ♘h7 ♘g7 31 ♘e4 ♘c4 32 ♘xc4 bxc4 33 e6 fxe6 34 ♘xe6 ♘g8 35 ♘g6+ ♘xg6 36 hxg6 ♘xe6 37 ♘xe6+ ♘d7 38 g7 ♘xf4 39 ♘g6 ♘e3+ 40 ♘c1 ♘xg3 41 ♘xg3 ♘g8 42 ♘xe3 ♘xg7 43 ♘xh6 ♘c7 44 ♘ee6 1-0

Hitech — Fidelity X
D02/11 5 Nbd2

1 d4 d5 2 ♘f3 ♘f6 3 ♘f4 ♘f5 4 e3 c6 5 ♘bd2 e6 6 c4 ♘b4 7 a3 ♘a5 8 ♘b3 b6 9 ♘a4 ♘xd2+ 10 ♘xd2 ♘fd7 11 ♘d6 a5 12 c5 e5 13 ♘b3 a4 14 ♘c3 exd4 15 ♘xd4 ♘f6 16 ♘xf6 gxf6 17 cxb6 ♘xb6 18 ♘c1 ♘6d7 19 ♘f3 ♘f8 20 ♘d4 ♘d7 21 ♘d3 ♘g8 22 O-O ♘h3 23 ♘g3 ♘d7 24 e4 ♘e6 25 ♘f5 d4 26 e5 fxe5 27 ♘xe5 c5 28 ♘d6+ ♘f8 29 ♘xh7 ♘g5 30 f4 ♘h5 31 ♘e4 ♘c6 32 f5 ♘g5 33 ♘xc6 ♘xc6 34 ♘f4 d3 35 ♘cd1 ♘b8 36 ♘xf7 ♘xf7 37 ♘xb8 ♘xb8 38 ♘xd3 ♘c6 39 ♘d7+ ♘f8 40 ♘c1 ♘e4 41 ♘c4 ♘f6 42 ♘c7 ♘d4 43 ♘7xc5 ♘h4 44 ♘b4 ♘f4 45 h3 ♘e7 46 ♘a5 ♘e2+ 47 ♘h2 ♘xb4 48 axb4 ♘d4 49 g4 ♘e8 50 b5 ♘d6 51 ♘a8 ♘d7 52 ♘a7+ ♘c8 53 b6 ♘d6 54 f6 ♘f3+ 55 ♘g3 ♘e5 56 ♘e7 ♘d3 57 f7 ♘xf7 58 ♘xf7 ♘b8 59 g5 ♘e5 60 ♘e7 ♘c6 1-0

Novag X — Mephisto X
D20/13 8. Qf6

1 d4 d5 2 c4 dxc4 3 e4 e5 4 ♘f3 ♘b4+ 5 ♘d2 ♘xd2+ 6 ♘bxd2 exd4 7 ♘xc4 ♘c6 8 O-O ♘f6 9 e5 ♘g6 10 ♘b5 ♘ge7 11 ♘xd4 O-O 12 ♘2f3 ♘xd4 13 ♘xd4 ♘g4 14 ♘d3 ♘f5 15 ♘f4 ♘xf3 16 ♘xf3 ♘h4 17 ♘h3 ♘g5 18 ♘ad1 ♘g6 19 e6 ♘f6 20 exf7+ ♘h8 21 ♘e4 ♘xf7 22 ♘xb7 ♘af8 23 ♘b3 ♘b8 24 ♘f3 ♘e7 25 ♘h3 ♘f4 26 ♘e3 ♘f8 27 ♘d5 ♘xd5 28 ♘xd5 ♘xb2 29 ♘d2 ♘xd2 30 ♘xd2 ♘c5 31 ♘c1 ♘f8 32 ♘f1 ♘c5 33 ♘b1 h6 34 h4 c6 35 ♘b8+ ♘h7 36 ♘c8 a5 37 h5 ♘f6 38 ♘e2 ♘f5 39 ♘c7 ♘b1+ 40 ♘h2 ♘f5 41 ♘g1 ♘b1+ 42 ♘h2 ♘f5 43 ♘g1 ½-½

Merlin — Sun Phoenix
C02/07 12 Be3

1 e4 e6 2 d4 d5 3 e5 c5 4 dxc5 ♘c6 5 ♘f3 ♘xc5 6 ♘d3 f6 7 ♘e2 fxe5 8 ♘xe5 ♘f6 9 ♘f4 O-O 10 O-O ♘e4 11 ♘xc6 bxc6 12

Garth E. Courtois Jr.: The Sixth World Computer-Chess Championship (Edmonton – Canada)

(Source: ICCA Journal – Volume 12 – June 1989) (photo copyright © by <http://www.schaakcomputers.nl/>) (600 dpi)

♖e3 ♗e3 13 ♘e3 ♘f6 14 ♘d2 ♙b6 15
 ♙xb6 axb6 16 ♚fe1 c5 17 ♘f3 c4 18 ♖f1
 ♚d8 19 ♘e5 ♗b7 20 g3 ♘f8 21 ♗h3 ♚d6 22
 a3 ♘e7 23 ♘f3 d4 24 ♘e5 ♚c8 25 ♖f1 c3 26
 b3 ♗e4 27 ♗d3 ♗xd3 28 ♘xd3 ♚a8 29 a4
 ♘d7 30 f4 ♘f6 31 ♘g2 ♘e7 32 ♘f3 ♘f6 33
 ♚e5 ♘f7 34 ♚h5 h6 35 a5 ♚a6 36 ♚b5 ♚d5
 37 ♚xd5 exd5 38 b4 ♘f6 39 ♘c1 bxa5 40
 ♚xa5 1-0 time

Bebe — Rebel X
 A04/01 1. c6

1 ♘f3 c6 2 ♘c3 d5 3 d4 ♖f5 4 h3 e6 5 g4
 ♗g6 6 ♗g2 ♗d6 7 ♗e3 ♘e7 8 ♙d2 ♘d7 9
 ♘h4 ♘b6 10 b3 ♚c8 11 a4 ♗b4 12 a5 ♘d7
 13 a6 b5 14 ♘xg6 hxg6 15 h4 ♙b6 16 ♚h3
 ♘b8 17 ♗f4 ♘a6 18 ♗g5 c5 19 ♗xe7 ♘xe7
 20 ♘xd5+ exd5 21 c3 ♗a5 22 dxc5 ♘xc5 23
 ♗xd5 b4 24 c4 ♙c7 25 ♙g5+ ♘e8 26 ♚f3 f6
 27 ♙xg6+ ♘d8 28 ♚d1 ♙e7 29 ♚e3 ♙f8 30
 ♚e8+ ♙xe8 31 ♗c6+ ♘d7 32 ♚xd7+ ♙xd7
 33 ♗xd7 ♘xd7 34 ♙f5+ ♘d6 35 ♙d5+ ♘e7
 36 ♙xa5 ♚xh4 37 ♙xa7+ ♘e6 38 ♙b6+
 ♘d7 39 c5 ♚h1+ 40 ♘d2 ♚d8 41 c6+ ♘e8+
 42 ♘e3 ♚h3+ 43 f3 ♘e7 44 ♙c7+ ♘e8 45
 ♙xg7 1-0

Zarkov — AI Chess
 A41/09 5 h3

1 c4 g6 2 d4 ♗g7 3 ♘c3 d6 4 ♘f3 ♘c6 5 h3
 e5 6 d5 ♘ce7 7 e4 f5 8 exf5 ♗xf5 9 ♙b3 b6
 10 ♘g5 ♘f6 11 ♙b5+ ♗d7 12 ♘e6 ♗xb5 13
 ♘xd8 ♗xc4 14 ♘e6 ♗xf1 15 ♚xf1 ♘f7 16
 ♘xc7 ♚ad8 17 ♗g5 ♚d7 18 ♗xf6 ♗xf6 19
 ♘a6 ♚c8 20 O-O-O e4 21 ♘c2 ♘f5 22
 ♚fe1 ♚e7 23 g4 ♘h4 24 ♘b3 ♗xc3 25 bxc3
 ♘g2 26 ♚e2 ♘f4 27 ♚e3 ♚e5 28 c4 b5 29
 cxb5 ♘xd5 30 ♚g3 ♘e6 31 a4 g5 32 ♚d2 h6
 33 ♚c2 ♚xc2 34 ♘xc2 ♘f6 35 ♘b8 ♚e7 36
 ♘d2 ♚b7 37 ♘c6 ♚c7 38 ♚g1 ♘f4 39 ♘e3
 d5 40 f3 exf3 41 ♘xf3 ♚d7 42 ♚d1 ♘e6 43
 h4 ♘d6 44 ♘d4 ♘c5 45 a5 ♘g6 46 hxg5
 hxg5 47 ♘g3 ♘e5 48 a6 ♘b6 49 ♚e1 ♘d3
 50 ♚e3 ♘c5 51 ♚e5 ♘e4+ 52 ♘f3 ♘c5 53
 ♘e3 ♘c4 54 ♚e6 ♘c5 55 ♚e5 ♚h7 56 ♘f3
 ♚d7 57 ♘d4 ♚d8 58 ♚e7 ♚h8 59 ♘f3 ♚g8
 60 ♚xa7 ♚e8+ 61 ♘d2 ♘xb5 62 ♘xg5 ♚g8
 63 ♚f7 ♚xg5 64 a7 ♚g8 65 g5 ♘c4 66 g6
 ♘e4+ 67 ♘e3 ♘d6 68 ♚f4+ ♘c3 69 g7
 ♘c4+ 70 ♘f3 ♘b6 71 ♚f7 ♘b4 72 ♚c7 ♘a5
 73 ♘e3 ♚e8+ 74 ♘d4 ♘a6 75 ♘d3 ♚d8 76
 ♚f7 ½-½

Dappet — Much
 B09/37 7. e5

1 e4 d6 2 d4 ♘f6 3 ♘c3 g6 4 f4 ♗g7 5 ♘f3
 O-O 6 ♗d3 ♘c6 7 O-O e5 8 fxe5 dxe5 9 d5
 ♘b4 10 ♗e2 ♙e7 11 a3 ♘a6 12 ♗xa6 bxa6
 13 ♙e2 ♗b7 14 ♙c4 ♘g4 15 h3 ♘f6 16
 ♗e3 ♚fd8 17 ♗c5 ♙e8 18 ♚ae1 a5 19 ♙b5
 ♙xb5 20 ♘xb5 c6 21 ♘c7 ♚ac8 22 d6 ♗f8
 23 ♘xe5 ♚xd6 24 ♘xf7 ♚d7 25 ♗xf8 ♚dxc7
 26 ♘h6+ ♘xf8 27 ♘g4 ♘g7 28 ♘xf6 ♗a6 29
 ♚f4 ♚b7 30 b3 c5 31 ♘d5 c4 32 ♚f6 cxb3 33
 ♚xa6 bxc2 34 ♚c1 ♚b1 35 ♘h2 ♚xc1 36
 ♚xa7+ ♘h6 37 h4 ♚f1 38 ♘e3 c1 ♙ 39 ♘xf1
 ♙xf1 40 ♚d7 ♚c2 41 ♚xh7+ ♘xh7 0-1

Shess — Quest X
 C14/15 9. N:c5

1 e4 e6 2 d4 d5 3 ♘c3 ♘f6 4 ♗g5 ♗e7 5 e5
 ♘fd7 6 ♗xe7 ♙xe7 7 f4 O-O 8 ♘f3 c5 9
 dxc5 ♘xc5 10 ♘d4 ♘c6 11 ♘xc6 bxc6 12 b4
 ♘d7 13 b5 c5 14 ♗e2 d4 15 ♘e4 ♗b7 16
 ♙d3 ♘xe5 17 fxe5 ♙h4+ 18 ♘f2 ♗xg2 19
 ♚g1 ♙xh2 20 ♘d2 ♚fc8 21 c4 dxc3+ 22
 ♙xc3 ♚d8+ 23 ♘d3 ♚ac8 24 ♘e3 c4 25
 ♚xg2 ♙h3+ 26 ♘f2 cxd3 27 ♙e1 ♚c2 28
 ♘g1 dxe2 29 ♚xe2 ♚d4 30 ♚xc2 ♚g4+ 31
 ♙g3 ♚xg3+ 32 ♘f2 ♙h2+ 33 ♘e1 ♚g1#
 0-1

BP — Rex
 C34/05 8. O-O

1 e4 e5 2 f4 exf4 3 ♘f3 d6 4 ♗c4 h6 5 b3
 ♘c6 6 ♗b2 ♘f6 7 ♘c3 ♗e7 8 ♙e2 O-O 9
 O-O ♗g4 10 ♘d5 ♘xd5 11 exd5 ♘e5 12
 ♙e4 ♗xf3 13 gxf3 ♘xc4 14 ♙xc4 ♗f6 15
 ♗xf6 ♙xf6 16 ♘h1 ♚ac8 17 ♚ae1 c6 18 c3
 ♚fd8 19 ♚g1 cxd5 20 ♙xd5 ♚c6 21 ♙a5
 ♚a6 22 ♙d5 ♚xa2 23 ♚a1 ♚xa1 24 ♚xa1
 ♚e8 25 ♙xb7 ♙h4 26 ♚f1 ♙h3 27 ♙a6
 ♚e5 28 b4 h5 29 ♙c4 g6 30 ♙a6 ♘g7 31
 ♙c4 a5 32 b5 a4 33 b6 ♚c5 34 ♙d4+ f6 35
 ♙f2 ♚b5 36 ♚g1 ♚b2 37 ♙e2 ♘h6 38 ♙d3
 g5 39 ♚a1 d5 40 ♙xd5 ♚xb6 41 ♘g1 a3 42
 ♙d4 ♚c6 43 ♙f2 ♚a6 44 ♙e2 ♚b6 45 ♙d3
 ♙e6 46 ♘f2 ♚d6 47 ♙e2 ♙b3 48 ♙d1
 ♙b2 49 ♘e2 ♚xd2+ 50 ♙xd2 ♙xa1 51 ♙d8
 ♙xc3 52 ♙h8+ ♘g6 53 ♙e8+ ♘g7 54
 ♙e7+ ♘g8 55 ♙e8+ ♘h7 56 ♙f7+ ♘h6
 ½-½

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YI89 — Waycool
B33/31 14 c:d5

1 e4 c5 2 ♖f3 ♘c6 3 d4 cxd4 4 ♘xd4 ♖f6 5 ♘c3 e5 6 ♘db5 d6 7 ♗g5 a6 8 ♗xf6 gxf6 9 ♘a3 b5 10 ♘d5 f5 11 ♗d3 ♗e6 12 c4 ♗a5+ 13 ♗f1 ♗xd5 14 cxd5 fxe4 15 ♗xe4 ♘e7 16 ♘c2 ♗c8 17 h4 ♗a4 18 ♗e2 ♗c4 19 ♘e1 ♗h6 20 ♗xc4 ♗xc4 21 ♗c2 ♗d4 22 a4 b4 23 ♗b3 ♗d2 24 ♗b1 e4 25 ♘c2 ♘xd5 26 ♗xd5 ♗xd5 27 ♘xb4 ♗d4 28 ♘xa6 ♗xa4 29 ♘c7+ ♗d7 30 ♘d5 ♗e6 31 ♘c7+ ♗e5 32 ♗d1 ♗c4 33 ♗d5+ ♗f6 34 ♗h3 ♗c1+ 35 ♗e2 ♗f4 36 ♗c3 ♗c8 37 ♗xc1 ♗xc1 38 ♗xd6+ ♗e7 39 ♗c6 ♗d7 40 ♗xc1 ♗xc7 41 ♗xc7+ ♗xc7 42 ♗e3 ♗b6 43 ♗xe4 ♗c5 44 ♗e5 1-0

Pandix — Kallisto
A06/02 2. Nc6

1 ♖f3 d5 2 b3 ♘c6 3 e3 e5 4 d4 ♗g4 5 dxe5 ♘xe5 6 ♗e2 ♗xf3 7 gxf3 ♖f6 8 f4 ♘c6 9 O-O ♗c5 10 ♗f3 O-O 11 ♘c3 ♘e7 12 ♗b2 c6 13 ♘a4 ♗d6 14 ♗xf6 gxf6 15 c4 dxc4 16 bxc4 f5 17 ♗d2 ♘g6 18 ♗ad1 ♗e7 19 ♗c2 ♗c8 20 ♗b2 b6 21 ♗c2 ♘h4 22 ♗h5 ♗e6 23 ♗h1 ♗ad8 24 ♗g1+ ♘g6 25 ♗xd8 ♗xd8 26 ♗f3 ♗f6 27 ♗e2 ♗h8 28 ♘c3 ♗g7 29 ♗d3 ♘e7 30 ♗d1 h6 31 ♘e2 c5 32 ♗b1 ♗c6+ 33 ♗g1 ♗e6 34 a3 ♘g6 35 a4 ♘h4 36 ♗c2 ♗c6 37 ♗e4 ♗xd1+ 38 ♗xd1 fxe4 39 ♗d8+ ♗h7 40 ♗xh4 ♗xa4 41 ♘g3 ♗xc4 42 ♗e7 a5 43 ♘xe4 ♗d3 44 f5 ♗d1+ 45 ♗g2 ♗d5 46 ♗f1 ♗xf5 47 ♘d6 ♗h3+ 48 ♗g1 ♗g4+ 49 ♗f1 ♗d1+ 50 ♗g2 ♗g4+ 51 ♗f1 ♗h3+ 52 ♗g1 ♗g4+ 53 ♗f1 ♗d1+ ½-½

Centaur — Moby
B50/03 4 e5

1 e4 c5 2 ♖f3 d6 3 c3 ♖f6 4 e5 dxe5 5 ♘xe5 ♘c6 6 ♘xc6 bxc6 7 ♗c4 ♗f5 8 d3 ♗d6 9 ♗f1 ♗d8 10 ♗e2 e6 11 g3 ♘g4 12 ♗f4 e5 13 ♗g5 f6 14 ♗e3 ♘xe3 15 ♗xe3 e4 16 g4 ♗e6 17 ♗xe6 ♗xe6 18 d4 cxd4+ 19 cxd4 ♗c5 20 ♗b3 ♗xg4 21 ♗d2 ♗xd4 22 ♗e1 ♗xb2 23 ♗c2 ♗d6 24 ♘d2 ♗xa1 25 ♘c4 ♗c3+ 26 ♗f1 ♗d1+ 27 ♗xd1 ♗xd1+ 28 ♗g2 ♗f3+ 29 ♗g1 O-O 30 h3 ♗b8 31 ♘e3 ♗b1+ 0-1

Round 5

Hitech — Deep Thought
D02/13 4. Nc6

1 d4 d5 2 ♖f3 ♖f6 3 ♗f4 e6 4 e3 ♘c6 5 ♘bd2 ♗e7 6 h3 O-O 7 ♗e2 ♘h5 8 ♗h2 g6 9 O-O f5 10 ♗e5 ♘xe5 11 ♘xe5 ♖f6 12 c4 c5 13 ♘df3 ♗d6 14 a3 ♗c7 15 ♗c1 a5 16 ♗b3 b6 17 ♗a4 ♗b7 18 ♗c2 ♗h8 19 cxd5 ♗xd5 20 ♗d1 ♗ad8 21 ♗b5 ♘e4 22 ♘d7 ♗g8 23 ♘fe5 ♗g7 24 ♗d3 ♗e7 25 ♗d1 h5 26 ♗dc1 ♗g5 27 ♗e1 ♗h4 28 ♗f1 ♗e7 29 ♗fc1 g5 30 f3 ♖f6 31 ♗f1 g4 32 hxg4 hxg4 33 f4 ♗e4 34 ♗d2 ♘d5 35 ♗e2 ♗h7 36 ♗ee1 ♘xe3+ 37 ♗g1 ♘d5 38 ♘g6+ ♗g7 39 ♘xe7 ♗xf4 40 ♘xf5+ exf5 41 ♗xe4 ♗xc1+ 42 ♗f1 fxe4 43 ♗b3 ♗h1+ 44 ♗xh1 ♗xf1+ 45 ♗h2 ♗h8+ 46 ♗h3 g3+ 47 ♗xg3 ♗f4# 0-1

Bebe — Merlin
C43/08 9. Be6

1 e4 e5 2 ♖f3 ♖f6 3 d4 ♘xe4 4 ♗d3 d5 5 ♘xe5 ♗d6 6 O-O O-O 7 c4 ♗xe5 8 dxe5 ♘c6 9 ♗f4 ♗e6 10 cxd5 ♗xd5 11 ♗c2 ♘b4 12 ♗xd5 ♗xd5 13 ♗xe4 ♗xe4 14 ♘c3 ♗f5 15 b3 ♘d3 16 ♗g3 c6 17 f4 ♗fd8 18 ♗ad1 ♗d7 19 h3 ♗d4 20 ♘e2 ♗d5 21 ♗h4 ♗e8 22 g4 ♗e6 23 ♘c3 ♗d7 24 f5 ♘xe5 25 fxe6 fxe6 26 ♗g3 ♘d3 27 ♗fe1 a5 28 ♗e3 ♘c5 29 ♗xd7 ♘xd7 30 ♘e4 ♖f8 31 ♘d6 ♗e7 32 ♗f2 b6 33 ♘c4 ♗d7 34 ♘xb6 ♗d2+ 35 ♗f3 ♗xa2 36 ♗e4 ♘g6 37 ♗d4 ♗f7 38 ♗c5 h5 39 gxf5 ♘e7 40 ♗e5 ♗f2 41 ♗g3 ♖f5 42 ♗d3 ♗c2+ 43 ♘c4 ♗e8 44 ♗xg7 ♖xg7 45 h6 ♗g2 46 ♗b6 ♗g5 47 hxg7 ♗xg7 48 ♗xc6 ♗a7 49 ♘d6+ ♗f8 50 ♗f3+ ♗g8 51 ♗e3 a4 52 ♘b5 ♗a6+ 53 ♗b7 ♗a5 54 ♗b6 ♗a8 55 bxa4 ♗xa4 56 ♘c7 ♗h4 57 ♘xe6 ♗c4 58 ♗b5 ♗c1 59 ♘c5 ♗b1+ 60 ♗c6 ♗h1 61 ♗d5 ♗g7 62 ♘e6+ ♗h6 63 ♗g3 ♗d1+ 64 ♗e5 ♗h1 65 ♘f4 ♗h7 66 ♗f5 ♗b1 67 ♗e3 ♗b7 68 ♗e4 ♗b5+ 69 ♗e5 ♗b8 70 h4 ♗g7 71 ♗g5 ♗b1 72 ♗e7+ ♗f8 73 ♗a7 ♗e8 74 h5 ♗g1+ 75 ♗f6 ♗f1 76 ♗a4 ♗d7 77 h6 ♗c6 78 h7 ♗h1 79 ♗g7 ♗b5 80 ♗e4 ♗c5 81 ♗e5+ 1-0

Cray Blitz — Much
B08/08 7 Bg5

1 e4 d6 2 d4 ♖f6 3 ♘c3 g6 4 ♖f3 ♗g7 5 ♗c4 c6 6 ♗e2 O-O 7 ♗g5 b5 8 ♗d3 ♗c7 9 e5 dxe5 10 ♗xe5 ♗d8 11 ♗f4 ♘a6 12 a4 b4

13 ♖e2 ♘d5 14 ♗g3 h6 15 ♙d2 ♙b7 16 ♗h4 e6 17 ♗h3 h5 18 O-O c5 19 c3 bxc3 20 bxc3 cxd4 21 ♘fd4 ♘dc7 22 f4 ♖c8 23 ♖ab1 ♘c5 24 ♖fd1 a6 25 ♙c2 ♖e8 26 ♙c1 ♙d5 27 ♙a3 ♘d7 28 ♙d6 e5 29 ♘f3 exf4 30 ♘xf4 ♙a2 31 ♖b2 ♙e6 32 ♘xe6 ♘xe6 33 ♙e5 ♗e7 34 ♙xg7 ♗xg7 35 ♘d4 ♘g5 36 ♗g3 ♘e5 37 h4 ♘c4 38 ♖bb1 ♗e3+ 39 ♗xe3 ♘xe3 40 hxg5 ♘xd1 41 ♖xd1 ♖xc3 42 ♙d3 ♖e5 43 ♙xa6 ♖xg5 44 ♙b5 ♖a3 45 ♖d2 ♖d5 46 ♗f2 ♗f6 47 ♙c6 ♖c5 48 ♗g1 ♗e5 49 ♙b5 f6 50 ♘c6+ ♗e4 51 ♖d6 ♖c1+ 52 ♗h2 ♗f5 53 ♘d8 ♖c7 54 ♙d3+ ♗e5 55 ♖e6+ ♗d5 56 ♙e4+ ♗c4 57 ♙c6 ♖c8 58 ♘b7 ♖f8 59 ♘d6+ ♗b4 60 ♘e8 ♖a2 61 ♘f6 ♖c8 62 ♙b5 ♖d8 63 ♘d7 g5 64 ♖e4+ ♗c3 65 ♖c4+ ♗b3 66 ♖c5 ♖d2 67 ♘f6 h4 68 ♘e4 ♖d1 69 ♘xg5 ♖a1 70 ♘f3 ♖h8 71 ♖c4 ♖a2 72 ♖xh4 ♖xh4+ 73 ♘h4 1-0

Mephisto X — Zarkov
E35/03 6. O-O

1 c4 ♘f6 2 ♘c3 e6 3 d4 ♙b4 4 ♗c2 d5 5 cxd5 exd5 6 ♙g5 O-O 7 e3 h6 8 ♙h4 ♘c6 9 ♙b5 ♙d7 10 ♘ge2 a6 11 ♙d3 ♙e6 12 O-O ♙d6 13 a3 ♖e8 14 ♖ac1 ♖b8 15 h3 ♖a8 16 ♘a4 ♗e7 17 ♙g3 ♙xg3 18 ♘xg3 ♘d7 19 ♘c3 ♗g5 20 ♘ce2 ♘f6 21 ♗h1 ♙d7 22 ♗b3 ♖ab8 23 ♖c5 ♗h8 24 ♘g1 h5 25 ♘f3 ♗h6 26 ♗c2 ♖bc8 27 ♘e2 ♖a8 28 ♘f4 ♖ed8 29 ♘xd5 b6 30 ♘xb6 cxb6 31 ♖xc6 ♙xc6 32 ♗xc6 b5 33 ♘e5 ♖a7 34 ♖c1 ♖b8 35 ♗d6 ♖e8 36 ♖c7 ♖xc7 37 ♗xc7 ♖xe5 38 dxe5 ♘g8 39 ♗xf7 h4 40 ♗e8 g5 41 e6 1-0

Fidelity X — Novag X
C78/01 8. Bd7

1 e4 e5 2 ♘f3 ♘c6 3 ♙b5 a6 4 ♙a4 ♘f6 5 ♘c3 ♙c5 6 O-O b5 7 ♙b3 d6 8 d3 ♙d7 9 ♙g5 h6 10 ♙h4 O-O 11 ♗c1 ♘a5 12 ♘d5 ♗h7 13 ♗d2 ♘xb3 14 axb3 ♙g4 15 b4 ♙a7 16 ♗h1 ♙xf3 17 ♘xf6+ gxf6 18 gxf3 ♖g8 19 ♖xa6 ♗c8 20 ♖fa1 ♙xf2 21 ♖xa8 ♗xa8 22 ♗c1 ♗c8 23 ♙xf2 ♗h3 24 ♙g3 ♖xg3 25 ♗f1 ♗h5 26 ♖a8 ♗xf3+ 27 ♗xf3 ♖xf3 28 ♗g2 ♖f4 29 ♖c8 f5 30 exf5 ♖xb4 31 ♖xc7 ♗g7 32 b3 ♗f6 33 ♖b7 d5 34 ♗g3 ♖d4 35 ♖xb5 ♗xf5 36 ♖a5 e4 37 dxe4+ ♗xe4 38 ♖a4 ♗e3 39 ♖xd4 ♗xd4 40 ♗f4 ♗c3 41 ♗e5 d4 42 b4 ♗xb4 43 ♗xd4 f6 44 c3+ ♗a4 45 ♗d5 f5 46 ♗e5 f4 47 ♗xf4 ♗b3 48 ♗g4 ♗xc3 49 ♗h5 ♗d4 50 ♗xh6 ♗e5 51 ♗g6 ♗e6 52 h4 ♗e7 53 ♗g7 ♗e6 54 h5 ♗f5 55

h6 1-0

Sun Phoenix — Y!89
A29/19 16 c:d5

1 c4 e5 2 ♘c3 ♘f6 3 g3 ♙b4 4 ♙g2 O-O 5 ♘f3 ♘c6 6 O-O e4 7 ♘e1 ♙xc3 8 dxc3 h6 9 ♘c2 ♖e8 10 ♘e3 d6 11 ♗c2 b6 12 ♖d1 a5 13 b3 ♖b8 14 a4 ♘e5 15 ♘d5 ♘xd5 16 cxd5 f5 17 c4 ♙d7 18 ♙b2 ♗g5 19 ♗c3 ♘g4 20 ♖e1 ♖e7 21 f4 ♗g6 22 e3 h5 23 b4 axb4 24 ♗xb4 h4 25 gxh4 ♗h5 26 h3 ♘f6 27 a5 ♗xh4 28 ♙d4 ♙c8 29 axb6 ♘d7 30 ♖eb1 ♘xb6 31 c5 ♘d7 32 ♗xb8 ♘xb8 33 ♖xb8 ♖e8 34 ♖aa8 ♗d8 35 ♖xc8 ♗xc8 36 ♖xc8 ♖xc8 37 cxd6 cxd6 38 ♗f2 ♖c2+ 39 ♗g3 ♖a2 40 ♙f1 ♗h7 41 ♙b5 g6 42 ♗h4 ♗h6 43 ♙d7 ♖a8 44 ♙e6 ♖b8 45 ♗g3 ♖b5 46 ♙f7 ♗h5 47 h4 ♖a5 48 ♙e6 ♖a2 49 ♙d7 ♖a5 50 ♙c6 ♖a2 51 ♙b5 ♗h6 52 ♙f6 ♖d2 53 ♙c4 ♖c2 54 ♙a6 ♖a2 55 ♙b7 ♗h5 56 ♙d4 ♖a3 57 ♗h3 ♖a5 58 ♙c6 ♖a3 59 ♙b5 ♖a2 60 ♙c4 ♖c2 61 ♙f1 ♖f2 62 ♙a6 ♖c2 63 ♗g3 ♗h6 64 ♙f1 ♖a2 65 ♙b5 ♖c2 66 ♙a6 ♖a2 67 ♙b7 ♗h5 68 ♙c6 ♗h6 69 ♙d7 ♗h5 70 ♙e8 ♖a5 71 ♙f7 ♖a3 72 ♗h2 ♖a2+ 73 ♗h3 ♖f2 74 ♙e8 ♖f3+ 75 ♗g2 ♗xh4 76 ♙b5 ♖g3+ 77 ♗f2 ♗h3 ½-½ adjudicated

AI Chess — Rebel X
B13/01 4 Nf3

1 d4 c6 2 e4 d5 3 exd5 cxd5 4 ♘f3 ♘f6 5 ♘e5 ♘bd7 6 ♙b5 a6 7 ♙a4 e6 8 ♘d2 b5 9 ♙b3 ♙d6 10 ♘df3 ♙b7 11 ♙g5 ♗c7 12 ♘d3 ♘e4 13 ♙h4 O-O 14 O-O ♖fc8 15 a4 bxa4 16 ♙xa4 ♘b6 17 ♙b3 f6 18 ♖e1 ♘c4 19 c3 e5 20 dxe5 fxe5 21 ♖a4 ♘c5 22 ♖xc4 dxc4 23 ♙xc4+ ♗h8 24 ♘fxe5 h6 25 ♗h5 ♘e4 26 ♘g6+ ♗h7 27 ♗f5 ♗xc4 28 ♘ge5+ ♗h8 29 ♘xc4 ♖xc4 30 ♗f7 ♖c7 31 ♗e6 ♖ac8 32 ♖xe4 ♙xe4 33 ♗xe4 ♖c4 34 ♗b7 ♖b8 35 ♗xa6 ♙xh2+ 36 ♗xh2 ♖xh4+ 37 ♗g1 ♖e4 38 b4 ♖be8 39 c4 ♖8e6 40 ♗a8+ 1-0

Quest X — Pandix
C32/05 8 Bc4

1 e4 e5 2 f4 d5 3 exd5 e4 4 d3 ♘f6 5 ♘d2 exd3 6 ♙xd3 ♗xd5 7 ♘g3 ♘c6 8 ♙c4 ♗f5 9 ♘g5 ♙e6 10 ♘xe6 fxe6 11 ♘f1 ♗e4+ 12 ♗e2 ♗xe2+ 13 ♙xe2 O-O-O 14 c3 ♗b8 15 ♙e3 ♘a5 16 g3 c5 17 ♘d2 h5 18 ♘f3 ♙e7 19 ♘e5 ♖hg8 20 O-O ♘d5 21 ♙d2 g6 22 c4 ♘b4 23 ♖ad1 ♘ac6 24 ♙xb4 cxb4 25 ♖xd8+

♖xd8 26 ♜xc6† bxc6 27 ♖f3 ♖b6† 28 ♜h1
 ♜c7 29 ♖d1 a5 30 h4 ♖c5 31 b3 ♖d6 32
 ♜g2 e5 33 c5 ♖xc5 34 ♖c1 ♜b6 35 fxe5 g5
 36 hxg5 ♖xg5 37 ♖e1 ♖e7 38 ♖e4 h4 39 g4
 ♖g8 40 ♖e2 ♖h8 41 ♜h3 ♜c7 42 ♖e4 ♖h6
 43 ♖b1 ♖h8 44 ♖f2 ♖h6 45 ♖f5 ♖g6 46 ♖f7
 ♖e6 47 g5 ♖xe5 48 ♜xh4 ♜b6 49 ♖f5 ♖d8
 50 ♜g4 ♖e1 51 g6 ♖g1† 52 ♜h3 ♖c7 53 g7
 ♖e5 54 ♖g4 ♖xg7 55 ♖xg7 ♖h1† 56 ♜g3
 ♖g1† 57 ♜f4 ♖g2 58 ♜e4 ♖xa2 59 ♜d3
 ♖g2 60 ♖g8 ♖g3† 61 ♜c2 ♖g2† 62 ♜b1
 ♖g1† 63 ♜b2 ♖g2† 64 ♜c1 ♖g1† 65 ♜d2
 ♖g2† 66 ♜d1 ♖g3 67 ♖e6 ♖xg8 68 ♖xg8
 ♜b5 69 ♖c4† ♜c5 70 ♖f1 ♜d4 71 ♜c2
 ♜e3 72 ♖a6 c5 73 ♜b1 ♜e4 74 ♜c1 ♜e3
 75 ♜c2 ♜e4 76 ♜b1 ♜e5 77 ♜b2 ♜d4 78
 ♖b5 ♜e3 79 ♜c1 ♜d4 80 ♜d2 ♜e4 81
 ♜c2 ♜e3 82 ♜b1 ♜d4 83 ♜a1 ♜c3 84
 ♜a2 ♜c2 85 ♖d7 ♜c3 86 ♖e6 ♜c2 87 ♜a1
 ♜c1 88 ♖f7 ½-½

Moby — BP
C42/11 10 Ne4

1 e4 e5 2 ♜f3 ♜f6 3 ♜xe5 d6 4 ♜f3 ♜xe4 5
 ♜e2 ♜e7 6 d3 ♜f6 7 ♖g5 ♜xe2† 8 ♖xe2
 ♖e7 9 ♜c3 c6 10 ♜e4 ♜xe4 11 dxe4 ♖e6 12
 ♖xe7 ♜xe7 13 ♜g5 ♜d7 14 ♜xe6 fxe6 15
 O-O-O ♖af8 16 f3 h5 17 ♖d3 ♜e5 18 ♖a3
 a6 19 ♖b3 b5 20 ♖a3 ♖a8 21 ♖d1 ♖hf8 22
 ♖c3 b4 23 ♖b3 a5 24 g3 g5 25 a3 c5 26 ♖e3
 ♖ab8 27 ♖f1 ♖h8 28 a4 ♖bg8 29 ♖d1 ♖f8
 30 ♖f1 ♖f7 31 f4 ♖hf8 32 ♖g1 gx4 33 gx4
 ♖xf4 34 ♖xh5 ♖h8 35 ♖h3 ♖xe4 36 ♖f1 ♖e2
 37 ♖xe2 ♖xh3 38 ♖f2 d5 39 ♜d1 c4 40 ♜c1
 ♜d6 41 ♜d1 d4 42 ♖f1 ♜g4 43 ♖d2 ♜e3†
 44 ♜e1 ♖h4 45 ♖f2 c3 46 bxc3 bxc3 47 ♖d3
 e5 48 ♖a6 ♖e4 49 ♖d3 ♜xc2† 0-1

Rex — Kallisto
C68/19 7. Bc5

1 e4 e5 2 ♜f3 ♜c6 3 ♖b5 a6 4 ♖xc6 dxc6 5
 O-O ♖g4 6 h3 ♖xf3 7 ♜xf3 ♖c5 8 ♜g3
 ♜f6 9 d3 h5 10 ♜c3 h4 11 ♜g4 ♜h6 12
 ♜g5 ♜g8 13 ♜xf6 ♜xf6 14 ♜a4 ♖e7 15 f4
 ♖d6 16 d4 exd4 17 e5 b5 18 exd6 bxa4 19
 ♖e1† ♜f8 20 dxc7 ♖c8 21 b4 ♜d5 22 ♖d1
 ♜xb4 23 ♖a3 c5 24 ♖xb4 cxb4 25 ♖xd4 a5
 26 ♖ad1 g6 27 ♖d8† ♜e7 28 ♖1d7† ♜e6 29
 ♖d5 ♜e7 30 ♖xh8 ♖xh8 31 ♖xa5 ♖c8 32
 ♖a7 a3 33 ♖b7 f6 34 ♜f2 ♜d6 35 ♖xb4
 ♖xc7 36 ♖d4† ♜e6 37 c4 ♖b7 38 ♖d3 ♖b2†
 39 ♜f3 ♖xa2 40 c5 f5 41 ♖d6† ♜f7 42 ♖d7†
 ♜f6 43 ♖a7 ♖a1 44 c6 ♖c1 45 c7 a2 46 ♖xa2

Garth E. Courtois Jr.: The Sixth World Computer-Chess Championship (Edmonton – Canada)
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♖xc7 47 ♖a6† ♜f7 48 ♖a3 ♜f6 49 ♖b3 ♖a7
 50 ♖b6† ♜f7 51 ♖b2 ♜g7 ½-½

Dappet — Shess
C54/16 13. Qd6

1 e4 e5 2 ♜f3 ♜c6 3 ♖c4 ♖c5 4 c3 ♜f6 5 d4
 exd4 6 cxd4 ♖b4† 7 ♖d2 ♖xd2† 8 ♜bxd2 d5
 9 exd5 ♜xd5 10 ♜b3 ♜ce7 11 O-O O-O 12
 ♖fe1 c6 13 a4 ♜d6 14 ♜e4 ♜c7 15 ♖ac1
 ♜f4 16 g3 ♜f5 17 ♜d6 ♜f6 18 ♜xc8 ♖xc8
 19 ♜e5 ♖c7 20 f4 ♖d8 21 ♜d3 ♖cc8 22
 ♜g4 ♜d6 23 ♜e4 a6 24 ♜e5 b5 25 axb5
 axb5 26 ♖b3 h5 27 ♖c2 f5 28 ♜e2 g6 29
 ♜f2 ♜g7 30 ♖c5 ♜f6 31 g4 hxg4 32 ♖xd5
 ♜xd5 33 ♜xc6 ♜xf4 34 ♜h4† g5 35 ♖xf5†
 ♜xf5 36 ♜h7† ♜f6 37 ♜h6† ♜g6 1-0 time

Waycool — Centaur
B01/14 5 Bc4

1 e4 d5 2 exd5 ♜xd5 3 ♜c3 ♜a5 4 d4 ♜f6
 5 ♖c4 ♜b4 6 ♜d3 e6 7 ♜f3 ♖d6 8 a3 ♜a5
 9 ♖d2 ♜g4 10 ♜d5 ♜a4 11 ♖b5† ♜xb5 12
 ♜xc7† ♖xc7 13 ♜xb5† ♜d7 14 O-O O-O
 15 ♜h1 ♜df6 16 ♖ae1 ♖d8 17 h3 ♜h6 18
 ♖xh6 gxh6 19 c4 ♜g7 20 ♖g1 ♜g8 21 ♜b4
 ♜g7 22 ♜e7 ♖d7 23 ♜c5 ♖d6 24 ♜b5
 ♖d8 25 b4 ♖c7 26 a4 ♜f8 27 ♖e2 ♜g8 28
 ♖f1 ♖f4 29 ♖d1 b6 30 ♜e5 ♖b8 31 ♖d3
 ♖d6 32 ♜g4 ♜xg4 33 ♜e8† ♜g7 34 hxg4
 a6 35 b5 axb5 36 axb5 ♖a8 37 ♖e1 ♖d7 38
 d5 exd5 39 ♖d4 ♖d6 40 ♖xd5 ♖b8 41 ♜e3
 f6 42 ♖xd6 1-0