

NEWS, INFORMATION, TOURNAMENTS AND REPORTS

THE 11th WORLD COMPUTER-CHESS CHAMPIONSHIP

Graz, Austria
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The 11th World Computer-Chess Championship took place in Graz, Austria from November 22 to 30, 2003. The event was held in *Dom im Berg* (Dome in the mountain), a breathtaking hall within the Schlossberg mountain, which provided excellent playing conditions and ample room for the participants and the many spectators. The friendly atmosphere, together with the excellent organization of the event, turned it into a most interesting and enjoyable experience. This is the place to acknowledge the three main sponsors who made all the ICGA manifestations held in Graz (namely the 11th World Computer-Chess Championship, the 8th Computer Olympiad, and the 10th Advances in Computer Games Conference) to a great success: Pro:Holz, The Casino Graz, and Fujitsu Siemens. Moreover, I am sure that the participants will concur with me when thanking Professor Jungwirth, Walter Kastner, and Joke Hellemons for the excellent organization and their splendid performance in hosting the three events.

The tournament format was 11 rounds Swiss (no accelerated pairing), and the rate of play was 2 hours for 60 moves, plus 30 minutes for the rest of the game. Jaap van den Herik served as the Tournament Director, and Ernst Heinz as the Assistant Tournament Director.

A total of 16 programs participated from different countries, amongst them DEEP JUNIOR, the defending champion, SHREDDER, topping the SSDF rating list, and FRITZ, fresh from its match against Kasparov. Two interesting programs running on unconventional hardware were BRUTUS, based on field programmable gate arrays (FPGA), and DIEP, running on a 512-processor supercomputer. The other participants were CHINITO, DEEP SJENG, FALCON, GREEN LIGHT CHESS, HOSSA, JONNY, LIST, NEXUS, PARSOS, QUARK, and RUY LOPEZ (see Table 1).

After 11 rounds, SHREDDER and FRITZ tied for the first place with 9.5 points each (see Table 2). SHREDDER won the title of 2003 World Computer-Chess Champion after achieving a draw and a victory in a two game play-off match (game in 60 minutes) against FRITZ. SHREDDER also won the title of 2003 World Computer Speed Chess Champion after finishing first in the speed chess championship (see Table 3).

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The general quality of the games was much higher than that of the previous years. The quality and depth of opening book preparation of some programs were also impressive. And as one might expect as a result of such an extensive opening book preparation, many games were decided already in the opening phase.

November 22: Round 1

The first round started shortly after the players meeting. The major upset of round one was the defending champion's loss to RUY LOPEZ. DEEP JUNIOR, with white pieces, handled the opening very well, and went on to reach a clear advantage. But starting from move 31, DEEP JUNIOR's advantage gradually faded away, ultimately losing the game.

The other favourites won their games without much trouble. In a very tactical game SHREDDER defeated LIST with a direct king attack, while FRITZ smoothly defeated FALCON in a positional game, after emerging with a comfortable advantage out of opening. Both BRUTUS and DIEP managed to win their games by skillful maneuvering in endgame.

Program	Author	Country	Opening Book
BRUTUS	Chrilly Donniger	Austria	Alexander Kure
CHINITO	Eugenio Castillo, Pascal Tang	Spain/France	Own book
DEEP JUNIOR	Amir Ban, Shay Bushinsky	Israel	Boris Alterman
DEEP SJENG	Gian-Carlo Pascutto	Belgium	Jeroen Noomen
DIEP	Vincent Diepeveen	The Netherlands	Arturo Ochoa
FRITZ	Frans Morsch, Mathias Feist	The Netherlands	Alexander Kure
FALCON	Omid David Tabibi	Israel	Own book
GREEN LIGHT	Tim Foden	UK	Own book
HOSSA	Steffen Jacob	Austria	Own book
JONNY	Johannes Zwanzger	Germany	Own book
NEXUS	Ralf Dorr	Germany	Own book
PARSOS	Rudolf Huber	Germany	Own book
QUARK	Thomas Mayer	Germany	Leo Dijksman
RUY LOPEZ	Jose Manuel Moran, Alvaro Begue	Spain	Own book
SHREDDER	Stefan Meyer-Kahlen	Germany	Sandro Necchi

Table 1: The participants of the 11th World Computer-Chess Championship.

DEEP JUNIOR - RUY LOPEZ (Round 1, ECO C96)

1. e4 e5 2. Nf3 Nc6 3. Bb5 a6 4. Ba4 Nf6 5. O-O Be7 6. Re1 b5 7. Bb3 d6 8. c3 O-O 9. h3 Na5 10. Bc2 c5 11. d4 cxd4 12. cxd4 Bb7 13. Nbd2 exd4 14. Nxd4 Re8 15. b4 Nc6 16. Nxc6 Bxc6 17. Nf3 d5 18. e5 Ne4 19. a3 a5 20. Rb1 axb4 21. axb4 Qb6 22. Be3 Qc7 23. Qd4 Ra3 24. Ra1 Rea8 25. Rxa3 Rxa3 26. Qb2 Ra6 27. Rc1 h6 28. Qb3 Qb7 29. Nd4 Bd7 30. f3 Ng5 31. Qd3 Bxb4 32. h4 Ra3 33. Nb3 Ne6 34. Qh7+ Kf8 35. Nd4 Nxd4 36. Bxd4 Qc7 37. e6 Bxe6 38. Bxg7+ Ke7 39. Bxh6 Bc5+ 40. Kh1 Be3 41. Re1 Bxh6 42. Qxh6 Qg3 43. Qd2 Qxh4+ 44. Kg1 Ra2 45. Rc1 Qc4 46. Kh1 Kd7 47. f4 Bg4 48. f5 Be2 49. f6 Kd6 50. Kh2 Kc7 51. Kg3 Kb7 52. Qg5 Qc3+ 53. Kh2 Qc7+ 54. Kh1 Rxc2 55. Qxd5+ Kb6 56. Qd4+ Rc5 57. Re1 Bc4 58. Kg1 Bd5 59. Rc1 Qd6 60. Qe3 Bb7 61. Rf1 Qd5 62. Qf2 b4 0-1

LIST - SHREDDER (Round 1, ECO B23)

1. e4 c5 2. Nc3 e6 3. d4 cxd4 4. Qxd4 Nc6 5. Qa4 Bc5 6. Nb5 Nf6 7. e5 Nxe5 8. Bf4 Nfg4 9. Nh3 f6 10. Be2 h5 11. Bxg4 hxg4 12. Bxe5 fxe5 13. Qxg4 O-O 14. O-O-O d5 15. Rhf1 Bd7 16. Nc3 Rc8 17. Kb1 Bd4 18. Ne2 Bxb2 19.

Kxb2 Qb6+ 20. Kc1 Qa6 21. Rd2 Rc4 22. Qg6 Be8 23. Qd3 Qxa2 24. Kd1 Qa1+ 25. Nc1 Ba4 26. Qg6 Rf6 27. Qg5 Rf5 28. Qe3 Qb2 29. Qe2 e4 30. f4 e3 31. Qxe3 Bxc2+ 32. Ke2 Re4 0-1

FRITZ - FALCON (Round 1, ECO E66)

1. Nf3 Nf6 2. g3 g6 3. Bg2 Bg7 4. O-O O-O 5. d4 d6 6. c4 Nc6 7. Nc3 a6 8. d5 Na5 9. Nd2 c5 10. Qc2 Rb8 11. b3 b5 12. Rb1 bxc4 13. bxc4 Rxb1 14. Ncxb1 e6 15. Bb2 exd5 16. cxd5 Re8 17. e4 Ng4 18. Bxg7 Kxg7 19. h3 Nh6 20. f4 f6 21. Rf3 Bd7 22. Ra3 Bb5 23. Qc3 Nb7 24. Nc4 Qe7 25. Nbd2 Nd8 26. Rb3 Ndf7 27. Na3 Bd7 28. Rb6 Bc8 29. Nac4 Rd8 30. Na5 Qe8 31. Nc6 Rd7 32. Nc4 Rb7 33. Rxb7 Bxb7 34. g4 Ng8 35. g5 Bxc6 36. dxc6 Kf8 37. c7 Qd7 38. Qa5 fxe5 39. Qb6 Ne7 40. Qb8+ Kg7 41. Nb6 Qb5 42. Nd5 Qe2 43. Bf1 Qd2 1-0

November 23: Rounds 2 and 3

In one of the most interesting games of the second round, FRITZ with black pieces managed to defeat DEEP SJENG in a sharp Sicilian Najdorf by building up a devastating attack on DEEP SJENG's long castled King. The game PARSOS vs. DEEP JUNIOR featured slow maneuvers by both sides after the Queens were exchanged in the 8th move. DEEP JUNIOR ultimately managed to penetrate White's position by doubling its Rooks along the d-file. BRUTUS and SHREDDER also managed to win their games against RUY LOPEZ and DIEP respectively.

FRITZ vs. SHREDDER was the highlight of the third round. FRITZ managed to achieve a satisfactory position out of the opening, having a passed Pawn on c6 in the 17th move. The interesting endgame was handled very well by FRITZ, which won the game after 80 moves. In other games of round three, BRUTUS defeated JONNY after getting a clear advantage already in the 12th move, and DEEP JUNIOR defeated LIST in a tactical Sicilian Dragon. DIEP managed to win a Pawn against FALCON, but the game ended in a draw after 70 moves.

At the end of the second day, FRITZ and BRUTUS shared the lead with 3 points each.

DEEP SJENG - FRITZ (Round 2, ECO B99)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Bg5 e6 7. f4 Be7 8. Qf3 Qc7 9. O-O-O Nbd7 10. g4 b5 11. Bxf6 Nxf6 12. g5 Nd7 13. f5 Nc5 14. f6 gxf6 15. gxf6 Bf8 16. Rg1 h5 17. a3 Qb6 18. Be2 b4 19. axb4 Qxb4 20. Na2 Qb6 21. c3 Rb8 22. b4 Bd7 23. Kb1 a5 24. Rge1 axb4 25. cxb4 Ba4 26. Rd2 Nd7 27. Bd1 Bxd1 28. Rxd1 Rh6 29. Rc2 Rxf6 30. Qxh5 Ne5 31. Qh3 Bg7 32. Qe3 Rg6 33. h3 Nd7 34. Re2 Qa6 35. Rb2 Ne5 36. b5 Nc4 37. bxa6 Rxb2+ 38. Ka1 Rgg2 39. Nc1 Nxe3 40. a7 Nxd1 41. a8=Q+ Ke7 42. e5 dxe5 43. Nc6+ Kd6 44. Qd8+ Kxc6 45. Qc8+ Kd5 0-1

PARSOS - DEEP JUNIOR (Round 2, ECO E92)

1. c4 g6 2. d4 Nf6 3. Nf3 Bg7 4. Nc3 O-O 5. e4 d6 6. Be2 e5 7. dxe5 dxe5 8. Qxd8 Rxd8 9. Bg5 Nbd7 10. Rd1 Rf8 11. O-O h6 12. Be3 b6 13. Ne1 Bb7 14. f3 Rfd8 15. Nd3 Bf8 16. Rd2 Kg7 17. Rfd1 Be7 18. Bf1 a5 19. g3 a4 20. Bh3 Ba6 21. Nf2 Bd6 22. Nb5 Bxb5 23. cxb5 g5 24. Kh1 Re8 25. Rc2 Nc5 26. Bd2 a3 27. b4 Ne6 28. Bxe6 Rxe6 29. Rc4 Ree8 30. g4 Nd7 31. Kg2 Nf8 32. Nh1 Rad8 33. Be3 Ne6 34. Ng3 Bf8 35. Nf5+ Kg6 36. Rh1 Rd7 37. h4 Nf4+ 38. Kg3 Red8 39. Rh2 Nd3 40. Bd2 f6 41. Bc3 Nf4 42. Rc6 Kf7 43. hxg5 hxg5 44. Ne3 Kg7 45. Rc4 Kg6 46. Kf2 Rc8 47. Rh8 Re8 48. Rc6 Red8 49. Kf1 Kf7 50. Rc4 Be7 51. Rh7+ Kg6 52. Rh2 Rd3 53. Kf2 c5 54. bxc6 b5 55. Nf5 Bf8 56. c7 bxc4 57. cxd8=Q Rxd8 58. Ne3 Rd3 59. Be1 c3 60. Nc2 Kg7 61. Kg3 Ne6 62. Rf2 Nd4 63. Kg2 Kf7 64. Kg3 Ke6 65. Kg2 Nxc2 66. Rxc2 Bxb4 67. Rc1 Kd6 68. Kg3 Kc5 69. Rb1 0-1

FRITZ - SHREDDER (Round 3, ECO D41)

1. Nf3 c5 2. g3 Nf6 3. c4 e6 4. Nc3 d5 5. cxd5 Nxd5 6. Bg2 Nc6 7. O-O Be7 8. d4 O-O 9. e4 Nxc3 10. bxc3 b6 11. d5 exd5 12. exd5 Na5 13. Re1 Bf6 14. Ne5 a6 15. Bf4 Ra7 16. Nc6 Nxc6 17. dxc6 Qxd1 18. Raxd1 Bg4 19. Rd3 g5 20. Bd6 Rd8 21. Ree3 c4 22. Rd5 Be6 23. c7 Rc8 24. Rd2 b5 25. Bd5 Bg4 26. a4 bxa4 27. Re4 Bd7 28. Rxc4 h6 29. h4 a5 30. f4 g4 31. f5 h5 32. Kf2 a3 33. Be4 Bb5 34. Rc5 Bd7 35. Ke3 a4 36. Kd3 Ra6 37. Bf4 Rb6 38. Kc4 Be8 39. Bg5 Kg7 40. Ra2 Rb3 41. Bxf6+ Kxf6 42. Kd5 Rb6 43. Rxa3 Ke7 44. f6+ Kxf6 45. Kd4 Bd7 46. Rxh5 Rd6+ 47. Rd5 Ke7 48. c4 Rxc7 49. Rxd6 Kxd6 50. Bd5 Ke7 51. c5 Bb5 52. Re3+ Kf6 53. Rc3 Ra7 54. c6 a3 55. Rc2 Ke7 56. Rf2 f6 57. Kc5 Bd3 58. Kb6 Ra6+ 59. Kb7 Ra5 60. c7 Ba6+ 61. Kc6 Bc8 62. Re2+ Kf8 63. Bc4 Ra4 64. Rc2 f5 65. h5 Kg7 66. Kc5 Ra7 67. Kd6 Ra4 68. Ke7 Ra5 69. Ba2 Re5+ 70. Kd8 Bb7 71. Rd2 Kf8 72. h6 Re8+ 73. Kd7 Re7+ 74. Kd6 Rh7 75. Rh2 Bc8 76. Ke5 Ke7 77. Bg8 Rh8 78. h7 Kd7 79. Rc2 Ke7 80. Ra2 1-0

JONNY - BRUTUS (Round 3, ECO D30)

1. d4 d5 2. Nf3 Nf6 3. c4 c6 4. Qc2 e6 5. Nbd2 Nbd7 6. a3 Bd6 7. e4 e5 8. exd5 cxd5 9. c5 Bb8 10. c6 bxc6 11. Qxc6 O-O 12. Qxa8 Qc7 13. dxe5 Nxe5 14. Be2 Bb7 15. Qxb8 Rxb8 16. O-O Qd6 17. Nxe5 Qxe5 18. Re1 d4 19. Nc4 Qe6 20. Bd2 Bxg2 21. Kxg2 d3 22. Bxd3 Qd5+ 23. Kg1 Qxd3 24. Bf4 Rd8 25. Rac1 h5 26. Ne5 Qb3 27. Nc6 Rd7 28. Be5 Ng4 29. Bg3 Qxb2 30. h3 Nh6 31. a4 f6 32. Bb8 Qa3 33. Bxa7 Qxh3 34. Ne7+ Kh7 35. Re3 Qh4 0-1

DEEP JUNIOR - LIST (Round 3, ECO B76)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 g6 6. Be3 Bg7 7. f3 O-O 8. Qd2 Nc6 9. O-O-O Bd7 10. Kb1 h5 11. h3 Rc8 12. g4 Ne5 13. f4 Nc4 14. Bxc4 Rxc4 15. e5 dxe5 16. fxe5 Nxe5 17. hxe5 Bxe5 18. Qd3 Rxc3 19. Qxc3 Bxd1 20. Rxd1 Bxe5 21. Qe1 Bxd4 22. Bxd4 Qc7 23. a3 Rd8 24. Rd3 b6 25. Qe4 Kh7 26. a4 f6 27. Qe6 Kg7 28. b3 h4 29. Kb2 Kf8 30. Qe4 e5 31. Rc3 Qg7 32. Be3 g5 33. Qf5 Kg8 34. a5 Rf8 35. Rd3 Qh7 36. Qe6+ Qf7 37. Qg4 Re8 38. Qf5 Re6 39. axb6 axb6 40. Bxb6 Rxb6 41. Qc8+ Kg7 42. Rd7 Qxd7 43. Qxd7+ Kg6 44. c4 Rb8 45. c5 Rh8 46. Qh3 Kf7 47. c6 g4 48. Qxg4 h3 49. Qd7+ Kg6 50. Qd3+ Kg7 51. Qg3+ Kf7 52. Qh2 Ke6 53. b4 Kd5 54. b5 Kc4 55. c7 Kxb5 56. Qe2+ Kb6 57. Qf2+ Kxc7 58. Qxf6 Re8 59. Qf7+ Kd8 60. Qd5+ Kc7 61. Qc5+ Kd7 62. Qb5+ Kd8 63. Qa5+ Kd7 64. Qa4+ Ke7 65. Qa3+ Kf6 66. Qf3+ Kg7 67. Qxh3 e4 68. Qe3 Kg6 69. Kc3 Kf5 70. Qh3+ Kf6 71. Qh6+ Kf7 72. Qe3 Kg6 73. Kd4 Kf6 74. Qh6+ Kf7 75. Qh5+ Kf8 76. Ke3 Re6 77. Qh7 Ke8 78. Kd4 e3 79. Kd5 Rb6 80. Qe4+ Kf7 1-0

November 24: Round 4

Having won all their games in the first three rounds, BRUTUS and FRITZ met each other in round four. BRUTUS with white pieces mounted a heavy pressure on the queenside, winning a Pawn on the 29th move, and the game after 63 moves. DEEP JUNIOR defeated DEEP SJENG after some inaccurate play by the latter in the endgame. In its game against JONNY, FALCON sacrificed a Pawn in return for putting Black's Bishop in a passive position, and effectively playing with a piece up, it launched a winning attack. LIST opened the game with an unusual 1. d4 d5 2. Nc3 Nf6 3. f3!? which threw NEXUS out of the opening book. LIST captured the opponent's Queen on move 24, and won the game 12 moves later.

After the fourth round, BRUTUS was clearly first with 4 wins, followed by FRITZ, SHREDDER, DEEP JUNIOR with 3 points, and DIEP, FALCON with 2.5 points.

BRUTUS - FRITZ (Round 4, ECO C92)

1. e4 e5 2. Nf3 Nc6 3. Bb5 a6 4. Ba4 Nf6 5. O-O Be7 6. Re1 b5 7. Bb3 d6 8. c3 O-O 9. h3 Bb7 10. d4 Re8 11. Nbd2 Bf8 12. a4 Na5 13. Be2 c5 14. d5 c4 15. b4 cxb3 16. Nxb3 Nxb3 17. Bxb3 Nd7 18. c4 bxc4 19. Bxc4 Qc7 20. Nd2 Be7 21. Ba3 Nc5 22. Be2 Bg5 23. Rc1 Bc8 24. Rc4 Qa5 25. Nf3 Bd8 26. Bb4 Qc7 27. Qc2 Bd7 28. Bxc5 dxc5 29. Rxc5 Qd6 30. a5 Be7 31. Rc3 Bd8 32. Ra1 Rb8 33. Nd2 Qh6 34. Nc4 Qf6 35. Rf3 Qe7 36. d6 Qf8 37. Rd3 Rb5 38. Rdd1 Rb8 39. Ne3 Re8 40. Qb3 Re5 41. Qb7 Be6 42. Bxa6 Bxa5 43. Qa7 Bb4 44. Ra4 Rc6 45. Rxb4 Ra8 46. d7 Re1 47. Qb6 Rxd1+ 48. Nxd1 Bxd7 49. Bc4 Re8 50. Ne3 h6 51. Bd5 Kh7 52. Rb1 f6 53. Qa7 Rd8 54. Rb7 Ra8 55. Qb6 Rd8 56. Rc7 Qh8 57. Qa7 Bc8 58. Bb3 Rf8 59. Qb6 Rd8 60. Qxf6 Qf8 61. Rf7 Qg8 62. Nf5 Bxf5 63. exf5 1-0

DEEP SJENG - DEEP JUNIOR (Round 4, ECO B66)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 Nc6 6. Bg5 e6 7. Qd2 a6 8. O-O-O h6 9. Be3 Be7 10. f4 Bd7 11. h3 b5 12. Bd3 Qe7 13. Rhe1 O-O 14. g4 Nxd4 15. Bxd4 b4 16. Ne2 Bc6 17. Ng3 Qa5 18. Kb1 Nd7 19. a3 Rfb8 20. axb4

Qxb4 21. Qxb4 Rxb4 22. Bc3 Rb7 23. Re3 Nc5 24. Bc4 a5 25. Bd4 a4 26. Ka2 Bh4 27. e5 dxe5 28. Bxe5 Nd7 29. Bd4 Nb6 30. Bxb6 Rxb6 31. c3 Rab8 32. Rb1 Kf8 33. Nf1 Be7 34. Re2 Bf6 35. Rc1 g5 36. f5 exf5 37. gxf5 Bf3 38. Rf2 g4 39. hxg4 Bxg4 40. Ng3 Bh4 41. Rg1 h5 42. Rd2 Rd8 43. Rxd8+ Bxd8 44. Be2 Bxe2 45. Nxe2 h4 46. Nf4 Be7 47. Rf1 Bd6 48. f6 Bb8 49. Nd5 Re6 50. Rf3 Ke8 51. Ka3 Re4 52. Nb4 Bg3 53. Rd3 Rg4 54. Nc6 Bc7 55. Nd4 Rg3 56. Rd1 h3 57. Rh1 Kd7 58. Kxa4 Rd3 59. Kb3 h2 60. Kc2 Rh3 61. Kd2 Bf4+ 62. Ke1 Kd6 63. Kf1 Kd5 64. Ne2 Bd6 65. Kg2 Rd3 66. b3 Bc7 67. Rc1 Rd2 68. Kf3 Kc5 69. Rh1 Rd3+ 70. Ke4 Rh3 71. Nc1 Rh4+ 72. Kf3 Rf4+ 73. Ke3 Rxf6 74. Nd3+ Kb5 75. c4+ Kb6 76. Nb4 Re6+ 77. Kd3 Bd6 78. Nd5+ Kc6 79. Nc3 Rg6 80. Ne2 Kc5 81. Kc3 Be5+ 82. Kd3 f5 83. Kd2 Kb4 84. Kc2 Rg4 85. c5 Kxc5 86. Kd2 Kb4 87. Ke1 Kxb3 88. Kf2 Kc2 89. Kf3 Kd2 90. Kf2 Bb8 91. Kf3 Re4 92. Nc1 Rf4+ 93. Kg2 Rg4+ 0-1

FALCON - JONNY (Round 4, ECO E54)

1. d4 Nf6 2. c4 e6 3. e3 c5 4. Nf3 cxd4 5. exd4 d5 6. Nc3 Bb4 7. Bd3 dxc4 8. Bxc4 O-O 9. O-O Nbd7 10. Bg5 b6 11. Qb3 Bxc3 12. Qxc3 h6 13. Bh4 Bb7 14. Qe3 Qc7 15. Rac1 Qc6 16. Rc2 Qe4 17. Rfc1 Qg4 18. h3 Qh5 19. Bxf6 Nxf6 20. Ne5 Be4 21. Rc3 Qh4 22. Bb3 Bd5 23. Bc2 Bxa2 24. b3 Nd5 25. Qd3 f5 26. Rc4 b5 27. Rc5 Nf4 28. Qf3 Rac8 29. g3 Nxh3+ 30. Kg2 Qg5 31. Rxc8 Rxc8 32. Bxf5 Qxc1 33. Bxe6+ Kh8 34. Qf5 Qg1+ 35. Kxh3 Qh1+ 36. Kg4 Qd1+ 37. f3 Qxd4+ 38. Kh5 Qxe5 39. Qxe5 1-0

LIST - NEXUS (Round 4, ECO D00)

1. d4 d5 2. Nc3 Nf6 3. f3 c5 4. e4 dxe4 5. d5 exf3 6. Nxf3 a6 7. Bg5 Nbd7 8. a4 h6 9. Bxf6 Nxf6 10. Bc4 Qb6 11. O-O Qxb2 12. Qd2 Qb6 13. Ne5 Qd6 14. Rael Bd7 15. Qd1 Rh7 16. Bd3 Rh8 17. Ne4 Qxd5 18. Bc4 Qxe5 19. Nxf6+ Qxf6 20. Bxf7+ Kxf7 21. Qxd7 h5 22. Qxb7 Rd8 23. Qxa6 Kg6 24. Rxf6+ exf6 25. Qc6 Bd6 26. a5 Kh7 27. Re6 Be5 28. a6 Rd1+ 29. Kf2 Rhd8 30. a7 Ra1 31. Qe4+ g6 32. Ra6 Rxa6 33. Qb7+ Kh6 34. Qxa6 g5 35. a8=Q Rxa8 36. Qxa8 1-0

November 25: Round 5

Round 5 featured two crucial games: SHREDDER vs. BRUTUS, and DEEP JUNIOR vs. FRITZ. In a Sicilian Najdorf, both SHREDDER and BRUTUS castled to the queenside. However, SHREDDER managed to seize the initiative on the kingside, getting a passed h-Pawn, which ultimately decided the game in favor of SHREDDER. In the game DEEP JUNIOR vs. FRITZ all minor pieces were off the board already in move 16. The game continued 25 moves further and ended in a draw. HOSSA won its game after outplaying RUY LOPEZ in the endgame.

At the end of the fourth day, SHREDDER and BRUTUS both led with 4 points, followed by FRITZ and DEEP JUNIOR with 3.5 points.

SHREDDER - BRUTUS (Round 5, ECO B97)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Bg5 e6 7. f4 Qb6 8. Nb3 Be7 9. Qf3 Nbd7 10. O-O-O Qc7 11. Kb1 b5 12. Bd3 Bb7 13. a3 O-O-O 14. Qe2 Kb8 15. Rhf1 h6 16. Bh4 g5 17. Be1 gxf4 18. Rxf4 Rdg8 19. Bh4 Rg6 20. Rdf1 e5 21. Rf5 Rc8 22. g4 Bd8 23. g5 hxg5 24. Bxg5 Be7 25. h4 Qd8 26. Qe1 Qc7 27. h5 Rxg5 28. Rxg5 Nxe4 29. Nxe4 Bxe4 30. Bxe4 Bxg5 31. Rxf7 Rf8 32. Rxf8+ Nxf8 33. Na5 Kc8 34. Qg1 Qxa5 35. Bf5+ Kb7 36. Qxg5 Qc7 37. Be4+ Kb6 38. h6 Qb8 39. Qg1+ Kc7 40. Qg7+ Kb6 41. b4 a5 42. Qg1+ Ka6 43. Qg8 Ka7 44. Qd5 Ng6 1-0

DEEP JUNIOR - FRITZ (Round 5, ECO B30)

1. e4 c5 2. Nc3 Nc6 3. Nf3 e5 4. Bc4 d6 5. d3 Be7 6. Nd2 Bg5 7. h4 Bxd2+ 8. Bxd2 Nf6 9. O-O O-O 10. f4 Bg4 11. Qe1 Be6 12. f5 Bxc4 13. dxc4 h6 14. Nd5 Nb4 15. Nxf6+ Qxf6 16. Bxb4 cxb4 17. Rd1 Rac8 18. b3 a5 19. Rf3 b5 20. cxb5 Rxc2 21. Rfd3 Rd8 22. R1d2 Rxd2 23. Rxd2 Rc8 24. g3 Qd8 25. Qf2 Rc1+ 26. Kh2 Qb8 27. Rd5 Qc7 28. Kh3 Rh1+ 29. Kg4 g6 30. fxg6 fxg6 31. Rd2 Qd7+ 32. Kf3 h5 33. b6 Rc1 34. Kg2 Qc6 35. Kh2 Kg7 36. b7 Qxb7 37. Rxd6 Qf7 38. Qb2 Rc3 39. Qd2 Rf3 40. Kg2 Rf1 41. Rd7 1/2-1/2

HOSSA - RUY LOPEZ (Round 5, ECO D39)

1. d4 d5 2. Nf3 Nf6 3. c4 e6 4. Nc3 Bb4 5. Bg5 dxc4 6. e4 c5 7. Bxc4 cxd4 8. Nxd4 Qa5 9. Bd2 Qc5 10. Bb5+ Bd7 11. Nb3 Qe7 12. Bd3 Nc6 13. O-O Ne5 14. Be2 Ng6 15. Bg5 Bxc3 16. bxc3 O-O-O 17. Qc2 Ba4 18. Be3 Kb8 19. f3 Qd6 20. Qb2 Nf4 21. Nc5 Nxe2+ 22. Qxe2 Bc6 23. a4 Ka8 24. Rfd1 Qc7 25. Nd3 Rd7 26. Bd4 Rhd8 27. Nc5 Re7 28. Be5 Qb6 29. Rd4 Ree8 30. Qf2 Qa5 31. Qe3 Rg8 32. Rad1 a6 33. Bd6 Rge8 34. Nb3 Qb6 35. Bc5 Qc7 36. a5 e5 37. R4d2 Rxd2 38. Rxd2 Bb5 39. Qe1 Nd7 40. Bb4 Ba4 41. Nc1 Rd8 42. Rd6 Nb8 43. Qd2 Rxd6 44. Qxd6 Qxd6 45. Bxd6 Nc6 46. Bc7 f6 47. Kf2 h5 48. Ke3 Bb5 49. Nd3 Bc4 50. Nb2 Bb3 51. c4 h4 52. Kd3 Nd4 53. Bb6 Ne6 54. Kc3 Ba2 55. Nd3 Bb1 56. Ne1 Ba2 57. Be3 Nd8 58. Nd3 Bb1 59. Nc1 h3 60. g4 g5 61. Nb3 Nc6 62. Nd2 Kb8 63. Bb6 Nd4 64. Bd8 Ne2+ 65. Kb2 Bd3 66. Bxf6 Kc7 67. Bxe5+ Kd7 68. Bf6 Ng3 69. Bxg5 Nf1 70. Nb3 Be2 71. Nd4 Bxc4 72. Bf4 Bg8 73. Kc2 Bc4 74. Kd1 Ke7 75. Ne2 Kf6 76. Ke1 Nxb2 77. Bxb2 Bf7 78. Nf4 Bg8 79. Nxb3 Be6 80. e5+ Kg7 81. Kf2 Kf8 82. Kg3 Bd5 83. f4 Bb3 84. f5 Ba4 85. Ng5 Bc2 86. f6 Bb3 87. e6 1-0

November 26: Rounds 6 and 7

The key match of round six was BRUTUS vs. DEEP JUNIOR. After a sharp Sicilian Richter-Rauzer, when most pieces were exchanged, it seemed that BRUTUS had the upper hand. But at about move 56 the tide turned in favour of DEEP JUNIOR, which after quickly consolidating its advantage, won the game on move 68. The other two leading programs, SHREDDER and FRITZ, both won their games with relative ease.

In the last match between the top four programs, DEEP JUNIOR played against SHREDDER in round seven. SHREDDER's opening book, prepared by Sandro Necchi, was the most extensive opening book used by any program. When in about move 25 Grandmaster Peter Wells (who was providing live commentary) asked DEEP JUNIOR's authors about what their program thought about the position, Shay Bushinsky replied: "JUNIOR thinks that SHREDDER will play all the game from book." This prediction came true a few moves later, when the game ended in a draw by threefold repetition right from SHREDDER's opening book. LIST using an unorthodox opening like most of its previous games, reached the endgame with a Pawn up against BRUTUS. But the advantage did not yield more than a draw in the rook endgame. FRITZ had a comfortable game against GREEN LIGHT CHESS. The coordinated attack of Black's pieces against White's King, did not leave GREEN LIGHT CHESS with any chance. The game DEEP SJENG vs. JONNY was the longest game of the tournament. Up to move 83, only two pair of minor pieces and a few Pawns were exchanged! On move 83 DEEP SJENG finally sacrificed a Knight, opening attack lines on Black's King. DEEP SJENG won the game after 110 moves.

By the end of the seventh round, all the four titans had played against each other. SHREDDER and FRITZ topped the list with 5.5 points, followed by DEEP JUNIOR with 5 points, and BRUTUS with 4.5 points.

BRUTUS - DEEP JUNIOR (Round 6, ECO B67)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 Nc6 6. Bg5 e6 7. Qd2 a6 8. O-O-O Bd7 9. f4 b5 10. Bxf6 gxf6 11. Kb1 b4 12. Nce2 Qb6 13. g3 Rc8 14. Bg2 Na5 15. b3 Nc6 16. Nxc6 Qxc6 17. Rc1 Qb6 18. Rhf1 a5 19. f5 e5 20. c3 h5 21. cxb4 axb4 22. Rxc8+ Bxc8 23. Rd1 Ke7 24. Nc1 Bh6 25. Qe1 Ba6 26. Bf1 Bxf1 27. Qxf1 Rc8 28. Nd3 Rc3 29. Qe2 Qb5 30. Kb2 Qa6 31. a4 Qb6 32. Ne1 h4 33. Nc2 h3 34. Qe1 Kf8 35. Rd5 Bg5 36. a5 Qa7 37. Nxb4 Rc1 38. Rd1 Rc8 39. Nc2 Qc5 40. Na3 Be3 41. b4 Bd4+ 42. Kb3 Qc7 43. Rd3 Rb8 44. b5 Bc5 45. Qc3 Qc6 46. Qb4 Qc7 47. Rc3 Qb7 48. Rxc5 dxc5 49. Qxc5+ Kg7 50. Qd5 Qe7 51. b6 Rd8 52. Qb5 Qd6 53. Qe2 Qc5 54. Nb5 Qe1 55. Qe2 Qf1 56. Nc3 Rc8 57. Kb2 Qg1 58. Kb3 Qc5 59. Qd3 Qxa5 60. Qe3 Rc6 61. Nd5 Qb5+ 62. Nb4 Rxb6 63. Qd2 Qf1 64. g4 Qb1+ 65. Ka3 Rb5 66. Ka4 Rxb4+ 67. Qxb4 Qa2+ 68. Kb5 Qxh2 0-1

DEEP JUNIOR - SHREDDER (Round 7, ECO B80)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Be3 e6 7. f3 b5 8. g4 h6 9. Qd2 Nbd7 10. O-O-O Bb7 11. h4 b4 12. Na4 Qa5 13. b3 Nc5 14. a3 Nxa4 15. axb4 Qc7 16. bxa4 d5 17. e5 Nd7 18. f4 Nb6 19. f5 Nxa4 20. fxe6 Nc3 21.

exf7+ Kxf7 22. Bd3 Bxb4 23. Rdf1+ Kg8 24. Qf2 Ba3+ 25. Kd2 Ne4+ 26. Bxe4 dxe4 27. Qf5 Bb4+ 28. Kd1 Qc4 29. Ne6 Qd5+ 30. Ke2 Qc4+ 31. Kd1 Qd5+ 32. Ke2 Qc4+ 1/2-1/2

LIST - BRUTUS (Round 7, ECO A00)

1. Nc3 d5 2. e4 dxe4 3. Nxe4 Nd7 4. d4 Ngf6 5. Ng3 h5 6. Bd3 c5 7. Nf3 h4 8. Ne2 h3 9. gxh3 a6 10. Ng5 cxd4 11. Nxd4 Nc5 12. Bc4 e6 13. Be2 Nfe4 14. Nxe4 Nxe4 15. Qd3 f5 16. Nb3 Qf6 17. c3 Bd7 18. Be3 Bb5 19. Qd4 Bxe2 20. Qxf6 Nxf6 21. Kxe2 Rxh3 22. Nd4 Kf7 23. Nf3 Kg8 24. Ng5 Rh6 25. Nf3 Rh5 26. Bd4 Nd5 27. Be5 a5 28. Rhg1 Rh7 29. Rad1 Rc8 30. Rd4 Nb6 31. Bd6 Bxd6 32. Rxd6 Na4 33. Rd2 b5 34. h4 Nb6 35. Kf1 b4 36. cxb4 axb4 37. Rd4 b3 38. axb3 Rh6 39. Kg2 Kf7 40. Ra1 Nd5 41. Rc4 Rb8 42. Ne5+ Kg8 43. Ra7 Rxb3 44. Nf7 Rg6+ 45. Ng5 Rb8 46. Kf1 Rf6 47. Rd4 Rg6 48. b3 Rh6 49. Kg2 Rg6 50. f3 Nf6 51. Re7 Nd5 52. Rxe6 Rxe6 53. Nxe6 Rb5 54. Kf2 Kf7 55. Nf4 Nxf4 56. Rxf4 Rxb3 57. Rxf5+ Kg6 58. Rg5+ Kf6 59. Rc5 Kg6 60. Rc6+ Kh5 61. Kg3 Rb1 62. Rc5+ Kg6 63. Re5 Kf6 64. Ra5 Kg6 65. Kg2 Rb2+ 66. Kh3 Rb1 67. Rg5+ Kf6 68. Rc5 Kg6 1/2-1/2

Nexus - Ruy Lopez (Round 7, ECO C45)

1. e4 e5 2. Nf3 Nc6 3. d4 exd4 4. Nxd4 Bc5 5. Nb3 Bb6 6. Nc3 Nf6 7. a4 Na5 8. e5 Qe7 9. Qe2 Nxb3 10. cxb3 Ng8 11. a5 Bd4 12. f4 c6 13. Ra4 Bc5 14. Ne4 b5 15. axb6 Bxb6 16. Nd6+ Kf8 17. Be3 Rb8 18. Qf3 g6 19. Bd3 Qh4+ 20. g3 Qe7 21. Rxa7 Bxa7 22. Bxa7 Rxb3 23. Bc5 Ba6 24. Ne4 Rxd3 25. Bxe7+ Nxe7 26. Qf2 Nf5 27. O-O Bb5 28. Qc5+ Kg7 29. e6 d6 30. Qa7 Rf8 31. Ng5 Rd2 32. Nxf7 Kg8 33. Ng5 Ng7 34. Ra1 Kh8 35. Nf7+ 1-0

November 27: Round 8

Round eight, like the three rounds that followed it, did not change the standing at the top. SHREDDER, FRITZ, DEEP JUNIOR, and BRUTUS all scored victories. HOSSA sacrificed a Bishop to remove the pawn shelter around JONNY's King, but JONNY managed to hold the position, and win the game with a piece up. GREEN LIGHT CHESS and DEEP SJENG attacked each other's Kings in a very sharp game, but when the dust settled it was GREEN LIGHT CHESS that held the upper hand, safely converting the advantage into a full point.

After round eight finished, the top four programs having all played against LIST, the tournament committee made the following announcement:

"The tournament committee of the 2003 World Computer Chess Championship received a complaint on November 23rd from one of the participants concerning his suspicion that the program LIST, entered by Fritz Reul, is based on the program CRAFTY. The complaint is supported by circumstantial evidence given to the Tournament Committee by the complainant. This evidence relates to two older versions of LIST, namely 4.60 and 5.04 which are publicly available. The question to be asked therefore was whether LIST Graz contains substantial parts of CRAFTY. Plagiarism of another program's code is a very serious offence.

The tournament committee took appropriate action and requested Mr. Reul to allow inspection of the source code. Since no answer was received, the tournament committee reported their findings to board of the ICGA. As a result the program LIST was disqualified from the tournament with immediate effect and Mr. Reul was banned from participating in any events organised or sanctioned by the ICGA until June 1st 2006."

DEEP SJENG - GREEN LIGHT CHESS (Round 8, ECO B97)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Bg5 e6 7. f4 Qb6 8. Nb3 Nbd7 9. Qf3 Be7 10. O-O-O Qc7 11. Bd3 b5 12. a3 Bb7 13. Qe2 h6 14. Bh4 d5 15. e5 Ne4 16. Qg4 g5 17. Bxe4 dxe4 18. fxe4 Nxe5 19. Qh5 Rc8 20. Rhf1 Ng6 21. Bg3 e5 22. Qg4 hxg5 23. Qf5 Nf4 24. Kb1 Rh6 25. Bf2 Bxa3 26. bxa3 Qxc3 27. Qd7+ Kf8 28. Qxb7 Qxc2+ 29. Ka1 Kg7 30. Rd2 Qxb3 31. Qxc8 e3 32. Bxe3 Qxa3+ 33. Kb1 Qxe3 34. Rd8 Qb3+ 35. Ka1 Qa4+ 36. Kb2 Qb4+ 37. Ka1 Qa5+ 38. Kb1 Qb4+ 39. Ka1 Qa3+ 40. Kb1 Qb3+ 41. Ka1 Rd6 42. Rg8+ Kf6 43. Rc1 Qa4+ 44. Kb1 Qb4+ 45. Ka1 Qa5+ 46. Kb1 Qb4+ 47. Ka1 Qa4+ 48. Kb1 Qb3+ 49. Ka1 Qa3+ 50. Kb1 b4 51. Qc5 Qb3+ 52. Ka1 Qa3+ 53.

Kb1 Qb3+ 54. Ka1 Rd1 55. g4 Qa3+ 56. Kb1 Qb3+ 57. Ka1 Qa3+ 58. Kb1 Qf3 59. Rxd1 Qxd1+ 60. Ka2 Qe2+ 61. Ka1 Qf1+ 62. Ka2 Qg2+ 63. Kb1 Qxg4 64. Qxb4 Qg1+ 65. Ka2 Qxh2+ 66. Ka3 Ne6 67. Qd6 Qe2 68. Rb8 g4 69. Rb7 Qf1 70. Rb2 g3 71. Qd2 Kf5 72. Qe3 Qf4 73. Qe2 Nd4 74. Qh5+ Ke4 75. Qh3 Qf3+ 76. Ka2 f5 77. Qh6 Qd3 78. Qh1+ Ke3 79. Qg1+ 0-1

HOSSA - JONNY (Round 8, ECO D27)

1. d4 d5 2. c4 dxc4 3. Nf3 e6 4. e3 Nf6 5. Bxc4 a6 6. O-O c5 7. a4 Nc6 8. Qe2 cxd4 9. Rd1 Be7 10. exd4 O-O 11. Nc3 Nd5 12. Qe4 Ncb4 13. Ne5 b6 14. Nc6 Nxc6 15. Nxd5 Ra7 16. Nxe7+ Nxe7 17. Bg5 Bb7 18. Qh4 Re8 19. Bd3 h6 20. Bd2 Bd5 21. Bxh6 gxh6 22. Qxh6 Ng6 23. Bxg6 fxg6 24. f3 Qf6 25. Qe3 Rc8 26. Rdc1 Rac7 27. Rc3 Rxc3 28. bxc3 Qf5 29. Qd2 Kf7 30. g4 Qf6 31. Qe3 Qe7 32. a5 b5 33. Qh6 Rxc3 34. Qh7+ Ke8 35. Qxg6+ Qf7 36. Qxf7+ Kxf7 37. Rb1 Rxf3 38. Rc1 b4 39. Rc8 b3 40. Rb8 Kg7 41. h4 Rf7 42. Rb6 Rb7 43. Rxb3 Rxb3 44. Kf1 Rb2 45. Ke1 Bf3 46. g5 Kg6 47. Kf1 Kf5 48. d5 Kf4 49. dxe6 Be2+ 50. Kf2 Bd3+ 51. Kg1 Kg3 52. h5 Rb1# 0-1

November 28: Round 9

The top four programs won all their games for a second day. Thus, SHREDDER and FRITZ continued to lead, followed closely by DEEP JUNIOR and BRUTUS. The game DIEP vs. JONNY resulted in a very interesting endgame of DIEP's Queen and Bishop against JONNY's Queen and Knight. After a series of maneuvers, DIEP outplayed JONNY and won the illustrative endgame. PARSOS was out of book on move 2, after DEEP SJENG replied 1. c4 with 1. ... Nc6, but nevertheless played a solid game resulting in a smooth win.

DIEP - JONNY (Round 9, ECO E37)

1. d4 Nf6 2. c4 e6 3. Nc3 Bb4 4. Qc2 d5 5. a3 Bxc3+ 6. Qxc3 Ne4 7. Qc2 c5 8. dxc5 Nc6 9. e3 Qa5+ 10. Bd2 Nxd2 11. Qxd2 dxc4 12. Bxc4 Qxc5 13. Rc1 Qa5 14. Rc3 O-O 15. Nf3 Rd8 16. Qc2 Bd7 17. Bd3 g6 18. b4 Qb6 19. O-O a5 20. bxa5 Nxa5 21. Be2 Rac8 22. Rd1 Bc6 23. Ne5 Rxd1+ 24. Bxd1 Kg7 25. Rd3 Rc7 26. Qd2 Qc5 27. Qb2 f6 28. Nxc6 Nxc6 29. Rc3 Qa5 30. g3 Ne7 31. Rxc7 Qxc7 32. Bf3 b6 33. Qb3 e5 34. Qe6 Qc5 35. a4 f5 36. Bd1 Nc6 37. h4 Qc3 38. Kg2 Qc5 39. Bb3 Nb4 40. Qg8+ Kh6 41. Qd8 Nc6 42. Qf6 Na5 43. Be6 Qc6+ 44. f3 Qd6 45. Kh3 Qc5 1-0

PARSOS - DEEP SJENG (Round 9, ECO D07)

1. c4 Nc6 2. d4 d5 3. cxd5 Qxd5 4. Nf3 e5 5. Nc3 Bb4 6. Bd2 Bxc3 7. Bxc3 e4 8. Nd2 e3 9. fxe3 Nf6 10. Qc2 Bf5 11. Qb3 Ne7 12. Rg1 Qxb3 13. axb3 Ned5 14. g4 Bxg4 15. Bg2 h5 16. Ra5 c6 17. e4 Nf4 18. Bf1 Ke7 19. Bb4+ Kd7 20. e3 Ng6 21. Bc4 b6 22. Ra6 Be6 23. Bxe6+ Kxe6 24. Ke2 Rhd8 25. Rga1 h4 26. h3 Nh5 27. Kf3 f5 28. exf5+ Kxf5 29. Nc4 Kg5 30. Rxa7 Rxa7 31. Rxa7 c5 32. dxc5 Rf8+ 33. Kg2 bxc5 34. Bxc5 Rf5 35. b4 Rd5 36. Ra5 Kf5 37. Bd4 Ke6 38. b5 Rg5+ 39. Kf3 Nf6 40. b6 Rxa5 41. Nxa5 Nd7 42. b7 1-0

CHINITO - HOSSA (Round 9, ECO D07)

1. e4 c5 2. c3 d5 3. exd5 Qxd5 4. d4 e6 5. Nf3 Nf6 6. Na3 Qd8 7. Bf4 Nc6 8. dxc5 Nd5 9. Bd6 Bxd6 10. cxd6 Qxd6 11. Bb5 O-O 12. O-O Rd8 13. Qd3 Qe7 14. Rad1 e5 15. Qe4 f5 16. Qa4 e4 17. Bxc6 bxc6 18. Nd4 Bd7 19. Qc4 Qd6 20. Nac2 Kh8 21. Nb3 Nb6 22. Qc5 Qg6 23. Na5 Na4 24. Qa3 Nb6 25. Rd6 Qe8 26. b3 Nd5 27. c4 Nf4 28. Nb7 Rdc8 29. Rfd1 Be6 30. Ne3 Ne2+ 31. Kf1 f4 32. Qb2 Ng3+ 33. hxxg3 fxe3 34. Qe2 Qe7 35. Qxe3 Bg4 36. f3 Rf8 37. Kg1 Qxb7 38. fxg4 Rae8 39. Rd7 Qb6 40. Re1 Re6 41. Rxa7 Qd8 42. a4 Qd6 43. Ra5 Rd8 44. Rf5 Kg8 45. Rf4 Rde8 46. Re2 Re5 47. Rd2 Qc7 48. c5 Qa7 49. Rf5 R5e6 50. g5 Qe7 51. b4 Rb8 52. Rd4 Kh8 53. a5 Re8 54. Rf4 Re5 55. Rd6 Re6 56. Kh2 Rxd6 57. cxd6 Qxd6 58. Rxe4 Rg8 59. a6 Qg6 60. a7 Ra8 61. g4 Qf7 62. Re7 Qf8 63. Qe5 Kg8 64. Rb7 Rd8 65. Rb8 1-0

November 29: Rounds 10 and 11

For the third consecutive day, the leading programs had no problem scoring two more victories in their remaining games. In the game SHREDDER vs. JONNY, SHREDDER quickly reached a winning position. However, due to a bug in the program, SHREDDER repeated a certain position three times, thus resulting in a threefold repetition on move 37. Even though the JONNY program announced threefold repetition, its programmer did not claim the draw, but played the move on the board, continuing the game. When the Tournament

Director arrived, he ruled that the game should continue, because the move had been completed on the board. SHREDDER did not repeat the position for a fourth time, but played a different move and quickly won the game. The final standings are given in Table 2.

DEEP SJENG - QUARK (Round 10, ECO C99)

1. e4 e5 2. Nf3 Nc6 3. Bb5 a6 4. Ba4 Nf6 5. O-O Be7 6. Re1 b5 7. Bb3 d6 8. c3 O-O 9. h3 Na5 10. Bc2 c5 11. d4 Qc7 12. Nbd2 cxd4 13. cxd4 Nc6 14. Nb3 a5 15. Be3 a4 16. Nbd2 Bd7 17. Rc1 Qb7 18. Qe2 Rfe8 19. Bd3 Rab8 20. dxe5 dxe5 21. Bc5 Nh5 22. g3 Nf6 23. g4 Nb4 24. Bxe7 Rxe7 25. Rc5 Rd8 26. Rxe5 Rxe5 27. Nxe5 Nxa2 28. g5 Ne8 29. Nxd7 Qxd7 30. Bxb5 Qxh3 31. Bxe8 Rxe8 32. Ra1 Qe6 33. Qc4 Qg4+ 34. Kf1 Qh3+ 35. Ke2 Qg4+ 36. Ke1 Qg1+ 37. Qf1 Qxg5 38. Rxa2 Rxe4+ 39. Kd1 Rd4 40. Qe2 h5 41. Ra3 h4 42. Qe8+ Kh7 43. Qe3 Qxe3 44. Rxe3 g5 45. Rh3 Kg6 46. Rh1 Kh5 47. Kc2 f5 48. Nf1 Rc4+ 49. Kd3 Rf4 50. Rh2 g4 51. Nd2 h3 52. Kc3 Kh4 53. Kd3 Rb4 54. Kc2 Rb3 55. Rh1 f4 56. Ne4 g3 0-1

RUY LOPEZ - FALCON (Round 10, ECO B85)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Be2 e6 7. O-O Be7 8. f4 Nc6 9. Be3 O-O 10. a4 Qc7 11. Kh1 Re8 12. Bf3 Rb8 13. Qd2 Bd7 14. Qf2 Nxd4 15. Bxd4 e5 16. Be3 Rbc8 17. Qg3 Kh8 18. Rfd1 Qc4 19. f5 Bc6 20. Re1 Qb4 21. Bc1 g6 22. Ra3 gxf5 23. exf5 e4 24. Rb3 Qc5 25. Nxe4 Nxe4 26. Bxe4 Bxe4 27. Rxe4 Qxc2 28. Re1 Qxc1 29. Rg1 Qc6 30. Qh3 Qxa4 31. Rxb7 Qe4 32. Rb3 Bf6 33. Qd3 d5 34. Qxa6 Bd4 35. Rf1 Rg8 36. Rbf3 Rc2 37. g3 Re8 38. Qb5 Qe2 39. Qxe2 Rxe2 40. R3f2 Bxf2 41. Kg2 Be3+ 42. Kf3 h5 43. Ra1 Bh6 44. Ra8+ Kh7 45. Rh8+ Kxh8 46. h4 Re3# 0-1

SHREDDER - JONNY (Round 11, ECO B80)

1. e4 c5 2. Nf3 e6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 d6 6. Bg5 Be7 7. f4 O-O 8. Qf3 e5 9. Nf5 Bxf5 10. exf5 e4 11. Qh3 h6 12. Bh4 Qc7 13. g4 d5 14. g5 hxg5 15. fxg5 Nh5 16. O-O-O Rc8 17. Bg3 Nf4 18. Bxf4 Qxf4+ 19. Kb1 Bxg5 20. f6 Nc6 21. fxg7 Kxg7 22. Be2 d4 23. Rhf1 Qh4 24. Qf5 dxc3 25. Rg1 Kf8 26. Rxg5 Ne7 27. Qf6 Qh7 28. Rd7 Ng6 29. Rxb7 Qg7 30. Qd6+ Kg8 31. Rxf7 Qxf7 32. Rxg6+ Kh7 33. Rg4 Rab8 34. Rh4+ Kg8 35. Rg4+ Kh7 36. Rh4+ Kg8 37. Rg4+ Kh7 (threefold repetition) 38. Bc4 Rxb2+ 39. Ka1 Rxc4 40. Rh4+ Kg8 41. Qd8+ Qf8 42. Rg4+ Kf7 43. Qd7+ Qe7 44. Rf4+ Kg6 45. Qxe7 Rxa2+ 46. Kxa2 Ra4+ 47. Kb3 Rb4+ 48. Kxb4 a5+ 49. Kxc3 a4 50. Qf6+ Kh5 51. Rh4# 1-0

No.	Program	1	2	3	4	5	6	7	8	9	10	11	Total	SB
1	SHREDDER	16:W	6:W	2:L	5:W	4:W	10:W	3:D	7:W	9:W	8:W	12:W	9.5	67
2	FRITZ	10:W	11:W	1:W	4:L	3:D	6:W	5:W	16:W	13:W	7:W	8:W	9.5	66.5
3	DEEP JUNIOR	15:L	8:W	16:W	11:W	2:D	4:W	1:D	9:W	5:W	6:W	7:W	9	65.5
4	BRUTUS	5:W	15:W	12:W	2:W	1:L	3:L	16:D	6:W	10:W	13:W	9:W	8.5	63
5	GREEN LIGHT	4:L	7:W	15:W	1:L	10:W	16:D	2:L	11:W	3:L	12:D	14:W	6	63
6	DIEP	9:W	1:L	10:D	15:W	11:D	2:L	14:W	4:L	12:W	3:L	13:W	6	60.5
7	CHINITO	12:L	5:L	8:W	9:W	16:L	15:W	11:W	1:L	14:W	2:L	3:L	5	61
8	PARSOS	13:D	3:L	7:L	14:W	12:L	9:D	10:W	15:W	11:W	1:L	2:L	5	57
9	QUARK	6:L	16:L	14:W	7:L	13:W	8:D	12:W	3:L	1:L	11:W	4:L	4.5	62.5
10	FALCON	2:L	14:W	6:D	12:W	5:L	1:L	8:L	13:L	4:L	15:W	-:W	4.5	61
11	DEEP SJENG	14:W	2:L	13:W	3:L	6:D	12:W	7:L	5:L	8:L	9:L	15:W	4.5	56
12	JONNY	7:W	13:D	4:L	10:L	8:W	11:L	9:L	14:W	6:L	5:D	1:L	4	58.5
13	NEXUS	8:D	12:D	11:L	16:L	9:L	14:D	15:W	10:W	2:L	4:L	6:L	3.5	55
14	HOSSA	11:L	10:L	9:L	8:L	15:W	13:D	6:L	12:L	7:L	-:W	5:L	2.5	49.5
15	RUY LOPEZ	3:W	4:L	5:L	6:L	14:L	7:L	13:L	8:L	-:W	10:L	11:L	2	59

Table 2: Results and Final Standings of the 11th World Computer-Chess Championship.

November 30: Play-off Match

Having both finished with 9.5 points out of 11 games, SHREDDER and FRITZ played a two-game play-off match. The time control was 60 moves for the whole game. The first game featured yet another sharp Sicilian Najdorf, an opening which appeared in many games during the event. After an exciting tactical battle, the programs settled for a draw. In the second game, FRITZ opened with its usual 1. Nf3, resulting in a Symmetrical English opening. While at some points FRITZ had the advantage, it was ultimately SHREDDER that managed to outplay FRITZ, winning the game and the title of 2003 World

Computer-Chess Champion. SHREDDER also won the title of 2003 World Computer Speed-Chess Champion by winning the speed-chess tournament which was held the same day (see Table 3).

SHREDDER – FRITZ (Play-off game 1, ECO B97)

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Nxd4 Nf6 5. Nc3 a6 6. Bg5 e6 7. f4 Qb6 8. Nb3 Be7 9. Qf3 Nbd7 10. O-O-O Qc7 11. Kb1 b5 12. Bd3 b4 13. Ne2 Bb7 14. Qh3 Nxe4 15. Bxe7 Kxe7 16. Qh4+ Nef6 17. Rhe1 a5 18. Nbd4 Kf8 19. g4 Nc5 20. Ng3 Rc8 21. g5 Nd5 22. Bxh7 e5 23. Nb5 Qd7 24. Nf5 Qxb5 25. Nxd6 Qc6 26. fxe5 Nd3 27. Re2 N3f4 28. Rf2 Rd8 29. g6 Rd7 30. gxf7 Qc7 31. Rd4 Qc6 32. Rf1 Ba6 33. Rfd1 Be2 34. Rc1 Ba6 35. Rcd1 Be2 36. Rc1 Ba6 37. Rcd1 1/2-1/2

FRITZ - SHREDDER (Play-off game 2, ECO A30)

1. Nf3 c5 2. c4 Nf6 3. Nc3 e6 4. g3 b6 5. Bg2 Bb7 6. O-O a6 7. Re1 Be7 8. e4 d6 9. d4 cxd4 10. Nxd4 Qc8 11. f4 O-O 12. Be3 h5 13. h3 Rd8 14. Rc1 Nbd7 15. f5 e5 16. Nd5 Re8 17. Nb3 Bd8 18. g4 hxg4 19. hxg4 Nh7 20. Qd2 Bh4 21. Red1 Rb8 22. Nxb6 Nxb6 23. Bxb6 Bxe4 24. Bxe4 Rxb6 25. Qe2 Ng5 26. Rc2 Qb8 27. Kf1 a5 28. Bd5 a4 29. Qh2 axb3 30. axb3 Nf3 31. Bxf3 Qd8 32. Rc3 Qg5 33. Qd2 Qf6 34. Qe3 Reb8 35. Bd5 Ra6 36. Qd3 Qh6 37. Kg2 Qg5 38. Rg1 Qxg4+ 39. Kh1 Qd4 40. Qe2 Bf6 41. Rh3 Qa7 42. Qd2 Kf8 43. Rd1 Rab6 44. Qf2 Qa5 45. Rdd3 Ke7 46. Qf1 Qa7 47. Be4 Ra6 48. Rd1 Ra2 49. Qe2 Ra1 50. Kg2 Bg5 51. Rhd3 Rxd1 52. Qxd1 Qc5 53. Qh5 Bf6 54. Bd5 Rf8 55. Qh3 Qa5 56. Qh1 Rg8 57. Be4 Rd8 58. Qd1 Bh4 59. Rc3 Qb4 60. Qh5 Bf6 61. Bd5 Rf8 62. Qh3 Qa5 63. Qh1 Qc5 64. Rd3 Qc8 65. Rf3 Qb8 66. Rh3 Rg8 67. Be4 Rc8 68. Qg1 Qc7 69. Qe1 Rb8 70. Qe2 Qa5 71. Bd5 Rg8 72. Qc2 g6 73. Rg3 Rc8 74. Qd1 gxf5 75. b4 Qa2 76. Qe2 Qa1 77. Ra3 Rg8+ 78. Rg3 Rxg3+ 79. Kxg3 Qg1+ 80. Kh3 e4 81. Bxe4 Be5 82. Qg2 Qe3+ 83. Qf3 Qxe4 84. Kg2 Qxc4 85. Qxf5 Qxb4 86. Qg5+ Ke6 87. Qd8 Qd2+ 88. Kf3 Qd1+ 89. Kf2 Bd4+ 0-1

BLITZ TOURNAMENT

	Program	1	2	3	4	5	6	7	8	9	Total	Ranking
1	SHREDDER	X	1	1	0	1	1	1	1	1	7	1
2	FRITZ	0	X	1	0.5	1	1	1	1	1	6.5	2
3	JUNIOR	0	0	X	1	1	1	1	1	1	6	3
4	SJENG	1	0.5	0	X	0	1	1	1	1	5.5	4
5	PARSOS	0	0	0	1	X	1	0.5	1	1	4.5	5
6	QUARK	0	0	0	0	0	X	1	1	1	3	6
7	FALCON	0	0	0	0	0.5	0	X	0	1	1.5	7/8
8	JONNY	0	0	0	0	0	0	1	X	0.5	1.5	7/8
9	HOSSA	0	0	0	0	0	0	0	0.5	X	0.5	9

Table 3: Final Standings of the 2003 World Computer Speed-Chess Championship.