

THE 4th ANNUAL U.S. OPEN COMPUTER-CHESS CHAMPIONSHIP

Mobile, Alabama
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ICCA Communication
by R. Keeley

Mobile now has hosted the US Championship for the last 4 years (as far as we know we are the only ones to bid for the tournament). Unfortunately, this may be the last tournament for us as interest seems to have fallen off. We would welcome some competition in bidding. Fidelity is on record as saying they will support US computer-chess interests by attending and they have faithfully done so. However, the other companies in Europe and Asia have fallen off in attendance. Fidelity is said to challenge them all. The Mobile Chess Club has offered to make available operators to run the programs or machines for a very low and reasonable fee. We prefer the parties concerned send their own team but we make this offer available to encourage participation. My address can be used if any questions arise about anything concerning the tournament or the Mobile Chess Club.

The big interest for us this year was the entry of Colossus IV. This should be of interest to many of our readers as we understand this program was written in Great Britain. We would be very interested in learning more about this program, like its history, when written and by whom. There is a new US distributor so maybe it will receive more publicity. In the past, it was too slow, but now running on a Laser 128 at the fastest possible speed it has become a worthy and dangerous opponent (see the Round 4 game with Fidelity Excel Mach III, it was winning at one time. Max Harrell, the operator in that game, stated that Colossus IV didn't play the ending the best because of incorrect information he gave the machine at time control. He was able to correct this in the Rd 5 game against Fidelity Chessmaster 2100 although Colossus lost this game, it too was of interest).

The Mobile Chess Club has a long history of allowing computers to play in its tournaments against humans (or biotic devices as TD Jack Mallory calls them). Many times special ROM chips are sent to various members of the club and they are installed in the machines and entered into tournaments and the results reported back with suggestions of improvements to be made.

My own personal love is the FORTH computer language and I am attempting to write a chess-playing program using FORTH. I would appreciate to correspond (in English) with anyone with a similar interest.

ROUND 1

Colossus 4.0 - Fidelity Excel Mach III 0 - 1
EGA - Fidelity Chessmaster 2100 0 - 1

White: Colossus 4.0
Black: Fidelity Excel Mach III

1. e4 e6 2. d4 d5 3. Nc3 Nf6 4. Bg5 Bb4 5. e5 h6 6. Be3 Ne4 7. Ne2 c5 8. f3 cxd4 9. Bxd4 Nxc3 10. Nxc3 0-0 11. a3 Ba5 12. Bb5 Bd7 13. b4 Bb6 14. Bxb6 Qxb6 15. Qd3 Rc8 16. Bxd7 Nxd7 17. f4 a5 18. Na2 axb4 19. axb4 Rc4 20. c3 Re4+ 21. Kd1 Rxf4 22. Re1 Rf2 23. Re2 Rf1+ 24. Re1 Rxe1+ 25. Kxe1 Nxe5 26. Qf1 Qe3+ White Resigns

White: EGA

Black: Fidelity Chessmaster 2100

1. e4 e5 2. Nf3 Nc6 3. Bb5 a6 4. Ba4 Nf6 5. 0-0 Be7 6. Qe2 b5 7. Bb3 0-0 8. c3 d5 9. exd5 Nxd5 10. Nxe5 Nxe5 11. Qxe5 Be6 12. Re1 Bd6 13. Qe2 Nf4 14. Qe3 Re8 15. Rd1 Qg5 16. Re1 Qxg2 mate.

ROUND 2

Fidelity Excel Mach III - EGA 1 - 0

Fidelity Chessmaster 2100 - Colossus 4.0 1 - 0

White: Fidelity Excel Mach III

Black: EGA

1. e4 d5 2. exd5 Nf6 3. d4 Nxd5 4. Nf3 Bg4 5. Be2 e6 6. c4 Bb4+ 7. Bd2 Bxd2+ 8. Qxd2 Nb6 9. c5 Bxf3 10. Bxf3 Nc4 11. Qc3 Nc6 12. Qxc4 Nxd4 13. Bxb7 Rb8 14. c6 0-0 15. 0-0 Re8 16. Nc3 Nf5 17. Rd1 Qf6 18. Qa4 Red8 19. Rxd8+ Qxd8 20. Qxa7 e5 21. Qa5 Nd6 22. Rd1 Nxb7 23. Rxd8+ Rxd8 Black Resigns.

White: Fidelity Chessmaster 2100

Black: Colossus 4.0

1. d4 e6 2. c4 Bb4+ 3. Bd2 Nc6 4. Bxb4 Nxb4 5. Nf3 Nf6 6. a3 Nc6 7. d5 Ne7 8. Nc3 d6 9. Qa4+ Bd7 10. Qb3 b6 11. e4 0-0 12. Bd3 exd5 13. cxd5 Nh5 14. 0-0 f5 15. e5 Nf4 16. Bc2 Ng6 17. e6 Be8 18. Re1 Qe7 19. g3 Nh3+ 20. Kg2 Ng5 21. Nd4 f4 22. h4 f3+ 23. Kh2 Qf6 24. Nf5 Ne5 25. hxg5 Qxg5 26. Nh4 Bh5 27. Kg1 Qe7 28. Nb5 a6 29. Nd4 Rf6 30. Qc3 Bg4 31. Bf5 h5 32. Bxg4 hxg4 33. Nc6 Nxc6 34. Qxc6 Raf8 35. Re4 Re8 36. Rc1 Rc8 37. Rxg4 Qd8 38. Ng6 Kh7 39. Qc2 Kg8 40. Rh4 Rxg6 41. Qxg6 Qf6 42. Rxc7 Rxc7 43. Qe8+ Qf8 44. Qh5 Rc1+ 45. Kh2 Rh1+ 46. Kxh1 Qf6 47. Qh8 mate

ROUND 3

EGA - Colossus 4.0 0 - 1

Fidelity Chessmaster 2100 bye

Fidelity Excel Mach III bye

White: Colossus 4.0

Black: EGA

1. e4 Nf6 2. e5 Nd5 3. d4 d6 4. Nf3 Nc6 5. exd6 exd6 6. Qe2+ Qe7 7. c4 Ndb4 8. Qxe7+ Bxe7 9. Na3 Bg4 10. d5 Bxf3 11. gxf3 Nd4 12. Nb5 Nxb5 13. a3 Nc2+ 14. Ke2 Nbd4+ 15. Kd3 Nxa1 16. Kxd4 Nb3+ White Resigns.

ROUND 4

Fidelity Chessmaster 2100 - EGA 1 - 0

Colossus 4.0 - Fidelity Excel Mach III 1/2 - 1/2

White: Fidelity Chessmaster 2100

Black: EGA

1. d4 Nf6 2. c4 e6 3. Nc3 Bb4 4. e3 0-0 5. Nf3 d5 6. Bd3 dxc4 7. Bxc4 Nc6 8. 0-0 a6 9. Bd2 b5 10. Bd3 Bb7 11. a4 bxa4 12. Qc2 a3 13. bxa3 Bxc3 14. Bxc3 Rb8 15. e4 h6 16. Rab1 Qd7 17. Rfc1 Rfd8 18. d5 exd5 19. Bxf6 gxf6 20. exd5 Ne5 21. Nxe5 fxe5 22. Be4 Qd6 23. Qd3 c5 24. dxc6 e.p. Qxd3 25. Bxd3 Rxd3 26. Kf1 Rxa3 27. cxb7 Kh7 28. Rc8 Rxb7 29. Rxb7 Ra1+ 30. Ke2 Kg6 31. Rg8+ Kf6 32. Rf8 a5 33.

Rbx7+ Ke6 34. Rf6+ Ke7 35. R8f7+ Ke8 36. Ra7 a4 37. Rxh6 Ra2+ 38. Ke3 Ra3+ 39. Ke4 Ra2 40. Rh8 mate.

White: Colossus 4.0

Black: Fidelity Excel Mach III

1. e4 e5 2. Bc4 Nf6 3. d3 c6 4. Qe2 b5 5. Bb3 Bc5 6. a4 Qa5+ 7. Bd2 b4 8. Bg5 Bd4 9. Bxf6 gxf6 10. Ra2 Bb7 11. Nf3 Bc5 12. Nbd2 Na6 13. Bc4 d6 14. Nb3 Qb6 15. d4 Bxd4 16. Nfxd4 exd4 17. a5 Qc7 18. Bxa6 c5 19. Bb5+ Ke7 20. 0-0 Rhg8 21. f4 Rac8 22. Rd1 Ra8 23. a6 Bc6 24. Bxc6 Qxc6 25. Na5 Qd7 26. Rd3 Qe6 27. c4 f5 28. e5 dxe5 29. Qxe5 Qxe5 30. Nc6+ Kd6 31. Nxe5 Raf8 32. Kf2 f6 33. Nf3 Re8 34. Nh4 Re4 35. Kf3 Ke6 36. Ra5 Re1 37. Rxc5 Rf1+ 38. Ke2 Rxf4 39. g3 Re8 40. gxf4 Kd6+ 41. Kf3 Kxc5 42. Nxf5 Kxc4 43. Rxd4+ Kb3 44. Rd7 Kxb2 45. Rxa7 Re6 46. Rb7 Rxa6 47. Rxb4+ Kc1 48. Rb7 h5 49. Rc7+ Kd2 50. Ng3 Ra3+ 51. Kf2 h4 52. Ne4+ Kd3 53. Nxf6 Ra2+ 54. Kg1 Ke3 55. Nd5+ Kf3 56. Rc3+ Ke4 57. Nb4 Ra4 58. Rc4+ Kf3 59. Nd3 Rxc4 60. Ne5+ Kxf4 61. Nxc4 Kg4 62. Kg2 h3+ 63. Kf1 Kf5 64. Kf2 Kg4 65. Ne5+ Kf5 66. Kf3 Kxe5 67. Ke3 Kf5 68. Kf3 Ke5 69. Kg3 Kf5 70. Kxh3 Kg5 71. Kg3 Kf5 72. Kf3 Kg5 73. Ke3 Draw.

ROUND 5

EGA - Fidelity Excel Mach III 0 - 1

Colossus 4.0 - Fidelity Chessmaster 2100 0 - 1

White: EGA

Black: Fidelity Excel Mach III

1. d4 d5 2. Nf3 Nf6 3. Qd2 e6 4. e3 Nbd7 5. Bd3 c5 6. 0-0 c4 7. Be2 Ne4 8. Qd1 Bd6 9. Nbd2 Qc7 10. Nxe4 dxe4 11. Nd2 b5 12. Nxe4 Bxh2+ 13. Kh1 Bb7 14. Bf3 Rd8 15. g3 Bxe4 16. Bxe4 f5 17. Bf3 Bxg3 18. fxg3 Qxg3 19. d5 Ne5 20. Bg2 Ng4 White Resigns.

White: Colossus 4.0

Black: Fidelity Chessmaster 2100

1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Qxd4 Nc6 5. Bb5 Qd7 6. Nc3 Nxd4 7. Nxd4 Nf6 8. Bg5 e5 9. Bxf6 gxf6 10. Bxd7+ Kxd7 11. Ndb5 Kc6 12. Nd5 f5 13. Nbc7 Rb8 14. f3 fxe4 15. fxe4 f5 16. exf5 Bxf5 17. 0-0 Be4 18. c4 Rg8 19. g3 Bg7 20. Rae1 Bxd5 21. Nxd5 Rgf8 22. Re4 Rbe8 23. Rxf8 Rxf8 24. b4 Rf7 25. a4 b6 26. Kg2 a5 27. h4 axb4 28. Nxb4+ Kb7 29. g4 Rf8 30. Nd3 Bf6 31. g5 Bh8 32. Kg3 Bg7 33. h5 Rf1 34. h6 Bf8 35. Re1 Rf7 36. Kg4 Be7 37. Re4 Bd8 38. Re2 Rf1. 39. Re1 Rf8 40. Kh4 Rf5 41. Rg1 e4 42. Nb2 e3 43. Nd3 Ra5 44. Rg2 Rxa4 45. Nb2 Ra5 46. Nd3 Rf5 47. Rg3 b5 48. cxb5 e2 49. Rg2 Re5 50. Ne1 Ba5 51. Rg1 Rf5 52. g6 Rf1 53. Rg2 Bxe1+ 54. Kh3 Bf2 55. gxh7 e1=Q 56. Rg7+ Kb6 57. h8=Q Qe3+ 58. Kh2 Qf4+ 59. Kh3 Qf3+ 60. Kh2 Qh1 mate.

ROUND 6

Colossus 4.0 - EGA 1 - 0

Fidelity Chessmaster 2100 bye

Fidelity Excel Mach III bye

White: Colossus 4.0

Black: EGA

1. Nc3 Nc6 2. e4 Nf6 3. d4 e6 4. e5 Nd5 5. Nxd5 exd5 6. Nf3 d6 7. Bf4 dxe5 8. Nxe5 Qe7 9. Be2 Nxe5 10. Bxe5 f6 11. Bf4 g5 12. Bg3 Qb4+ 13. Kf1 Qxb2 14. Bxc7 Bb4 15. Rb1 Qc3 16. Bb5+ Ke7 17. Rb3 Qxc7 18. Rxb4 Bf5 19. Bd3 Bxd3 20. Qxd3 b6 21. Rb5 Qc6 22. h4 Kd6 23. hxg5 fxg5 24. Rh6+ Kc7 25. Rxc6+ Kxc6 26. c4 dxc4 27. Qxc4+ Kd7 28. Rxc5 Raf8 29. Rg7+ Kd8 30. Qc7+ Ke8 31. Qc8 mate.