1985
Computer Chess
Digest
Supplement

**Most of our editors
are temperamental, finicky,
hard-nosed hell-raisers.**

EDITORIAL

1984 will probably be remembered as a landmark year when the state of the art of chess microcomputers ascended to an unprecedented height. For the first time, people can buy a commercial chess computer that actually plays at a 2,000 rating or better under tournament time controls of 3 minutes per move. The combination of technical advances and programming improvements have made possible what only large and expensive mainframe computers could do just a few years ago.

Today's top computers, like Fidelity's Elegance and Novag's Super Constellation are performing better than last year's best machine, Prestige-B by 100 points or more. The last time such a gap existed between the strongest playing computer and the best from the previous year, was three years ago in 1981, when Fidelity came out with the original Elite Challenger. Sporting a rating no higher than 1800, it was between 75-125 points ahead of the best of the 1980 field. And with the Elite selling at discount for around $800, the performance/price ratio was 2 1/4 (points per dollar). Today, with lower prices and more advanced programs, the ratio has increased to 5-7 for top ranked machines.

Consumers are also benefiting from more intense competition brought about by a rejuvenated market, and a cheaper technology. Fidelity, which has been the industry standard bearer since the early days of chess computers, has recently been challenged by Novag. Right behind them are several other companies that have also made, or are planning to make substantial improvements on the strength of their own programs.

The manufacturers of Conchess and Mephisto chess computers, as well as SciSys, are expected to release upgraded versions of their existing programs sometime next year, and each has a good chance of attaining a 2,000+ rating.

Of all the computer chess tournaments held this year, three important ones stand out above the rest where the best micros competed against each other. They were: The Fourth World Microcomputer Chess Championship in Glascow Scotland, the Canadian Computer Chess Invitational Championship in Montreal, and the 15th Annual ACM North American Computer Chess Championship in San Francisco. Each is covered in this edition as well as other games from tournaments involving both computer vs. computer and computer vs. human games.

The games appearing in this issue for testing were conducted at the tournament speed of 40 moves in 2 hours (average of 3 minutes per move), and played with commercially available stock models--not prototypes. Of course, these games are by no means the last word on the exact rating of each computer. As the 1984 Computer Chess Digest reported, a 10 game match between two machines is simply not enough to give a very precise measurment of their true abilities. It is however, the closest estimate we have so far.

Robert Sostack

FALL 1984 (40/2) TOURNAMENT

GAME #	1	2	3	4	5	6	7	8	9	10	Total
Elegance	0	1/2	1/2	0	0	1	1	0	1/2	1	4 1/2
Super Constellation	1	1/2	1/2	1	1	0	0	1	1/2	0	5 1/2

GAME #	1	2	3	4	5	6	7	8	9	10	Total
Elite A/S - "C" (4.0)	1/2	0	1	1	1	1/2	0	1	1/2	0	5 1/2
Super Constellation	1/2	1	0	0	0	1/2	1	0	1/2	1	4 1/2

GAME #	1	2	3	4	5	6	7	8	9	10	Total
Constellation 3.6 MHz	1	1	0	1/2	1	1/2	0	1	1/2	1/2	6
S.C.- 12 (3 MHz)	0	0	1	1/2	0	1/2	1	0	1/2	1/2	4

SPEED CHESS TOURNAMENT (5 secs. per move)

Round	1	2	3	4	5	Total
1. Elite A/S - "C" (4.0)	X	6	6	6	7	25
2. Super Constellation	4	X	5	6.5	8	23.5
3. Elegance	4	5	X	6.5	7.5	23
4. Constellation 3.6	4	3.5	3.5	X	7	18
5. S.C.- 12 (3 MHz)	3	2	2.5	3	X	10.5

APPROXIMATE RATINGS

#		Rating		#		Rating
✗ 1.	ELITE A/S - "C" (4.0)	2025 2013		14.	SUPERSTAR	1770
✗ 2.	SUPER CONSTELLATION	2015 1975	✗ Marked-rating based on Super Constellation established 2015/52	15.	MEPHISTO II	1751
✗ 3.	ELEGANCE	2010 1994		16.	STEINITZ	1743
	SC 12 5.0 MHz	1930 1943		17.	SENSORY "9"	1737
4.	PRESTIGE - "B"	1904		18.	MEPHISTO III	1732
5.	ELITE A/S - "B"	1891			Conchess	1694
	Prestige	1875		20.	PHILADOR	1683
7.	CONSTELLATION 3.6	1860 1891		21.	CHAMPION SENSORY	1674
8.	SENSORY 12 - "C"	1858		22.	MARK V	1671
9.	ELITE A/S - "A"	1839		23.	CONCORD	1667
	SC 12 - "B"	1825		24.	MASTER CHESS TRIO	1653
10.	CONSTELLATION (2.0)	1816			Savant	1651
11.	SENSORY 9- "B"	1813		25.	PRODIGY	1607
12.	ELITE	1801		26.	EXPLORER	1577
13.	SUPER "9"	1788				

<u>4TH WORLD MICROCOMPUTER CHESS CHAMPIONSHIPS</u>
9TH TO 15TH SEPTEMBER 1984 * GLASGOW
SPONSORED BY COMPUTER GAMES LIMITED AND LANGS SUPREME WHISKY
IN ASSOCIATION WITH STAKIS HOTELS PLC

The 4th World Microcomputer Chess Championship which finished in Glasgow on Saturday produced an exciting and unique result with four computers sharing first place. Tension had been running high for the entire Championships with much at stake for the winners, especially amongst the commercial entrants. As the penultimate round finished, it was clear that a likely final result would be a tie and there was a growing feeling that the provision in the rules to split the tie (by the Bucholzt system) would not be appropriate when the likely contenders were so closely matched. It was therefore agreed by the appropriate participants and by the ICCA President that, for the first time, ties would not be resolved.

The four World Microcomputer Champions are therefore Fidelity Elite X, Mephisto S (A), Princhess X and Psion Chess. The winners represent a worldwide cross section coming from America, Germany, Sweden and England respectively. Programmer Richard Lang, author of Psion Chess, received a special prize of whisky from one of the joint sponsors, Langs Supreme Whisky!

The commercial World Microcomputer Champion - open only to those machines which are currently available in the shops - was won by Mephisto S (A) and the Amateur title by Chessnut 3 from Dunfermline, the only entry in this category.

After a witty speech, Professor Monroe Newborn, President of the International Computer Chess Association, presented Caithness Glass Bowls to the winners (or, in the case of the tying Microcomputers, that they would be sent on), during an awards ceremony sponsored by the Turing Institute and the University of Strathclyde.

There was general agreement that the standard of play of the top machines had improved during the past year. Some games and positions from the Championships are enclosed and a complete set of tournament bulletins is available on request.

Generous sponsorship from Computer Games Limited and Langs Supreme Whisky in association with Stakis Hotels plc allowed the Championships to be staged in hospitable style in the Stakis Ingram Hotel, in the heart of Glasgow. The Championships were organised by the Scottish Chess Association as part of the celebrations for their Centenary Year and were sanctioned by the International Computer Chess Association.

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17th September 1984

Conchess X – Mephisto B   French Defense

1. e4, e6 2. d4, d5 3. Nd2, c5 4. exd5, Qxd5 5. dxc5, Bxc5 6. Nf3, Nh6 7. Bc4,
Qf5 8. Nb3, Qe4+ 9. Be2, Nd7 10. Bxh6, gxh6 11. 0-0, Rg8 12. Nxc5, Nxc5 13.
Qd2, Bd7 14. b4, Na4 15. Qd3, Rg4 16. a3, 0-0-0 17. Qxe4, Rxe4 18. Bd3,
Rf4 19. Ne5, Be8 20. Bxh7, Nc3 21. g3, Rfd4 22. Rael, f6 23. Nd3, Bf7
24. Nc5, e5 25. Te3, Nd5 26. Rd3, Txd3 27. cxd3, Ne7 28. Rc1, Kb8
29. Be4, Nd5 30. Rc4, Rd6 31. d4, Nb6 32. Rc1, Rxd4 33. Bxb7, a5 34. bxa5,
Nc4 35. a6, Ka7 36. Ne4, f5 37. Nf6, Rd6 38. Nh7, Nxa3 39. Rc7, time 1:0
1:42   2:00

Mephisto C – Sargon III/Apple II   Spanish Opening

1. e4, e5 2. Nf3, Nc6 3. Bb5, a6 4. Ba4, Nf6 5. Nc3, b5 6. Bb3, Be7 7. Bd5,
Bb7 8. d4, exd4 9. Nxd4, b4 10. Na4, Nxd5 11. exd5, Nxd4 12. Qxd4, 0-0 13.
0-0, d6 14. Rd1, a5 15. a3, Bf6 16. Qc4, Ba6 17. Qb3, bxa3 18. Qxa3, Qe8
19. Nc3, Bc8 20. Bf4, Bf5 21. Re1, Qb8 22. Re2, Re8 23. Rxe8+, Qxe8 24.
Qb3, Rb8 25. Qa3, Bxc2 26. Qxa5, Qc8 27. Nb5, Qd7 28. Qxc7, Qxb5 29. Qxc2,
Qxd5 30. Qd1, Bd4 31. Be3, Rxc2 32. Bxd4, Rb8 33. Qg4, g6 34. f3, Qe6 35.
Qg5, Re8 36. Qf4, Qe7 37. Bc3, Qd8 38. Ra6, Qc8 39. Qd4, Qc5 40. Rxd6, Dxd4
41. Bxd4, Rc8 42. Rd7, Kf8 43. Bf6, Ke8 44. Td1, h6 45. Bg7, h5 46. Bf6, Rb8
47. g4, Kf8 48. gxh5, gxh5 49. Rd5, Ke8 50. Kf2, Rc8 51. Kg3, Ra8 52. Kh4,
Ra4+ 53. Kxh5, Ra8 54. Kh6, Kf8 55. Kh7, Ke8 56. Kg8, Rc8 57. h4, resigns.
1:0   2:43   2:08

Elegance – Princhess X   Alekhine Defense

1. e4, Nf6 2. e5, Nd5 3. d4, d6 4. Nf3, Bg4 5. Be2, c6 6. Ng5, Bf5 7. e6,
bxe6 8. nxe6, fxe6 9. Bg4, e5 10. dxe5, Qa5+ 11. Bd2, Qb6 12. Nc3, Qxb2
13. Qb1, Qxb1 14. Rxb1, dxe5 15. Rxb7, Nf6 16. Be6, N6d7 17. Ne4, g6 18.
Be3, Nf6 19. Nxf6+, exf6 20. Bxa7, Bd6 21. 0-0, Na6 22. Bd7+, Kf8 23. Bxc6,
Rc8 24. Bd5, Rc7 25. Rfb1, Be7 26. c4, h5 27. a4, Rh7 28. Be3, Bc5 29.
Rb8+, Ke7 30. Bxc5+, Nxc5 31. a5, g5 32. Ra1, g4 33. Rab1, Rd7 34. Rc8,
Ne6 35. Be4, Rg7 36. c5, Ra7 37. time.   0:1

Orwell – Conchess Y   Spanish Opening

1. e4, e5 2. Nf3, Nc6 3. Bb5, Bc5 4. 0-0, Nd4 5. Nxd4, Bxd4 6. c3, Bb6
7. Qh5, Qe7 8. d3, Nf6 9. Qg5, 0-0 10. Be3, Bxe3 11. Qxe3, d5 12.
exd5, Nxd5 13. Qe4, Nf6 14. Qe3, c6 15. Bc4, b5 16. Bb3, a5 17. d4,
e4 18. f3, Qc7 19. Nd2, a4 20. Bc2, exf3 21. Qxf3, Re8 22. Ne4,
Nxe4 23. Bxe4, Bd7 24. Qf4, Qxf4 25. Rxf4, g6 26. Rd1, Re7 27. Bf3, a3
28. b3, Rae8 29. Rf1, Re1 30. c4, bxc4 31. Rxe1, Rxe1+ 32. Kf2, cxb3 33.
Kxe1, bxa2 resigns.   0:1   1:32   1:27

Elite Y – Colossus 2,1   Nimzovitch Defense

1. e4, Nc6 2. d4, e5 3. dxe5, Nxe5 4. Nf3, Bb4+ 5. c3, Nxf3+ 6. Qxf3,
Bc5 7. Bc4, Nf6 8. e5, Qe7 9. Qe2, Ng8 10. 0-0, h5 11. Be3, Bxe3 12.
fxe3, Qxe5 13. Bxf7+, Kd8 14. Nd2, Nf6 15. Nc4, Qe7 16. Bg6, d5 17. Nd2,
Ng4 18. h3, Nxe3 19. Rae1, Rh6 20. Bxh5, Re6 21. Rf7, Qg5 22. Rf8+, Ke7
23. Re8+, Kd6 24. Rxe6+, Bxe6 25. Qxe3, Qxe3 26. Rxe3, Rf8 27. Bg6, c5
28. Rf3, Rxf3 29. Nxf3, d4 30. cxd4, bxa2 31. dxc5+, Kxc5 32. Ng5, Bd5 33.
Be4, Bxe4 34. Nxe4, Kd5 35. Ng5, b5 36. b4, Kc4 37. h4, Kxb4 38. h5, a5
39. Ne6, a4 4o. Nf4, a3 41. Nd3+, Kc3 42. Nc1, Kb2 43. Nd3+, Kb1 44.
Nb4, a2 45. Nxa2, Kxa2 46. Kf2, b4 47. g4, b3 48. h6, gxh6   resigns   0:1

Mephisto A - Elite X   Scandinavian Defense

1. e4, d5 2. exd5, Qxd5 3. Nc3, Qe6+ 4. Be2, Qg6 5. Nd5, Qd6 6. c4, c6
7. Nc3, e5 8. Nf3, Nf6 9. d4, exd4 10. Qxd4, Qxd4 11. Nxd4, Bb4 12. Bd2,
0-0 13. 0-0-0, Rd8 14. Bg5, Nbd7 15. Bd3, Bxc3 16. bxc3, Re8 17. f3,
Ne5 18. Bxf6, Nxd3+ 19. Rxd3, gxf6 20. Rhd1, Rd8 21. Re3, Be6 22. Nxe6,
Rxd1+ 23. Kxd1, Re8 24. Rd3, fxe6 25. Rd7, Rb8 26. f4, e5 27. fxe5, fxe5
28. Ke2, Rf8 29. Rxb7, Rf7 30. Rb8+, Rf8 31. Rb2, Kg7 32. Ke3, Rf7 33.
Ke4, Rf4+ 34. Kxe5, Rxc4 35. Rb7+, Kg6 36. Rxa7, Rxc3 37. g3, Rc5+ 38. Kd6,
Rc2 39. h4, Rc3 40. Ra5, Rxg3 41. Kxc6, h5 42. Kd6   draw agreed   ½:½
2:01   1:55

Psion Chess - Private Line   English Opening

1. c4, e5 2. Nc3, Nc6 3. Nf3, Nf6 4. e3, Bb4 5. Qc2, 0-0 6. Nd5, Bc5
7. Bd3, g6 8. a3, a5 9. b3, d6 10. Bb2, Bg4 11. Nxf6+, Qxf6 12. Be4,
Kg7 13. 0-0, Rh8 14. h3, Bxf3 15. Bxf3, h5 16. d3, Qf5 17. Qc3, Bb6 18.
Rac1, Qg5 19. Bd5, h4 20. Rc2, Qf6 21. Bf3, Qg5 22. Bg4, a4 23. b4,
f6 24. c5, dxc5 25. bxc5, Ba7   26. f4, Qh6 27. Qc4, Kh7 28. Bf3, Kg7
29. Qb5, Rhb8 30. Bxc6, bxc6 31. Qxc6, Rc8 32. Rf3, Qh5 33. fxe5, fxe5
34. Qf6+, Kh6 35. Bxe5, Rg8 36. Rf4, Raf8 37. Qxh4, Rf5 38. Qxh5+, Rxh5
39. Re4, Rf8 40. d4, Rf7 41. Rc4, Rhf5 42. Rxa4, Rf1+ 43. Kh2, c6 44.
Ra6, R1f2 45. Bf4, Kh7 46. Rxc6, Ra2 47. Ree6, Rg7 48. Be5, Rd7 49. Ra6,
Rc2 50. c6, Rf7 51. c7, Rcc7 52. Re8, Kh6 53. Bxc7, Rxc7 54. Ra8, Bxd4
55. exd4, Rd7 56. Rg8, Kh7 57. Rgxg6, resigns.   1:0   2:34   2:37

Chessnut 3   bye   ½

2nd round   10 September

Princhess X - SARGON/Compaq   Four Knights Opening

1. e4, e5 2. Nf3, Nc6 3. Nc3, Nf6 4. Bc4, Bb4 5. Nd5, Bc5 6. d3, 0-0
7. 0-0, d6 8. Bg5, Kh8 9. Nxf6, gxf6 10. Bh6, Rg8 11. Bxf7, Bh3 12.
Bxg8, Qxg8 13. Nh4, Bg4 14. Qd2, Qf7 15. Be3, Qh5 16. Bxc5, dxc5 17.
f3, Be6 18. Qf2, Rg8 19. a4, c4 20. dxc4, Bxc4 21. Rfd1, Nd4 22. c3,
Ne2+ 23. Kh1, Nf4 24. g3, Nd3 25. Qe2, Rd8 26. b3, Qf7 27. bxc4, Qxc4
28. Rd2, f5 29. Nxf5, Qxc3 30. Radl, Qb4 31. Rxd3, Rg8 32. Qa2, Qc5 33.
Qe6, Qf8 34. Rd8, h5 35. Rxf8, Rxf8 36. Qh6+, Kg8 37. Qg7 mate. 1:0
1:18   1:29

Chessnut 3 - Elegance   Sicilian Defense

1. e4, c5 2. Nf3, Nc6 3. d4, cxd4 4. Nxd4, g6 5. Nc3, Bg7 6. Ndb5,
a6 7. Na3, Bxc3+ 8. bxc3, Nf6 9. Bd3, d5 10. exd5, Qxd5 11. 0-0, Bg4
12. Qe1, Ne5 13. Qd2, Rd8 14. h3, Bxh3 15. Bb5+, axb5 16. Qg5, Bxg2
17. Qxg2, Nf3+ 18. Qxf3, Qxf3 19. Nxb5, Qg4+ 20. Kh2, Qh5+ 21. Kg2, Qxb5
22. Bf4, Qc4 23. Bg3, Qxc3 24. Radl, Rxdl 25. Rxdl, Qxc2 26. Ral, b5
27. Bb8, h5 28. Bh2 and resigns. 0:1   1:27   1:14

Elite X - Orwell   French Defense

1. e4, e6 2. d4, d5 3. e5, c5 4. dxc5, Nc6 5. Nf3, Bxc5 6. Bd3, f6 7. Qe2,
Bd7 8. 0-0, Qb6 9. Nc3, Nb4 10. Bf4, Nxd3 11. cxd3, Rc8 12. a4, Qb4 13.
Qd2, g5 14. Bg3, g4 15. Nh4, Bd4 16. Qe2, f5 17. Rfb1, Ne7 18. Qd2, Rc5
19. Qg5, Rf8 20. Bf4, Ra5 21. Bd2, Qb6 22. Qf4, Ra6 23. a5, Qd8 24. Qd4,
Nc6 25. Qc5, Nxa5 26. Nb5, Rc6 27. Nd6+, Rxd6 28. Qxd6, Nb3 29. Bh6, Rf7
30. Rxa7, Bc8 31. Qxd8+, Kxd8 32. Be3, d4 33. Bg5+, Kd7 34. Ra3, h6 35.
Bf4, Nc5 36. Rc1, b6 37. Ra7+, Ke8 38. Rxf7, Kxf7 39. b4, Nxd3 40. Rc7+,
Ke8 41. Rxc8+, Kd7 42. Rc4, Nxf4 43. Rxd4+, Nd5 44. Nxf5, exf5 45. Rxd5+,
Ke6 46. Rb5, resigns.   1:0   2:03   1:38

Sargon III/Apple II - Mephisto A   Queen's Pawn Opening

1. d4, d5 2. Nc3, Nf6 3. Bg5, h6 4. Bxf6, exf6 5. e3, Bb4 6. Bb5+, c6 7.
Bd3, Bxc3+ 8. bxc3, Qa5 9. Ne2, c5 10. dxc5, 0-0 11. 0-0, Nc6 12. Nf4,
Rd8 13. Qh5, Ne5 14. Rb1, Qxa2 15. Rb4, Qa3 16. Ne2, a5 17. Rd4, Be6
18. Rb1, Rdb8 19. f4, Nc6 20. Rxd5, Qa2 21. Rb3, Bxd5 22. Qxd5, a4 23.
Bc4, Qa1+ 24. Qf2, axb3 25. Qxf7+, Kh8 26. cxb3, Qh1 27. Ng3, Qxh2 28.
Nf5, Ra2+ 29. Be2, Rxe2+ 30. Kxe2, Qxg2+ 31. Kd3, Qg4 32. Nd6, Qd1+ 33.
Ke4, Qc2+ 34. Kf3, Qxc3 35. Ne8, f5 36. Qf8+, Kh7 37. Qxf5+, Kg8 38. Qd5+,
Kh8 39. Nd6, Na5 40. Nf7+, Kh7 41. Qe4+, g6 42. Ne5, Rg8 43. f5, Qxb3
44. Nxg6, Qd1+ 45. Kf2, Qd2+ 46. Kf3, Nc6 47. Qb1, Rg7 48. Qb3, Qd8 49.
Ke2, Qf6 50. Qd5, Qb2+ 51. Kf3, Ne7 52. Qe5, Qc2 53. e4, Qd3+ 54. Kf2,
Nxg6 55. fxg6+, Rxg6 56. Qf5, Kg7 57. Qe5+, Rf6+ 58. Ke1, Qf1+ 59. Kd2,
Qf4+ 60. Qxf4, Rxf4 61. Ke3, Rf6 62. e5, Rf8 63. Ke4, Re8 64. Kd4, h5
65. Ke4, h4 66. Ke3, h3 67. Kf2, h2 68. Kg2, Rxe5 69. Kxh2, Rxc5 70.
Kg3, b5 71. Kf4, b4 72. Ke4, b3 73. Kd4, Rc1 74. Ke5, Rd1 75. Kf5, b2 76.
Ke6, b1Q 77. Ke5, Qb4 78. Kf5, Kf7 79. Ke5, Rd2 80. Kf5, Rd5 mate   0:1
3:05   4:54

Mephisto B - Elite Y   Sicilian Defense

1. e4, c5 Nf3, Nc6 3. Bb5, e6 4. 0-0, Nge7 5. d3, d5 6. Nc3, a6 7. Bxc6+,
Nxc6 8. exd5, exd5 9. Bg5, f6 10. Bf4, Be7 11. d4, g5 12. Be3, Bg4 13.
Qd3, Bxf3 14. gxf3, f5 15. f4, gxf4 16. Bxf4, Nxd4 17. Be5, Rg8+ 18. Kh1,
Nc6 19. Qxd5, Qxd5 20. Nxd5, Nxe5 21. Rfe1, Nc6 22. Nc7+, Kf7 23. Nxa8,
Rxa8 24. c3, Rg8 25. Radl, c4 26. Rd7, b5 27. b3, h5 28. Rc7, Rg6 29.
bxc4, bxc4 30. f4, Rd6 31. Kg1, Kf8 32. Kf1, Bf6 33. Re3, Bd8 34. Rh7,
h4 35. Rh5, Rd1+ 36. Re1, Rd5 37. Re6, Ne7 38. Rxa6, Rd1+ 39. Ke2, Rd3
40. Ra7, Rxc3 41. Rh8+, Ng8 42. Ra8, Rd3 43. Rxh4, Kf7 44. Rh7+, Kg6 45.
Rb7, Nf6 46. Rb4, Rd4 47. Rc8, Nd5 48. Rbxc4, Nxf4+ 49. Ke3, Rxc4 50. Rc4,
Nd5 51. Kd4, Nb6 52. Rc6+, Bf6+ 53. Kd3, Nd7 54. Rd6, Ne5+ 55. Ke2, f4
56. a4, f3+ 57. Kf2, Kf5 58. a5, Bh4+ 59. Kf1, Nc4 60. Rd3, Ke4 61. Rxf3,
Kxf3 62. Kg1, Bf2+ 63. Kh1, Nxa5 64. h3, Kg3 65. h4, Be3 66. h5, Nc4 67.
h6, Bxh6 68. Kg1, Nd2 69. Kh1, Bg7 70. Kg1, Be5 71. Kh1, Nf1 72. Kg1, Ne3
73. Kh1...   draw agreed in the 103rd move   ½:½   2:51   4:39

                        Private Line   bye   ½

                3rd round   11 September

Elite Y - Chessnut 3   Caro Cann Defense

1. e4, c6 2. d4, d5 3. exd5, cxd5 4. Bd3, f5 5. Nf3, Nf6 6. 0-0, Qd6
7. Nc3, Bd7 8. Ne5, Qe6 9. Bf4, Nc6 10. Nb5, 0-0-0 11. Nxc6, bxc6 12.
Nc7, Qd6 13. Bxd6, exd6 14. Qd2, c5 15. dxc5, dxc5 16. Nxd5, Nxd5 17.
Ba6+, Kc7 18. Qxd5, Bc8 19. Qe5+, Kc6 20. Bxc8, Bd6 21. Qxg7, Rxc8 22.
Qxa7, Ra8 23. Qf7, f4 24. Rfd1, Bc7 25. Rd7, Ba5 26. Qd5+, Kb5 27. a4+,
Ka6 28. Qb7 mate 1:0   1:09   1:09

Sargon III/Compaq - Conchess X   Skandinavian Defense

1. Nf3, Nc6 2. e4, d5 3. exd5, Qxd5 4. Be2, e5 5. Nc3, Qd8 6. 0-0, Bd6
7. Bb5, Ne7 8. Bxc6+, Nxc6 9. Re1, 0-0 10. Nb5, Bg4 11. d3, Qf6 12.
Nxd6, cxd6 13. Be3, d5 14. Bc5, Rfe8 15. c3, Bxf3 16. Qxf3, Qxf3 17.
gxf3, f6 18. c4, Red8 19. Kf1, b6 20. Ba3, Nd4 21. Be7, Rd7 22. Bb4,
Nc2 23. a3, Nxa1 24. Rxa1, dxc4 25. dxc4, Rc8 26. Rc1, a5 27. Be1, Rd3
28. Kg2, a4 29. Bb4, Rd7 30. f4, exf4 31. Kf3, g5 32. h4, gxh4 33.
Rg1+, Kf7 34. Rc1, h5 35. Rh1, Rxc4 36. Rxh4, Kg6 37. Rxf4, Rd3+ 38.
Ke2, Rxf4 39. Kxd3, h4 40. Bd2, Rf5 41. Ke4, h3 42. Bf4, Rxf4+ 43.
Kxf4, h2 44. Ke3, h1Q 45. Ke2, Qa1 46. b3, axb3 47. a4, b2 48. f4,
b1Q 49. Ke3, Qc3+ 50. Kf2, Qbc2+ 51. Kf1, Qa1 mate. 0:1 1:35   1:24

Conchess Y - Mephisto C   Alekhine Defense

1. e4, Nf6 2. e5, Nd5 3. d4, d6 4. Nf3, Bg4 5. Be2, c6 6. Ng5, Bf5 7.
Bh5, g6 8. Qf3, Qa5+ 9. Kf1, Qa6+ 10. Kg1, Qa5 11. Nd2, Bh6 12. Nxf7,
Kxf7 13. Qxf5+, Kg7 14. Qe6, Bxd2 15. c4, Bxc1 16. Rxc1, Qxa2 17. cxd5,
Qxb2 18. Qxe7+, Kh6 19. Bd1, dxe5 20. Qh4+, Kg7 21. Qe7+, Kg8 22. Qe8+,
Kg7 23. Qxe5+, Kg8 24. Qe3, Kg7 25. dxc6, Nxc6 26. Rc2, Qa1 27. Qd2,
Rhd8 28. d5, Rxd5 29. Qxd5, Rd8 30. Qxd8 , Nxd8 31. Rd2, Nf7 32. g3,
Qc1 33. Rd5, Qc6 34. Rd4, Ne5 35. Rd2, a6 36. Rd4, Nf3+ 37. bxf3, Qxf3
38. Rd7+, Kh6 39. Rd4, b5 40. Rf4, Qd5 41. h4, a5 42. h5, Kg7 43. hxg6,
hxg6 44. Rfh4, a4 45. Rh7+, Kf6 46. Ra7, Kf5 47. Rh8, Ke4 48. Rb8, Kf3,
49. Ra6, g5 50. Rf8+, Ke2 51. Re8+, Kd3 52. Rg6, Kc4 53. Rc8+, Kb3
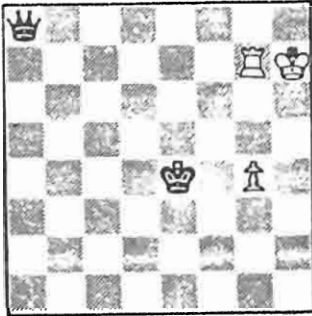
At this point - around midnight - the game had been in
play for about 10 years and the 50 move rule had started
at move 70.   White now surprised supporters by moving
the g-pawn.   99 g5 Qf3 100 Rg8 Qf7   101 Rg7 Qh5+   102
Kg8 Ke5   103 Re7+ Kf5 104 Rh7 Qe2 105 Kf8 Qe6   106
Rf7+! (A lovely stalemate theme draw appears) Kxg5 107
Rg7+ Kf5 108 Rf7+ Kg6 109 Rg7+ Kh5 110 Rh7+ Kg4 and a
draw was adjudicated on move 121.

L'Empereur - Psion Chess   English Opening

1. c4, e5 2. Nc3, Nf6 3. Nf3, Nc6 4. e3, Bb4, 5. Qc2, 0-0 6. Nd5, Re8
7. Nxf6+, Qxf6 8. Bd3, h6 9. 0-0, Bc5 10. Bh7+, Kh8 11. Be4, Nb4 12. Qa4,
Nc6 13. d3, a6 14. Bd2, Rb8 15. Rfc1, Kg8 16. b4, Bf8 17. b5, Nd8 18.
Bc3, Bc5 19. Qa5, Qd6 20. Rab1, axb5 21. cxb5, b6 22. Qa7, c6 23. Qa4,
Bb7 24. Qb3, Ra8 25. a4, cxb5 26. axb5, b7xe4 27. dxe4, Qb8 28. Ra1, d6
29. Ra6, Qb7 30. Ra4, Rxa4 31. Qxa4, Ne6 32. Ra1, Qe7 33. Qb3, Nc7 34.
Ra7, Qd7 35. Bb4, Qxb5 36. Rxc7, Rf8 37. Rb7, Bxb4 38. Rc7, Qa5 39. Rc1,
Qa3 40. Qxa3, Bxa3 41. Rb1, Bc5 42. Ra1, f5 43. exf5, Rxf5 44. Ra8+, Kf7
45. Nh4, Rf6 46. Ra7+, Kg8 47. Nf3, g6 48. Ra8+, Kf7 49. Nd2, d5 50.
Nf3, e4 51. Ne5+, Ke6 52. Re8+, Be7 53. Nc6, Kd7 54. Rxe7+, Kxc6 55.
Ra7, h5 56. Ra2, g5 57. Rc2+, Kd7 58. Rb2, h4 59. g4, h3 60. Kf1, Kc7
61. Ke2, Rf3 62. Rc2+, Kb7 63. Rc1, Rf8 64. Rc2, Rf6 65. Rd2, Kc6 66.
Rc2+, Kd7 67. Ra2, Rc6 68. f4, gxf4 69. exf4, Kd6 70. Rd2, b5 71. g5,
Rc1 72. Rb2, d4 73. Rxb5, Rc2+ 74. Kd1, Rxh2 75. Rb6+, Rc5 76. Re6, e3
77. Re5+, Kc4 78. g6, Kd3 79. Kc1, e2 80. g7, Rg2   resigns 0:1
3:47   2:15

Colossus 2,1 - Concess X   English Cpening

1. c4, e5 2. Nc3, Nf6 3. Nf3, Nc6 4. e3, d6 5. d4, Bf5 6. d5, Ne7 7. Be2,
c6 8. 0-0, e4 9. Nd4, Bg6 10. Qa4, Qc8 11. Bd2, Qc7 12. dxc6, bxc6 13.
Rad1, Rb8 14. b3, Nd7 15. Bg4, Qb7 16. Rfe1, Nc5 17. Qa5, Nd3 18. Re2,
Ne5 19. Bh3, Rd8 20. Rb1, d5 21. cxd5, Nxd5 22. Nxd5, Rxd5 23. Qa4, Bc5
24. Nf5, 0-0 25. Bc3, Qb5 26. Qxb5, cxb5 27. b4, Nd3 28. Nxg7, Bd6 29.
Ne6, fxe6 30. Bxe6+, Bf7 31. Bxd5, Bxd5 32. a3, Nxf2 33. Rxf2, Bxh2+ 34.
Kxh2, Rxf2 35. Rd1, Rc2 36. Rxd5, Rxc3 37. Rg5+, Kh8 38. Rxb5, Rxa3 39.
Rb8+, Kg7 40. Rb7+, Kg6 41. b5, Rxe3 42. Rxa7, Rb3 43. Rb7, Kf6 44.
b6, e3 45. Kg3, e2+ 46. Kf2, Re3 47. Re1, Ke6 48. Rxh7, Rb3 49. Kxe2, Rb2+
50. Kd3, Rxg2 51. b7, Rb2 52. Kc3, Rb1 53. Kc2, Rb5 54. Rg7, Kd6 55.
Rf7, Kc6 56. Rf6+ , draw   ½:½

Private Line - Mephisto B   French Defense

1. e4, e6 2. d4, d5 3. e5, c5 4. dxc5, Nc6 5. Nf3, Bxc5 6. Bd3, f5 7. 0-0,
Nge7 8. a3, 0-0 9. b4, Bb6 10. Bb2, Ng6 11. b5, Nce7 12. Nbd2, Bd7
Ng5, Qc7 14. Qe2, Nf4 15. Qf3, Neg6 16. Qg3, Nxd3 17. cxd3, Qc2 18. Bc1,
Bd4 19. Rb1, Bc3 20. Qe3, f4 21. Qh3, h6 22. Nf3, Qxd3 23. Re1, Qc2 24.
Qg4, Qf5 25. Qxf5, Rxf5 26. Bb2, Bxd2 27. Nxd2, Bxb5 28. Bd4, a6 29. Rbc1,
Rd8 30. Nb3, Rg5 31. Nc5, Re8 32. Kh1, Nh4 33. Nxb7, Rxg2 34. Nd6, Rf8 35.
Nxb5, axb5 36. Red1, Ra8 37. Rd3, Rg5 38. Rc6, Kf7 39. Rc7+, Kg6 40. Re7,
Ra6 41. Rc7, Kh7 42. Rb3, Ra4 43. Bb2, Rg2 44. Rc2, Re4 45. Bc3, d4 46. Rb4,
Rg5 47. Rc1, Nf3 48. Bb2, Rgxe5 49. Rd1, Re1+ 50. Rxe1, Rxe1+ 51. Kg2, d3 52.
Kxf3, d2 53. Rd4, d1Q 54. Rxd1, Rxd1 55. h4, Rd2 56. Bc1, Ra2 57. Kxf4, Kg6
58. f3, Kh5 59. Ke5, Re2+ 60. Kd4, Rc2 61. Be3, g6 62. Kd3, Rc4 63. Ke2, Rc3
64. Bd2, Rxa3 65. Be1, Ra1 66. Bd2, Rg1 67. Be1, Rh1 68. Bb4, Rxh4 69. Be1,
Ra4 70. Kd3, Ra3+ 71. Ke4, g5 72. Bg3, b4 73. Be5, Ra5 74. Bg7, Ra2 75. Kd3,
Kg6 76. Bd4, h5 77. Kc4, Rd2 78. Ba7, Kf5 79. Kxb4, e5 80. Kc3, Rg2 81. f4,
h4 82. fxe5 and resigns. 0:1   4:06   3:27

Mephisto A - Colossus 2,1   Scandinavian Defense

e4, d5 2. exd5, Nf6 3. Bb5+, Bd7 4. Bc4, b5 5. Bb3, Bg4 6. f3, Bf5 7.
Qe2, a6 8. Qe5, Bg6 9. a4, Nd7 10. Qc3, bxa4 11. Rxa4, Nb6 12. Qc6+,
Qd7 13. Qxd7+, Nfxd7 14. Ra5, e6 15. dxe6, fxe6 16. Na3, Bb4 17. Rg5,
Nc5 18. Ba2, 0-0 19. Ne2, Rf6 20. Nd4, h6 21. Rg4, Bxa3 22. bxa3, Nd5
23. d3, Nc3 24. Bc4, Rb8 25. 0-0, Rb1 26. Bd2, Rxf1+ 27. Kxf1, Nd1 28.
Bf4, Bf7 29. Ke1, h5 30. Rh4, Nb2 31. Be5, Nxc4 32. Bxf6, Ne3 33. Kf2,
Nxg2 34. Kxg2, gxf6 35. Nc6, Kf8 36. Rc4, Nd7 37. Ra4, Rb6 38. Rxa6, Be8
39. Nd4, Ke7 40. Kf2, Kd6 41. Ke3, e5 42. Nf5+, Kc5 43. Ra5+, Kc6 44.
c4, Bf7 45. Ke2, Be6 46. Ng7, Bf7 47. f4, exf4 48. Nxh5, Bxh5+ 49. Rxh5,
Nd7 50. Rf5, Kd6 51. Rxf4, Ke5 52. Ke3, f5 53. h3, Nf8 54. a4, Ng6 55.
a5, Ne7 56. Rd4, c5 57. Rd7, f4+ 58. Kf2, Nc6 59. a6, time   1:0
2:39   3:00

Mephisto C - Elite X   Sicilian Defense

1. e4, c5 2. Nf3, Nc6 3. Bb5, e6 4. 0-0, Nge7 5. b3, d5 6. Nc3, a6 7. Be2,
Nd4 8. Ba3, Nxe2+ 9. Qxe2, Qa5 10. Bb2, d4 11. Nb1, Ng6 12. c3, Nf4 13.
Qd1, d3 14. Ne1, Ne2+ 15. Kh1, Qd8 16. c4, b6 17. Nc3, Nf4 18. Qf3, e5
19. Nd5, Nxd5 20. cxd5, Bd6 21. Nxd3, f6 22. Qh5+, g6 23. Qh6, Bf8 24.
Qh4, Be7 25. f4, exf4 26. Qh6, g5 27. Qg7, Rf8 28. Qxh7, Rb8 29. Kg1, Bd6,
30. Qg6+, Rf7 31. e5, fxe5 32. Bxe5, Bxe5 33. Nxe5, Qf6 34. Qh5, Rb7
35. Nxf7, Rxf7 36. Rae1+, Kd8 37. Rf2, Kc7 38. a3, Qg7 39. b4, Rd7 40.
bxc5, bxc5 41. h4, Rxd5 42. Rxf4, Bd7 43. Rc4, Qb2 44. Recl, Bc6 45. d4,
Rxd4 46. Qxg5, Rd2 47. Qf4+, Kb7 48. Qf7+, Kb6 49. Kh2, Qe5+ 50. Rf4,
Rxg2+ 51. Kh3, Qe3+ 52. Rf3, Bxf3 53. Rb1+, Ka5 54. Qc7+, Ka4 55. Qa5+,
Kxa5 56. Rb5+, axb5 57. h5, Bd5+ 58. Kh4, Qg3 mate. 0:1

Orwell - Sargon III/Apple II   French Defense

1. e4, e6 2. d4, d5 3. Nc3, Bb4 4. e5, c5 5. Bd2, Ne7 6. a3, Bxc3 7.
Bxc3, b6 8. b4, Qc7 9. Nf3, cxb4 10. Bxb4, Ba6 11. Bd3, Bxd3 12. Qxd3,
Nc6 13. Bd6, Qd7 14. 0-0, Nf5 15. Bb4, Nxb4 16. axb4, Rc8 17. g4, Nh6
18. h3, 0-0 19. Ng5, f5 20. exf6, gxf6 21. Nf3, Nf7 22. Re1, Nd6 23.
Re2, Ne4 24. Nd2, Rc3 25. Qa6, Ng5 26. Ra3, Nxh3+ 27. Kh1, Rfc8 28. Raxc3,
Rxc3 29. Nf1, e5 30. Nh2, exd4 31. Rd2, f5 32. Qe2, d3 33. Rxd3, Nf4 34.
Qe5, Nxd3 35. Qxc3, Nxf2+ 36. Kg2, Nxg4 37. Nxg4, fxg4 38. Qf6, b5 39.
Qa6, Kg7 40. Kg3, d4 41. Kh4, Kf7 42. Kg3, Ke7 43. Kh4, Kd8 44. Qa2, a6
45. Qxa6, Qf5 46. Qb6+, Ke8 47. Qb8+, Ke7 48. Qa7+, Kf8 49. Qc5+, Qxc5
50. bxc5, h5 51. c6, Ke7 52. c7, Kd7 53. Kg3, b4 0:1   2:11   2:20

Psion - Princhess X   English Opening

1. c4, e5 2.Nc3, Nf6 3. Nf3, Nc6 4. e3, d6 5. d4, Bf5   6. Be2, Qd7 7.
0-0, Be7 8. dxe5, dxe5 9. Qxd7+, Bxd7 10. Nd5, Bd8 11. b3, 0-0 12.
Bb2, Bg4   13. h3, Be6 14. Nxe5, Nxe5 15. Bxe5, Nxd5 16. cxd5, Bxd5 17.
Rac1, c6 18. Bd3, Bg5 19. f4, Bd8 20. g4, Bb6 21. Kf2, Rfe8 22. g5, Bxe3+
23. Kxe3, f6 24. gxf6, gxf6 25. Rg1+, Kh8 26. Rg5, Rxe5+ 27. Rxe5, fxe5
28. fxe5, Rg8 29. Bf5, a5 30. h4, Rg3+ 31. Kf4, Rf3+ 32. Kg5, a4 33.
bxa4, Bxa2 34.h5, Rg3+ 35. Kf6, Rg8 36. h6, Rf8+ 37. Kg5, Rg8+ 38. Kf4,
Ra8 39. Bc2, c5 40. Be4, Ra5 41. Kf5, b6 42. Rd1, Bg8 43. Rd8, c4 44. Bc6,
c3 45. Bb5, Rxb5 46. axb5, c2 47. Rc8, c1Q 48. Rxc1, Bf7 49. Rc7, Be8 50.
Rc8, Kg8 51. Kf6, Kf8 52. e6, Kg8 53. Rxe8 mate.   1:0   1:23   1:29

Elegance - L'Empereur   Italian Opening

1. e4, e5 2. Bc4, Nf6 3. d3, d5 4. exd5, Nxd5 5. Nf3, Nc6 6. 0-0, Bc5 7.
Re1, Bg4 8. h3, Bxf3 9. Qxf3, Nf6 10. Ba6, Qc8 11. Qxc6+, bxc6 12. Bxc8,
Rxc8 13. Rxe5+, Be7 14. Nc3, Nd7 15. Re1, Rb8 16. b3, Nb6 17. Bf4, Rb7
18. Re2, h5 19. Rae1, Nc8 20. Na4, a6 21. Nc5, Ra7 22. d4, a5 23. c4, h4
24. Bg5, f6 25. Bd2, Kf7 26. Re4, Rh5 27. Ne6, f5 28. Re5, a4 29. Nf4,
Rg5 30. Nd5, cxd5 31. Rxe7+, Nxe7 32. Bxg5, Ng6 33. cxd5, axb3 34. axb3,
Ra5 35. Rc1, Rxd5 36. Rxc7+, Kg8 37. Bd2, Nf8 38. Bc3, Ne6 39. Rc8+, Kf7
40. Rc4, Kf6 41. Kf1, g5 42. f3, f4 43. Ke2, Kf5 44. Kd3, Rd6 45. b4, Rb6
46. Rc8, Rd6 47. Kc4, Rd7 48. d5, Nc7 49. d6, Ne6 50. Kd5, Rf7 51. b5,
Nf8 52. b6, Ng6 53. Rc7, Rf8 54. b7, Ne7+ 55. dxe7, Re8 56. Rc6, g4 57.
hxg4+, Kg5 58. Bg7, Rh8 59. b8Q, Rxb8 60. Bh6 mate. 1:0

Sargon III/MacIntosh - Conchess Y   Irregular

1. b3, e5 2. Bb2, Nc6 3. e3, d5 4. Bb5, Qg5 5. Nf3, Qxg2   6. Rg1, Qh3
7. Bxe5, Bg4 8. Rg3, Qh5 9. Bxc7, Nh6 10. h3, Be6 11. Be2, Nf5 12. Nd4,
Qh4 13. Nxf5, Bxf5 14. Bg4, Bxg4 15. Qxg4, Qxg4 16. Rxg4, Rc8 17. Bh2,
Nb4 18. Na3, h5 19. Rg5, Rxc2 20. Nb5, f6 21. Rf5, Rc5 22. Nd4, Ra5 23.
a3, Be7 24. Ke2, Kd7 25. Rg1, Rxa3 26. Rxg7, Ke8 27. Nb5, Rxb3 28. Bd6,
Bd8 29. Rxb7, a5 30. Bxb4, Rxb4 31. Rxd5, f5 32. Rxf5, Be7 33. Ra7, Rh6
34. Nc7+, Kd8 35. Nd5, Bc5 36. Rxa5, Rc4 37. d3, Rc1 38. Kd2, Bxe3+ 39.
fxe3, Rhc6 40. Nb4, Rc8 41. Rxh5, R1c7 42. e4, Ke8 43. h4, Kf7 44. Rhf5+,
Kg7 45. Nd5, Rb7 46. d4, Rb2+ 47. Ke3, Rb3+ 48. Kf4, Rb7 49. Nf6, Rc1
50. Ke5, Rc2 51. d5, Rh2 52. h5, Rg2 53. Ke6, Kh6 54. Ra8, Rh7 55. Nxh7,
Kxh7 56. Rf7+, Kh6 57. Rh8+, Kg5 58. Rg8+, Kh4 59. Rxg2, Kh3 60. Rfg7,
Kh4 61. Rh2 mate.   1:0   2:14   2:46

                    4th round   12th September 1984

Colossus 2,1 - Mephisto C   English Opening

1. c4, Nc6 2. d4, e5 3. dxe5, Nxe5 4. e3, Nf6 5. Nc3, Nb4 6. Bd2, 0-0
7. a3, Bc5 8. Na4, Ne4 9. Nxc5, Nxc5 10. Bc3, d6 11. Nf3, f6 12. Nxe5,
fxe5 13. Be2, Be6 14. 0-0, Qg5 15. Bb4, Rab8 16. Bxc5, dxc5 17. Bd3, Qh4
18. Qa4, Rbd8 19. Radl, e4 20. g3, Qg4 21. Bbl, a6 22. Qc2, Rxdl 23.
Rxdl, Qf3 24. Rd2, Bf5 25. a4, c6 26. h4, Bg6 27. Rd6, Qf5 28. Qd2, Qf7
29. Ba2, Qf3 30. Rd7, b6 31. Rb7, Bf5 32. Kh2, Be6   33. Rxb6, Bh3 34.
Kxh3, Qh1+ 35. Kg4, h5+ 36. Kg5, Qh3 37. Qd7, Qxd7 38. Rxa6, Qf5 mate.
0:1   1:53   1:20

Sargon III/Apple II - Intelligent Chess Software   Irregular

1. b3, e5 2. Bb2, Nc6 3. e3, Nf6 4. Bb5, Bb4 5. Bxc6,dxc6 6. Bxe5, Bg4
7. Nf3, Qe7 8. c3, Bd6 9. Bxd6, Qxd6 10. d4, 0-0-0 11. Nd2, Kb8 12.
0-0, Rhe8 13. Qb1, g6 14. Ne5, Qe7 15. Nxg4, Nxg4 16. e4, Nf6 17. e5,
Nd5 18. Rc1, f5 19. Nf3, Rf8 20. c4, Nf4 21. Re1, g5 22. Qc1, h6 23. Qe3,
Rf7 24. Radl, Qe6 25. Qd2, Qe7 26. Kh1, Qa3 27. b4, Ne6 28. d5, cxd5
29. cxd5, Nf4 30. d6, cxd6 31. Re3, Qa4 32. exd6, Qc6 33. Rc3, Qb5 34.
Rc5, Qe8 35. Ne5, Rf6 36. d7, Qg8 37. Rc8+, Rxc8 38. dxc8Q+, Kxc8 39.
Rc1+, resigns.   1:0   1:28   1:41

Conchess X - Mephisto A   Queen's Gambit

1. d4, d5 2. c4, dxc4 3. Nf3, a6 4. e3, b5 5. a4, Bb7 6. Nc3, c6 7. Be2,
Nd7 8. 0-0, e6 9. e4, Be7 10. axb5, cxb5 11. d5, exd5 12. Nxd5, Ngf6
13. Bf4, Nxd5 14. exd5, Bc5 15. Re1, 0-0 16. Qc2, Bxd5 17. Ng5, Nf6 18.
Be5, Re8 19. Bxf6, Qxf6 20. Qxh7+, Kf8 21. Bf3, Re5 22. Rxe5, Qxe5 23.
Bxd5, Qxd5 24. Re1, Bxf2+ 25. Kxf2, Qd4+ 26. Kf1, Qd3+ 27. Kg1, Qxh7 28.
Nxh7+ , Kg8 29. Ng5, f6 30.Ne4, Kf8 31. g4, Re8 32. Kf2, Re5 33. Nd6,
Rxe1 34. Kxe1, Ke7 35. Nf5+, Kf8 36. Kd2, Kf7 37. h4, g6 38. Nd6+, Ke6
39. h5, gxh5 40.gxh5, Ke7 41. h6, Kf8 42. Ne8, Kg8 43. Nxf6+, Kf7 44.
h7, Kg7 45. Kc3, a5 46. Kd4, Kh8 47. Kc5, c3 48. bxc3, b4 49. cxb4, axb4
50. Kxb4, Kg7 51. Kc5 and draw in the 62nd move   ½:½   2:46   1:50

Conchess Y - Elite Y   English Opening

1. c4, e5 2. Nc3, Nf6 3. Nf3, Nc6 4. d4, e4 5. Nd2, Bb4 6. d5, Ne5 7. Qc2,
Bxc3 8. bxc3, c6 9. Nxe4, Nxc4 10. Nxf6+, gxf6 11. Qe4+, Ne5 12. dxc6, d5
13. cxb7, Bxb7 14. Qa4+, Bc6 15. Qb4, Rb8 16. Qa3, Qd7 17. e3, Rg8 18. f3,
Ba4 19. Bb2, Qc6 20. c4, Nxc4 21. Bxc4, dxc4 22. Bxf6, Qxf6 23. Qxa4+, Kf8
24. Qa3+, Qe7 25. Qxe7+, Kxe7 26. 0-0, c3 27. Racl, Rgc8 28. Rc2, Rc5 29. a4,
Rbc8 30. g4, h5 31. gxh5, Rxh5 32. Rfcl, Rhc5 33. h4, Kf6 34. Kf2, Kg6 35.
Rg1+, Kh5 36. Rg4, a5 37. Rf4, R8c7 38. Kel, R5c4 39. Rf5+, Kxh4 40. Ra5, Kg3
41. Ke2, R7c8 42. Rg5, Kh4 43. f4, Rb4 44. Rc1, Rb2+ 45. Kf3, Rh2 46. Rg7, Rh3 +
47. Kg2, Rd8 48. Rh7+, Kg4 49. Rxh3, Rd2+ 50. Kf1, Kxh3 51. Rxc3, Ra2 52. Rc7,
Kg4 53. Rxf7, Kf3 54. Kg1, Ra1+ 55. Kh2, Kxe3 56. Kg3, Rg1+ 57. Kh4, Ra1 58.
f5, Rxa4 59. Kg5, Kf3 60. f6, Rg4+ 61. Kh5, Rf4 62. Rf8, Kg3 63. f7, Kf3 64.
Kg6, Rg4+ 65. Kf6, Rf4+ 66. Ke5, Re4+ 67. Kd5, Rf4 68.Ke6, Re4+ 69. Kd6,
Rd4 70. Kc5, Rf4 71. Kc6, Rc4+ 72. Kb6, Rf4   draw ½:½   3:12   3:11

Elite X - Psion   Sicilian Defense

1. e4, c5 2. Nf3, c6 3. Nb5, e6 4. 0-0, Nge7 5. c3, a6 6. Bxc6, Nxc6 7. d4,
cxd4 8. cxd4, d5 9. e5, Be7 10. Nc3, 0-0 11. Bf4, Bd7 12. Qd2, Qb6 13. Rfc1,
Rfc8 14. Na4, Qb5 15. Nc5, Be8 16. Rc3, Na5 17. a4, Qb4 18. R3c1, Qxd2 19.
Nxd2, b6 20. Nd3, Rxc1 21. Nxc1, Rc8 22. Nd3, Nc2 23. b3, g5 24. Be3, Rxd2
25. Bxd2, Nxb3 26. Ra2, Nxd2 27. Rxd2, Bxa4 28. f4, f5 29. g3, g4 30. Kf2,
Kf7 31. Rb2, Bb5 32. Ke3, h5 33. Kd2, h4 34. Rb3, h3 35. Nf2, Bd8 36. Rb1,
Bc4 37. Nd3, b5 38. Nc5, a5 39. Nb7, Bc7 40. Ke3, a4 41. Ra1, Ke7 42. Kd2,
Ke8 43. Kc2, Nb6 44. Nc5, Ke7 45. Kb2, Ba5 46. Kc2, Kf7 47. Nb7, Bc7 48. Ra3,
Bb6 49. Nc5, Ba5 50. Ra1, Bc7 51. Kc3, Nb6 52. Kb4, Bd8 53. Nb7, Be7+ 54.
Nd6, Bxd6 55. exd6, Ke8 56. Kc5, Kd7 57. Ra3, Be2 58. Rc3, Bd1 59. Rc1, Bb3
60. Rc3, b4 61. Rc1, Bc4 62. Kxb4, Kxd6 63. Kxa4, Bd3 64. Ka5, Be2 65. Kb6,
Bc4 66. Rc3, Be2 67. Rc6+, Kd7 68. Kc5, Bd3 69. Rb6, Ke7 70. Rb7+, Kf6
71. Kd6, Be2 72. Re7, Bf3 73. Rxe6+, Kf7 74. Re5, Kg6 75. Rxd5, Bxd5 76.
Kxd5, Kf6 77. Kd6, Kf7 78. d5, Kf6 79. Kc7, Ke7 and resigns 1:0

Princhess X - Sargon III/Apple MacIntosh   Reti Opening

1. Nf3, d5 2. c4, e6 3. g3, bxc4 4. Qa4+, Nc6 5. Qxc4, e5 6. Nc3, Nh6 7.
e4, Be7 8. Qb5, a6 9. Qa4, 0-0 10. Nd5, Bg4 11. Bg2, Bc5 12. 0-0, Qd6 13.
Qb3, Bxf3 14. Qxf3, Nd4 15. Qd1, f5 16. d3, f4 17. gxf4, exf4 18. Qh5, f3
19. Bh3, Ne2+ 20. Kh1, c6 21. Nc7, Qxc7 22. Qxc5, Nf7 23. Qe3, Ne4 24. d4,
Nf7 25. Be6, Qd6 26. d5, cxd5 27. Bxd5, Rac8 28.Qxf3, Nd4 29. Qd1, Qf6 30.
Bxb7, Rc7 31. Bd5, Nc2 32. Rb1, Nb4 33. Bd2, Nxd5 34. cxd5, Nd6 35. Bc3, Qf5
36. f3, Re7 37. Rc1, Rc8 38. Qd4, Rc4 39. Qb6, Qf4 40. Rc2, Nb7 41. Qxa6,
Ra4 42. Qb5, Nd6 43. Qb8+, Re8 44. Qc7, Nf5 45. Qxf4, Rxf4 46. Rg2, Re3
47. Rfg1, Re7 48. Rf2, Re3 49. d6, Rd3 50. Be5, Ra4 51. Rc2, Rxa2 52. Bxg7,
Nxg7 53. Rc8+, Kf7 54. Rc7+, Kf8 55. R1xg7, Rd1+ 56. Kg2, Rxb2+ 57. Kh3,
Rxd6 58. Rxh7, Kg8 59. Rcg7+, Kf8 60. Ra7, Kg8 61. Rhg7+, Kh8 62. Kg3,

Rf6 63. Rh7+, Kg8 64. Rag7+, Kf8 65. Rb7, Rg6+ 66. Kh3, Rh6+ 67. Rxh6,
Rxb7 68. f4, Kg7 69. Rh5, Rb1 70. Kg2, Kf6 71. h4, Rb4 72. Kg3, Rb1 73.
Rd5, Rg1+ 74. Kf3, Rf1+ 75. Ke3, Re1+ 76. Kf2, Rh1 77. h5, Kg7 78. Kg2,
Ra1 79. Rd6, Ra5 80. Rg6+, Kh7 81. Rg5, Ra3 82. Re5, Kh6 83. Rd5, Re3
84. Rg5, Rd3 85. Rc5, Re3 86. Rd5, Rc3 87. Rb5, Re3 88. Kh2, Rf3 89.
Rf5, Rd3 90. Kg2, Rc3 91. Ra5, Rb3 92. f5, Kxh5 93. Ra8, Kg5 94. Rf8,
Rb4 95. f6, Rf4 96. Rg8+, Kxf6 97. Rf8+   draw   ½:½

Mephiso B - Elegance   Sicilian Defense

1. e4, c5 2. Nf3, Nc6 3. Bb5, e6 4. 0-0, Nge7 5. b3, a6 6. Bxc6, Nxc6
7. Bb2, d6 8. d3, Bd7 9. Na3, e5 10. c3, Be7 11. d4, 0-0 12. dxc5, dxc5
13. Nc4, Qc7 14. Nfxe5, Nxe5 15. Nxe5, Be6 16. f4, f6 17. Nd3, c4 18.
Nc1, Bd6 19. Ne2, Bg4 20. Qd5+, Rf7 21. e5, fxe5 22. fxe5, Bxe5 23.
Qxf7+, Qxf7 24. Rxf7, Kxf7 25. Rf1+, Kg6 26. Nf4+, Bxf4 27. Rxf4, Be6
28. b4, Rd8 29. Rd4, Rxd4 30. cxd4, Kf5 31. d5, Bxd5 32. Bxg7. Ke4
33. Kf1, Kd3 34. a3, c3 35. Ke1, c2 36. Bh6, Bxg2 37. Bc1, h5 38. Kf2,
Bh3 39. Kg3, Be6 40. Kh4, Ke2 41. b5, axb5 42. Kg5, Kd1 43. Bf4, Bg4
44. h3, Bf3 45. Be3, c1Q 46. Bxc1, Kxc1 47. Kf4, Bc6 48. Ke3, Kb2 49. h4,
Kxa3   resigns.   0:1   2:17   2:10

                 5th round   13th September 1984

Mephisto C - Princhess X   Irregular

1. b3, e5 2. Bb2, Nc6 3. e3, d5 4. Bb5, Qg5 5. Nf3, Qxg2 6. Rg1, Qh3
7. Bxe5, Bg4 8. Rg3, Qh5 9. Bxc6+, bxc6 10. d4, Nf6 11. Bxf6, gxf6
12. h3, Bxh3 13. Qe2, Bd6 14. Rg1, Bg4 15. Nbd2, Bb4 16. Qa6, Bxf3 17.
Qxc6+, Ke7 18. Qxc7+, Ke6 19. Qc6+, Bd6 20. c4, Rc8 21. Qa6, dxc4 22.
Nxf3, Qxf3 23. bxc4, Rcg8 24. Rxg8, Rxg8 25. Kd2, Rg2 26. Rf1, Rxf2+
27. Rxf2, Qxf2+ 28. Kd3, Qf1+ 29. Kd2, h5 30. Qc8+, Ke7 31. Qb7+, Kf8
32. Qa8+, Kg7 33. c5, Bg3 34. Qxa7, Be1+ 35. Kc2, Qe2+ 36. Kb3, Qd3+ 37. Kb2,
Bc3+ 38. Kc1, Qd2+ 39. Kb1, Qd1 mate.   0:1   1:34   1:26

Elite Y - L'Empereur   Sicilian Defense

1. e4, c5 2. Nf3, d6 3. d4, cxd4 4. Nxd4, Nf6 5. Nc3, e6 6. g3, Be7 7.
Bb5+, Bd7 8. g4, Bxb5 9. Ndxb5, a6 10. Nd4, Qa5 11. Nb3, Qb4 12. Qe2, 0-0
13. a3, Qb6 14. Be3, Qc6 15. g5, Nfd7 16. 0-0-0, Ne5 17. Nd4, Qc4 18. f4,
Qxe2 19. Ndxe2, Nc4 20. Bf2, Nd7 21. a4, Rfc8 22. b3, Na5 23. h4, Nc6
24. h5, Nc5 25. h6, g6 26. Bxc5, dxc5 27. Rd7, b5 28. Rhd1, b4 29. Nd5,
exd5 30. exd5, Bxg5 31. fxg5, Ne5 32. Re7, Nf3 33. d6, Nxg5 34. Nf4, f5
35. Rg7+, Kh8 36. d7, Rcd8 37. Nd3, Rab8 38. Ne5, Rb6 39. Re7, Re6 40. Nc6,
Rxe7 41. Nxd8, Kg8 42. Nc6, resigns.   1:0   1:42   1:13

Sargon III./Compaq - Mephisto B   Reti Opening

1. Nf3, d5 2. g3, Nc6 3. Bg2, e5 4. d3, Nf6 5. 0-0, Bf5 6. Bd2, Bc5 7. b4,
Nxb4 8. Nxe5, Qd6 9. Bc3, 0-0 10. Nd2, Rfe8 11. e4, dxe4 12. Nec4, Qa6
13. Bxf6, Qxf6 14. dxe4, Bg6 15. Rb1, Qa6 16. a3, Nc6 17. a4, Bb4 18. Ra1,
rad8 19. Qc1, Bxd2 20. Nxd2, Qe2 21. Rfd1, Bh5 22. f3, Ne5 23. g4, Nxg4,
24. fxg4, Bxg4 25. Qa3, Rxd2 26. Rxd2, Qxd2 27. h3, Qd4+ 28. Kh1, Bd7 29.
a5, Bc6 30. a6, b5 31. Rb1, Bxe4 32. Qb3, Bxg2+ 33. Kh2, Bc6 34. Kg3, Re2
35. Qf3, Bxf3 36. Rf1, Qe5+ 37. Kxf3, Qe4+ 38. Kg3, Rg2 mate.   0:1
1:40   1:40

Elegance - Psion   Italian Opening

1. e4, e5 2. Bc4, Nf6 3. d3, c6 4. Nf3, d5 5. Bb3, Bg4 6. h3, Bxf3 7.
Qxf3, dxe4 8. dxe4, Nbd7 9. 0-0, Bc5 10. Nc3, 0-0 11. Bg5, Bd4 12. Rad1,
Qc7 13. Be3, Bxc3 14. bxc3, Qa5 15. Bg5, h6 16. Bh4, Rad8 17. Qf5, Qxc3
18. Rxd7, Rxd7 19. Bxf6, Rd6 20. Bxe5, Qc5 21. Bxd6, Qxd6 22. e5, Qd8 23.
Rb1, b5 24. e6, fxe6 25. Qxe6+, Kh8 26. Qxc6, Qd4 27. Qxb5, Rxf2 28. Kh1,
Qe3 29. c4, Qe4 30. Rg1, Kh7 31. c5, Qe5 32. Qd3, g6 33. c6, Qe7 34. Rc1,
Rf8 35. Qd7, Qxd7 36. cxd7, Rd8 37. Ba4, g5 38. Rc8, Rxd7 39. Bxd7, h5 40.
Ra8, Kg7 41. Be8, h4 42. Rxa7+, Kf6 43. Rh7, Kf5 44. Bb5, Ke5 45. a4, Kf5
46. a5, g4 47. h3xg4+, Kg6 48. Bd3+, Kf6   time   3:00   2:12

Sargon III/MacIntosh - Mephisto A   Bird Opening

1. f4, Nf6 2. Nf3, d5 3. e3, e6 4. b3, Be7 5. Be2, 0-0 6. 0-0, Nc6 7. Nc3,
a6 8 . d4, Ng4 9. Bd2, f5 10. Ne5, Ngxe5 11. fxe5, Ba3 12. Bd3, Qg5 13.
e4, f4 14. g3, Nxd4 15. exd5, Bb2 16. Rb1, Bxc3 17. Bxc3, c5 18. dxc6, Nxc6
19. Qe2, g6 20. Rbe1, Fxg3 21. Rxf8+, Kxf8 22. Qf3+, Kg8 23. Qxg3, Qe7 24.
Qf2, Bd7 25.Rf1, Rd8 26. Qb6, Qg5+ 27. Kh1, Nxe5 28. Be4, Bc6 29. Bxc6
Nxc6 30. Bf6, Qd5+ 31. Kg1, Rd7 32. c4, Qe4 33. Qf2, Rf7 34. Qg2, Qd3 35.
Rf3, Qd6 36. Rf2, Qf8 37. Qg5, Nb4 38. a3, Nd3 39. Rf3, Nc5 40. Qe5, Nd7
41. Qxe6, Qc5+ 42. Kh1, Qc6 43. Qxc6, bxc6 44. Rd3, Nxf6 45. Rd8+, Kg7 46.
Rc8, Rb7 47. b4, a5 48. bxa5, Ra7 49. Rxc6, Rxa5 50. Rc7+, Kh6 51. Kg2,
Rxa3 52. c5, Rc3 53. Rc8, Nd7 54. c6, Nb6 55. Rc7, Nd5 56. Rd7, Rc2+ 57.
Kg3, Nb6 58. Rc7, Rc4 59. h4, Nd5 60. Rd7, Rc3+ 61.Kf2, Nf6 62. Rc7, Ng4+
63. Ke2, Ne5 64. Re7, Nxc6 65. Re4, Rh3 66. Kf2, Kh5 67. Rc4, Ne5 68. Rc5,
Rf3+ 69. Kg2, Rf5 70. Kg3, h6 71. Rc3, Rf1 72. Rc5, Re1 73. Rc3, Nd7 74.
Rd3, Nf6 75. Ra3, Ne4+ 76. Kf3, Kxh4 77. Ra4, Kh3 78. Rxe4, Rxe4 79. Kxe4, g5
White resigned after the 88th move.   0:1

Conchess X - Elite X   Sicilian Defense

1. e4, c5 2. c3, d5 3. exd5, Qxd5 4. d4, e6 5. Nf3, Nc6 6. Be3, cxd4 7. cxd4,
Nf6 8. Nbd2, Bb4 9. Bd3, e5 10. dxe5, Qxd3 11. exf6, gxf6 12. Qb3, Qa6 13.
Qd5, Be6 14. Qe4, Rd8 15. Bh6, Rg8 16. Rg1, f5 17. Qe2, Qxe2+ 18. Kxe2,
Be7 19. b3, Rg4 20. Kf1, Nb4 21. Rc1, Bd5 22. a4, Nd3 23. Rc7, f4 24. Bg5,
Rxg5 25. Rxe7+, Kxe7 26. Nxg5, Nc1 27. b4, Bb3 28. Ngf3, Bxa4 29. g3, Nd3
30. gxf4, Nxb4 31, Rg5, b5 32. Kg1, Nd5 33. Rg7, Nxf4 34. Rxh7, Rg8+ 35.
Kh1, Nd3 36. Ne4, Bc2 37. Rh5, Bd1 38. Rf5, Bxf3+ 39. Rxf3, Rd8 40. Ng5,
Ne5 41. Rf5, f6 42. Nh7, Ng4 43. h3, Rh8 44. Rxb5, Nxf2+ 45. Kg2, Kf7 46.
Rb7+, Kg6 47. Nxf6, Nxh3 48. Nd5, Rh7 49. Rxh7, Kxh7 50. Kh3, Kg7 51. Nc3,
Kf6 52. Na4, Ke5   drawn after the 89th move.   ½:½   4:02   4:06

Sargon III/Apple II - Conchess Y   Bird Opening

1. f4, Nf6 2. Nf3, d5 3. e3, e6 4. Nc3, Nc6 5. Bb5, Bd6 6. 0-0, 0-0 7. b3,
a6 8. Bxc6, bxc6 9. Bb2, Bb7 10. Ne5, Qe7 11. Qf3, Ba3 12. Bxa3, Qxa3 13.
Rad1, Qb2 14. Rc1, Rab8 15. Qh3, c5 16. Qg3, Rfd8 17. Qh4, Qa3 18. Kh1, Qb4
19. Rcd1, c6 20. a4, Re8 21. Qe1, Qb6 22. Qg3, Qa5 23. Qh3, Qb4 24. Qh4, Ba8
25. Rf3, d4 26. Rg3, Kf8 27. Qg5, Ke7 28. Qxg7, Rf8 29. Nb1, Rbd8 30. Rf1,
dxe3 31. Rxe3, c4 32. f5, Nh5 33. Qxh7, Nf6 34. Nxc6+, Bxc6 35. Rxe6+, Kd7
36. Rxf6, Qe7 37. Qh4, Qe2 38. Qd4+, Ke7 39. Qc5+, Kxf6 40. Qxc6+, Kg7 41.
Qxc4, Qxc4 42. bxc4, Rd4 43. d3, Rfe8 44. Nc3, Rf4 45. Kg1, Rxf1+ 46. Kxf1,
Rh8 47. h3, Rh5 48. d4, Rxf5+ 49. Ke2, Rf4 50. Ke3, Rf1 51. Ne4, Rg1 52.
g4, Rh1 53. Nf2, Re1+ 54. Kd2, Ra1 55. h4, Rxa4 56. Kd3, Ra3+ 57. c3, Ra2 58.
Nd1, Rh2 59. h5, a5 60. c5, a4 61. Ne3, a3 62. c6, a2 63. c7, a1Q 64. c8Q,
Qb1+ 65. Kc4, Qa2+ 66. Kc5, Qa5+ 67. Kd6, Qb6+ 68. Kd5, Re2 69. Nf5+, Kh7
70. Kc4, Qa5 71. Nd6, Qa2+ 72. Kc5, Qa3+ 73. Kd5, Qa5+ 74. Qc5, Qa8+ 75.
Qc6, Qd8 76. Qb7, Qa5+ 77. Nb5, Qd8+ 78. Kc4, Qf6 79. Qc8, Rb2 80. Qd7,
Qf1+ 81. Kc5, Qf3 82. c4, Kg7 83. Nd6, Qa3+ 84. Kd5, Qf3+ 85. Ne4, Rg2
86. Qf5, Qxf5 87. gxf5, Rh2 88. Ke5, Rxh5 89. d5, Rh1 90. c5, Rc1 91.
f6+, Kf8 92. c6, Ke8 93. Kd6, Kd8 94. Ng5, Kc8 95. Nxf7, Rf1 96. Ke6,
Rh1 97. d6, Re1+ 98. Ne5, Kd8 99. f7, Rf1   100. c7+, Kc8 101. Ke7, Kb7
adjudicated   1:0   4:10   4:44

                    6th round   September 14

Mephisto B - Sargon III/Apple II   King's Indian Defense

1. e4, g6 2. d4, Bg7 3. c3, d6 4. f4, Nf6 5. e5, dxe5 6. fxe5, Nd5 7.
Nf3, 0-0 8. Bc4, c5 9. dxc5, e6 10. 0-0, Qc7 11. b4, Nc6 12. Bg5, Bxe5
13. Bxd5, exd5 14. b5, Na5 15. Qxd5, Bg7 16. Qd6, Qxd6 17. cxd6, Bd7 18.
a4, Rfc8 19. Bd2, Bf5 20. Rfd1, Nb3 21. Ra2, Bxb1 22. Rxb1, Nxd2 23.
Rxd2, Rxc3 24. d7, Bf6 25. Re1, Kg7 26. Re8, Bd8 27. Rd4, f5 28. h3, Kf6
29. Rd1, Rb8 30. Nd4, Kf7 31. Rh8, h5 32. a5, Ra3 33. Rc1, Rd3 34. Rc8,
Bxa5 35. Rxb8, Rxd4 36. d8R, Rxd8 37. Rhxd8, Bb6+ 38. Kf1, Bxd8 39. Rxd8,
Ke6 40. Ra8, Kd6 41. Rg8, resigns.   1:0   1:30   1:50

Princhess X - Elite X   Sicilian Defense

1. e4, c5 2. d4, cxd4 3. c3, d3 4. Bxd3, Nc6 5. Nf3, Nf6 6. Bf4, d6
7. O-O, e5 8. Ng3, Be7 9. Na3, Nh5 10. Qe2, Nxg3 11. hxg3, O-O 12. Rad1,
Be6 13. b4, a6 14. Bc4, Qd7 15. Bxe6, fxe6 16. Nc4, Qc7 17. Qe3, Nxb4
18. Nb6, Nxa2 19. Nxa8, Rxa8 20. Rd2, Qc4 21. Ra1, Nxc3 22. Rc2, Qxe4
23. Qxc3, Qd5 24. Qb4, b5 25. Rac1, a5 26. Qg4, Rf8 27. Rc7, Bf6 28. R1c2,
Qb3 29. Nd2, Qd5 30. Ne4, g6 31. Rd7, Bh8 32. R2c7, Bf6 33. Rxh7, Qd1+
34. Qxd1, Be7 35. Rcxe7, Rf5 36. Reg7+, Kf8 37. Qxd6+, Ke8 38. Qe7 mate.
1:0   1:15   1:43

Mephisto C - Elite Y   English Opening

1. c4, e5 2. Nc3, Nc6 3. Nf3, Nf6 4. e3, Bb4 5. Qc2, O-O 6. Nd5, Bc5 7.
Bd3, g6 8. a3, a5 9. b3, d6 10. Bb2, Bg4 11. Nxf6+, Qxf6 12. Be4, Kg7
13. d4, Bxf3 14. dxe5, dxe5 15. Bxf3, Rfd8 16. O-O, h6 17. Bxc6, Qxc6 18.
Bxe5+, f6 19. Bb2, a4 20. b4, Bd6 21. f4, Re8 22. c5, Rxe3 23. Qf2, Qe4
24. Rae1, Bxf4 25. Bc1, Re8 26. Rd1, Re2 27. Qf3, Qxf3 28. Rxf3, Bxc1 29.
Rxc1, R8e3 30. Rxe3, Rxe3 31. Rd1, c6 32. Rd7+, Kf8 33. Rxb7, Rxa3 34. Rb6,
Ra1+ 35. Kf2, Ra2+ 36. Kf3, Ra3+ 37. Ke2, Ra2+ 38. Kf3, Ra3+ 39. Ke2, draw
by repetition   ½:½   1:31   1:40

Mephisto A - Psion   Spanish Opening

1. e4, e5 2. Nf3, Nc6 3. Bb5, a6 4. Ba4, d6 5. d4, b5 6. Bb3, Nxd4 7.
Nxd4, exd4 8. Bd5, Rb8 9. Bc6+, Bd7 10. Bxd7, Qxd7 11. Qxd4, c5 12. Qd3,
Nf6 13. Nc3, Be7 14. Bf4, Nh5 15. Qd2, Qg4 16. g3, Nxf4 17. Qxf4, Qxf4
18. gxf4, Bf6 19. O-O-O, Bxc3 20. bxc3, Ke7 21. Rd5, c4 22. a4, bxa4 23.
Rhd1, Rb6 24. Ra5, a3 25. Rd4, a2 26. Rxa2, Rc8 27. f5, g5 28. Ra4, Rbc6
29. Kd2, h5 30. Rd5, Rb8 31. f6+, Kxf6 32. Raa5, Rg8 33. h3, h4 34. f3,
Rg7   35. Rf5+, Ke6 36. Rxg5, Rxg5 37. Rxg5, Rc5 38. Rg4, d5 39. Rxh4, dxe4
40. Rxe4+, Kd5 41. h4, a5 42. Rd4+, Ke6 43. Rg4, f5 44. Rd4, Rc7 45. Kc1, Kf6
46. Rd5, Rh7 47. Rd6+, Ke5 48. Rd4, Rc7 49. h5, f4 50. Kb2, Rc6 51. Ka3, Rc8
52. Ka4, Rc5 53. h6, Kf6 54. h7, Kg7 55. Rd7+, Kh8 56. Rf7, Rd5 57. Rxf4, Kxh7
58. Rxc4, Rf5 59. Rh4+, Kg6 60. f4, Rc5 61. Kb3, Rb5+ 62. Kc4, Rb7 63. Kd3,
Rd7+ 64. Ke3, Re7+ 65. Kd4, Rd7+ 66. Ke4, Rd2 67. Rh8, Rxc2 68. Kd3, Rf2 69.
Ke3, Rc2 70. Kd4, Rf2 71. Ke5, Re2+ 72. Kd5, Rf2 73. Rf8, a4 74. Ra8, Rxf4
75. c4, Rf5+ 76. Kd4, Rf4+ 77. Kc5, Kf5 78. Rxa4, Ke4 79. Kb6, Bf8 80. c5+,
Kd5 81. c6, Rf2 82. c7, Rb2+ 83. Ka7, Rc2 84. Kb8, Rb2+ 85. Kc8, Kc5 86.
Kd7, Rd2+ 87. Ke8, Re2+ 88. Kd8, Rd2+ 89. Ke7, Re2+ 90. Kf8, Rf2+ 91. Kg8,
Rg2+ 92. Kh8, Rh2+ 93. Kg7, Rg2+ 94. Kf7, Rf2+ 95. Rf4, Rxf4+ 96. Ke8, Re4+
and draw in the 106th move.   ½:½   (where times are missing, they were
not noticed.)

Orwell - Intelligent Chess Software   Caro Cann Defense

1. e4, c6 2. d4, d5 3. exd5, cxd5 4. Bd3, Nc6 5. c3, Nf6 6. Bf4, Bg4 7.
Qb3, Na5 8. Qa4+, Bd7 9. Qc2, e6 10. Nd2, Rc8 11. Ngf3, h6 12. O-O, g5
13. Be5, Be7 14. h3, Qb6 15. b4, Nc6 16. Bxf6, Bxf6 17. Qb2, Qc7 18.
Qa3, h5 19. Rab1, g4 20. Nh2, gxh3 21. g3, h4 22. Ng4, Be7 23. Kh2,
f5 24. Ne3, a5 25. Rg1, axb4 26. Qb2, hxg3+ 27. fxg3, bxc3 28. Qxc3,
Ra8 29. Rb2, Ra3 30. Nb3, Bb4 31. Qc1, Ra7 32. Rc2, Qd8 33. Bf1, Qf6
34. Qb2, Qh6 35. Nd1, f4 36. Nc5, Ba3 37. Qb6, Bxc5 38. dxc5, e5 39.
Rf2, Rg8 40. Qb3, Qg5 41. g4, Be6 42. Bxh3, e4 43. Nc3, Nd4 44. Qd1, Qe5
45. Kh1, Rh8 46. Kh2, f3+ 47. Rg3, Rxh3+ 48. Kg1, Qxg3+ 49. Kf1, Rh1 mate.
0:1

Elegance - Conchess X   Bird Opening

1. f4, Nf6 2. e3, Nc6 3. Nf3, d5 4. Nc3, Nb4 5. Be2, Bf5 6.
Nd4, Bd7 7. a3, Nc6 8. Nxc6, Bxc6 9. d4, e6 10. 0-0, Be7 11.
b4, 0-0 12. b5, Bd7 13. Bb2, c5 14. Qd2, Bd6 15. a4, a6 16.
dxc5, Bxc5 17. bxa6, Qb6 18. Bc1, bxa6 19. Qd3, Bc6 20. Bd2,
Qc7 21. Bf3, Rfb8 22. Ne2, e5 23. fxe5, Qxe5 24. Nd4, Bd7 25.
c4, Bd6 26. g3, Bh3 27. Rfc1, dxc4 28. Qxc4, Ne4 29. Qd3,
Nxd2 30. Bxa8, Rxa8 31. Qxd2, Bc5 32. Qf2, Rc8 33. Rd1, Qe8
34. Qf4, a5 35. Rdc1, Rc7 36. Rcb1, Bd7 37. Rb3, Rc8 38.Nb5,
Qe6 39. Rd3, Re8 40. Re1, Bc6 41. Nc3, Bb4 42. Rf1, Qb3 43.
Qc7, Qc4 44. Rd8, Qe6 45. Rxe8+, Qxe8 46. Kf2, Bxc3 47. Rc1,
Bd2 48. Qxc6, Qxe3+ 49. Kg2, Qe2+ 50. Kh1, g6 51. Rb1, Bb4
52. Qg2, Qe8 53. Qc2, Qa8+ 54. Kg1, Qa7+ 55. Kf1, Qa6+ 56.
Kf2, Qb6+ 57. Kf3, Qb7+ 58. Kf4, Qd7 59. Rd1, Qe6 60. Kf3,
Qh3 61. Rd5, Qf1+ and draw after the 91st move.   ½:½
2:47   4:07   (White played on higher speed)

Conchess Y - Private Line   Reti Opening

1. Nf3, d5 2. g3, Nf6 3. Bg2, d4 4. c3, d3 5. exd3, Qxd3
6. Ne5, Qa6 7. d4, e6 8. Nd2, Be7 9. Ndc4, 0-0 10. 0-0, c5
11. Be3, cxd4 12. cxd4, Bd7 13. Bg5, Bb5 14. b3, Nc6 15. a4,
Bxc4 16. bxc4 , Rfd8 17. Bxc6, bxc6 18. Qf3, Rac8 19. Qf4,
c5 20. dxc5, Rxc5 21. Qe3, Ra5 22. Rab1, Rxa4 23. Qf3, Ra3
24. Qb7, Re8 25. Qxa6, Rxa6 26. Rb7, Ra5 27. Rxe7, Rxe7 28.
Nc6, Rxg5 29. Nxe7+, Kf8 30. Nc8, Rc5 31. Nxa7, Rxc4 32.h4,
Ne4 33. Kg2, Rc2 34. g4, e5 35. Nb5, f6 36. Na3, Ra2 37.
Nc4, Ke7 38. h5, Kf7 39. Kf3, Ra4 40. Kxe4, Rxc4+ 41. Kf3,
Rc3+ 42. Ke2, g6 43. Rh1, e4 44. hxg6+, hxg6 45. Rh6, Rd3
46. Rh8, Rb3 47. Rc8, Rb2+ 48. Ke3, f5 49. gxf5, gxf5 50.Rc6,
Ke7 51. Ra6, Rc2 52. Rb6, Kf7 53. Rd6, Rc3+ 54. Kd2, Ra3 55.
Rc6, Ke7 56. Rc3, Rxc3 57. Kxc3, Ke6 58. Kd4, Kd6 59. Ke3,
Ke5 60. f3, f4+ 61. Kf2, e3+ 62. Ke1, Kd4 63. Ke2, Kc4 64. Ke1, Kc3 65.
Ke2, Kb4 66. Kf1, Kb5 67. Ke2, Kc5 68. Kf1, Kd5 69. Ke2, Kd4 70. Ke1, Kc4
71. Ke2, Kb3 72. Kd1, Ka3 73. Ke2, Ka2 74. Kf1, Kb3 75. Ke1, Kc2 76. Ke2,
Kc3 77. Ke1, e2 78. Kxe2, Kc2 79. Ke1, Kd3 80. Kf2, Kd2 81. Kf1, Ke3
82. Kg2, Ke2 83. Kg1, Kxf3 84. Kf1, Ke3 85. Kg1, Ke2 86. Kh2, f3 87. Kh3,
f2 88. Kg4 and resigned.   0:1   4:10   3:54

YOU CAN'T CHEAT AT CHESS

William Steinitz was giving
Knight-odds to an amateur for a
small stake. A strong player was
sitting next to the amateur and
always gave him a sly kick under
the table when he was about to make
a weak move. The amateur had the
advantage and was about to make
the winning move when he suddenly
withdrew his hand from the di-
rection of the piece, as if it
were red hot. He then moved ano-
ther piece, which lost him the
game. His angry friend burst out
"When you were about to make the
winning move why did you suddenly
withdraw your hand?"
"Because I kicked him under the
table" said Steinitz.

Princhess X - Mephisto A

1 d4 d5 2 c4 e6 3 Nc3 Nf6 4 Bg5 Be7 5 e3 0-0 6 Nf3 Nbd7 7 Bd3 dxc4 8 Bxc4 Nb6   9
Bd3 a5 10 Bxf6 Bxf6 11 Qb1 h6 12 0-0 Nd5 13 Ne 5 c5 14 Na4 cxd4 15 exd4 Qd6 16 Nf3
Rd8   17 Nc3 Bd7 18 Re1 Qb6 19 Bh7+ Kh8 20 Rd1 Bc6 21 Be4 Nxc3 22 bxc3 Qxb1 23 Bxb1
e5   24 Bc2 Bxf3 25 gxf3 exd4 26 cxd4 Rxd4 27 Rxd4 Bxd4 28 Rd1 Rd8 29 a4 Kg3 30 h4
Bf6 31 Rxd8+ Bxd8 32 h5 Bf6 33 Kf1 Be5 34 Ke2 Kf8 35 Ke3 Bd6 36 f4 Bc5+ 37 Ke2 Ke7
38 f5 Bd6 39 Ke3 Kd8 40 Ke4 Bc5 41 f3 f6 42 Kd5 Ba3 43 Ke6 Kc8 44 Be4 b6 45 Bc6+
Kf8 46 Bb7 Bc5 47 Kd7 Kg8 48 Bd5+ Kh8 49 f4 Bd4 1/2 - 1/2 2:11 - 1:56

Psion Chess - Conchess X

1 c4 e6 2 Nc3 d5 3 d4 c5 4 cxd5 exd5 5 Nf3 Nc6 6 g3 c4 7 Bg2 Bb4 8 Bg5 Ne7 9 0-0 f6
10 Bf4 0-0 11 a3 Ba5 12 Qc2 Bf5 13 Qd2 Bb6 14 Rad1 Be4 15 Nxe4 dxe4 16 Ne1 Nxd4 17
e3 Ne6 18 Qc2 Qc8 19 Bd6 Rf7 20 Qxe 4 Ng5 21 Qxb7 Nh3+ 22 Kh1 Qxb7 23 Bxb7 Rad8   24
Bf3 Nf5 25 Bf4 Rxd1 26 Bxd1 Nxf4 27 gxf4 Nd6 28 Bf3 Kh8 29 Kg2 g6 30 Nc2 Rc7 31 Rd1
c3 32 bxc3 Rxc3 33 Rxd6 Rxc2 34 Kg3 Kg7 35 Rd7+ Kh6 36 a4 f5 37 h3 a5 38 h4 Rc1   39
Bd5 Rd1 40 Rb7 Rxd5 41 Rxb6 Rd1 42 Rb5 Rg1+ 43 Kf3 Rh1 44 Rxa5 Rxh4 45 e4 fxe4+   46
Kxe4 Rh2 47 Ke3 Rh3+ 48 f3 Rh1 49 Ra7 Ra1 50 Kf2 Ra2+ 51 Kg3 Ra1 52 Kh3 Rf1 53 Kg2
Ra1   54 a5 Ra2+ 55 Kh3 Ra3 56 Kg4 Rb3 57 Rc7 Ra3 58 Rc5 Ra4 59 Kg3 Kg7 60 Rc7+ Kf6
61 Rxh7 Rxa5 62 Rc7 Ra1 63 Rc6+ Kf5 64 Rc8 Kf6 65 Rf8+ Ke6 66 Re8+ Kf6 67 Rc8 Rg1+
68 Kf2 Rh1 69 Rf8+ Kg7 70 Rd8 Kf6 71 Rc8 Ke6 72 Ke3 Re1+ 73 Kd3 Ra1 74 Re8+ Kf5 75
Rf8+ Ke6 76 Ke3   1/2 - 1/2   3:22 - 3:25

Colossus 2.1 - Elegance

1 c4 c5 2 Nf3 Nf6 3 Nc3 d5 4 cxd5 Nxd5 5 e4 Nxc3 6 dxc3 Qxd1+ 7 Kxd1 Nc6 8 Bb5 Bd7
9 Be3 e5 10 Kc1 a6 11 Bc4 Be7 12 Rd1 Rd8 13 Rd5 b5 14 Bb3 c4 15 Bc2 Be6 16 Rxd8+
Bxd8 17 a4 Bd7 18 Bc5 h5 19 axb5 axb5 20 Bd6 f6 21 Ra8 Ne7 22 Bc5 h4 23 Kb1 h3 24
g3 g6 25 Nh4 Rg8 26 Bb6 Nc6 27 Bd1 Kf7 28 Be3 Kg7 29 Bf3 Rh8 30 Bc5 f5 31 exf5 Bxh4
32 Bxc6 Bxc6 33 Ra7+ Kh6 34 gxh4 gxf5 35 Kc1 Rg8 36 Re7 Re8 37 Rf7 Be4 38 Kd2 Rg8
39 Be3+ f4 40 Bd6 Rg6 41 Bc7 Re6 42 Rf8 Re7 43 Rh8+ Kg7 44 Rc8 Kg6 45 Ke2 Bd3+   46
Kf3 e4+ 47 Kxf4 Rf7+ 48 Kg4 e3 49 Rg8+ Kh7 50 Fxe3 Kxg8 51 Bf4 Rg7+ 52 Bg5 Ra7   53
Kxh3 Ra2 54 Kg3 Rxb2 55 h5 kg7 56 Bf4 Kf6 57 h4 Rc2 58 Bg5+ Kf7 59 Kf4 Rxc3 60 Ke5
b4 61 Kd4 Rc2   0 - 1

Elite X - Mephisto B

1 e4 e6 2 d4 d5 3 e5 c5 4 dxc5 Nc6 5 Nf3 Bxc5 6 Bd3 f5 7 0-0 Ne7 8 a3 0-0 9 b4 Bb6
10 Bb2 Ng6 11 b5 Nce7 12 Qd2 Qc7 13 Rc1 a6 14 c4 d4 15 c5 Ba5 16 Qe2 Nf4 17 Qc2
Bc3 18 Nxc3 dxc3 19 Qxc3 Ned5 20 Qb3 Nxd3 21 Qxd3 Rd8 22 a4 Nf4 23 Qc2 Rd5 24   Bd4
Bd7 25 c6 bxc6 26 bxc6 Qxc6 27 Qxc6 Bxc6 28 Rxc6 Ne2+ 29 Kh1 Nxd4 30 Nxd4 Rxd4 31
Rxe6 Kf7 32 Rc6 Re4 33 Rc7+ Kf8 34 f4 Rxf4 35 Rc5 Re8 36 Rc6 Rxe5 37 Rxa6 Re2 38
Ra8+ Kf7 39 Ra7+ Kf6 40 Rb1 Rfe4 41 Kg1 Re7 42 Rxe7 Kxe7 43 Ra1 Kd6 44 a5 Kc7 45 a6
Re8 46 Rb1 Rb3 47 Re1 Kd6 48 a7 Ra8 49 Ra1 g6 50 h3 Kc7 51 g4 Fxg4 52 hxg4 Kb7   53
Rb1+ Kc6 54 Ra1 Kb6 55 Rb1+ Kxa7 56 Kf2 Rf8+ 57 Kg3 Rf7 58 g5 Rf5 59 Kg4 Ka6 60 Rd1
Rf7 61 Rb1 Rb7 62 Rxb7 Kxb7 63 Kf4 Kc6 64 Ke5 Kc5 65 Kf6 Kd4 66 Kg7 Ke4 67 Kxh7 Kf5
68 Kh6 Ke5 69 Kxg6 Ke6 70 Kh7 Kd5 71 g6 Ke6 72 g7   1 - 0

Sargon III/MacIntosh - Mephisto C

1 c4 e6   2 Nf3 c5   3 Nc3 Nc6   4 e4 Nf6   5 d3 Qb6   6 e5 Ng4   7 Qe2 Qc7   8 Nb5 Qb8   9 Bf4 f6
10 Nd6+ Bxd6   11 exd6 e5   12 h3 Nh6   13 Bxh6 gxh6   14 Nh4 Qxd6   15 Qh5+ Kd8   16 Nf5 Qf6
17 Nxh6 Kc7   18 Be2 Nd4   19 Bd1 d6   20 Nf7 Rg8   21 Nh6 Rxg2   22 Ng4 Bf5   23 Kf1 Bg6   24
Qh4 Rxg4   25 hxg4 Bxd3+   26 Ke1 Qf7   27 b3 Rh8   28 Qg3 Be4   29 Rh2 Qg6   30 f5 Bc2   31 fxe6
dxe6   32 Bf3 Qd3   33 Kf2 Qd2+   34 Kf1 Qc3   35 Re1 Nxf3   36 Rhe2 Qd3   37 Qf2 Bd1   38 Kg2
Bxe2   39 Rxe2 Nd4   40 Qe3 Qg6   41 Kh2 h5   42 Rh3 h4   43 a3 Kc8   44 b4 cxb4   45 axb4 Qxg4
46 c5 Rh6   47 Qg2 Qf4+   48 Kh1 Rh8   49 Qg7 Rd8   50 Qf2 Nc6   51 Qc2 Qf1+   52 Kh2 Nxb4   53
Qb2 Rg8   54 Rd3 Nxd3   0 - 1

Intelligent Chess Software - Elite Y

1 d4 d5   2 Nc3 Nf6   3 Bg5 Ndb7   4 Nf3 g6   5 e3 Bg7   6 Bf4 0-0   7 Nb5 c6   8 Bc7 Qe8   9 Nc3
Ne4   10 Nxe4 dxe5   11 Ng5 Nf6   12 Bc4 h4   13 Nxf7 Rxf7   14 Bxf7+ Qxf7   15 0-0 Be6   16 a3
Bc4   17 Re1 Rf8   18 Qd2 Ng4   19 Bg3 Qf5   20 h3 Nf6   21 Qb4 Qb5   22 b3 Qxb4   23 axb4 Ba6
24 c4 Nd7   25 Red1 Rf5   26 Rd2 e6   27 Bd6 Bf8   28 Bxf8 Rxf8   29 b5 cxb5   30 cxb5 Bxb5   31
Rxa7 Ba6   32 b4 Rf5   33 Ra8+ Kf7   34 Rh8 h5   35 Rh7+ Ke8   36 Rc2 Kd8   37 Rh6 Nh6 Nf8   38
Rh8 Rf7   39 g4 hxg4   40 hxg4 Bd3   41 Ra2 Ke7   42 Rh2 Kd6   43 Ra5 Be2   44 g5 b6   45 Ra2 Bb5
46 Rh4 Nh7   47 Rxe4 Nxg5   48 Rg4 Bc4   49 Ra4 Nh3+   50 Kg2 Nxf2   51 Rxg6 Nd3   52 b5 Bxb5
53 Ra3 Bc6+   54 Kh2 Ne1   55 Ra6 Rf2+   56 Kh3 Re2   57 Rg3 Nf3   58 Kg4 Nh2+   59 Kf4 Rf2+   60
Kg5 b5   61 Rh3 Nf3+   62 Kg4 Ng1   63 Rh5 Rg2+   64 Kh4 Nf3+   65 Kh3 Rh2+   66 Kg4 Rxh5   67
Kxh5 Ne1   68 Kg5 b4   69 Rb6 Nc2   70 Kf4 Kc7   71 Ra6 b3   72 d5 exd5   73 Ra7+ Bb7   74 Ra5
Kb6   0 - 1

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Final Scores

Elite X, Mephisto S (A), Princhess X, Psion Chess	5
Conchess X, Elegance, Elite Y	4.5
Mephisto S (C), Private Line, Sargon III/Apple	4
Mephisto S (B), Sargon III/MacIntosh	3.5
Conchess Y, Intelligent Chess Software, Sargon III/Compaq	2.5
Colossus 2.1, L'Empereur, Orwell	2
Chessnut 3	0.5

Prizes of Caithness Glass Bowls were presented to:

World Microcomputer Champion:
Shared by;
    Fidelity Elite X
    Mephisto S (A)
    Princhess X
    Psion Chess

World Microcomputer Champion (Commercial)
    Mephisto S (A)

World Microcomputer Champion (Amateur)
    Chessnut 3

Classification:

Commercially Available - Sargon III/Apple/Compaq/MacIntosh, Mephisto S (A),
                         (B), and (C), Elegance, L'Empereur, Private Line

Commercial Companies - units not necessarily available-
                        Conchess X and Y, Princhess X, Fidelity X and Y,
                        Psion Chess, Intelligent Chess Software, Orwell,
                        Colossus 2.1

Non-Commercial Entry -   Chessnut 3

Fidelity Elegance runs at 6.55 MHz on a 6502 microprocessor. Mephisto at 12
MHz on a 6800, Sage (for Psion) at 8 MHz on a 6800, and Princhess at 6.1 MHz
on a 6502.

Tournament Bulletins are available from Chess Suppliers (Scotland) Ltd, 15
Hope Street, Glasgow G2, Scotland.

Bulletin Editor : Dr. L. Lindner

15th ACM NORTH AMERICAN COMPUTER CHESS CHAMPIONSHIP
by David Kittinger - Programmer for Novag Industries Ltd.

The Novag entry had a reasonable result at the tournament considering the strength of its opponents. In the first three games Novag X scored two points. The first round game was a draw with the black pieces against Nuchess which is one of the very strongest programs in the world and which was running on a Cray computer, the most powerful computer in the world.

In round two, Novag X beat Awit with white. In last year's World Computer Championship, Awit finished in 3rd place and Novag X had lost to Awit so this was a gratifying win.

In round three, Novag X faced Schach 2.7 which is probably the strongest European chess program but has deficiencies in its opening repertoire. Novag X had the black pieces which was a bad sign since we lost to Schach last year in the world tournament with black in an even position in which Schach's deeper search found a nice tactical shot which gained the full point. This year, however, Schach plays the exchange Ruy Lopez which is a very solid game for white which gives few winning chances for either side. Novag X does achieve a better position, but the resulting rook and pawn ending is drawn.

Now, going into the fourth and final round it appeared that Novag X would have white against Cray Blitz (3-0) since we had already had two blacks. However, somehow it was decided that Nuchess would be a better opponent for Cray Blitz, and we were handed our third black against Bebe. Bebe has always won with white in the ACM tournaments.

Now that we knew which opponent Novag X would be playing, Scott McDonald looked at her previous game to see what openings Bebe had played in past tournaments. The Novag X entry was almost identical to production Super Constellations in processor speed, opening book and features. Hence, we had the programmable opening book to perhaps put in a surprise for Bebe. Scott noticed that Bebe always played the Ruy Lopez, so we decided to put in a fairly obscure line called Rabinovich's Gambit. There was still a chance that either side could deviate, but such was not the case. Here is the resulting game:

1	e4	e5
2	Nf3	nc6
3	Bb5	a6
4	Ba4	Nf6
5	OO	so far so good - Bebe is heading for the gambit
	b5	
6	Bb3	d6 !? with this move black gambits a pawn if white plays the natural move 7 Ng5. ECO considers 7 c3 to be the best for white
7	Ng5	d5
8	Nd5	Nd4
9	d6 ?!	this move is called dubious by ECO and is found in the notes. Other bad moves are Re1 and Qe1 both leading to very strong attacks by black against white's king.
9	Nb3	forced because of white's double attack on f7
10	dc	Qc7
11	ab	h6
12	Nf3	e4 this position is given by ECO as good for black because of initiative and advantage in development
13	Re1	Be7 this is the last move we added to the programmable book and, ironically, may be a mistake. We did not have much time before the round to program in the new line, and I was concerned that 13 Re1 was a natural move for Bebe to make.

Had we let the computer think for itself here, it would have
played Bb7 which looks to be a better move since the King
Bishop wants to go to d6.

14 Nc3 !   a very sharp move by Bebe and a strong one. The white
position would not be very pleasant after 14 Nd4. Bebe gives
up a Knight for three pawns and an attack

         ef   very few computers could resist taking this knight. A good
alternative would be Bb7 followed by OO or OOO.

15 Nb5   Qc5 ?! much better was Qd7 which was the choice of most of the
masters in the audience. The point is that after white
captures the pawn at f3, black would play Rb8 when black is
winning. After 17 Qg3 Rb5   18 Qg7 Rg8   19 Qf6 (regaining
a piece) black has the very strong move 19...Rg2 check! which
will win white's queen for two rooks, but since white's
pieces are so disorganized, black should win. This is just
too deep for a micro. Interesting is that Bebe predicted we
would play our Queen to c5! Computers tend to think alike. So
do masters. In this case the masters were right. The reason
Novag X would not like Qd7 is a "heuristic" or intelligent
instruction which gives a minus to such a move which blocks
the Queen Bishop.

16 Qf3   Qb5?!!? as much a surprise to Scott and me as to the audience. If
Rb8, then white wins the black pawn at "g7" and ends up with
the Queen at f6. Novag X also thought that it was the one
being attacked since the King is stuck on the open file which
is occupied by white's rook and white's king is safely
castled. Hence, by giving up the exchange, we don't lose a
king protection pawn, and we force the trade of queens.

17 Qa8   Qb7   as in the above note, Novag X wants to trade queens
18 Qb7   Bb7
19 d4   Kd7   black is now in an ending with the two bishops for rook and
three pawns
20 c4   Bb4
21 Re2   Rhd8   black should perhaps play Rhe8 to trade one pair of rooks

22 d5   Nd5!?? another sacrifice! Black does not want to get rolled up by
the advancing white pawns.
23 cd   Bd5   as compensation, the two bishops come to life
24 Ra6   Bb3
25 Re4   Bc5
26 Be3   Kc7
27 Ra1   Bd5   an ideal square for the Bishop
28 Bf4?! Kc6
29 Rea4 Be6
30 Be5?   white should not allow black's rook to get to the 7th
         Rd2
31 Bg7   Bf2+   Rf2 looks stronger but white stops all threats with Bd4
32 Kh1   Bd5
33 Bc3   Rc2
34 Ra6+ Kc7
35 Ra5   Kc6
36 Ra6+ Kc7

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37 Ra5    Kc6      Want a draw ?
38 Ra8             No thanks

          Bb6      this is a critical position for Novag X. Be3 probably draws
                   since  black  threatens mate at g2.  The only move for  white
                   would be Rg8 when Bg5 again threatens g2. White's best move
                   would be Rg1 when Be3 attacks the rook at g1. After the rook
                   moves, black then plays Bg5, etc. Bebe probably saw this line
                   which would explain why it was repeating the position two
                   moves ago.
39 Rg8    f5
40 Rg6    Kb5
41 Rd1    Be4
42 Bd2    Rh2
43 Bh6    f4       if black can play f3, then Novag X may even win this game.
                   The  white position is just holding by a thread for the  next
                   several moves. Bebe, with its great depth of search is able
                   to safely navigate through this very dangerous position.

44 Rg5+   Kc6
45 Rc1+!  Kd6
46 Bg7    Rf2
47 Rd1+!  Kc6
48 Be5    Be3      now f3 doesn't quite work because of 49 Rd6+!  Kb7   50 Rb6+!
                   Kb6   51 Bd4+  winning a piece

49 Rg4    Bc2?!    interesting was Bd3 with the threat of Be2 and the idea of f3
50 Ra1    Kd5
51 Bb8    f3?!     well, now Novag X just wants to try and trade off the pawns
                   and try to hold the pawnless ending

52 gf     Rf3
53 Ra5+   Ke6
54 h4              white is now clearly winning as the black king is too exposed
                   and the black pieces are not coordinated

          Bf5
55 Rga4   Kf7
56 Kg2    Rf2+
57 Kg3    Rf1
58 Bf4    Bf2+
59 Kg2    Bd3
60 Bd3    Be2
61 Rd7+   Kg6
62 h4     Kh5
63 Rd2    Bd6
64 Re2    Rg1+
65 Kh2    Rb1
66 Rg2    Rb5
67 Ra6    Rf5
68 Kg3    Rf6 resigns


     A very interesting game for the audience, but a very trying game for us !!!



              The 15th ACM North American Computer Chess Championship
                              October, 1984
                          San Francisco, California
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ACM's Fifteenth
North American
Computer Chess Championship
San Francisco, California
October 7-9, 1984

	rate	perf	1	2	3	4	total
1 Cray Blitz	2200	2459	2+□	4+■	3+□	6+■	4
2 Fidelity X	1900	2041	1−■	11+□	9+■	10+□	3
3 Bebe	2100	2107	12+■	10+□	1−■	8+□	3
4 Chaos	1800	2046	11+■	1−□	13+■	7+□	3
5 Belle	2200	2016	7=■	6−□	12+■	13+□	2½
6 Nuchess	2150	2087	8=□	5+■	7=□	1−□	2
7 Phoenix	0	1981	5=□	9+□	6=■	4−■	2
8 Novag X	1900	1896	6=■	12+□	10=■	3−■	2
9 Intelligent Software X	0	1788	13+■	7−■	2−□	11+□	2
10 Schach 2.7	0	1722	14+□	3−■	8=□	2−■	1½
11 Ostrich	1750	1558	4−□	2−■	14+□	9−■	1
12 Awit	0	1600	3−□	8−■	5−□	14+■	1
13 Merlin	0	1506	9−□	14+■	4−□	5−■	1
14 Xenarbor	1400	1172	10−■	13−□	11−■	12−□	0

Round 1

cray blitz — fidelity x 1 e4 c5 2 d4 c×d4 3 ♘f3 e5 4 c3 ♕a5 5 ♕b3 f6 6 ♗c4 ♘h6 7 ♗×h6 g×h6 8 ♗g8 ♔d8 9 ♕f7 ♖×g8 10 ♕×g8 ♔e8 11 ♕×h7 ♕b5 12 b3 ♕c6 13 O-O d×c3 14 ♘×c3 b6 15 ♘d5 ♕d6 16 ♘h4 ♗a6 17 ♘f5 ♕a3 18 ♕g6† ♔d8 19 ♕×f6† ♔c8 20 ♖fc1† ♗c4 21 ♖×c4† ♕c5 22 ♕×f8† ♔b7 23 ♖×c5 b×c5 24 ♕×c5 ♘c6 25 ♘d6† ♔b8 26 ♕b5# 1-0

phoenix — belle 1 d4 d5 2 ♗g5 f6 3 ♗f4 ♘c6 4 ♘f3 g5 5 ♗g3 g4 6 ♘g1 h5 7 h3 e5 8 h×g4 ♗×g4 9 c3 e×d4 10 c×d4 ♘ge7 11 f3 ♗e6 12 e3 ♘f5 13 ♗f2 ♕d6 14 ♗d3 ♘b4 15 g4 ♘×d3† 16 ♕×d3 ♕b4† 17 ♘c3 ♘g7 18 O-O-O O-O-O 19 ♕g6 ♕e7 20 ♗h4 ♘e8 21 g5 ♗f7 22 ♕d3 f×g5 23 ♕f5† ♔b8 24 ♗×g5 ♕d7 25 ♕×d7 ♖×d7 26 e4 ♖g8 27 ♘h3 d×e4 28 f×e4 ♗e6 29 ♗f4 ♗g4 30 ♖d3 ♗g7 31 ♗e3 ♖f7 32 ♘g5 ♖ff8 33 ♘d5 ♗h8 34 ♔b1 ♘d6 35 ♖c1 ♘b5 36 a4 ♘×d4 37 ♗×d4 ♖×g5 38 ♘×c7 ♗e2 39 ♖a3 ♖g4 40 ♘e6 ♖fg8 41 ♗×h8 ♖×h8 42 ♘c5 h4 43 ♘d7† ♔a8 44 ♘f6 ♖f4 45 e5 ♖d8 46 ♖e3 ♗f3 47 ♖d3 ♖h8 48 ♖dc3 ♗c6 49 b3 ♖f5 50 ♘d5 ♖×e5 51 ♘c7† ♔b8 52 ♘a6† b×a6 53 ♖×c6 h3 54 ♖a6 h2 55 ♖h1 ♖g5 56 ♖c6 ♖h3 57 ♔b2 ♖gg3 58 ♖c2 ♖×b3† 59 ♔c1 ♖a3 60 ♖h×h2 ♖×h2 61 ♖×h2 ♖×a4 ½-½

nuchess — novag x 1 c4 e5 2 ♘c3 ♘f6 3 ♘f3 ♘c6 4 g3 ♗b4 5 ♗g2 O-O 6 O-O ♖e8 7 a3 ♗×c3 8 d×c3 d6 9 ♗e3 ♗e6 10 ♕a4 ♘g4 11 ♘g5 ♘×e3 12 ♘×e6 ♖×e6 13 f×e3 ♕g5 14 ♗×c6 ♕×e3† 15 ♖f2 ♖f6 16 ♖af1 ♖×f2 17 ♖×f2 b×c6 18 ♕×c6 ♖f8 19 ♕×c7 ♕c1† 20 ♔g2 ♕×b2 21 ♕×d6 ♕×c3 22 c5 h6 23 c6 ♕d4 24 ♕×d4 e×d4 25 ♖f5 ♖c8 26 ♖c5 ♘f8 27 ♔f3 ♔e7 28 ♔e4 ♔d6 29 ♖a5 ♖c7 30 ♖a6 ♔c5 31 a4 f6 32 h4 ♔c4 33 ♖a5 g6 34 ♖a6 h5 35 ♖a5 ♖×c6 36 ♖×a7 ♖e6† 37 ♔f3 ♖e3† 38 ♔f2 ♘c3 39 ♖b7 ♖e6 40 a5 ♖a6 41 ♖b5 f5 42 ♖b6 ♖×a5 43 ♖×g6 ♖e5 44 ♖g5 ♔c2 45 ♔f1 ♖×e2 46 ♖×f5 d3 47 ♖c5† ♔d1 48 ♖×h5 d2 49 ♖c5 ♖e1† 50 ♔f2 ♖e2† 51 ♔f1 ♖e1† 52 ♔f2 ♖e2† 53 ♔f1 ½-½

awit — bebe 1 c4 e5 2 ♘c3 ♘f6 3 ♘f3 ♘c6 4 d3 d6 5 g3 g6 6 ♗g2 ♗g7 7 O-O O-O 8 ♖b1 a5 9 a3 ♗d7 10 ♗g5 h6 11 ♗d2 g5 12 ♕b3 b6 13 a4 g4 14 ♘e1 ♘d4 15 ♕a2 ♗c6 16 f3 h5 17 h4 g×h3 18 ♗×h3 ♗d7 19 ♗×d7 ♕×d7 20 ♔g2 ♖a6 21 ♖h1 ♖fa8 22 b4 a×b4 23 ♖×b4 ♘e6 24 ♖h4 ♘c5 25 ♘c2 ♘×a4 26 ♘×a4 ♖×a4 27 ♖×a4 ♕×a4 28 ♕×a4 ♖×a4 29 ♘b4 c5 30 ♘c6 ♖a2 31 ♗g5 ♖×e2† 32 ♔f1 ♖b2 33 ♘e7† ♔h7 34 ♗×f6 ♗×f6 35 ♖×h5† ♔g7 36 ♘f5† ♔g6 37 g4 ♖b1† 38 ♔g2 ♖b2† 39 ♔f1 ♗g7 40 f4 f6 41 ♘×d6 e×f4 42 ♘e4 ♖b1† 43 ♔e2 ♗h6 44 ♘×c5 b×c5 45 ♖×c5 ♖g1 46 d4 ♖×g4 47 ♖b5 f3† 48 ♔d3 ♗c1 49 ♖b8 ♖×d4† 50 ♔×d4 f2 51 ♖g8†

♔f5 52 ♔c3 f1♕ 0–1

schach 2.7 — xenarbor 1 e4 c5 2 ♘f3 ♘c6 3 d4 c×d4 4 ♘×d4 ♘f6 5 ♘c3 e5 6 ♘db5 d6 7 ♗g5 a6 8 ♗×f6 g×f6 9 ♘a3 b5 10 ♕d5 ♗d7 11 ♘e2 ♖g8 12 ♕d3 ♗e6 13 ♘b1 ♕a5† 14 ♕c3 ♕×c3† 15 ♘b×c3 ♗e7 16 O–O–O ♔d7 17 ♘d5 ♗×d5 18 e×d5 ♘a7 19 ♘g3 ♔c7 20 ♗d3 ♖h8 21 ♘f5 ♗f8 22 ♖he1 ♖g8 23 ♗e4 h6 24 ♖d3 ♘b7 25 ♖h3 ♖c8 26 ♘×h6 ♗×h6† 27 ♖×h6 ♖h8 28 ♖×f6 ♖×h2 29 ♖×d6 ♖c7 30 ♖f6 ♖d7 31 ♗f3 a5 32 ♖×e5 ♖h1† 33 ♔d2 ♘c8 34 ♗g4 ♖c7 35 d6 ♘×d6 36 ♖×d6 b4 37 ♗f3† ♔b8 38 ♖b5† ♔c8 39 ♗g4† ♖d7 40 ♖×d7 ♖h4 41 ♖c5† ♔b8 42 ♖e5 ♖h8 43 ♖b5† ♔c8 44 ♖×f7† 1–0

ostrich — chaos 1 e4 c5 2 c3 ♘f6 3 e5 ♘d5 4 ♗c4 ♘b6 5 ♗b3 ♘c6 6 ♘f3 d6 7 O–O d×e5 8 ♕e2 f6 9 ♘h4 g6 10 ♘a3 ♗d7 11 d3 e6 12 ♘f3 ♘a5 13 ♗d2 ♘×b3 14 a×b3 ♗c6 15 ♘c4 ♘×c4 16 b×c4 ♗e7 17 ♗h6 ♔f7 18 ♘d2 g5 19 ♕h5† ♔g8 20 ♕h3 ♕d7 21 ♖fe1 a6 22 ♘b3 ♖d8 23 ♖e3 ♔f7 24 ♕h5† ♔g8 25 h3 ♗a4 26 ♘c1 ♕e8 27 ♕f3 ♗c6 28 ♕g4 f5 29 ♕e2 ♕g6 30 ♗×g5 ♗×g5 31 ♘b3 ♗e3 32 f×e3 ♖×d3 33 ♘×c5 ♖×e3 34 ♕d2 ♖×h3 35 ♕d8† ♔f7 36 ♕c7† ♔e8 37 ♕c8† ♔e7 38 ♕c7† ♔e8 39 ♕c8† ♔f7 40 ♕c7† ♔f6 41 ♘d7† ♗×d7 42 ♕×d7 ♕g3 43 ♖f1 ♕e3† 44 ♖f2 ♖h4 45 ♕d2 ♕×d2 46 ♖×d2 ♖×c4 47 ♖d7 b5 48 ♖d6 a5 49 ♖b6 b4 0–1

merlin — intelligent software x 1 e4 c5 2 c3 d5 3 e×d5 ♕×d5 4 d4 e6 5 ♘f3 ♘f6 6 ♗e2 ♘c6 7 O–O ♗d7 8 d×c5 ♗×c5 9 ♕c2 e5 10 ♖d1 ♕e6 11 b4 ♗b6 12 ♘g5 ♕e7 13 ♘d2 h6 14 ♘ge4 ♗f5 15 b5 ♘d8 16 ♘d6† ♕×d6 17 ♕×f5 ♕e6 18 ♕d3 e4 19 ♕g3 e3 20 f×e3 ♕×e3† 21 ♕×e3† ♗×e3† 22 ♔h1 ♗×d2 23 ♗×d2 ♘e4 24 ♗e1 O–O 25 ♖d4 ♘c5 26 ♖ad1 ♘de6 27 ♖d5 a5 28 ♗f3 ♖fc8 29 ♔g1 a4 30 ♗g3 a3 31 ♖d6 ♘g5 32 ♗g4 ♖e8 33 ♖6d5 ♘ge4 34 ♗f4 ♘×c3 35 ♗f3 ♘×d1 36 ♖×d1 ♖a5 37 b6 ♖a6 38 ♗c7 ♖e6 39 ♖d8† ♔h7 40 ♗d5 ♖e1† 41 ♔f2 ♖e7 42 ♔f3 ♘e6 43 ♗e4† g6 44 ♗×b7 ♘×c7 45 ♗×a6 ♘×a6 46 ♖a8 ♘c5 47 ♖×a3 ♔g7 48 ♖a5 ♘b7 49 ♖b5 f5 50 ♖b3 ♔f6 51 a3 g5 52 ♖e3 ♖×e3† 53 ♔×e3 ♔e5 54 h4 adjudicated 0–1

Round 2

chaos — cray blitz 1 d4 d5 2 c4 e6 3 ♘c3 ♘f6 4 ♗g5 ♘bd7 5 e3 ♗b4 6 c×d5 e×d5 7 ♗d3 c5 8 ♘ge2 c4 9 ♗c2 h6 10 ♗h4 ♕b6 11

O–O O–O 12 h3 ♖e8 13 ♗a4 ♗×c3 14 b×c3 ♘e4 15 ♕c2 ♕e6 16 ♘f4 ♕d6 17 f3 ♘g5 18 ♖fe1 a6 19 ♕d2 b5 20 ♗c2 ♘f6 21 ♖ab1 ♗d7 22 ♖b4 a5 23 ♖b2 b4 24 ♔h1 ♖ac8 25 ♗g3 b×c3 26 ♕×c3 ♕a6 27 ♖eb1 a4 28 ♗h4 ♖c7 29 ♖b6 ♕a8 30 ♕b4 ♖cc8 31 ♕c3 ♘gh7 32 ♗g3 a3 33 ♘e2 ♗c6 34 ♗d6 ♘d7 35 ♖6b4 ♖e6 36 ♗f4 ♘hf8 37 ♗f5 ♖ee8 38 ♗d6 ♘e6 39 ♔g1 g6 40 ♗×e6 ♖×e6 41 ♗f4 g5 42 ♗g3 ♖ce8 43 ♗f2 ♘f6 44 ♗g3 ♔f8 45 ♘f5 ♘h5 46 g4 ♘g7 47 e4 ♘×f5 48 g×f5 ♖d6 49 ♗g3 ♖d7 50 ♖b8 ♕a4 51 e×d5 ♗×d5 52 f6 ♖dd8 53 ♖8b4 ♕a7 54 ♖b6 ♖e2 55 ♖b8 ♖ee8 56 ♖8b6 ♔g8 57 ♗e5 ♕d7 58 ♔h2 ♖a8 59 ♔g2 ♕f5 60 ♖1b5 ♗e6 61 ♔g1 ♕d3 62 d5 ♕d1† 63 ♔g2 ♕e2† 64 ♔g3 ♗d7 65 d6 ♗×b5 66 ♖×b5 ♕×a2 0–1

bebe — schach 2.7 1 e4 e5 2 ♘f3 ♘c6 3 ♗b5 a6 4 ♗a4 ♘f6 5 O–O ♗e7 6 ♖e1 b5 7 ♗b3 d6 8 c3 O–O 9 h3 ♘b8 10 d3 ♘bd7 11 ♘bd2 ♗b7 12 ♘f1 ♘c5 13 ♗c2 a5 14 ♘g3 c6 15 d4 ♘cd7 16 ♘f5 ♖e8 17 ♗g5 ♗f8 18 d×e5 ♘×e5 19 ♘×e5 ♖×e5 20 ♕f3 ♕b6 21 ♘h6† g×h6 22 ♗×f6 ♖g5 23 ♗×g5 h×g5 24 ♕f5 ♗g7 25 ♖ad1 g4 26 ♕×g4 ♕c7 27 e5 d5 28 ♕f5 h6 29 e6 f×e6 30 ♖×e6 ♖c8 31 ♕h7† ♔f8 32 ♖de1 1–0

belle — nuchess 1 e4 c5 2 c3 e6 3 d4 c×d4 4 c×d4 d5 5 ♗d3 d×e4 6 ♗×e4 ♘f6 7 ♗c2 ♘c6 8 ♘f3 b6 9 O–O ♗a6 10 ♖e1 ♗b4 11 ♘c3 O–O 12 a3 ♗e7 13 ♗g5 ♕d6 14 b4 ♗c4 15 ♘e5 b5 16 ♗×f6 ♗×f6 17 ♘e4 ♗×e5 18 ♘×d6 ♗×d6 19 ♗d3 ♘e7 20 ♗×c4 b×c4 21 ♖c1 ♖ac8 22 ♕e2 c3 23 ♕a6 ♗f4 24 ♖c2 ♖a8 25 ♕b7 ♘d5 26 ♖ee2 ♗d2 27 ♕a6 g6 28 ♖e4 ♖fc8 29 ♔h1 ♘f8 30 ♖h4 ♗g5 31 ♖h3 ♗e7 32 ♕a4 ♗f6 33 ♖d3 ♖fd8 34 b5 ♖db8 35 ♖c1 a6 36 b×a6 ♖b6 37 a7 ♖b7 38 ♖a1 ♖a×a7 39 ♕d1 ♖b2 40 f3 c2 41 ♕f1 ♗g5 42 g3 ♖ab7 43 f4 ♖b1 44 ♖f3 ♗f6 45 f5 ♗×d4 46 ♖×b1 c×b1♕ 0–1

novag x — awit 1 e4 c5 2 ♘f3 d6 3 d4 c×d4 4 ♘×d4 ♘f6 5 ♘c3 a6 6 ♗e2 e6 7 O–O ♗e7 8 f4 O–O 9 ♔h1 ♗d7 10 e5 d×e5 11 f×e5 ♘e8 12 ♗f3 ♕c7 13 ♕e2 ♗c5 14 ♘b3 ♗b4 15 ♖f2 f5 16 ♗d2 ♘c6 17 ♘d5 ♕×e5 18 ♘×b4 ♕×b2 19 ♘×c6 b×c6 20 ♗×c6 ♗×c6 21 ♕×e6† ♔h8 22 ♕×c6 ♘f6 23 ♗c3 ♖ac8 24 ♕×c8 ♕×a1† 25 ♘×a1 ♖×c8 26 ♗×f6 ♖b8 27 ♘b3 g×f6 28 ♖×f5 ♖e8 29 ♔g1 ♖c8 30 ♖×f6 ♖×c2 31 ♖×a6 ♖b2 32 ♖a7 h5 33 ♔f1 h4 34 ♔g1 ♖b1† 35 ♔f2 ♔g8 36 ♘d2 ♖b2 37 ♔e3 ♔f8 38 a4 ♖a2 39 a5 ♖a3† 40 ♔f2 ♔e8 41 a6 ♔d8 42 ♘c4 ♖a2† 43 ♔f3 h3 44

Ne3 Kc8 45 Kg3 Kb8 46 Rb7+ Ka8 47 Kxh3 Ra3 48 Re7 Rxa6 49 g4 Rh6+ 50 Kg3 Rg6 1-0

phoenix — intelligent software x 1 d4 d5 2 Bg5 Nc6 3 e3 h6 4 Bh4 Nf6 5 c4 Bg4 6 f3 Bf5 7 cxd5 Qxd5 8 Nc3 Qe6 9 e4 Nxe4 10 fxe4 Bxe4 11 Nge2 O-O-O 12 Qb3 Qg4 13 Bf2 e6 14 Ng3 Bb4 15 Be2 Bxc3+ 16 bxc3 Qf4 17 O-O Bd5 18 Qa3 Rd7 19 c4 Bxg2 20 Kxg2 Qd6 21 Qxd6 Rxd6 22 Ne4 Rdd8 23 Rad1 f5 24 Nc3 b6 25 d5 exd5 26 cxd5 Ne7 27 Ba6+ Kb8 28 Bg3 Nc8 29 Rf5 Nd6 30 Bxd6 Rxd6 31 Rf7 Rg6+ 32 Kf3 Rf6+ 33 Rxf6 gxf6 34 Re1 h5 35 Re7 Rg8 36 Nb5 Rc8 37 Bxc8 Kxc8 38 Rxc7+ Kd8 39 d6 Ke8 40 Nd4 1-0

xenarbor — merlin 1 d4 d5 2 c4 c6 3 Nf3 Nf6 4 Nc3 dxc4 5 a4 Bf5 6 Ne5 Nbd7 7 Nxc4 Qc7 8 g3 e5 9 dxe5 Nxe5 10 Bf4 Rd8 11 Qxd8+ Qxd8 12 Bxe5 Bc2 13 Bxf6 Qxf6 14 Ne3 Bb3 15 Bh3 Bb4 16 Ned1 Bxd1 17 Rxd1 Bxc3+ 18 bxc3 Qxc3+ 19 Kf1 Qb4 20 Bd7+ Ke7 21 Bf5 Qxa4 22 Kg2 Kf6 23 Bb1 Ke6 24 h4 a5 25 h5 Qg4 26 f3 Qc4 27 Kf2 b5 28 e3 Qc3 29 h6 Qb2+ 30 Kg1 Qe2 31 hxg7 Qxd1+ 32 Kf2 Qd2+ 33 Kf1 Rg8 34 Rh6+ f6 35 Bf5+ Kxf5 36 e4+ Ke5 37 Rh5+ Kd4 38 e5 Ke3 39 Kg1 Qf2+ time forfeit 0-1

fidelity x — ostrich 1 e4 d5 2 exd5 Nf6 3 d4 Nxd5 4 c4 Nb6 5 Nf3 Bg4 6 Be2 Nc6 7 d5 Bxf3 8 Bxf3 Ne5 9 b3 g6 10 Bb2 Bg7 11 Nc3 O-O 12 Be2 Ned7 13 O-O Bxc3 14 Bxc3 e5 15 Bb4 Re8 16 c5 Nc8 17 Qc2 Nf6 18 Bb5 Re7 19 c6 Nd6 20 cxb7 Rb8 21 Bc6 Qf8 22 Bc5 Qd8 23 Bxa7 Rxb7 24 Bxb7 Nxb7 25 Qc6 Nd6 26 a4 Nde8 27 Rad1 Rd7 28 Rfe1 e4 29 Bc5 Qb8 30 f3 exf3 31 Rd3 Qd8 32 gxf3 Ng7 33 Re5 Nge8 34 Kf2 h5 35 Ke1 Nh7 36 Rd2 Nef6 37 Rde2 Kg7 38 Be7 Qb8 39 b4 h4 40 h3 Qa7 41 Bc5 Qb8 42 a5 Qc8 43 Be7 Qg8 44 Rd2 Qh8 45 Rd4 Qc8 46 Re2 g5 47 f4 Kg6 48 fxg5 Kxg5 49 Rg4+ Kh5 1-0

Round 3

cray blitz — bebe 1 e4 c5 2 d4 cxd4 3 Nf3 Nc6 4 Nxd4 Nf6 5 Nc3 d6 6 f4 Qb6 7 Nb3 e5 8 Qe2 Bg4 9 Qb5 Qxb5 10 Bxb5 a6 11 Bxc6+ bxc6 12 O-O Rb8 13 Na5 Bd7 14 Rd1 Ng4 15 h3 Nf6 16 Nc4 Rb4 17 b3 d5 18 exd5 Bc5+ 19 Kh2 Bd4 20 dxc6 Bxh3 21 Nd6+ Ke7 22 Kxh3 Kxd6 23 Ba3 a5 24

Bxb4+ axb4 25 Nb5+ Kxc6 26 Nxd4+ exd4 27 Rxd4 Nd5 28 a3 bxa3 29 c4 Nb4 30 Rxa3 Re8 31 Ra7 Re3+ 32 Kh4 Nc5 33 Rd8 Rxb3 34 Rc8+ Kd4 35 Rxf7 g6 36 Rxh7 Re3 37 g3 1-0

nuchess — phoenix 1 f4 d5 2 Nf3 Bg4 3 e3 Nd7 4 Be2 e6 5 O-O Bd6 6 c4 Ngf6 7 Nc3 dxc4 8 Bxc4 Nb6 9 Be2 O-O 10 Qb3 Nfd5 11 d4 Nxc3 12 bxc3 c5 13 Bd2 Qc7 14 a4 c4 15 Qb5 a6 16 Qb2 Nd5 17 h3 Bf5 18 Ne5 Bxe5 19 fxe5 f6 20 Qa2 fxe5 21 Qxc4 Qb6 22 a5 Qd6 23 Qb3 exd4 24 cxd4 Be4 25 Bd3 Bxd3 26 Qxd3 Rad8 27 Rxf8+ Rxf8 28 Rf1 Nf6 29 Qb3 Qd5 30 Qb2 Rc8 31 Rc1 Rc6 32 Qa3 e5 33 Qb4 Rxc1+ 34 Bxc1 exd4 35 exd4 Qb5 36 Ba3 Qxb4 37 Bxb4 Kf7 38 Kf2 g5 39 Ke2 Nd5 40 Bd2 h6 41 Kd3 Ke6 42 Kc4 Kd6 43 h4 gxh4 44 Bxh6 b5+ 45 axb6 Nxb6+ 46 Kd3 a5 47 Bg5 a4 48 Bxh4 Nd5 49 Bg5 a3 50 Kc2 Nb4+ 51 Kb1 Kd5 52 Be7 a2+ 53 Kb2 Nc2 54 Kxa2 Ne3 55 g3 ½-½

schach 2.7 — novag x 1 e4 e5 2 Nf3 Nc6 3 Bb5 a6 4 Bxc6 dxc6 5 Nc3 f6 6 d4 exd4 7 Qxd4 Bd6 8 O-O Ne7 9 Qc4 b5 10 Qb3 c5 11 Nd5 c4 12 Qc3 O-O 13 Rd1 Kh8 14 Bf4 Nxd5 15 Rxd5 Bb7 16 Rd4 Qe7 17 Bxd6 cxd6 18 Rad1 Bxe4 19 Rxd6 Rad8 20 R6d4 Bb7 21 Re1 Qf7 22 Qa5 Rxd4 23 Nxd4 Qd5 24 Nf3 Qf5 25 Qa3 Kg8 26 Nd4 Qg4 27 Nf3 b4 28 Qe3 Bxf3 29 Qxf3 Qxf3 30 gxf3 a5 31 Re4 Rc8 32 c3 Kf7 33 Kf1 g6 34 Kg2 bxc3 35 bxc3 h6 36 a4 Rc6 37 f4 Rc5 38 h4 Rc6 39 f3 Rc7 40 Kf2 Rc8 41 Ke2 Rc7 ½-½

merlin — chaos 1 e4 c5 2 c3 Nf6 3 e5 Nd5 4 d4 cxd4 5 Nf3 Nc6 6 cxd4 d6 7 Bc4 Nb6 8 Bb5 e6 9 O-O Be7 10 Nc3 d5 11 Qc2 Bd7 12 Bf4 Rc8 13 Rac1 Nxe5 14 Bxe5 Bxb5 15 Bxg7 Bxf1 16 Rxf1 Rg8 17 Qxh7 Kd7 18 Ne5+ Kc7 19 Nb5+ Kb8 20 Nxf7 Rxg7 21 Qxg7 Qd7 22 Qg3+ Ka8 23 Nc3 Bb4 24 Ne5 Qc7 25 Qh3 Bxc3 26 Rc1 Bxd4 27 Rxc7 Rxc7 28 Nd3 e5 29 Qg3 Rc8 30 Qg7 Bxb2 31 Kf1 Bd4 32 Nxe5 Rc1+ 33 Ke2 a6 34 Qg8+ Rc8 35 Qe6 Bxe5 36 Qxe5 Rc2+ 37 Kf3 Rxa2 38 Qd6 Ka7 39 h4 Rc2 40 g4 a5 41 h5 Rc3+ 42 Kf4 a4 43 f3 a3 44 Qe5 Rc4+ 45 Kf5 Ra4 46 Qa1 Nc4 47 h6 Ne3+ 48 Ke6 Nc2 49 Qa2 Ra6+ 50 Kd7 Nb4 51 Qf2+ Ka8 52 Qc5 a2 53 Qxb4 a1Q 54 Qf8+ Ka7 55 h7 Qa4+ 56 Kd8 Qa5+ 57 Ke8 Qc7 58 Qf7 Qe5+ 59 Kf8 Rf6 60 h8N Qg5 61 Qxf6 Qxf6+ 62

♘f7 ♕xf3 63 g5 ♕f5 64 ♔g8 d4 **0–1**

intelligent software x — fidelity x 1 ♘f3 c5 2 g3 ♘c6 3 ♘c3 d5 4 d3 d4 5 ♘e4 e5 6 ♗g2 f5 7 ♘ed2 ♘f6 8 ♘c4 e4 9 ♘fe5 ♘xe5 10 ♘xe5 ♕a5† 11 ♗d2 ♕b6 12 ♘c4 ♕a6 13 e3 ♗e6 14 ♕e2 ♗e7 15 O-O O-O 16 a4 ♕c6 17 dxe4 fxe4 18 f4 ♕a6 19 b3 ♗d6 20 ♖fb1 ♗f5 21 exd4 cxd4 22 a5 ♗c5 23 ♔h1 e3 24 ♗e1 ♗d7 25 ♕d3 ♖ad8 26 ♘e5 ♗b5 27 ♕f5 ♘d5 28 ♕h3 ♖fe8 29 b4 ♗f8 30 ♗f3 ♘f6 31 c4 ♗xc4 32 ♘xc4 ♕xc4 33 ♗xb7 d3 34 b5 d2 35 ♗c6 dxe1♘ 36 ♖xe1 ♖e7 37 ♖ac1 ♕b4 38 a6 ♖d2 39 ♕f5 ♕b2 40 ♕h3 ♘g4 41 ♗d5† ♔h8 42 ♕g1 ♖xh2 43 ♕g2 ♕f2† 44 ♕xf2 exf2† 45 ♔f1 fxe1♕† 46 ♖xe1 ♖f2† 47 ♔g1 ♖xe1# **0–1**

awit — belle 1 c4 e6 2 ♘c3 d5 3 cxd5 exd5 4 d4 ♗e7 5 e3 ♘f6 6 ♗d3 O-O 7 ♘f3 b6 8 O-O ♗b7 9 ♖e1 ♘e4 10 ♘e5 f5 11 ♕b3 a5 12 a3 ♘xc3 13 ♕xc3 ♗b4 14 axb4 axb4 15 ♖xa8 bxc3 16 ♖a3 cxb2 17 ♗xb2 ♘d7 18 ♖a7 ♘xe5 19 dxe5 ♕b8 20 ♖ea1 c6 21 h3 g6 22 ♖7a4 ♖c8 23 ♗c3 b5 24 ♖b4 ♕c7 25 g4 fxg4 26 hxg4 ♖a8 27 ♖xa8† ♗xa8 28 f4 ♕a7 29 ♗d2 ♕a2 30 ♗e1 ♕a3 31 ♗xb5 cxb5 32 ♖xb5 ♕xe3† 33 ♗f2 ♕c1† 34 ♔h2 ♕xf4† 35 ♗g3 ♕d2† 36 ♔h3 ♕h6† 37 ♔g2 d4† 38 ♔f1 ♕c1† 39 ♔e2 ♕c4† 40 ♔f2 ♕xb5 **0–1**

ostrich — xenarbor 1 e4 c5 2 c3 ♘f6 3 e5 ♘d5 4 ♗c4 e6 5 ♗xd5 exd5 6 d4 ♕b6 7 dxc5 ♗xc5 8 ♕d2 ♕e6 9 ♘f3 h6 10 b4 ♗e7 11 O-O O-O 12 ♖d1 ♘c6 13 ♕xd5 ♕xd5 14 ♖xd5 f5 15 b5 ♘d8 16 ♗a3 ♗xa3 17 ♘xa3 ♘e6 18 ♘c4 ♘c7 19 ♖c5 ♘e8 20 ♘d6 ♘xd6 21 exd6 a6 22 b6 ♖f6 23 ♖e1 ♔f8 24 ♖d5 a5 25 ♖ee5 g6 26 a4 f4 27 ♘d2 ♔g7 28 ♘c4 f3 29 g3 ♖e6 30 ♖xe6 dxe6 31 ♖c5 ♔f7 32 ♘e5† ♔e8 33 ♖xc8† ♖xc8 34 d7† ♔d8 35 dxc8♕† ♔xc8 36 h4 g5 37 hxg5 hxg5 38 ♔h2 ♔d8 39 g4 ♔e7 40 ♘xf3 ♔f6 41 ♔g3 e5 42 ♘d2 ♔e6 43 ♘b3 ♔d5 44 ♘xa5 ♔c5 45 ♘xb7† ♔xb6 46 ♘d6 ♔a5 47 ♘e4 ♔xa4 48 ♘xg5 ♔b3 49 ♘e4 ♔b2 50 g5 ♔b3 51 g6 ♔c4 52 ♔g4 ♔d3 53 ♔f5 **1–0**

Round 4

nuchess — cray blitz 1 c4 e5 2 ♘c3 ♗b4 3 a3 ♗xc3 4 dxc3 ♘e7 5 g3 d5 6 cxd5 ♕xd5 7 ♕xd5 ♘xd5 8 ♗g2 ♘b6 9 a4 O-O 10 a5 ♘c4 11 ♖a4 ♘d6 12 a6 ♘d7 13 ♗e3 ♘b6 14 ♖h4 ♖d8 15 axb7 ♗xb7 16 ♗xb7 ♘xb7 17 ♘f3 ♖d5 18 c4 ♖a5 19 O-O ♖a2 20 ♖d1

♖xb2 21 c5 ♘c8 22 ♖d7 f6 23 ♖g4 g6 24 ♖h4 h5 25 ♖xc7 ♘d8 26 ♖a4 ♖b7 27 ♖xb7 ♘xb7 28 ♖a6 ♔f7 29 ♘d2 ♘d8 30 ♘e4 f5 31 ♘g5† ♔g7 32 ♘f3 ♘f7 33 ♘xe5 ♘xe5 34 ♗d4 ♔g8 35 ♗xe5 ♘e7 36 e3 ♔f7 37 ♖f6† ♔g8 38 ♔g2 ♖c8 39 ♔f3 ♖e8 40 ♖a6 ♖a8 41 ♔f4 ♔f7 42 ♔g5 ♖g8 43 ♖f6† ♔e8 44 ♗d6 ♘c8 45 ♖xg6 ♖xg6† 46 ♔xg6 ♘xd6 47 cxd6 a5 48 g4 hxg4 49 ♔xf5 a4 50 e4 a3 51 ♔xg4 a2 52 e5 a1♕ 53 f4 ♕g1† 54 ♔f5 ♕xh2 55 e6 ♕c2† **0–1**

bebe — novag x 1 e4 e5 2 ♘f3 ♘c6 3 ♗b5 a6 4 ♗a4 ♘f6 5 O-O b5 6 ♗b3 d6 7 ♘g5 d5 8 exd5 ♘d4 9 d6 ♘xb3 10 dxc7 ♕xc7 11 axb3 h6 12 ♘f3 e4 13 ♖e1 ♗e7 14 ♘c3 exf3 15 ♘xb5 ♕c5 16 ♕xf3 ♕xb5 17 ♕xa8 ♕b7 18 ♕xb7 ♗xb7 19 d4 ♔d7 20 c4 ♗b4 21 ♖e2 ♖d8 22 d5 ♘xd5 23 cxd5 ♗xd5 24 ♖xa6 ♗xb3 25 ♖e4 ♗c5 26 ♗e3 ♔c7 27 ♖a1 ♗d5 28 ♗f4† ♔c6 29 ♖ea4 ♗e6 30 ♗e5 ♖d2 31 ♗xg7 ♗xf2† 32 ♔h1 ♗d5 33 ♗c3 ♖c2 34 ♖a6† ♔c7 35 ♖6a5 ♔c6 36 ♖a6† ♔c7 37 ♖6a5 ♔c6 38 ♖a8 ♗b6 39 ♖g8 f5 40 ♖g6† ♔b5 41 ♖d1 ♗e4 42 ♗d2 ♖xb2 43 ♗xh6 f4 44 ♖g5† ♔c6 45 ♖c1† ♔d6 46 ♗g7 ♖f2 47 ♖d1† ♔c6 48 ♗e5 ♗e3 49 ♖g4 ♗c2 50 ♖a1 ♔d5 51 ♗b8 f3 52 gxf3 ♗xf3 53 ♖a5† ♔e6 54 h4 ♗f5 55 ♖ga4 ♔f7 56 ♔g2 ♖f2† 57 ♔g3 ♖f1 58 ♗f4 ♗f2† 59 ♔g2 ♗d3 60 ♖d5 ♗e2 61 ♖d7† ♔g6 62 h5† ♔xh5 63 ♖d2 ♗b6 64 ♖xe2 ♖g1† 65 ♔h2 ♖b1 66 ♖g2 ♖b5 67 ♖a6 ♖f5 68 ♔g3 ♖f6 **1–0**

chaos — phoenix 1 d4 c5 2 d5 e5 3 e4 d6 4 c4 g6 5 ♘c3 ♗g7 6 ♗d3 ♘e7 7 ♘ge2 O-O 8 ♗d2 f5 9 f3 ♘a6 10 ♗g5 ♘b4 11 ♗b1 h6 12 ♗h4 g5 13 ♗f2 fxe4 14 ♗xe4 ♗f5 15 O-O ♕d7 16 a3 ♘a6 17 ♕b3 ♘c7 18 ♗xf5 ♘xf5 19 ♕xb7 ♖fb8 20 ♕c6 ♕xc6 21 dxc6 ♖xb2 22 ♖ab1 ♖ab8 23 ♘g3 ♖xb1 24 ♖xb1 ♖xb1† 25 ♘xb1 ♘e7 26 ♘e4 ♘e8 27 ♘xd6 ♘xd6 28 ♗xc5 ♘ec8 29 ♘d2 ♔f7 30 ♔f2 ♔e6 31 ♔e3 ♘c4† 32 ♘xc4 ♔d5 33 ♗b4 ♔xc4 34 ♔e4 ♔b5 35 c7 ♔b6 36 ♔f5 a5 37 ♗c3 ♔xc7 38 ♔g6 ♗f8 39 ♗xa5† ♔c6 40 ♗b4 ♗xb4 41 axb4 ♘e7† 42 ♔xh6 g4 43 ♔g5 gxf3 44 gxf3 ♔b5 45 ♔f6 ♘d5† 46 ♔xe5 ♘xb4 47 h4 ♘d3† 48 ♔f5 ♘c5 49 f4 ♔c6 50 h5 ♘d7 51 h6 ♘f8 52 ♔f6 ♔d7 53 ♔f7 ♘h7 54 ♔g7 ♔e7 55 ♔xh7 ♔f7 56 f5 ♔f6 57 ♔g8 **1–0**

fidelity x — schach 2.7 1 e4 e5 2 ♗c4 ♘f6 3 d3 c6 4 ♘f3 d5 5 ♗b3 ♗d6 6 ♘c3 ♗e6 7 ♗g5 ♕a5 8 O-O ♘bd7 9 exd5 ♘xd5 10 ♘e4 ♗c7 11 ♗d2 ♕a6 12 ♘fg5 O-O 13

♘xe6 fxe6 14 ♕g4 ♖ae8 15 ♕h3 ♗d8 16 a4
♘c7 17 ♘d6 ♖e7 18 ♗c4 ♕b6 19 ♘c8
♕xb2 20 ♖a2 ♕d4 21 c3 ♕c5 22 ♗e3 ♕a5
23 ♘xe7† ♗xe7 24 ♗xe6† ♘xe6 25 ♕xe6†
♖f7 26 ♕xd7 ♗f8 27 ♕h3 ♕xc3 28 ♗a7
♕b3 29 ♖aa1 ♕b4 30 ♕e6 ♕a5 31 ♗b8
♕d8 32 ♗xe5 ♕xd3 33 ♖ab1 ♕a6 34 ♖b3
c5 35 ♖b6 ♕a8 36 ♖fb1 ♗e7 37 ♖xb7 ♕d8
38 ♖xe7 ♕xe7 39 ♖b8† 1–0

belle — merlin 1 e4 e5 2 ♗c4 ♘f6 3 d4
exd4 4 ♘f3 d5 5 exd5 ♗b4† 6 c3 ♕e7† 7
♗e2 dxc3 8 bxc3 ♗c5 9 O–O O–O 10 c4
♗g4 11 ♘c3 ♘a6 12 h3 ♗f5 13 ♘d4 ♗g6 14
♗e3 ♘b4 15 a3 ♘a6 16 ♕c1 ♖ad8 17 ♖d1
♗b6 18 ♗d3 ♗xd3 19 ♖xd3 ♘e4 20 ♘f5
♕e5 21 ♗xb6 axb6 22 ♘xe4 ♕xf5 23 ♕e1
♖a8 24 ♖b1 ♖fb8 25 ♖e3 ♖c8 26 ♖bb3 ♕f4
27 ♖g3 ♕e5 28 ♖be3 ♕d4 29 ♕d2 ♕xd2
30 ♘xd2 ♘c5 31 ♖e7 ♔f8 32 ♖e1 ♖a4 33
♖c3 ♖ca8 34 ♘b1 f6 35 f3 f5 36 g4 f4 37
♔g2 ♔f7 38 h4 ♖e8 39 ♖xe8 ♔xe8 40 ♘d2
♔e7 41 ♘e4 ♘xe4 42 fxe4 ♔d6 43 ♔f2
♔e5 44 ♔f3 ♖a8 45 ♖d3 ♖a5 46 ♖b3 g6 47
g5 ♖a4 48 ♖c3 ♖a8 49 ♖b3 ♖d8 50 ♖b2
♖e8 51 ♖b4 ♖h8 52 ♖b5 ♖f8 53 ♖b1 ♖c8 54
♖b2 ♖d8 55 ♖b4 ♖c8 56 ♖a4 c6 57 dxc6
bxc6 58 ♖a7 ♖h8 59 a4 ♔d4 60 ♖b7 ♔c5 61
♔xf4 ♖f8† 62 ♔e3 ♖h8 63 ♖c7 h6 64 ♖g7
hxg5 65 hxg5 ♖a8 66 ♖xg6 ♖xa4 67 ♖f6
♖xc4 68 ♖f5† ♔d6 69 g6 ♖c3† 70 ♔f4 ♖c1
71 g7 ♖f1† 72 ♔g5 ♖g1† 73 ♔f6 ♖xg7 74
♔xg7 ♔e6 75 ♖f6† 1–0

intelligent software x — ostrich 1 ♘f3 e6 2
d4 d5 3 ♗f4 ♗d6 4 ♗xd6 ♕xd6 5 ♘c3 ♘c6
6 e3 a6 7 ♗e2 ♘f6 8 a3 O–O 9 ♕d3 ♖b8 10
O–O ♗d7 11 ♖fd1 b5 12 ♔f1 ♖be8 13 h3
e5 14 dxe5 ♘xe5 15 ♘xe5 ♖xe5 16 f4 ♖e6
17 ♘xd5 ♘xd5 18 ♕xd5 ♖e3 19 ♕xd6
cxd6 20 ♖xd6 ♖fe8 21 ♗d3 ♗c8 22 a4 bxa4
23 ♖xa4 ♖3e6 24 ♖xe6 ♗xe6 25 ♖xa6 g6 26
c3 ♖b8 27 b4 ♖c8 28 ♖a3 ♗c4 29 ♗xc4 ♖xc4
30 g3 ♔g7 31 ♔e2 ♖e4† 32 ♔d3 ♖e1 33 c4
♖g1 34 ♔d4 ♖g2 35 b5 ♖b2 36 ♔e5 ♖c2 37
♔d5 ♖b2 38 g4 ♔f6 39 ♖a6† ♔g7 40 b6
♖b3 41 h4 h5 42 g5 ♖d3† 43 ♔c5 1–0

xenarbor — awit 1 d4 ♘f6 2 c4 g6 3 ♘c3
d5 4 ♗f4 ♗g7 5 e3 c6 6 cxd5 ♘xd5 7 ♘xd5
♕xd5 8 ♘f3 ♗f5 9 ♗e2 O–O 10 h3 ♖d8 11
♗c7 ♖c8 12 ♗xb8 ♖cxb8 13 O–O ♖d8 14
♕b3 ♕xb3 15 axb3 ♗f6 16 ♖fc1 a5 17 ♘d2
♗g5 18 ♖c5 ♖d5 19 ♖xd5 cxd5 20 b4 ♖c8
21 f4 ♗h4 22 ♘f3 ♗g3 23 ♗b5 axb4 24 ♘e1
♗e4 25 ♗d7 ♖c7 26 ♗g4 ♗xe1 27 ♖xe1 h5
28 ♗f3 ♗xf3 29 gxf3 ♖c2 30 b3 ♖b2 31 ♖c1

♖xb3 32 ♖c7 ♖e3 33 ♖xb7 ♖xf3 34 ♖b8†
♔g7 35 ♖b4 ♖xh3 36 ♔g2 ♖d3 37 ♔f2
♔f6 38 ♔e2 ♖a3 39 ♖b2 ♔f5 40 ♔f1 ♖a4
41 ♖e2 ♖xd4 42 ♖e5† ♔g4 43 ♖xe7 ♖f4†
44 ♔g1 f5 45 ♖e2 g5 46 ♖d2 d4 47 ♖c2 h4
48 ♔h2 ♔f3 49 ♔g1 ♔e3 50 ♖c7 d3 51
♖c3 ♔e2 0–1

COMPARATIVE CHART

	EAS-C	SUPER CONST.	ELEGANCE	CONST.3.6	SC-12	CONCHESS X	HANIMEX 1900	CONCORD
Estimated Rating (1)	2025	2015	2010	1855	1850	UNR	1740	1650
Opening Book Size	6K	22K	3K	3K	3K	3K	2K	1K
Active/Passive Style of Play (2)	A	A	A	A	A	A	P	P
Human Like Play (3)	1	1	1	2	1	2	3	3
Touch Sensory Board	N	Y	N	Y	Y	N	N	Y
Auto-Response Board	Y	N	Y	N	N	Y	Y	N
Set-up Positions	Y	Y	Y	Y	Y	Y	Y	Y
Plays Black from Bottom of Board	Y	Y	Y	Y	Y	N	Y	Y
Change Color During Game	Y	Y	Y	Y	Y	Y	Y	Y
Opening Book Practice Mode	Y	N	Y	N	Y	N	N	N
Cancel Opening Book Option	Y	N	Y	N	Y	N	N	N
Monitor Mode	Y	Y	Y	Y	Y	Y	Y	Y
Clock Display	Y	optional	N	N	N	N	N	N
Beeper On/Off Control	Y	Y	Y	Y	Y	Y	Y	Y
Take Back (# of Ply)	ALL	ALL	ALL	30	ALL	ALL	20	4
Trace Forward of Re-traced Moves	Y	Y	Y	Y	Y	Y	Y	Y
Gives Hints	Y	Y	Y	Y	Y	Y	Y	N
Control Computer Thinking on your Time	Y	N	Y	N	Y	N	N	N
Retains all of Game in Memory	Y	Y	Y	N	N	N	N	Y
Battery Back-up	Y	Y	Y	N	N	N	N	Y
Underpromotes	Y	Y	Y	Y	Y	N	N	N
Random/Best Option	N	Y	N	Y	N	Y	N	N
Claims a Draw	Y	Y	Y	Y	Y	Y	Y	Y
Accepts/Declines a Draw	Y	N	Y	N	Y	N	N	N
Offers a Draw	Y	N	Y	N	Y	N	N	N
Resigns	Y	Y	Y	N	Y	N	N	N
Displays Prediction of Main Variation	Y	N	Y	N	N	Y	N	N
Displays Depth of Analysis	Y	Y	N	N	N	Y	N	N
Displays Positional/Material Score	Y	N	N	N	N	N	N	N
Announces a Forced Mate in Advance	Y	Y	Y	N	Y	N	N	N
Displays Move while Computing	Y	Y	Y	Y	Y	Y	Y	N
Special Mate Solving Level(s)	Y	Y	Y	Y	Y	Y	Y	N
Portable (small size, uses batteries)	N	Y	N	Y	N	N	N	Y
Printer Capable	Y	Y	Y	N	Y	N	N	N
Voice Feature	Y	N	N	N	N	N	N	N
Modular Feature	Y	N	Y	Y	Y	Y	N	N
Modular Processor	N	N	N	N	N	Y	N	N
Programmable Openings	N	Y	N	N	N	N	N	N
Fixed Depth Level(s)	Y	Y	N	N	N	Y	N	N
Fixed Time Level(s)	Y	N	N	N	N	Y	N	N
Next Best Move Option	Y	N	Y	Y	Y	N	N	N
Number of Levels	15	15	12	8	12	12	12	9
Warranty Period (months)	3	3	3	3	3	3	6	3
AC Adapter	Y	Opt.	Y	Opt.	Y	Y	Y	Opt.
List Price	700	400	400	250	250	350	275	120
					12-C 275			

Notes: 1. Very subjective estimate
2. A=Active; P=Passive
3. In relative terms-- 1=Maximum; 2=Intermediate; 3=Minimum

ELITE A/S - 'C' (4.0)

machine - wood construction
board - inlaid nutwood
pieces - 3 3/8" king (variable) wood
size - 19" x 18" x 1 1/2"
board size - 1 3/4" squares
magnetic (auto) sensitive
no battery capacity
lights on each square

Available Options:

 a)Printer
 b)CB-9 Module
 c)CB-16 Module
 d)Tarrasch defense module
 e)64 greatest games module
 f)ECO modules - A thru E
 g)carrying case
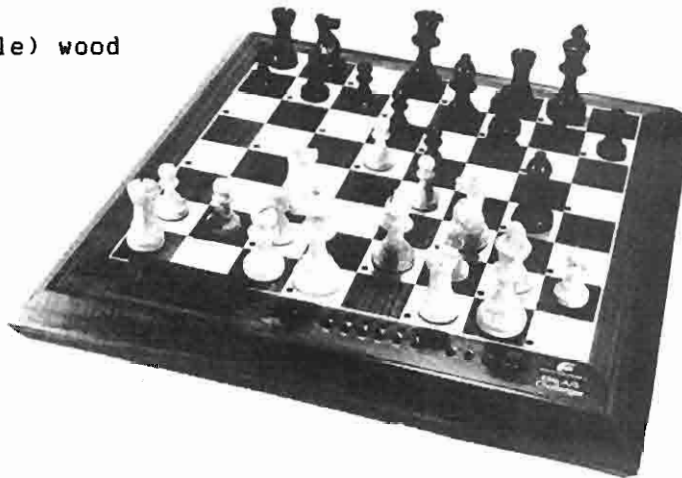
SUPER CONSTELLATION

plastic and brushed aluminum
board color - silver/beige
machine color - dark grey
pieces - 2" king (plastic)
size - 12" x 9 3/4" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 6 to 8 hrs.
lights on coordinates

Available Options:
 a)quartz chess clock
 b)printer
 c)a/c adapter
 d)carrying case

ELEGANCE

wood construction
pieces - 2 1/4" king (wood)
size - 14 1/4" x 14" x 1 3/4"
board size - 1 1/4" squares
magnetic (auto) sensitive
no battery capacity
lights on each square

Available Options:

 a)Printer
 b)CB-9 Module
 c)CB-16 Module
 d)Tarrasch defense module
 e)64 greatest games module
 f)ECO modules - A thru E

CONCORD

 Plastic construction
 board color - silver/black
 machine color - black
 size - 9 1/4" x 11 1/4" x 3/4"
 board size - 1" squares
 pressure sensitive
 pieces 2" king (metal)
 batteries 4 'AA' will last 60 to 80 hrs

 Available Options:
  a/c adapter

EXPLORER

plastic construction
board color - black/grey
machine color - grey/red
pieces - 3/8" king (plastic)
size - 7 1/2" x 4 1/2" x 1"
board size - 3/8" squares
pressure sensitive
batteries - 3 'AA' will last 60 to 80 hrs.
lights on coordinates

Available Options:
 NONE

SUPERSTAR

plastic construction
board color - grey and black
machine color - grey
pieces - 2" king (plastic)
size - 14 1/2" x 9 1/2" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 10 - 12 hours
lights on coordinates

available options:
 a)a/c adapter
 b)carrying case

SENSORY "9-B"

plastic construction
board color - green/tan
machine color - black
pieces - 2" king (plastic)
size - 10 1/2" x 11" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 6 to 8
lights on coordinates

Available Options:
 a)CB-9 module
 b)CB-16 module
 c)tarrasch defense module
 c)64 greatest games module
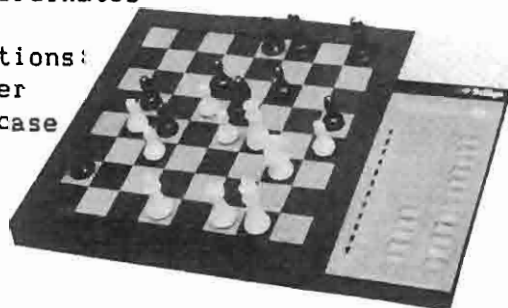
SENSORY 12/12-C

aluminum top - wood (walnut) boarder
SC 12 pieces - 2" king (wood)
SC 12-C pieces - 2" king (plastic)
size - 14 1/4" x 14" x 1 3/4"
board size - 1 1/4" squares
pressure sensitive
no battery capacity
lights on coordinates

 Available Options:

 a)Printer
 b)CB-9 Module
 c)CB-16 Module
 d)Tarrasch defense module
 e)64 greatest games module

CONSTELLATION 3.6

plastic and brushed aluminum
board color - silver/beige
machine color - black
pieces - 2" king (plastic)
size - 12" x 9 3/4" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 6 to 8 hrs.
lights on coordinates

available options:
 a)a/c adapter
 b)carrying case

SUPER CONSTELLATION

When the Super Constellation made its market debut in September, it became the first of a new generation of commercial chess computers that delivered a performance rating higher than any microcomputer had ever attained before. Without a doubt, I found the Super Constellation one of the most versatile and powerful chess computers ever created. Its aggressive playing style, which combines finely tuned positional play with a blistering fast tactical ability, has brought a new enthusiasm to people who thought all chess computers were weak, boring, and expensive.

Super Constellation programmer Dave Kittenger has been actively involved in the development of new and innovative programming techniques. One of his most significant advances has been to design a program that will perform "positional" or "strategic" sacrifices that can occur at any point in the game, and often lead to unclear positions. The Super Constellation has been programmed with this ability to sacrifice, and it has opened up a new dimension for chess players to explore. The sacrificing feature is about 75% accurate, and in the 25% of cases where the Super Constellation makes an unsound sacrifice, it reaches into its bag of tricks to look for a saving draw, even by giving away more material to reach an ending where its opponent has insufficient mating forces, or where it can get a perpetual check. If all else fails, and a loss is inevitable, Super Constellation will resign like a true gentlemachine.

Another novel idea to make the Super Constellation play more "human-like", has been the inclusion of a position evaluation routine which contains a tremendous amount of chess knowledge based on the principles of positional play. This evaluation routine is carried out before any forward searching is done, resulting in a maximum efficiency of speed and an avoidance of repetitive searching.

For advanced players, a particularly nice feature is the programmable opening book. It allows the user to select his own opening variations (up to 2,400 ply), and place them in the Super Constellation's memory with the option of giving some lines priority over others regarding the frequency of occurrence. This alone can cover more openings than many other computers, and would normally be quite sufficient; yet, this is only a supplement to the largest single preprogrammed opening library ever in a chess computer. This built-in book consists of over 20,000 moves with some variations extending to 43 ply (22 moves) deep. The only drawback I saw to the opening book was its tendency to play 1.e4 on the first move (about 65-85%), and respond to 1.e4 with 1...e5 with almost as much regularity. It also plays the Symmetrical English as black much too often without varying to other QP openings--despite the automatic random selection for opening book moves. However, there is an abundance of variety including many rarely played lines that the Super Constellation chooses after several book moves.

The Super Constellation's powerful and highly innovative play is due, in part, to its awesome 56K program and 4 MHz speed. For the features that you can access, sweetners like a depth search and mate announcement indicator have been added. Unfortunately, the Super Constellation is not upgradeable, unless Novag accepts them for factory upgrading, which I doubt will happen.

Finally, there are two accessories available for the Super Constellation: a thermal printer, which is clearly the finest and most reliable chess printer ever made for a chess computer, and a fully programmable quartz chess clock that can also double as a tournament clock for human vs. human competition.

ELEGANCE

The first Fidelity computer containing the all new Glascow or "C" program, the Elegance , combines beautiful styling with the latest improvements from last year's strongest program, the Budapest World Champion or "B" program. This new program is between 50-100 points better than the EAS-B, and is certainly one of the top chess computers along with the Super Constellation and Elite A/S-C (4.0).

Several features have been removed to reduce the cost and make the Elegance a very attractive offer to those looking for a highly advanced chess computer for an economical price. Most of the features that were left out were frivolous and would only have added an extra expense to the unit. The voice was one, and the built in display (important only if you must have a chess clock) was another.

Upon examining the Elegance, the first thing I noticed were the extra steps required to start up the unit. Apparently, this procedure is necessary to eliminate any operating problems.

The playing surface is larger than standard sets with a 10 X 10" playing area and 1 1/4" squares. Another advantage the Elegance has over other computers in its price range is an auto response board with LED's on every square. Strong contacts had to be used for an auto-response board this small, so extra small magnets have been placed on each piece. The only problem with this is that the magnets are just glued on the bottom of each piece with no felt covering to prevent the magnets from scratching the wood surface. Besides being an eyesore, the magnets are too large for the size of the pieces. And to make matters worse, you can not substitute your own pieces unless you can get industrial strength magnets.

Despite these inconveniences , the Elegance lives up to its name in every respect. Although not exhaustively tested yet, the Elegance has displayed a remarkable sense of strategic knowledge in its test games against computer and human competition. Tactically, Elegance is usually a bit more accurate than the Super Constellation in the long run, but more predictable by playing less risky. A realistic comparison is made difficult by the overuse of sacrificial themes by Super Constellation which tends to cause distortions, even in positions where any sacrificing is unsound. Elegance will not sacrifice without a sound basis for doing so, leading to a slightly more mundane game than the Super Constellation, but its overall sounder style will frustrate anyone who takes it lightly.

Some of the features on the Elegance make it easier for tournament players to analyze games or variations than it would to perform these tasks on other computers. For example, the book practice mode allows unlimited study of opening systems without having to restart the game. Although I do object to the high priority given to the ridiculous opening move 1.b4, which it plays as frequently as it does normal openings such as 1.e4, 1.d4, etc. Not only is 1.b4 rarely played by humans, it is also considered weaker than more conventional openings. To show alternate moves in any position, Elegance will show a predicted variation for up to four full moves. The only serious drawback here is that the built-in opening book is much too small for experienced players. Possibly, Fidelity is giving people an incentive to buy one of their opening book modules.

Even without an extensive array of openings, Elegance is a most enjoyable machine on any level--from speed chess to postal chess. This is one great chess computer with which you can not go wrong.

ELITE A/S-C (4.0)

This is Fidelity's "absolute best" chess computer for 1984--combining the ultimate program, ultimate speed, ultimate features, and ultimate styling all in one package. It also carries the ultimate price, although reasonable when compared to last year's Prestige-B. Still, at hundreds of dollars more than the Super Constellation and Elegance, the Elite A/S-C is not exactly the most cost efficient computer you can buy skillwise. Yet I definitely think it is worth paying for if second best just is not good enough. The EAS-C contains the same upgraded program as the Elegance with only three minor exceptions. The first is the clock speed. The Elegance runs at 3.6 MHz, while the EAC-C runs at an even 4.0 MHz. The second is a 4K difference in the amount of ROM (EAS-C has 28K, and the Elegance has 24K), and the third is the size of the built-in opening book (EAS-C posessing 6K, and Elegance with only 3K). Even with the advantage of all three, the EAS-C is only 15 to 30 points better than the Elegance.

The only other difference between the two is the obvious physical ones. For those of you who own an Elite A/S-A or "B" version, you know what I mean. Unmatched for ease of inputting moves and playing speed chess, with a large easy to read board crammed with all kinds of options and features, the EAS-C is the ideal chess computer for the state-of-the-art enthusiast.

CONSTELLATION 3.6 MHz

A terrific computer for those seeking strong active play without spending a lot of money for unnecessary features or an oversophisticated program. The 3.6 has the identical program as the original Constellation, only it calculates 80% faster. It is not the version quoted in the 1984 Computer Chess Digest as a 3.75 MHz. Constellation with a slightly improved program. That one was just a prototype which was further developed and refined into the Super Constellation.

Constellation 3.6 comes with a full compliment of features, and unfortunately, the same program glitches(though there are very few, and occur infrequently, if ever in regular play) as the first Constellation--which was thoroughly discussed in the 1984 Digest.

SC-12 / SC-12-C

Another powerful computer brought out by Fidelity, but like Novag's Constellation 3.6 MHz, there is nothing new about its program. The SC-12 (allias SC-12B) contains the 1983 World Championship Budapest program running at 3.0 MHz, in a very handsome housing, and at a price comparable to the Constellation 3.6. The tournament level strength of the SC-12 is also in the same range of the 3.6, but it is definite grade below the 3.6 at speed (5 minute) chess. Still, with a number of useful features, and a solid and reliable time-tested program, are key items the average player and above will appreciate.

Just recently, Fidelity upped the clock speed of the SC-12 to 3.6 MHz, and made it available only through one or two major outlets. Known as the SX-12C or "Special Edition", there is no doubt that this unit will have the edge over the Constellation 3.6. No other changes were made, and the price is only marginally higher.

MEPHISTO III-A

This is not the same computer that tied for first at Glascow. That was Mephisto X, and it ran on a 16 bit 68000 processor with a 12 MHz speed. Such a unit would cost about $1,500, and still be no stronger than the Elite A/S-C, Super Constellation, or Elegance. Instead, Mephisto III-A is little more than a corrected version of Mephisto III, which was the first chess computer that was rated lower than its predecessor, Mephisto II. Naturally, sales in the U.S. have been virtually non-existant without a winning computer, so a lot of effort has been spent to develop an upgrade that will be a commercial sucess. This we might see sometime next year.

HANIMEX HCG 1900

Developed by Newcrest Technology Ltd., the 1900 is a fine chess computer for a novice to intermediate player who wants a stylish machine with numerous features including an auto-response board and 12 levels of skill. It should afford those rated under 1800 with solid, tactical moves that usually lead to interesting and exciting games.

The program of the HCG 1900 is actually the Cyrus II program that won the Second European Microcomputer Chess Championship in England. Hanimex claims that "it has since undergone major modifications which have greatly enhanced its ability." If this is really true, then that must have been the weakest computer chess tournament in history. The HCG 1900 (quite a name considering that it plays no better than 1750) that I tested did not appear to have such an improved program, but then the tournament version might have been a prototype.

The HCG 1900 is a well constructed unit with a defective rate as low as that of any manufacturer, and comes with the longest warrenty of any chess computer currently in production--six months.

CONCORD

This is SciSys best intermediate level (1650+) chess computer. It has a slightly improved program over the older Companion II or Explorer, and running 65% faster for a 100 point improvement in performance.

The Concord is only 3/4" thick with a standard 8X8" board. It operates longer on batteries than any other table top model, useing just four AA bateries, which should last for at least 100 hours of continuous operation. A memory feature which can remember the position and level for up to a year makes portable use even more attractive. Finally, the metal chess pieces that come with the set have a slight problem--it is difficult to distinguish between white and black. Since a can of spray paint is not included, you might want to use another set of pieces.

CONCHESS (UPGRADE)

Much is expected from this program that should be on the market by early spring. This will easily be the strongest Conchess program, and probably rank among the top few chess computers in 1985. By sharing first place in the 1984 World Microcomputer Chess Championship, Conchess (called Princhess X because the new upgrade was only an experimental prototype, and not commercially available) showed itself to be a match for any micro by losing only one game in seven rounds. This result, and several other games from independent testing, give Conchess a high potential for next year.

Three versions of Conchess will be produced: a 2 MHz EPROM, a 2 MHz ROM add-on cartridge, and a 4 MHz EPROM. A 6 MHz version is in development, but probably will not be marketed until late 1985 or early 1986. From early tests conducted in Europe by Conchess, both the 2 and 4 MHz versions are doing very well.

Conchess (4MHz)	3 1/2	vs.	2 1/2	Super Constellation
Conchess (4MHz)	6	vs.	1	Prestige-A
Conchess (4MHz)	1 1/2	vs.	1/2	SC-12
Conchess (4MHz)	5	vs.	2	Elite A/S-B
Conchess (2MHz)	7 1/2	vs.	1/2	Constellation
Conchess (4MHz)	2 1/2	vs.	2 1/2	Constellation 3.6
Conchess (2MHz)	8	vs.	2	SC-9-B
Conchess (2MHz)	9	vs.	1	SciSys Mark VI

Of course, even if these are unbiased tournament games, many more results are needed before there is universal agreement on its authenticity.

Although I have only the 2 MHz version for testing, Conchess has demonstrated an impressive ability to play speed chess. This correlates somewhat to its amazingly fast record of solving chess problems.

The vast improvements in Conchess stem from the work by Swedish programmer Ulf Rathsman. The new program will mark the first substantial upgrade in history for an existing computer. Unfortunately, there are few people who already own a Conchess computer with which to upgrade, but those lucky few have a lot more to look foward to than just another opening book module.

TURBOSTAR 432

In keeping with the spirit of '84, SciSys has recently announced that their newest and most sophisticated chess computer will be released soon (expected in early 1985). It will be named the Turbostar 432, with the number referring to its speed--4 MHz, and the program size--32K.

Completely revised from the Superstar, and with a new program of unknown strength, the Turbo, according to SciSys will be one of the strongest--if not THE strongest chess computer for sale. This has yet to be seen, but who can argue with the only chess computer manufacturer whose every chess computer, good or bad, is endorsed by the FIDE and Gary Kasparov?

With a classy name like Turbostar (which sounds more like a sports car than a chess computer), SciSys has thrown their hat into the ring with their most advanced machine.

Since no prototype was available, I did not receive a unit for testing until a short time ago, when I received an early production model. Given this short lead time, testing the Turbostar was not possible. However, SciSys provided me with their own testing results on the Turbostar with an unofficial tournament.

This "tournament" involved three individual matches between the Turbostar and the Super Constellation, the Constellation 3.6, and the Super "9". All the games were played under the tournament conditions of 40 moves in 2 hours. Naturally, being in a position where there is a conflict of interest, SciSys would hardly be called a neutral arbiter. With this in mind here are their findings:

Turbostar 432 vs.

	Wins	Draws	Loses	Superiority
Super Constellation	9	4	4	65:35
Constellation 3.6	7	0	2	78:22
Super "9"	10	0	1	91:09

Since none of these games have been verified by independent sources, there is no way of knowing how accurate they are.

The Turbostar was programmed by International Chess Master Julio Kaplan and the "R&D team at SciSys", who worked relentlesly full time for over a year (and not a moment wasted!) developing this extraodinary upgrade of the Superstar. Specific improvements mentioned were: a new and expanded opening library of 5,000-15,000 moves with some lines going over 40 ply; a deeper, wider more intelligent quiescence search than any other computer; and an awareness of longer term objectives such as the theory behind hypermodern styles, and the value of certain pawn chains.

Obviously, much more time is needed to analyze and test this new computer, but hopefully by early 1985 we will know whether the Turbostar is a contender or pretender.

CHESS 2001

Another chess computer developed by Newcrest Technology Ltd. is one that closely resembles the Hanimex HCG 1900. In fact, the two models are so similar, that I could not find any differences between them at all--except the colors of their boards. Even the manuals of the two machines are identical word for word, with only the names being different. Why then will this "new" computer be marketed when we already have it under a different name? I do not know the answer to that, but perhaps Newcrest just wants to market directly to the retailers rather than through Hanimex.

Chess 2001 should be available by next spring, and it will be interesting to see if any changes will be made in its program to distinguish it from its identical twin, the HCG 1900.

ENTERPRISE "S"

This is the third model chess computer manufactured by Newcrest Technology, and the second planned on being marketed directly. Unlike Chess 2001 which is aimed primarily at upper-intermediate to low-advanced players, the Enterprise "S" is meant for the novice to intermediate player who wants a large sensory playing surface with several features that helps facilitate learning, and offers up to 16 levels from which to choose. Like the 2001, Enterprise should debut next year.

PITY THE POOR CHESS COMPUTER BUYER - 1985 VERSION
by Steven A. Schwartz

So here we are at the end of 1984, and despite the fact that Big Brother is looking over all our shoulders, the bad guys are still trying to swindle their way into our pockets. The transgressions seem not to happen quite so often, but that is more a function of the shake-out in the industry and the resultant relative lack of opportunity to screw the customer.

Let us begin with the famous updateability argument that continues to plague us despite the fact that publications such as this have forewarned you. Manufacturers still insist on advertising their units as "upgradeable" or "never obsolete" or "modular". However, the record of 1984 has been no better than the record of 1983, 1982, 1981, 1980, 1979.... will we EVER learn!

Applied Concepts still has not offered anything since Steinitz; Mephisto has tried a III module and a III-A, only to find that they are not substantially better than their II module. AVE Microsystems has finally offered its long suffering customers an update, but unfortunately the upgrade is non-competitive on today's market. Possibly the award for the most ironic situation of all should go to Conchess for introducing chess computers that were "infinitely upgradeable and never outdated" and then filing for bankruptcy. What good is a machine that is totally modular if the company that makes it cannot survive to make it!? SciSys Mark V, if you recall, received an upgrade that was REALLY a downgrade, and now we are lead to understand that the Mark V is being discontinued in favor of the "updateable" Superstar. Novag introduced Constellation 2.0 making claims of modularity, and "supported" it by bringing out another machine and apparently disgarding all plans to improve upon the 2.0. Ironically enough, the 3.6 attempted to fight against the "tide of upgradeability" by erasing all mention of modularity from its brochures and advertising, and, believe it or not, we have heard rumor that a module is now in the works for that unit. Superconstellation by Novag does not pretend to be updateable, but the manufacturer still insists on designing in their famous "Rom Door" on the back of each computer. The original purpose of this door, first found on Novag's long-ago discontinued Super Sensor IV, was for the consumer to be able to update his computer's playing strength. Evidence so far seems to indicate that you might as well nail those doors shut!

Fidelity Computer Products makes all of their units "modular", and, indeed, each and every machine they produce has modules available right now. Unfortunately, except for their terrible low end units (Mini-Sensory and Sensory "6"), the modules only expand upon opening book instead of improving upon the areas that are most often never upgraded: the endgame and middle game. Of course, those of you who have purchased Elite A/S, Prestige, Elite, Champion, etc. are aware of Fidelity's other upgrading policy which includes your having to ship your unit to the factory to do what simple modules OUGHT to do. Several documented customer horror stories on the condition of their returned updated machine would send shivers up and down your spine. Those stories shall not be reported here.

Another indication of continued "bad boyism" is the lingering desire of the manufacturers to pretend that they are really retailers. I am speaking of the bi-annual "special offer" which some manufacturers feel is necessary. This offer has three purposes. One, it enables the manufacturer to disguise otherwise unsaleable items and unload them quickly. Two, it permits the manufacturer to make both wholesale AND retail profit. Three, it stabs the loyal retailers in the back; these are the retailers that have supported the product and the customer all year long only to find their supplier competing against them. Legally, there may only be some minor problems with this sort of behavior, but morally it is downright despicable. So, what were the offers this year, you ask...

On the heels of their "glorious" Septennial offer (mentioned in my diatribe in the 1984 Digest), Fidelity, still needing to unload old Champion bodies with outdated Prestige chips, offered the U.S. Chess Federation an opportunity to have an exclusive on a unit called the Special Edition: just think, for just under $300 one could purchase the above merchandise with a dot matrix chess printer. The printer was a great idea; the computer

was not competitive. So the Federation, apparently, not having tested the unit, took out full-color back page ads in their magazine to lay this outdated unit on their members. The copy read, "By arrangement with the manufacturer, Fidelity Computer Products, Inc., a "Special Edition" chess computer has been made available ONLY through the U.S.C.F. for its members and the readers of Chess Life. Manufacturer's estimated playing strength - 1800 to 1850." Why is it that the Federation, which is responsible for ratings in the entire United States, has to rely upon the word of the manufacturer for ratings when so many abuses have been documented in that area? And one might conjecture that such an "exclusive agreement" is more a function of other reputable retailers not wanting to associate themselves with such a product?

Fidelity, being the largest computer chess company, must have felt that only one transgression was not suiting their high status, and, as a result, many of us were "lucky enough" to receive "Son of Special Edition" offer. In fact, there was a considerable amount of laughter here when I.C.D. received two special offers in the mail, and considerably more hilarity when a customer on the West Coast reported receiving SEVEN identical special offers on seven consecutive days. He had purchased a variety of Fidelity computers through the years and, apparently, Fidelity's computer is not capable of sorting out repeat customers.

Nevertheless, getting back to our "Son of Special Edition" offer. This time we were all confronted with, as Fidelity stated,"an opportunity to play a World Champion Chess Player." I could not wait to meet Anatoly Karpov, but, unfortunately, they were referring to a chess computer. The unit being offered was essentially a Sensory 12 running 17% faster (not 20% as stated). The price listed was $250 (list price)- overpriced when considering the regular "12" is discounted at retail to as low as $200. However, that is not the real point here. The bone of contention is that the mailing was "for Chess Challenger users only." Meaning, of course, that the retailer who made the original sale was simply a conduit through which Fidelity could make future sales. Therefore, the manufacturer could now make globs of profit, not have to support the sale, take three weeks to deliver, and get away with making unilateral claims about the glory of its own product. Fortunately, legitimacy prevailed when I.C.D. stressed its desire to carry a 3.6 Mhz "C" version of the "12" ,and Fidelity deferred and made an exception to their own questionable policy.

And do not say I did not warn you if more offers such as these should come your way. For instance, Fidelity's Quiet Printer is nothing but their old thermal printer which, in our estimation, did only one thing correctly and that was be quiet; every other function was highly questionable. For your own benefit, stick with the matrix version- it is less expensive, and more importantly IT WORKS ! Heaven knows what is next, but be safe in the assumption that it will not be what it is cracked up to be.

Applied Concepts, not having produced any new product in about two years, made their mark by offering, direct to the public, a "Three for $100" offer designed to clear out modules that could not be sold through the regular retail system. Since the product was generally reduced to 30% of its original cost, the price cannot be considered too high, but the public might have been better informed. The point is that the same $100 might have been a nice down payment on an up-to-date chess computer, as opposed to Morphy, Gruenfeld, and Capablanca which were competitive three years ago, but no longer today.

AVE Microsystems chose to market their 4.0 module directly to the public, thus avoiding any opportunity for reliable testing and accurate unbiased rating. As a consumer, I would prefer to spend a little more by buying through a retailer that will protect my interests and be confident that I am not being taken.

Just in case you have been following the history of computer chess as written by me, you will note some serious skepticism when it comes to chess computer reliability. If you twist my arm, I might admit to things getting better. No longer are we seeing 40% and 50% returns on new units with averages hovering around 15%. In fact, our testing of new units indicates under 8%. Good, but not perfect. Perhaps, the most favorable sign of all is the manufacturer's improved desire to get it right the first time. In recent testing of Elegance prototypes, I.C.D. came across a problem, and upon reporting it to Fidelity, we

were absolutely delighted with their intense dedication to making sure that it was solved before the production run. In fact, production apparently was held up, and the bug seems to have been eliminated.

Deminished cases of exaggerated ratings have been reported in 1984, but since fewer units have been introduced onto the market, the percentage of abuse is no better than in the past. My recent Sharper Image mail-order catalog introduced SciSys Superstar with the dubious claim that it has, "an unoffical U.S.C.F. rating of 2000 !" How odd ! First of all, Superstar is good and maybe 1800 but not 2000. Secondly, what the hell does the claim really mean? Did it play one rated game and beat a 1600 player to reach the fictional figure?

Novag, interestingly enough, makes no strength claim on its Superconstellation brochure, because after claiming 2000 for its 3.6 computer, they couldn't get away with more exaggeration even if they tried!

The Chess Federation recently had a glowing two page editorial on the Superconstellation (in the same issue in which they began offering it to members for sale-coincidence?), but made no comment on what appears to be the equally as strong Elegance by Fidelity.

Fidelity entered an Elegance unit in the 1984 World Microcomputer Chess Tournament and it did extremely well. In fact, had it not crashed in one or two games, it might have won. What is not, and more than likely would not, be stated is that there were several other companies at the tournament which claimed that the Fidelity entrant was running over 6Mhz and therefore not a unit available to the public.

One can be sure that as long as financial considerations are involved, statements made by various interests must be analyzed with a fine-tooth comb, a magnifying glass, a pair of tweezers, and a neutron microscope.

The most interesting story of the year has been left for last. You may have noted some discrepancy in the list price of Novag's Superconstellation. At first the unit was listed at $600 and is now at $400. The reasons are fascinating, and are reported here in writing for the first time. At the sake of embarrassing one of the parties involved in this fiasco, I will avoid mention of the West Coast company that will hereafter be described by the term "the importer".

Back in late 1983, Gavon, the exclusive U.S. distributor for Novag product, threw in the towel, and the manufacturer was left without a U.S. distributor. Novag's president, Peter Auge, attended the trade show for the industry (the CES Show) in Las Vegas and was pressed to make an agreement within three days before he left to go back to Hong Kong. The importer that was chosen under these conditions was from that point on responsible for bringing units into the country, setting list and wholesale prices, and repairing units in and out of warranty. Of course, the importer also was now officially caught up in the politics of computer chess. Since the importer was also involved in selling computer chess machines at retail, they had the immediate difficulty of convincing past competitors that they would not compete unfairly in the marketing of Novag product.

Many promises were made by the importer to retailers assuring them that they would not use their pricing advantage to compete unfairly. Thus the retailer could, if what the importer promised was correct, purchase at wholesale from the importer and make a fair profit margin without being concerned that the importer would turn around and sell at wholesale prices directly to the public. Well, as you might guess, it did not take very long for the importer to show its avarice. At the very first opportunity, the importer announced a rebate program on Constellation 3.6 direct to the public; in effect charging the customer not much more than it was charging the retailers that it claimed were so important to its success. The reasoning given for breaking the promise was that its intent was to get as many units throughout the country so as to spread the word. Of course, they never considered offering the incentives to the retailers so that the purchase price would be lower, the distribution greater, and the service better.

Then came the service. Two week promised turnaround on defective product generally averaged between five and seven weeks.

The proverbial straw that broke the importer's back was the preparation leading up to

the introduction of Superconstallation. Here was a unit with exceptional potential: a chess computer that had a chance to legitimately call itself one of the best on the market, and maybe with a little luck could claim close to a 2000 rating. The importer had a glorious idea. Why not take a cue from the marketing of the Prestige. If it's the best, make sure the customer pays top dollar. Therefore, a list price of $600 was set, with a wholesale price of $391, and those of you who have been and are considering purchasing that unit would be paying between $450 and $600 depending upon the company with whom you placed your order.

Having sister companies in Canada, France, England, and Germany, I.C.D. was well aware of pricing on Superconstellations elsewhere (generally listing at about $400), and the importer was questioned many times as to the rationale of the pricing. At first, the implied excuse was that the importer was paying more for the units than distributors in the other countries. Then, when that reasoning was found to be lacking, they indicated that the higher pricing was intended to allow the retailers a larger margin. It was evident that the higher pricing would ONLY result in a larger margin for the importer. As negotiations continued, the importer was given the impression that the incredible differences between U.S. prices and foreign prices would create a grey market- in which large companies could import from other countries and offer significantly lower prices to the public; thus, effectively, undermining the ability of the importer to make an inordinate amount of profit.

As the threat of losing a considerable amount of wholesale business loomed above the importer's head, the quoted prices started to fall somewhat, but not nearly enough, and when Novag in Hong Kong finally got wind of the fact that its unit was being priced out of the market against the equally strong Elegance and somewhat stronger, and soon to be released, Elite A/S - "C" Version, they acted in their own self interest to export the units directly at factory direct pricing which allowed for the list pricing to come down to a more respectable and very competitive $400. However, one major obstacle existed, and unfortunately in Novag's rush to supply the American market for Christmas, they made no provisions for service centers. Instead, since by law a warranty card must be included with each unit, Novag took it upon itself to type in the name of the company to whom it was shipping as the warranty repair center.

Fortunately, some companies applied for and received permission to run an authorized service center because they were already in the repair field, and they ordered all necessary parts and schematics to handle any and all problems both in and out of warranty. Other companies importing units directly did not anticipate the possible repair fiasco and either had to set up service facilities on the spur of the moment (fly-by-night repair) or be forced to request that the customer deal with Hong Kong for service. Still other sellers of Novag product will exchange units in warranty and, without much fanfare or forewarning have the unsuspecting customer deal with Hong Kong out of warranty. As a result, there is a most unusual policy existing on Novag product only. What it all comes down to is if you buy a Novag computer, THAT is where your servive is going to come from or nowhere at all.

So, despite the fact that this industry might look boring from the standpoint of the consumer, it is just a barrel of laughs from this end (I hope you have learned by now when I become terminally sarcastic). The politics of the computer chess industry rival the politics of a Presidential election, and to follow the analogy still further, the winner is usually the contestant who is able to project the best image. More often than not, substance is not nearly as crucial as appearance. For your own benefit, when it comes to computer chess, do not lay out your hard earned money until you have researched... delved... questioned... inquired... investigated... pried... analyzed... explored... ratiocinated... induced... syllogized... analogized... reasoned... and pondered, and with a little luck (negating the implications of Murphy's Law), you will very likely make the correct choice.

THE CANADIAN COMPUTER CHESS INVITATIONAL CHAMPIONSHIP (CCCIC) 1984

During a pleasant visit to the University of Alberta in Edmonton in May it was mentioned to me by my kind hosts Tony Marsland and Jonathan Schaeffer that I might be able to return the favor by arranging matches at McGill University between the academic programs AWIT (Marsland), PHOENIX (Schaeffer), and OSTRICH (Monroe Newborn). Newborn is President of the ICCA and has just completed an eight year stint as director of the School of Computer Science, McGill University).

It is always nice when the germ of an idea grows and develops into a full-fledged reality. That is precisely what happened as the idea evolved into the concept of a six program, round-robin event with three academic and three commercial participants. The event was scheduled for July 27-29 and all arrangements had to be completed in less than two months. The three commercial invitees were FIDELITY EXPERIMENTAL (FIDELITY-X), NOVAG EXPERIMENTAL (NOVAG-X), and INTELLIGENT CHESS EXPERIMENTAL (INTELLIGENT CHESS-X). The latter is a product of Intelligent Software, a company co-owned by David Levy and Kevin O'Connell in London, England.

The tournament was convincingly won by FIDELITY-X with a score of 5-0, using a prototype of the ELEGANCE, a product which will be available as from September, 1984, housed in a

PRESTIGE board with a 6502 microprocessor. The presence of Mr. Sidney Samole, President of Fidelity Electronics and his brother Mr. Stanley Samole, President of Fidelity Canada to operate their entry did much to enhance the prestige and spirit of the CCCIC.

The tournament resulted in a rather unique "perfect crosstable" in the sense that there were no draws and no two programs finished with the same score. The second place finish of PHOENIX was well-earned, as it only lost to FIDELITY-X in the second round. Schaeffer's program has been steadily improving and now has a CFC rating over 1900. NOVAG-X finished third with a 3-2 score, but was a bit unlucky not to finish higher. The play of this prototype of the Super Constellation (programmed by David Kittenger and also due to be available in September, 1984) demonstrated great promise. The result of AWIT (2nd place finisher in last year's World Computer Chess Championship), 2-3, must have been disappointing for Tony Marsland, although he attributes some its errors to bugs recently introduced during experimental work. OSTRICH's biggest problem was its eagerness to give up bishops for knights. This cost it dearly in each of its three games with Black. Although INTELLIGENT CHESS-X (running on an IBM PC) did not score any points, it stood better or well in the Openings of every one of its games. I have no doubt that an improvement in its search depth of search will bring much better results.

The event was possible only because of the help and

sponsorship of Mr. Jean Leduc, owner of CERVO-2000, the only store in Canada fully devoted to the sale of chess computers, Mr. Stanley Samole, President of Fidelity Canada, Mr. David Kittenger, programmer for NOVAG, and most importantly Monty Newborn and The School of Computer Science, McGill University for providing the venue and skilled technical staff of Charles Snow and Mathew Odinotski. I would also like to whole-heartedly thank Ms. Sylvia Antos, Mr. Daniel Lavallee, Mr. George Levtchouk, and Mr. Jacques Masse who all gave much of their time and energy as assistants and operators.

The third round showdown between FIDELITY-X and NOVAG-X was certainly the most exciting game of the tournament. Both programs has 2-0 scores at this point and by chance the random round-robin pairings served just as well as Swiss System pairings for this round. The NOVAG - FIDELITY game had everything you could ask for from a game of chess. There were interesting ideas in a theoretical Opening, there was tension, sweat, complexity and uncertainty throughout, but most importantly there was sportsmanlike behavior. I hope that the comments below will help to bring all the above aspects of the game back to life.

White: NOVAG-X   Black: FIDELITY-X   Queen's Gambit Accepted

1.d4 d5 2.c4 dxc4 3.Nf3 Nf6   4.e3 e6 5.Bxc4 c5 6.0-0 a6
7.Qe2

b5   8.Bb3 Bb7   9.Rd1 Nbd7   10.Nc3 Qb8

   Up to here and White's next move the play is in both
program's books. In fact the game SCHACH 2.7 - FIDELITY-X,
(WCCC, New York, 1983) reached this position when White
played 11.d5 and the game continued: 11. ...exd5 12.Nxd5 c4
13.Nxf6+ Nxf6   14.Bc2 Bc5 when Black is not worse -- see
Computer Chess Digest Annual 1984, p68-69 for a full
annotation of that game.
   Around 1930 in the heyday of Alekhine this opening was
a very popular choice for Black. It is solid and reliable
if Black plays carefully.

11.a3 Bd6   12.h3 0-0   13.Bc2 b4!?

   A double-edged move whereby Black truly tries to
wrestle the initiative by depriving the WN of its control of
d5 and e4 at the expense of relinquishing the a4 and c4
squares to White and giving him a half-open a-file. I would
prefer ...Re8 or ...Rd8.

14.axb4 cxb4   15.Nb1

   The best square in order to redevelop from d2 to c4 or
support the advance e4.

15...Bxf3 ?!

   A surprising move in that it trades off Black's best
piece. Still recommended is ...e5 or ...Re8.

16.Qxf3 Rc8   17.Bd3 a5

   At this point NOVAG-X tried to play 17...e5 and it was
discovered that up to this move in the game it did not think
that there was a BR on a8.   This move probably did not
affect any of its moves to here and thus they were
"replayed" to this position but with a BR on a8.   In the
meantime Sidney Samole adjusted FIDELITY-X's internal time
clock to accountfor this time out. This played an important
role later in the game.

18.Nd2 a4   19.Nc4 e5!?

   I would have preferred ...Bc7 preserving the bishop and
preparing...e5. The text is very provocative.

20.Nxd6 Qxd6   21.dxe5 Qxe5   22.Bd2 Rab8

   An unusual position in that Black is still better
despite having given up his bishops cheaply. If 23.Rxa4
then Nc5 24.Ra5 Qxb2 is very good for Black.

23.e4 Qxb2   24.Bf4 Ra8

   Black could now transpose into a comfortably winning
endgame with 24. ...Ne5, e.g. 25.Bxe5 Qxe5 26.Rxa4 b3 etc.

25.Qe3 Nc5 26.Rab1 Qa3 27.Be5

A critical position with the BQ displaced offside. White's bishops offer good attacking chances in any case, but Black's best defense is probably 27. ...Nfd7.

27. ...Nxd3 28.Rxd3 b3 ?

Here the regroupment of the BQ, even at the expense of a good connected passed pawn is absolutely essential, i.e. 28. ...Qa2 29.Rxb4 Qe6 etc.

29.Bxf6 Qa2 30.Rbd1

Suddenly White has a win but misses it. After 30.Qg5 White soon forces mate.

30. ... Qa3

The only defense. If 30. ...gxf6 31.Qh6 wins.

31.Qg5 Qf8 32.Qh6

Fancy but not effective. Better and more consistent was 32.Rg3 g6 33.Bd4 when White should win.

32...Rc6 33.Rg3 g6 34.Qxf8+

Now White should definitely not exchange queens (34.Qf4) as his chances of mating Black are greatly diminished.

34. ...Rxf8 35.Bg5 Re8 36.Re3 b2 37.Red3 Rb6 38.Rb1 Rxe4

39.Rd8+ Kg7 40.Be3

Neither side has played best for the past few moves. Now however FIDELITY-X, which had 10 minutes for its last three moves to time control, has 3 1/2 minutes left on its real clock to make its 40th move. This tight time situation was probably as a result of an error in the internal schedule which Mr. Samole had reset earlier when NOVAG-X discovered that it had no Black rook on a8.
    The suffering and expressions of the two Samole brothers before FIDELITY-X finally made its 40th move with just 30 seconds left was no less than that of a chess player in a tough game. This scenario and the position where NOVAG-X missed a forced mate was worth paying to see.

40... Rb3 41.Bd4+ f6 42.f3 Re2 43.Rd5 Rc2 44.Kh2 a3
45.Ra5 Rc1 46.Rxa3 Rxa3 47.Rxb2 Rc6 48.Kg3 Ra4 49.Be3 h5

A worthwhile space-gaining pawn advance, however Black's subsequent locking of the K-side pawns is an erroneous concept.

50.Rd2 Rac4 51.Rd8 h4+ 52.Kf2 Rc2+ 53.Bd2 Kf7 54.Ke3 Ra2

Better was 54. ...Rb2 followed by 55. ...Ke7 and 56.
...Rd6 when Black wins quickly.

55.Kd3 Rcc2   56.Ke3 Ke6   57.Rd4 g5

57. ...Ra6 and ...Rd6 still wins quickly by forcing the
exchange of rooks.

58.Rd3 f5   59.Rd4 Ke5   60.Rd3 f4+

Now by the rules of the tournament the game could have
been adjudicated (a win for Black) however Fidelity
sportingly agreed to play on to the next control at move 80
to try to demonstrate the win.

61.Ke2 Ke6   62.Rd8 Rab2   63.Kd1 Ke5   64.Rd3 Kf5   65.Bc3 Ra2

Here 65. ...Rxc3 and 66. ...Rxg2 wins easily.

66.Bd2 Ke6   67.Rd8 Rcb2 68.Ke1 Ra1+   69.Ke2 Ra6   70.Kd1 Rc6
71.Re8+ Kf6   72.Rd8 Rcc2   73.Rd6+ Ke7   74.Rd5   Ke6   75.Rd8
Ra2 76.Ke2 Kf5   77.Kd1 Kf6   78.Rd7 Ke6   79.Rd8 Rcb2   80.Ke1
Ke7

Although FIDELITY-X has not demonstrated any progress
during the last 20 moves, the game was now adjudicated as a
win for Black. The winning plan after 81.Rd5 starts with
...Ra6 followed by ...Rd6 and Black can make steady inroads
while offering the trade of rooks. White eventually runs
into zugzwang.

Ironically, NOVAG-X as Black is able to find the plan
(81...Ra6) but goes astray later.

On June 9th, 1984 our Super Constellation played a game
versus Diane Savereide (5 time US Women's Champion).

Here are the results :

Rate of play :   30 moves in 90 minutes

White   :   Diane Savereide   (2240)
Black   :   Super Constellation   (Level 7)
Opening :   Sicilian Defense - Sozin-Najdorf

1.	e4	c5		23	Rxg5	Nf4
2.	Nf3	d6 .		24.	Rf1	Nxg2 !
3.	d4	cxd4				
4.	Nxd4	Nf6				
5.	Nc3	a6				
6.	Bc4	e6				
7.	Bb3	b5				
8.	0-0	Be7		25.	Rxg2	Rd2
9.	f4	Bb7		26.	Rfg1	Rfd8
10.	e5	dxe5		27.	Bd5	
11.	fxe5	Bc5 !				
12.	Be3	Nfd7				
13.	Qh5	0-0				
14.	Rf4	Nc6 !				
15.	Rh4	h6				
16.	Kh1					

An excellent combination that
forces the win as White's pieces
are passively placed.

27.   .... R8xd5

A neat combination to finish
off a beautiful game by the
Super Constellation.   The
endgame after 28.Nxd5 Bxd5
is hopeless.
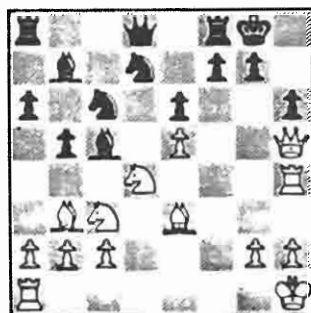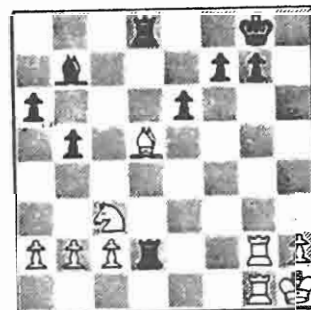
16..........Bxd4
White's attack appears very strong
but Constellation exposes the weak
link by accurate defense.

17.	Bxd4	Qg5
18.	Qxg5	hxg5
19.	Rg4	Nxd4
20.	Rxd4	Nxe5
21.	Re1	Ng6
22.	Rg4	Rad8

28.	Rxg7 +	Kf8
29.	Rg8 +	Ke7
30.	R1g3	Re5 +
		and mates

0	1

Black obtains the control of the open
d-file and uses it to good effect

Alabama State Championships

This 7 round Swiss tournament featured several computers, with Novag's Super Constellation entered as the strongest micro. The time control of the tournament was 50/2, or an average of 2.4 minutes per move. The Super Constellation was set at level (40/90, or 2.25 minutes per move), and finished with a score of 3 wins, 2 losses, and 2 draws. Games courtesy of Max D. Harrell Jr.

Round 1		Round 2		Round 3		Round 4	
W: S. Constellation		W: Cray Blitz (2150)		W: T. Denton (2074)		W: S. Constellation	
B: D. Therrell (2234)		B: S. Constellation		B: S. Constellation		B: A. Fix (1681)	
1. E2-E4	C7-C5	1. E2-E4	E7-E5	1. E2-E4	E7-E5	1. C2-C4	F7-F5
2. G1-F3	D7-D6	2. G1-F3	B8-C6	2. G1-F3	B8-C6	2. D2-D4	G8-F6
3. D2-D4	C5xD4	3. C2-C3	G8-F6	3. F1-C4	G8-F6	3. G2-G3	E7-E6
4. F3xD4	G8-F6	4. D2-D4	F6xE4	4. F3-G5	D7-D5	4. F1-G2	C7-C6
5. B1-C3	G7-G6	5. D4-D5	C6-E7	5. E4xD5	C6-A5	5. G1-F3	F8-E7
6. F2-F4	B8-C6	6. F3xE5	E7-G6	6. D2-D3	A5xC4	6. E1-G1	E8-G8
7. D4xC6	B7xC6	7. E5xG6	H7xG6	7. D3xC4	F8-D6	7. B1-C3	A7-A5
8. E4-E5	F6-D7	8. D1-D4	H8-H4	8. B1-C3	H7-H6	8. C1-F4	B8-A6
9. E5xD6	E7xD6	9. G2-G3	D8-E7	9. G5-E4	E8-G8	9. F3-E5	D7-D6
10. C1-E3	F8-E7	10. G3xH4	E4-G3+	10. C4-C5	F6xE4	10. E5-F3	D8-E8
11. D1-F3	D6-D5	11. D4-E3	G3xH1	11. C3xE4	D6-E7	11. C3-A4	F6-H5
12. E1-C1	E8-G8	12. F1-G2	H1xF2	12. D5-D6	E7-H4	12. A4-B6	A8-A7
13. F4-F5	D7-E5	13. E1xF2	E7xE3+	13. G2-G3	F7-F5	13. F4-D2	A6-B8
14. F3-F4	E7-D6	14. C1xE3	F8-E7	14. G3xH4	F5xE4	14. B2-B4	A5xB4
15. F5xG6	H7xG6	15. F2-G3	F7-F5	15. C1-E3	C8-E6	15. D2xB4	B8-D7
16. F4-D4	C8-F5	16. B1-A3	E7-D6+	16. D1-D2	C7xD6	16. B6xC8	E8xC8
17. E3-H6	F8-E8	17. E3-F4	D6xA3	17. H1-G1	G8-H7	17. D1-D3	H5-F6
18. F1-E2	A8-B8	18. B2xA3	D7-D6	18. E1-C1	A7-A5	18. D3-E3	F6-E4
19. H1-F1	B8-B4	19. A1-E1+	E8-F8	19. D2-C3	A8-C8	19. F3-D2	E4xD2
20. D4xA7	D8-H4	20. F4-G5	C8-D7	20. H4-H5	B7-B5	20. E3xE6+	G8-H8
21. H6-D2	E8-B8	21. E1-E7	A8-D8	21. G1-G6	D8-E8	21. B4xD2	C8-D8
22. B2-B3	D5-D4	22. E7xG7	F8xG7	22. E3xH6	G7xH6	22. F1-B1	F8-F6
23. D2-E3	D4xC3	23. G5xD8	G7-F8	23. D1xD6	F8xF2	23. E6-E3	D7-F8
24. D1xD6	H4-E4	24. D8xC7	F8-E7	24. C3-E1	E8-F8	24. D4-D5	C6-C5
25. E2-D3	E5xD3+	25. G3-F4	B7-B5	25. G6xE6	F8-F4+	25. D2-C3	F6-F7
26. D6xD3	E4xG2	26. G2-F3	A7-A6	26. C1-B1	H7-G8	26. A2-A3	A7xA3
27. F1-F2	G2-H1+	27. H4-H5	G6xH5	27. E1-G1+	G8-F8	27. C3xG7+	F7xG7
28. D3-D1	H1-E4	28. F3xH5	D7-C8	28. D6-D1	E4-E3	28. A1xA3	
29. E3-F4	B8-E8	29. H2-H4	C8-B7	29. E6-G6	F4-C4	1-0	
30. H2-H4	F5-G4	30. H5-F3	E7-D7	30. D1-C1	C8xC5		
31. F4-D6	F7-F5	31. H4-H5	D7-E8	31. G6xH6	C4-G8		
32. D6xB4	E4xB4	32. H5-H6	E8-F7	32. G1-D1	C5-D5		
33. D1-G1	B4-E4	33. F3-H5+	F7-F8	33. D1-E1	D5-D2		
34. F2-F1	G4-H5	1-0		34. E1xE3	D2-E2		
35. A7-C5	E4-E3+			35. E3-C5+	F8-E8		
36. C5xE3	E8xE3			36. C5-C8+	E8-F7		
37. F1xF5	G8-H7			37. C8-D7+	F7-F8		
38. F5-F6	H5-F3			38. C1-D1	E2-D2		
39. F6xG6	F3-E4			39. D1xD2	F2-F1+		
40. G6-G3	E3-E2			40. D2-D1	F1xD1+		
41. G3xC3	E2-H2			41. D7xD1	F8-E8		
42. G1-G4	E4-D5			42. D1-H1	G8-C4		
43. C3-D3	H2-H1+			43. H1-C6+	C4xC6		
44. C1-D2	H1-A1			44. H6xC6	E8-F7		
45. G4-A4	A1-H1			45. B1-C1	F7-G7		
46. D3-E3	H1-H2+			46. C1-D2			
47. E3-E2	H2-H3			1-0			
48. C2-C4	D5-F7						
49. A4-A7	H3-F3						
1-0 (Time)							

Round 5
W: R. Pruitt (2046)
B: S. Constellation

1.	D2-D4	G8-F6
2.	G1-F3	B7-B6
3.	C2-C4	C8-B7
4.	E2-E3	E7-E6
5.	B1-C3	F8-E7
6.	F1-E2	D7-D5
7.	E1-G1	E8-G8
8.	A2-A3	C7-C5
9.	F1-E1	B8-D7
10.	C4xD5	E6xD5
11.	C1-D2	A8-C8
12.	A1-C1	F6-E4
13.	E2-D3	F8-E8
14.	D1-E2	H7-H6
15.	E1-D1	C5xD4
16.	F3xD4	E7-F6
17.	C3xE4	D5xE4
18.	D3-B5	E8-F8
19.	C1xC8	D8xC8
20.	B5xD7	C8xD7
21.	D2-C3	F8-D8
22.	H2-H3	F6-E5
23.	D1-D2	D7-C8
24.	E2-G4	C8xG4
25.	H3xG4	F7-F6
26.	G1-F1	G8-F7
27.	F1-E1	E5xD4
28.	D2xD4	D8xD4
29.	C3xD4	F7-G6
30.	E1-E2	G6-G5
31.	F2-F3	G5-H4
32.	E2-F2	E4xF3
33.	G2xF3	H4-G5
	1/2 - 1/2	

Round 6
W: S. Constellation
B: Superstar X (UNR)

1.	E2-E4	E7-E5
2.	F2-F4	E5xF4
3.	G1-F3	D7-D5
4.	E4xD5	D8xD5
5.	D2-D4	F8-D6
6.	F1-E2	G8-F6
7.	E1-G1	E8-G8
8.	G1-H1	B8-C6
9.	B1-C3	D5-H5
10.	F3-E5	H5-H4
11.	F1xF4	H4-G5
12.	F4-F1	G5-H4
13.	C1-F4	C8-E6
14.	C3-B5	D6xE5
15.	D4xE5	A8-D8
16.	D1-C1	F6-G4
17.	E2xG4	E6-C4
18.	G4-F3	C4xB5
19.	C2-C4	B5-A6
20.	B2-B3	H7-H6
21.	F3xC6	B7xC6
22.	C1-A3	A6-C8
23.	A3xA7	H4-E7
24.	A1-D1	C8-G4
25.	D1xD8	F8xD8
26.	H2-H3	G4-E2
27.	F1-B1	C6-C5
28.	A7-A5	D8-D7
29.	B1-E1	E2-D3
30.	F4-G3	C7-C6
31.	A5-A8+	D7-D8
32.	A8xC6	E7-G5
33.	E5-E6	F7xE6
34.	G3-C7	D8-F8
35.	C6xE6+	G8-H8
36.	E6-D5	G5xD5
37.	C4xD5	C5-C4
38.	D5-D6	C4xB3
39.	A2xB3	F8-F7
40.	E1-E8+	H8-H7
41.	E8-E7	F7xE7
42.	D6xE7	D3-B5
43.	H1-H2	H7-G8
44.	H2-G3	G8-F7
45.	C7-D6	F7-E8
46.	G3-F4	B5-F1
47.	F4-F3	F1-B5
48.	F3-G4	B5-C6
49.	G2-G3	C6-D7+
50.	G4-H5	D7xH3
51.	H5-G6	H3-E6
52.	B3-B4	H6-H5
53.	B4-B5	E6-C4
54.	B5-B6	C4-D5
55.	G6xG7	D5-E4
56.	G7-H6	E4-F3
57.	H6-G6	F3-C6
58.	G6xH5	E8-D7
59.	D6-C5	D7-E8
60.	H5-G6	C6-D5
61.	G3-G4	D5-C6
62.	G4-G5	C6-D5
63.	G6-F6	D5-E4
64.	G5-G6	E4-D5
65.	G6-G7	E8-D7
66.	B6-B7	D5xB7
67.	E7-E8Q+	D7xE8
68.	G7-G8Q+	E8-D7
69.	G8-E6+	D7-C7
70.	E6-D6+	C7-C8
71.	C5-B6	B7-E4
72.	D6-C7++	
	1-0	

Round 7
W: T. Nard (2057)
B: S. Constellation

1.	E2-E4	C7-C5
2.	G1-F3	D7-D6
3.	D2-D4	C5xD4
4.	F3xD4	G8-F6
5.	B1-C3	A7-A6
6.	F1-E2	E7-E5
7.	D4-B3	F8-E7
8.	C1-E3	E8-G8
9.	E1-G1	B8-C6
10.	G1-H1	C8-D7
11.	F2-F4	A8-C8
12.	F4-F5	A6-A5
13.	A2-A3	A5-A4
14.	B3-D2	C6-B8
15.	D2-C4	D7-C6
16.	C4-B6	F6xE4
17.	B6xC8	D8xC8
18.	C3xE4	C6xE4
19.	E2-D3	E4-C6
20.	D1-H5	E5-E4
21.	F5-F6	E7xF6
22.	F1xF6	G7xF6
23.	D3-E2	F8-E8
24.	E3-D4	C8-E6
25.	A1-F1	B8-D7
26.	F1-F4	E6-D5
27.	H5-H6	D7-E5
28.	D4-E3	E5-G6
29.	F4xF6	D5-E5
30.	F6-F1	E5xB2
31.	E2-H5	E8-F8
32.	H6-G5	B2xA3
33.	H5xG6	H7xG6
34.	E3-D4	A3-B4
35.	G5-F6	B4xD4
36.	F6xD4	D6-D5
37.	D4-F6	E4-E3
38.	F6-D4	F8-E8
39.	D4-F6	E8-F8
40.	F6-D4	F8-E8
41.	D4-F6	E8-F8
42.	F1-E1	
	1/2 - 1/2	

COMPUTERS AND CHESS PROBLEMS

In the 1984 Computer Chess Digest I listed three essential criteria that chess computers must meet in order to correctly solve and verify all orthodox directmate problems (except retros) in the stipulated number of moves. They were:

1. Have a special level or mode dedicated solely to problem compositions;
2. Solve every problem within the stipulated number of moves; and
3. Verify the soundness (correctness) of problems by searching for any possible cooks (secondary and unintended solutions) that lie within the stipulation.

The only computers that fully meet these criteria are the Elite A/S-C, the Elegance, the SC-12, and the SC-12-C. All four utilize the same problem algorithm which was in last year's models, with only minor differences between them.

Objectivly speaking, the Elite A/S-C is the absolute "best" for all around problem solving because of the extra features like the display screen which tells the elapsed time of solving and the depth of the computer's search. Another unique feature which the Elite still has is a mate level where the stipulation can be set on any move from one to 11 (it can be set higher, but the program cannot solve mates beyond eleven moves). The Elegance, the SC-12, and the SC-12-C can only be set for a maximum of mate-in-four on a mate level. Mates of five or more moves have to be set at the infinite level where the machine may or may not correctly find the solution, and would not be able to verify it anyway.

The next best machine for solving chess problems is the Super Constellation. Although it is usually faster than the Elegance and SC-12's, and has a mate mode that extends to a full eight moves, it ranks below them because the Super Constellation can not search for cooks. For the majority of composed problems, this feature is not necessary because most published problems have been checked for cooks. Still, a perfectionist would not settle for anything less.

Even though the Constellation 3.6 has the same "solve mate" feature as the Super, its program is very different. For one thing, a couple of bugs have been discovered in the 3.6's program that cause it to "freeze" up or black out when they are instructed to move. These occurrances are extremely rare, but it would cause the machine not to solve certain positions. The 3.6 is also slower than the Super, a factor which is more noticeable the longer and more complicated the problem becomes.

The new Conchess program might very well have the fastest single problem algorithm of all the computers--including the Super Constellation. In a recent comparison between the three versions of Conchess and the SciSys Mark VI (outdated, but possessing a top-notch problem solving algorithm) involving a complicated mate in 6 problem, Conchess was between 260 and 780 times faster than the Mark VI!! This example was provided by the president of Conchess, Andy Roland.

SciSys Mark VI	306 Hrs.	33 min.	24 sec.
Conchess (6 MHz)		23 min.	45 sec.
Conchess (4 MHz)		35 min.	21 sec.
Conchess (2 MHz)	1 Hr.	10 min.	40 sec.

If either of the two versions that may be made commercially available sometime next year (2 MHz and 4 MHz) could search out cooks, there would be no question about which computer problem enthusiasts would prefer.

All other computers including Mephisto III-A, Conchess X, Hanimex 1900, and the Concord are similar in problem solving ability. None can solve anything beyond five moves, and none can find cooks. These should be considered only for playing regular games at which they are much more effective.

Below are a few chess problems you can try solving with your own chess computer:

1

White mates in 3

2
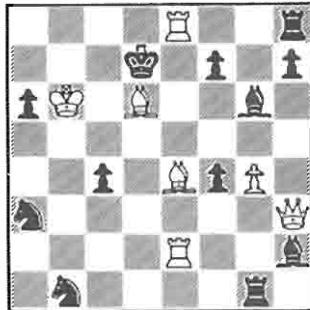
White mates in 3

3

White mates in 3

4

White mates in 3

5

White mates in 4

6

White mates in 4

7
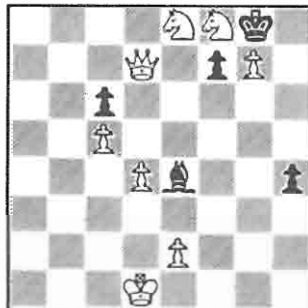
White mates in 4

8

White mates in 4

9
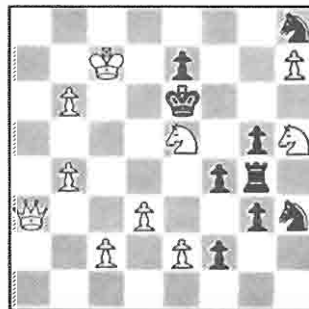
White mates in 4

10

White mates in 5

11
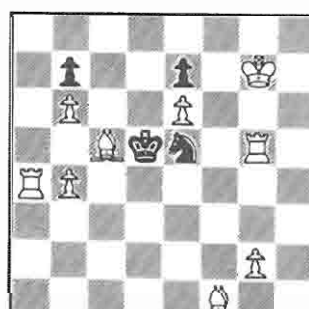
White mates in 5

12

White mates in 5

Solutions

1. 1.Rh1
2. 1.Qh5
3. 1.Rb1
4. 1.Kc7
5. 1.Qb6
6. 1.Qa8
7. 1.Kc1
8. 1.Be3
9. 1.Qa8
10. 1.Nxc4
11. 1.Ra2
12. 1.Bg4

GAMES FALL '84 TOURNAMENT

W: Const. 3.6
B: S.C. 12

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01  E4      D5
02  ED5     ♘F6
03  D4      ♘D5
04  C4      ♘F6
05  ♘F3     E6
06  ♘C3     ♗B4
07  ♗D3     ♘C6
08  ♗E3     ♗C3
09  BC3     0-0
10  0-0     B6
11  ♖C2     ♗B7
12  ♕FE1    H6
13  ♕AB1    ♖D7
14  ♘E5     ♘E5
15  DE5     ♕AD8
16  ♕ED1    ♖C6
17  F3      ♘D7
18  ♗E4     ♖C4
19  ♗B7     ♘E5
20  ♕D2     C5
21  ♕BD1    ♕DB8
22  ♗E4     F5
23  ♗F4     FE4
24  ♗E5     EF3
25  ♗B8     FG2
26  ♕G2     ♕B8
27  ♕D7     ♖F4
28  ♕GG7    ♖F8
29  ♕G8     ♗G8
30  ♖H7     ♗F8
31  ♖H8     . . .
—
        1 - 0
```

W: S.C. 12
B: Const. 3.6

```
01  D4      D5
02  ♘F3     ♘F6
03  ♘C3     E6
04  ♗F4     ♗B4
05  ♖D3     0-0
06  0-0-0   ♗D7
07  E3      ♗C3
08  ♖C3     ♘E4
09  ♖E1     G5
10  ♗G3     ♘C6
11  ♗D3     F5
12  ♖E2     ♘G3
13  HG3     G4
14  ♘E5     ♘E5
15  DE5     ♖G5
16  ♖D2     ♗C6
17  ♖C3     ♕FD8
18  ♗B1     ♕D7
19  ♖C5     ♗G7
20  ♖D4     B6
21  ♗A6     ♕AD8
22  ♗C3     ♗A8
23  ♗B5     C6
24  ♗B3     B5
25  ♗B3     A5
```

```
26  A4      ♕B8
27  AB5     CB5
28  ♗A2     ♕C7
29  ♖A5     ♗E5
30  ♕D4     ♕BC8
31  ♕C1     ♕B8
32  ♕CD1    ♕B7
33  ♖B4     ♕B7
34  ♕H1     ♕A6
35  ♖C3     ♗C7
36  ♖C7     ♕C7
37  ♕H5     ♕CA7
38  ♕G5     ♗F7
39  ♕F4     ♕6A2
40  ♖C1     ♕2A1
41  ♖D2     ♕7A2
42  ♕GG4    ♕B2
43  ♕GH4    ♗G6
44  ♕FB4    ♕AA2
45  ♕B2     ♕B2
46  G4      H6
47  ♖C3     ♕A2
48  GF5     EF5
49  G4      ♗G5
50  ♕H5     ♗G4
51  ♕H6     ♗F3
52  ♕H5     ♗F2
53  ♖D2     F4
54  EF4     ♗F3
55  ♕F5     D4
56  ♕B5     ♗E4
57  F5      ♕C2
58  ♖D1     D3
59  ♕B4     ♗E3
—
        0 - 1
```

W: Const. 3.6
B: S.C. 12

```
01  C4      E6
02  ♘F3     D5
03  D4      ♘F6
04  CD5     ED5
05  ♗BD2    ♘C6
06  E3      ♗F5
07  ♗B5     ♗D7
08  0-0     ♗D6
09  ♖E2     0-0
10  E4      DE4
11  ♘E4     ♘E4
12  ♖E4     ♕E8
13  ♖D5     A6
14  ♗D3     ♗B4
15  ♖B3     ♘D3
16  ♖D3     ♗B5
17  ♖B3     ♗F1
18  ♖F1     C5
19  D5      ♖C7
20  H3      C4
21  ♖C2     ♕AD8
22  ♘G5     G6
23  B3      B5
24  ♗B2     ♖E7
25  ♘F3     ♖E4
26  ♖E4     ♕E4
27  ♘D2     ♕EE8
28  BC4     ♗B4
```

```
29  ♕D1     BC4
30  ♘F3     C3
31  ♗C1     C2
32  ♕D3     F5
33  A3      ♗D6
34  ♘D4     ♕DC8
35  ♘C6     ♗G7
36  ♕D2     ♕E4
37  ♕C2     ♕CE8
38  ♘C3     ♗G8
39  ♗C3     ♕C4
40  G4      F4
41  ♗G2     ♕C5
42  ♗F3     ♕D5
43  ♘B4     ♕A5
44  ♗B2     ♕B5
45  ♕C4     A5
46  ♘D3     ♗A3
47  ♗A4     ♕B3
48  ♕A4     ♕D3
49  ♗F4     ♕E2
50  ♕A5     ♕F2
51  ♗G5     ♕H3
52  ♕A8     ♗G7
53  ♕A7     ♕F7
54  ♗B2     ♗F8
55  ♗A3     ♗E8
56  ♕A8     ♗D7
57  ♕A7     ♗E6
58  ♕A6     ♗D5
59  ♕D6     ♗E5
60  ♕A6     ♕HF3
61  ♗B2     ♗D5
62  ♕A5     ♗C4
63  ♗H8     ♗D3
64  ♕D5     ♗E2
65  ♗D4     ♕D3
66  ♕E5     ♗F3
67  ♕E1     ♕D7
68  ♕F1     ♗G2
69  ♕G1     ♗H2
70  ♗F2     ♕F3
71  ♗B6     ♕B3
72  ♗F2     ♕D2
73  ♗A7     ♕D5
74  ♗F4     ♕B4
75  ♗F3     ♕D3
76  ♗E2     ♕A3
—
        0 - 1
```

W: S.C. 12
B: Const. 3.6

```
01  D4      D5
02  E3      ♘C6
03  ♗D3     ♘F6
04  ♘F3     E6
05  0-0     ♗D6
06  ♘C3     ♗B4
07  A3      ♗C3
08  BC3     B6
09  A4      ♗B7
10  C4      ♗B4
11  ♗A3     ♘D3
12  CD3     ♘G4
13  H3      ♘F6
14  ♘E5     C6
15  ♖F3     ♕B8
```

```
16  ♖G3     ♕G8
17  ♕AC1    ♗H5
18  ♖F3     ♗F6
19  ♖E2     ♕C8
20  ♕CB1    ♗A6
21  C5      ♗C5
22  ♗C5     ♗A5
23  ♖C2     ♗C7
24  ♖A3     ♗D7
25  ♖D7     ♗D7
26  ♗C5     ♗C7
27  ♕B4     F6
28  ♕FB1    ♗F7
29  ♖E2     ♕GE8
30  E4      E5
31  DE5     ♕E5
32  F4      ♕E6
33  ♖E3     ♗A5
34  F5      ♕EE8
35  ♕1B3    ♕G8
36  ♖F2     ♗H8
37  ♖H2     ♗G8
38  G3      ♗H8
39  ♗G2     ♗G8
40  ♖G1     ♗F7
41  ♖D4     ♕CD8
42  ♖F2     ♕D7
43  ♖H2     ♗C7
44  ♖F3     ♗G8
45  ♖G2     DE4
46  ♕E4     ♕E4
47  ♖E4     ♕D8
48  ♖E6     ♗H8
49  D4      ♗C8
50  ♖E4     ♗F7
51  ♕B2     ♗C7
52  ♕E2     ♗D7
53  ♗G2     ♗C8
54  ♕F2     ♕E8
55  ♖B1     ♗C7
56  ♖D3     ♗A5
57  ♖C4     ♗E1
58  ♗A7     ♗F5
59  ♖F1     ♗F1
60  ♕F1     ♗E4
61  ♗F2     ♕A8
62  ♖E3     F5
63  ♗C5     ♕A4
64  G4      G6
65  GF5     ♗F5
—
        1/2 - 1/2
```

W: Const. 3.6
B: S.C. 12

```
01  E4      ♘C6
02  D4      D5
03  ED5     ♖D5
04  ♘F3     ♗F5
05  ♘C3     ♗E6
06  ♗E2     0-0-0
07  0-0     ♗F6
08  ♘G5     ♗F6
09  ♗G4     ♗G4
10  ♖G4     ♗B8
11  ♘CE4    ♗G6
12  ♖F3     ♗C2
13  ♘C5     ♗C6
```

Game 1 (columns 1, continued):

```
14  ♖C6    BC6
15  ♘F7    E6
16  ♘D8    ♗C5
17  DC5    ♗F6
18  ♘C6    ♟B7
19  ♘A5    ♟A6
20  ♗D2    ♟A1
21  ♕A1    ♟E4
22  ♟B3    ♟D2
23  ♘E4    ♕D8
24  ♘E4    E5
25  ♕E1    ♟B5
26  ♘C3    ♟C5
27  ♕E5    ♟C6
28  F4     ♕D2
29  B4     G6
30  B5     ♟B6
31  ♕E6    ♟B7
32  ♕E7    ♟C2
33  ♘E4    ♕A2
34  ♕H7    ♕A1
35  ♘F2    ♕A2
36  ♘F3    ♕A3
37  ♘G4    ♕A2
38  G3     ♕E2
39  ♘C5    ♟B6
40  ♘A4    ♟A5
41  ♘C3    ♕E6
42  ♕C7    . . .
-
        1 - 0

      W: S.C. 12
      B: Const. 3.6

01  E4     C5
02  ♘F3    D6
03  D4     CD4
04  ♘D4    ♘F6
05  F3     E5
06  ♗B5    ♗D7
07  ♗D7    ♘D7
08  ♘B3    ♗E7
09  0-0    ♘C6
10  ♘C3    0-0
11  ♘E3    ♕FD8
12  ♖E2    D5
13  ♘C5    ♗C5
14  ♗C5    D4
15  ♘B5    A6
16  ♘A3    ♘H5
17  ♘C4    ♘F4
18  ♘F2    ♗E6
19  ♘B6    ♖G6
20  ♘D2    ♕AB8
21  ♘C4    F5
22  ♗B6    ♕D7
23  EF5    ♗F5
24  ♕AE1   ♖G6
25  ♕E5    ♕F8
26  ♕EE1   ♕F5
27  ♕E4    ♘H3
28  ♘H1    ♖G5
29  ♕EE1   ♖F7
30  B3     ♘E6
31  ♖E2    ♕F6
32  ♘G1    ♕D5
33  ♘E4    ♘H5
34  A3     ♘H8
35  ♘G4    ♗F7
36  ♘G3    ♕DF5
37  ♕FE1   ♗D7
38  ♕FE1   ♗D7
39  ♕4E8   ♕6F8
40  ♕F8    ♕F8
```

Game (column 2):

```
41  ♕E4    ♘H5
42  ♘C7    ♘C7
43  ♗C7    ♘F6
44  ♕E1    ♘D5
45  ♗D6    ♕D8
46  ♗G3    ♕F8
47  ♘F2    ♘G8
48  ♕E1    ♘F7
49  ♕D6    ♘F6
50  ♘E5    ♘E5
51  ♗E5    ♕C8
52  ♗D4    ♕C2
53  ♘G3    ♘E7
54  ♕B6    ♕C7
55  ♗E5    ♕D7
56  ♗F6    ♕F7
57  ♗F6    ♕F7
58  G3     ♘G6
59  ♘F4    ♘F7
60  ♕B4    B5
61  H3     ♕D2
62  H4     ♕B2
63  G4     ♕H2
64  ♘G3    ♕D2
65  G5     FG5
66  HG5    ♕D5
67  A4     ♕D5
68  F4     ♘F5
69  ♘H3    ♕D3
70  ♘G2    BA4
71  BA4    ♘G4
72  A5     ♕D2
73  ♘F1    ♕A2
74  ♕D4    ♘A3
75  ♕F1    ♘A5
76  ♘H2    ♘G4
77  ♘G2    ♕A2
78  ♘F1    ♘F3
79  ♘G1    ♟G3
80  ♕D1    ♟F4
81  ♕D7    A5
82  ♕H7    ♘G5
83  ♕G7    ♘F4
84  ♕A7    A4
85  ♘E1    ♘E3
86  ♘D1    ♕D2
87  ♘E1    ♕E2
88  ♘F1    ♕F2
89  ♘E1    ♕E2
90  ♘F1    ♕F2
91  ♘E1    ♕E2
92  ♘F1

       1/2 - 1/2

      W: Const. 3.6
      B: S.C. 12

01  ♘F3    F5
02  E3     ♘F6
03  D4     E6
04  ♗D3    ♗B4
05  C3     ♗E7
06  0-0    0-0
07  ♘BD2   D5
08  ♘E5    C5
09  ♘DF3   C4
10  ♗C2    ♘E4
11  ♘E1    ♘C7
12  H3     ♗D6
13  ♘E2    ♗D7
14  ♘D7    ♘D7
15  ♕E1    ♘E8
16  G4     FG4
17  HG4    ♘G3
18  ♕F1    ♘F2
```

Game (column 3):

```
19  ♕F2    ♗G3
20  ♕G2    ♗F3
21  ♘F3    ♕F3
22  ♗E4    DE4
23  ♕H4    ♗A4
24  ♕E2    ♕AF8
25  ♕D2    ♗D1
26  ♕D2    ♕3F1
27  B3     ♗G4
28  BC4    H5
29  C5     G5
30  C4     H4
31  ♗B2    ♕1F3
32  ♕E1    ♗H3
33  ♘C6    ♕F1
34  C6     BC6
35  C5     G4
36  ♘G1    G3
37  ♗C3    A6
38  ♕B2    H3
39  ♕D2    G2
40  ♕G2    HG2
41  ♕E2    ♗E2
42  ♘G2    ♗F1

        0 - 1

      W: S.C. 12
      B: Const. 3.6

01  D4     D5
02  E3     ♘F6
03  ♗D3    E6
04  ♘C3    ♗B4
05  ♗D2    C5
06  A3     CD4
07  AB4    DC3
08  ♗C3    ♘BD7
09  ♘F3    0-0
10  0-0    ♖E7
11  ♖E1    E5
12  E4     DE4
13  ♗E4    ♘E4
14  ♖E4    F6
15  ♕FD1   ♕D8
16  ♖D5    ♗H8
17  ♗E5    FE5
18  ♘E5    ♕F8
19  ♘D7    ♕D8
20  ♖F3    A6
21  ♗B7    ♕AB8
22  C4     ♕AB8
23  ♖A6    ♖B4
24  ♕A2    ♗B5
25  ♕DA1   ♗A6
26  ♕2A6   ♗C4
27  ♕6A7   ♖E2

        0 - 1

      W: S.C. 12
      B: Const. 3.6

01  B3     ♘F6
02  ♗F3    E6
03  ♘C3    ♗B4
04  A3     ♗C3
05  DC3    0-0
06  ♗F4    ♘C6
07  ♘D4    ♗B8
08  ♘F3    D6
09  ♗G5    D5
10  E3     ♕BD7
11  ♗E2    ♘C5
12  0-0    ♖CE4
```

Game (column 4):

```
13  ♖D4    ♘G5
14  ♘G5    C5
15  ♘F4    ♗E7
16  ♘D3    E5
17  ♖H7    H6
18  ♘H7    ♗D8
19  ♘F6    ♖D6
20  ♗D3    GF6
21  E4     DE4
22  ♗E4    F5
23  ♗F3    E4
24  ♕FD1   ♗E6
25  ♗E2    F4
26  C4     ♗G7
27  C3     ♘D1
28  ♕D1    ♕E8
29  ♘F1    ♘F6
30  A4     F3
31  GF3    ♗H3
32  ♘G1    ♕G8
33  ♘H1    ♗G2
34  ♘G1    ♗H3
35  ♘H1    ♗G2
36  ♘G1    ♗H3

       1/2 - 1/2

      W: Const. 3.6
      B: S.C. 12

01  E4     G6
02  D4     ♗G7
03  ♘F3    D5
04  ED5    ♘D5
05  ♘C3    ♘F6
06  ♗E2    ♘F6
07  ♘G5    ♖B6
08  0-0    H6
09  ♘F3    0-0
10  ♕E1    ♘C6
11  ♗B5    ♗E6
12  ♗C6    ♗C6
13  ♗F4    ♕AD8
14  ♘C1    H5
15  ♕D2    ♘G4
16  ♕E2    ♘B6
17  ♕D1    C6
18  B3     A6
19  ♗A4    ♗A7
20  ♘C3    B6
21  ♖E1    C5
22  ♕E4    B5
23  ♘E5    ♕D4
24  ♘C6    ♗D1
25  ♘D1    ♗D7
26  ♖A5    ♕D5
27  C4     ♖D7
28  CB5    AB5
29  ♕E2    ♗D4
30  ♕E4    ♗D5
31  ♕E2    ♕A8
32  ♖E3    ♗D4
33  ♗G3    ♕D8
34  ♘G4    ♗D7
35  ♖G4    ♖C6
36  ♗E5    ♗E5
37  ♗E5    C4
38  ♗D2    F6
39  ♘D4    ♖D5
40  B4     ♗F5
41  ♕E7    ♗D6
42  ♕E1    ♗G7
43  ♖D2    ♖A6
44  ♘C5    ♖D8
45  ♕E7    ♗G8
46  ♘D4    ♗D4
```

```
47  ♗D4   ♛D6        07  H3    ♗F3        23  ♘G5   ♛D7            W: Elegance
48  ♗C3   ♛D3        08  ♙F3   E5         24  ♙G3   ♙H8            B: Superconstellation
49  ♕E8   ♙F7        09  DE5   DE5        25  A3    B6
50  ♕E3   ♛D6        10  0-0   ♛D1        26  B4    BC5        01  E4    C5
51  A3    ♛D1        11  ♛D1   ♗D6        27  BC5   ♗A5        02  ♘F3   D6
52  ♕E1   ♛D8        12  ♙D3   ♗C8        28  ♘E4   F6         03  D4    CD4
53  ♙F1   ♛A8        13  B3    0-0        29  ♗D2   ♙A6        04  ♘D4   ♘C6
54  ♗B2   G5         14  ♙C4   C5         30  ♘D6   ♛E7        05  ♘A4   ♗D7
55  F3    H4         15  ♗E3   ♛B4        31  ♛AB1  ♛A4        06  ♗E3   ♘F6
56  ♕E3   H3         16  ♙D3   ♗A8        32  ♛B7   ♛B7        07  ♘C3   ♘G4
57  GH3   ♗H3        17  A3    ♛BB8       33  ♘B7   ♗G8        08  0-00  ♘E3
58  ♙E1   ♗F5        18  ♗G5   ♙H5        34  ♙D3   ♛B8        09  FE3   ♗B8
59  ♙D2   ♛D8        19  ♙E2   ♙F4        35  ♘A5   ♛B8        10  ♗C4   E6
60  ♙C3   ♛D1        20  ♗F4   EF4        36  ♘C4   ♛A2        11  ♗B5   A6
61  A4    BA4        21  ♛D5   ♗C6        37  ♛C1   ♘C7        12  ♗C6   ♗C6
62  B5    ♛D3        22  E5    ♗E7        38  ♙D8   ♗E6        13  ♙C4   ♗E7
63  ♕D3   CD3        23  ♙G4   ♗H6        39  ♙B8   ♗D4        14  ♘D4   ♗D7
64  B6    ♗C8        24  ♛D7   ♗D8        40  ♘D6   ♗B3        15  ♕HF1  0-0
65  ♙D3   ♗B7        25  ♛AD1  F5         41  ♙B3   ♗B3        16  ♙E2   B5
66  ♙C4   ♗F3        26  ♙F3   C6         42  ♛E1   ♗D2        17  ♙G4   ♗B7
67  ♙B5   ♙E6        27  ♙E2   F3         43  F3    ♛A3        18  A3    B4
68  ♙A6   ♙D7        28  ♙F3   ♗E6        44  ♛E8   H6         19  AB4   ♛AB8
69  ♗G7   ♙C8        29  ♙G3   G6         45  ♗F5   ♗H7        20  ♙A2   A5
70  ♗G7   ...        30  F4    ♗E7        46  ♛E7   ♗G6        21  C3    AB4
-                    31  ♛A7   C4         47  ♛G7   ♗F5        22  ♘B4   D5
       1/2 - 1/2     32  B4    ♛BA8       48  ♛G8   ♗B3        23  ED5   ♗B4
                     33  ♛DD7  ♛A7        49  G4    ♗F4        24  CB4   ♗B4
                     34  ♛A7   C5         50  ♛G6   ♗F3        25  ♙E2   ED5
     W: Elegance     35  B5    AB5        51  ♛F6   ♗G4        26  ♙D2   ♗C4
  B: Superconstellation  36  ♘B5  ♛B8    52  ♛C6   ♗A5        27  ♘C2   ♗A2
                     37  A4    ♛D8        53  ♛H6   ♛C5        28  ♘C3   ♛B3
01  C4    E5         38  ♙E1   ♗G7        54  ♛A6   ♗F3        29  ♙D4   ♗C8
02  ♘C3   ♘C6        39  ♙E2   ♗H8        55  H4    ♗G3        30  H3    ♗A4
03  ♘F3   ♘F6        40  ♛B7   ♛A8        56  ♙F1   ♗H4        31  ♙F2   ♗C4
04  G3    ♗B4        41  ♘C3   G5         57  ♛A7   ♛C2        32  ♘C4   ♗B2
05  ♗G2   0-0        42  FG5   ♗G5        58  ♛G7   ♗D4        33  ♙D2   DC4
06  0-0   ♛E8        43  G3    ♛E8        59  ♙E1   ♗F3        34  ♙E1   ♛D3
07  A3    ♗C3        44  ♙H5   H6         60  ♙D1   ♛D2        35  ♛A1   F6
08  DC3   D6         45  ♛B6   ♗E5        61  ♙C1   ♛H2        36  ♙F1   ♗C2
09  ♘G5   H6         46  ♙G2   ♗D2        62  ♛H7   ♗G4        37  ♛E1   C3
10  ♘F3   ♗E6        47  ♛H6   ♗H6        63  ♛H2   ♗H2        38  ♛F4   ♛D1
11  ♙A4   ♘D7        48  ♙H6   ♗G8                            39  ♛D1   ♗C2
12  ♗E3   F5         49  ♙G6   ♗F8               1/2 - 1/2    40  ♙G1   C2
13  ♙B5   ♘B6        50  ♙H6   ♗F7                            41  ♛C4   ♗CC1
14  ♘D2   E4         51  ♙H5   ♗G7        W: Superconstellation  42  ♛C1  ♗C1
15  ♗F4   ♘E5        52  ♙G5   ♗F8          B: Elegance        43  ♙F2   ♗D2
16  B3    ♗F6        53  ♙H6   ♗G8                            44  ♙G1   ♗E3
17  F3    ♗D7        54  ♙G6   ♗F8        01  E4    G6         45  ♙H2   ♗E1
18  ♙A5   ♘C6        55  ♙H6   ...        02  D4    ♗G7        46  H4    ♗H4
19  ♙B5   A6                              03  ♘F3   D6         47  ♙G1   ♗E2
20  ♙E4   ♛E4               1/2 - 1/2     04  ♘C3   ♘F6        48  G3    ♗G3
21  ♙B6   CB6                             05  ♗C4   ♗E4        49  ♙H1   ♗F3
22  FE4   FE4             W: Elegance     06  ♗F7   ♗F7               MATE
23  ♗E4   ♙C3        B: Superconstellation 07  ♘E4   ♗E8
24  ♗D5   ♙H8                             08  ♘E3   D5               0 - 1
25  ♗D6   ♗H3        01  D4    D5         09  ♘C5   ♘C6
26  ♛FE1  ♛D8        02  C4    E6         10  0-0   E5
27  ♗F4   ♙B3        03  ♘C3   ♘F6        11  DE5   ♘E5        W: Superconstellation
28  ♛EB1  ♙C2        04  ♘F3   C6         12  ♗D4   B6           B: Elegance
29  ♗C7   ♛D5        05  E3    ♘BD7       13  ♘E5   BC5
30  ♛BF1  ♙E2        06  ♗D3   ♗D6        14  ♘C6   ♗D7        01  E4    D5
31  ♛F8   ♙H7        07  C5    ♗C7        15  ♛E1   ♗F8        02  ED5   ♘F6
32  ♛F2   ♛D1        08  0-0   0-0        16  ♙E3   ♗F5        03  ♗B5   C6
33  ♛D1   ♙D1        09  E4    E5         17  ♘C5   ♗F7        04  DC6   ♘C6
34  ♛F1   ♙F1        10  ♗E3   DE4        18  ♛E7   ♗G8        05  ♙F3   ♗F5
-                    11  ♗E4   ♘E4        19  ♛G7   ♗G7        06  0-0   ♛C8
       0 - 1         12  ♘E4   ED4        20  ♙C3   ♗H6        07  D4    E6
                     13  ♙D4   ♛E7        21  ♗E3   G5         08  ♗G5   ♗D6
W: Superconstellation 14  ♘D6  ♗F6        22  ♙H8   ♗B7        09  ♘H4   ♗C7
   B: Elegance       15  ♗G5   ♗D8        23  ♙C3   ♗E4        10  H3    ♗E4
                     16  ♛FE1  ♗C7        24  ♙F6   ♗G6        11  ♘F5   EF5
01  D4    D6         17  ♙D2   ♗G4        25  ♗G5   ♗H5        12  ♕E1   0-0
02  E4    ♘F6        18  ♙E5   ♗E6        26  G4    ♗H5        13  ♗E3   ♗H2
03  ♘C3   ♘C6        19  ♙D3   ♗E7        27  ♙F4   ♗H5        14  ♙F1   ♗B4
04  ♗B5   ♗G4        20  ♗F4   ♛AD8       28  ♙H4   ...        15  C3    ♘D5
05  ♘F3   A6         21  ♙F3   ♗D5              MATE           16  ♘A3   ♗D6
06  ♗C6   BC6        22  ♗G5   ♗G5              1 - 0          17  ♘B1   ♗C7
                                                              18  ♙F3   ♗E3
                                                              19  ♕E3   ♗B6
```

```
20  ♘E2   ♛FD8        25  ♘D3   F5          42  ♟E6   ♝F8          32  ♘G1   ♛G1
21  ♛F3   ♛D4         26  EF6   ♝F6         43  ♛F7   ♝E8          33  ♟G1   ♝G4
22  ♘D3   ♛DD8        27  ♛BA1  E5          44  ♛F5   ♝D8          34  ♟H1   ♝D1
23  ♟A3   ♛DE8        28  A5    E4          45  ♛C5   H5           35  ♟G2   ♝D2
24  ♟C2   A6          29  ♘E2   ♘H5         46  GH5   G4           36  ♜F2   E3
25  ♟C4   ♝E6         30  ♘H5   ♝H5         47  HG4   ♝E8          37  ♜E2   ♝H7
26  ♟A5   ♛E7         31  ♛F8   ♛F8         48  ♛C8                38  H3    ♝H6
27  ♟C7   ♟D5         32  A6    ♝E5             MATE             39  ♟A4   ♝D4
28  ♛D1   ♟E5         33  ♟D4   ♝A8                              40  ♟A4   ♝D1
29  ♘E2   ♛CE8        34  ♟B3   ♝F6             1 - 0            41  ♜F1   ♛C5
30  ♟D4   G6          35  ♜B7   ♛F8                              42  ♛F4   ♛A5
31  ♛FD3  ♝F4         36  A7    ♘G4          W: Elegance          43  ♛F7   ♛A1
32  ♘F3   ♝G5         37  G3    ♛H2          B: Superconstellation 44  ♟E2   ♛CC1
33  ♟B3   ♝H4         38  ♟AA8  ♛G3                              45  ♟C1   ♛C1
34  ♛3D8  ♝G7         39  ♟H1   ♛A8          01  E4    E5         46  ♟D1   ♛D1
35  ♛E8   ♝E8         40  ♟A8   ♝F7          02  ♘C4   ♘F6        47  ♟G2   E2
36  ♛D7   B6          41  ♟A2   ♝F6          03  D4    ED4        48  ♛E1   ♝E1
37  ♛A7   ♝G3         42  ♟H2   ♝E3          04  ♘F3   ♝E4        49  ♛E1   ♝E1
38  FG3   ♚G3         43  ♛F2   ♝G6          05  ♜D4   ♘F6        50  ♟F3   ♛B1
39  ♟D2   ♛E1         44  ♘E6   ♝H6          06  ♘G5   ♝E7        51  ♟E4   ♛B3
40  ♟E1   ♚E1         45  ♘F5   ♝G5          07  ♘C3   ♝C6        52  ♟D5   A5
41  ♟E2   ♝F2         46  ♘H7   ♝G6          08  ♜D3   0-0        53  H4    ...
42  ♟D1   ♝F1         47  ♘F8   ♝G5          09  0-00  D6
43  ♘E2   ♝G1         48  ♜H6   ♝H6          10  ♛HE1  ♛E8            0 - 1
44  ♘C4   ♚C3         49  ♘E6   D4           11  ♝B5   ♝G4
45  ♟C2   ♚E5         50  ♘D4   ♝H5          12  ♜D2   ♘GE5      W: Elite A/S - C
46  ♟F7   ♝H6         51  ♛F7   E3           13  ♝E5   ♘G5       B: Superconstellation
47  G4    ♝G2         52  ♛G7   E2           14  ♝F7   ♝D2
48  ♟D2   ♚F4                                15  ♟D2   ♝E7       01  ♘F3   ♘F6
49  ♛D7   B5              1 - 0              16  ♝G5   ♝H8        02  G3    B5
50  ♛D4   ♝F2                                17  ♝F7   ♝G8        03  D4    ♝B7
51  ♛F4   ♝F4          W: Superconstellation 18  ♝G5   D5         04  ♘G2   D5
52  ♘E6   ♝E3             B: Elegance        19  ♘D5   ♝E6        05  0-0   E6
53  GF5   GF5                                20  ♘E6   ♝H8        06  ♘F4   C5
54  ♘F7   ♝G5          01  E4    ♘F6         21  ♝F7   ♝G8        07  ♘C3   A6
55  ♘G8   H5           02  E5    ♘D5         22  ♝G5   ♝H8        08  E3    ♘BD7
56  ♘B3   F4           03  D4    D6          23  ♝F7   ♝G8        09  A4    B4
57  A4    ♝H3          04  ♘F3   ♝G4         24  ♝G5   ...        10  ♘E2   ♝E7
58  AB5   AB5          05  ♘E2   E6                              11  C3    ♛C8
59  ♟E4   ♝H6          06  0-0   ♝E7            1/2 - 1/2        12  CB4   CD4
60  ♘D5   F3           07  C4    ♘B6                             13  ♜D4   ♝B4
61  ♟D2   F2           08  ♘C3   DE5         W: Superconstellation 14  ♜B3   A5
62  ♘E4   ♝C8          09  DE5   ♘C6            B: Elegance      15  ♝B5   0-0
63  ♟B1   ♝C4          10  ♘D2   ♝F5                             16  ♛AC1  ♘C5
64  ♘G2   ♝G4          11  ♘F3   ♝G4         01  E4    C5        17  ♜D1   ♘CE4
65  ♘B7   ♝D1          12  H3    ♝F3         02  ♘F3   D6        18  ♜D4   ♝C5
                       13  ♘F3   ♝E5         03  D4    CD4       19  ♜D3   ♝A6
    0 - 1              14  ♛B7   ♝D1         04  ♘D4   ♝F6       20  ♜FD4  ♝E7
                       15  ♛D1   ♛B8         05  ♘C3   A6        21  ♘E5   ♛FD8
   W: Elegance         16  ♘A6   ♝BC4        06  ♘E2   E5        22  F3    ♛D7
 B: Superconstellation 17  ♘B5   ♘D6        07  ♝B3   ♝E7       23  ♘G7   ♘G3
                       18  B3    ♛B6         08  0-0   0-0       24  HG3   ♝G7
 01  D4    ♘F6         19  BC4   ♛A6         09  A4    ♝E6       25  ♜C3   ♝F6
 02  C4    E6          20  C5    ♛A5         10  F4    ♝B6       26  ♜A5   ♝B5
 03  ♘F3   ♝B4         21  A4    ♛B5         11  ♟H1   ♘BD7      27  ♜B5   ♝D4
 04  ♘D2   A5          22  AB5   ♝C5         12  A5    ♝C6       28  ED4   ♝D4
 05  ♘C3   0-0         23  ♘E3   ♝E3         13  ♘F3   ♛AC8      29  ♟H2   ♛CB8
 06  C5    D5          24  FE3   0-0         14  F5    ♝C4       30  ♛FD1  ♝F2
 07  E3    ♝D7         25  ♛A7   C6          15  ♛F2   B5        31  ♜D4   ♝F2
 08  ♘D3   A4          26  B6    C5          16  G4    B4        32  ♜D4   ♝D4
 09  0-0   A3          27  ♛C7   ♘C4         17  ♘D5   ♘D5       33  ♛D4   ♛B2
 10  ♜C2   AB2         28  B7    ♘A5         18  ED5   ♝B5       34  ♟H3   ♛D6
 11  ♜B2   ♝C6         29  ♛B1   ♝B7         19  G5    ♝D8       35  ♛A1   ♛C6
 12  ♝E5   ♝E8         30  ♛BB7  H6          20  F6    G6        36  A5    ♛CC2
 13  F4    ♝C8         31  ♛C5   G6          21  ♘E3   ♛E8       37  ♛E1   ♝C6
 14  A4    ♝D7         32  ♟F2   ♛E8         22  ♘C1   E4        38  ♛G4   ♝F6
 15  ♝B5   ♝D2         33  ♛CC7  ♛F8         23  ♘G4   ♛E5       39  ♛F4   ♝G6
 16  ♜D2   ♝D8         34  ♛CE7  G5          24  ♛D2   H5        40  ♛H4   ♝H6
 17  ♘C3   ♝B4         35  G4    ♛D8         25  GH6   ♝F6       41  ♛G4   ♝G5
 18  ♘E2   B6          36  ♛EF7  ♛B8         26  B3    ♝D5       42  ♛G4   ♝H5
 19  ♛AB1  BC5         37  ♛FG7  ♝F8         27  C4    BC3       43  ♛H4   ♝G6
 20  DC5   ♘C6         38  ♟F3   ♛B7         28  ♘D7   ♝D7       44  ♛G4   ♝F5
 21  ♜C2   ♝E7         39  ♛B7   ♝E8         29  ♛D5   C2        45  ♛F4   ♝G6
 22  ♘B5   ♝E5         40  ♜E4   ♝F8         30  ♜F1   ♛D5       46  ♛G4   ...
 23  FE5   ♝E4         41  ♟E5   ♝E8         31  ♜F6   ♛D1
 24  C6    ♝E8                                                    1/2 - 1/2
```

W: Superconstellation
B: Elite A/S - C

```
01 E4     Nf6
02 E5     Nd5
03 D4     D6
04 Nf3    Bg4
05 Be2    E6
06 0-0    Be7
07 C4     Nb6
08 Nc3    de5
09 de5    Nc6
10 Nd2    Bf5
11 Nf3    Bg4
12 H3     Bf3
13 Bf3    Ne5
14 Be2    Bd1
15 Qd1    Rb8
16 Na6    Nbc4
17 Nb5    0-0
18 B3     Qb6
19 Nc7    Na5
20 Be3    Qc6
21 Qac1   Qd8
22 Be2    Qd1
23 Bd1    Qc1
24 Bf1    Nac6
25 Rf1    Nb4
26 Na3    A5
27 Re2    Nec6
28 Bb4    ab4
29 Rd2    Bf8
30 Rd3    Bc5
31 Rc4    Bf2
32 Rb5    Nd4
33 Rb4    Bg3
34 Rbc5   Nb5
35 Rc5    Nb5
36 Rb5    F5
37 A4     E5
38 A5     E4
39 A6     Bf2
40 Rc6    G5
41 Rb7    Re7
42 Be2    Rd6
43 A7     Ra7
44 Ra7    Rc5
45 Rb8    F4
46 Rc7    E3
47 Bc4    H5
48 Be2    Rb4
49 Rd6    Rb3
50 Re5    H4
51 Rf6    Rc3
52 Rg5    Re2
53 Rf3    Re2
54 Be2    Re2
55 Rf4    Rf2
56 Rg4    Rg2
57 Rh4    Rf3
58 Rg5    Re4
59 Rg6    Re5
60 H4     Re4
61 H5     ...
```
1 - 0

W: Elite A/S - C
B: Superconstellation

```
01 E4     E5
02 Nf3    Nc6
03 Nc3    Nf6
04 D4     Bb4
05 Ne5    Ne5
06 de5    Ne4
07 Ng4
08 Ng7    Qf8
09 A3     Bc5
10 Bc3    Nh4
11 Nf6    Nf6
12 ef6    Qg8
13 Be3    Be3
14 fe3    D5
15 G3     Bf5
16 Bb5    C6
17 Bd3    Bd3
18 cd3    0-0-0
19 Rf1    Rde8
20 Be2    Qe6
21 Qf3    B6
22 Qb1    Qg6
23 Qbf1   Qg8
24 Q3f4   Qg6
25 Qh4    H6
26 Qhf4   Nc7
27 G4     Nd6
28 Qa4    A5
29 Qaf4   B5
30 H4     Bc5
31 E4     Qg8
32 Ne3    de4
33 de4    Bc4
34 Qd4    Bc3
35 Qd3    Bc4
36 Qd7    Qf8
37 E5     Bc5
38 Qe7    Qe8
39 Qf7    Q6e5
40 Bf2    Q5e1
41 Qf3    Bb6
42 Qh7    Qa1
43 F7     Qf8
44 Qh6    Nc7
45 Qe6    Bd7
46 Qe4    Ba2
47 Bg3    Bd2
48 G5     Qd1
49 Bh3    Qd6
50 Qg4    Qg6
51 H5     Qg7
52 G6     Be6
53 H6     Qgf7
54 gf7    B4
```
1 - 0

W: Superconstellation
B: Elite A/S - C

```
01 E4     E6
02 D4     D5
03 Nc3    Bb4
04 E5     C5
05 A3     Bc3
06 bc3    Ne7
07 A4     Nbc6
08 Nf3    Na5
09 Bd2    C4
10 G3     Nd8
11 Ng2    Bd8
12 0-0    Ba4
13 Be2    Ndc6
14 Qa2    0-0
15 Ng5    H6
16 Nh3    A6
17 Ng4    Bf5
18 Nf4    Bce7
19 Nh5    H8
20 Ng7    Nef5
21 Nh6    Nef5
22 Ng5    Ng8
23 Nh3    Nc3
24 Qa4    Nd4
25 Ng4    Bc2
26 Bf6    Ndf5
27 Qaa1   Nd2
28 Qfd1   Nh6
29 Qdb1   B5
30 Nb2    Qfc8
31 Bg5    Bh5
32 Nf4    Bh7
33 Qba2   Qc6
34 Q2a5   B4
35 Qb5    Nh5
36 Ng4    B3
37 Qb7    Ng6
38 Bf3    Nhg7
39 Nf4    Nd4
40 Nd4    Bg5
41 Nc3    Nf5
42 Bf1    Qac8
43 Bg2    Bg7
44 Qa7    D4
45 Ne1    Q6c5
46 Bb4    Qe5
47 Na4    Qe5
48 Na6    Qcb8
49 Qd7    Ne3
50 fe3    B2
51 Qb1    Bf5
52 Ne2    Bd3
53 Bf2    ...
```
0 - 1

W: Elite A/S - C
B: Superconstellation

```
01 E4     E5
02 Nf3    Nc6
03 Bb5    A6
04 Ba4    Nf6
05 0-0    Be7
06 Qe1    B5
07 Bb3    D6
08 C3     0-0
09 H3     Na5
10 Bc2    C5
11 D4     Nc7
12 Nbd2   cd4
13 cd4    Bb7
14 Nf1    Qac8
15 Qe2    Nc6
16 A4     ab5
17 ab5    ab5
18 Bd3    Nb6
19 D5     Nd4
20 Nd4    Nd4
21 Rb3    Nd7
22 Rb5    Nc5
23 Qc2    Bd5
24 ed5    Nd4
25 Ne3    Nd5
26 Nf5    Bb7
27 B4     Qca8
28 Ba4    Qab8
29 Nb2    Bb7
30 Nb7    Bf8
31 Ne8    Nd8
32 Nc6    G6
33 B5     Be7
34 Ne7    Be6
35 Qa7    Qc6
36 F4     F6
37 Bc6    Qc8
38 Qh7    G5
39 C7     gf4
40 Qc1    gf4
```
1 - 0

W: Superconstellation
B: Elite A/S - C

```
01 D4     Nf6
02 C4     G6
03 Nc3    D5
04 cd5    Nd5
05 E4     Nc3
06 bc3    Bg7
07 Bf3    0-0
08 E4     A5
09 Bc4    A4
10 Nc2    C5
11 Be3    cd4
12 cd4    Nc6
13 Rd2    Bg4
14 Qb1    Bd7
15 Bd5    E6
16 Bc6    Bc6
17 Ng5    H6
18 F3     hg5
19 Qc1    Nb5
20 fg4    Qfc8
21 Qd1    Bf8
22 Bf2    Bb4
23 Qdb1   Bd2
24 Qb5    Qc2
25 Re3    Qe3
26 Qb5    Qg2
27 Qf1    Qc8
28 D5     ed5
29 Qff7   Qh2
30 ed5    Qc3
31 Bd4    Qg3
32 Qfg7   Rf8
33 Qbf7   Re8
34 Qef7   Rf8
35 Qef7   Re8
36 Qfe7   Rf8
37 Qef7   ...
```
1/2 - 1/2

W: Elite A/S - C
B: Superconstellation

```
01 B3     D5
02 Nf3    Nf6
03 E3     Bg4
04 Bb5    C6
05 Be2    Nbd7
06 0-0    E5
07 D4     E4
08 Nfd2   Be2
09 Qe2    Bd6
10 Bb2    Nc7
11 F4     0-0
12 C4     Qad8
13 C5     Be7
14 Nc3    H6
15 A3     Qdc8
16 F5     Bd8
17 B4     A6
18 A4     B6
19 Qa3    Bc5
20 Bc5    Ba5
21 Qac1   Qb8
22 Rd1    Rc7
23 Qa1    Ra5
24 Rc1    Re7
25 Bb3    Rc7
26 Qb1    Be8
27 Rd2    Qb1
28 Ncb1   Ra7
29 Re1    Ba5
30 Re2    Bc7
```

#			#			#		
31	♘C3	♖B8	20	0-0	DE4	48	♕E5	♖B4
32	♘A2	♖B7	21	♕E1	♗F5	49	♕F5	♗B4
33	♘B4	♖B4	22	♗E4	♖F6	50	♙E1	♗B5
34	♔B4	♔H2	23	♗F5	♖F5	51	♕A5	♗C6
35	♙H2	♖B8	24	♖B2	♖AD8	52	♕G5	♗B6
36	♗G1	♖B4	25	♕AC1	♖G6	53	♕A3	♗E2
37	♖A1	♖B2	26	♕C7	♖HE8	54	♕G6	♗C5
38	♕E1	♖B4	27	♕E8	♖E8	55	E4	♗G4
39	♙D1	♘F8	28	F3	♕E2	56	♕G5	♗D4
40	♘F1	♖B7	29	♕G7	♖H6	57	E5	♖B5
41	♕E2	♘8H7	30	♕F7	♖B2	58	♙F2	♖B2
42	♕F2	♘G5	31	♕F5	♘F5	59	♙F1	♗E4
43	♖E2	♘GH7	32	G3	♖E3	60	♙G1	♕E2
44	A5	♘G5	33	F4	♖C4	61	♕B3	♖C2
45	♕F4	♘D7	34	G4	♖A3			
46	♕H4	♘F6	35	F5	♖B4		1/2 - 1/2	
47	♕H2	♘D7	36	H3	♖F4			
48	♕H1	♘F6	37	♙G2	A5	W: Superconstellation		
49	♕H4	♘D7	38	♙G3	♕D4	B: Elite A/S - C		
50	♕H2	♘F6	39	H4	A4	01	E4	C5
51	♕H1	♘D7	40	G5	♖H5	02	♘F3	♘C6
52	♘G3	♖H7	41	F6	...	03	D4	CD4
53	♘H5	♖B4				04	♘D4	G6
54	♙G4	♘G5		0 - 1		05	C4	♗G7
55	F6	♖A5				06	♘E3	♘F6
56	FG7	♖D2	W: Elite A/S - C			07	♘C3	♘G4
57	♙H2	♘F3	B: Superconstellation			08	♙G4	♗D4
58	♙G3	♖E1				09	♙D1	♗E6
59	♕G1	♖E3	01	D4	♘F6	10	♕C1	0-0
60	♙H2	♖F2	02	C4	G6	11	B4	A5
61	♕E1	♖E1	03	♘F3	♗G7	12	A3	D6
62	♙D7	♖H4	04	G3	0-0	13	♗E2	♗C7
63	♘H3	♖H3	05	♗G2	C5	14	0-0	F5
64	♙H3	A5	06	DC5	♖A5	15	♗D3	AB4
65	G4	A4	07	♘C3	♖E4	16	AB4	♕A3
66	♙H4	E3	08	♗D2	♘C3	17	♙D2	♗D7
67	♙G3	A3	09	BC3	♘C6	18	♗B6	♖B8
68	♙F3	A2	10	0-0	♖C5	19	♘D5	♘D5
69	♙E3	♖A1	11	♖A4	D6	20	CD5	FE4
70	♙D3	♖D1	12	♕FB1	♖H5	21	♗E4	♗B5
71	♙C3	F5	13	E4	♖G4	22	♕FE1	♖A8
72	♘F6	♖G7	14	H3	♖E4	23	♗B1	♗E5
73	♘E8	♖H7	15	♘D4	♖D3	24	♕C7	♕F7
74	♘F6	♖H8	16	♘C6	BC6	25	♕EC1	♗F4
75	GF5	♖F3	17	♗C6	♗H3	26	♕7C8	♕F8
76	♙B4	♖F5	18	♗A8	♕A8	27	♖E1	♖C8
77	♘E8	♖B1	19	♖C6	♕C8	28	♙E6	♖G7
78	♙A4	♖D1	20	♖D5	♖C2	29	♕C8	♖C8
79	♙A3	♖D4	21	♕BD1	♖A4	30	♖C8	♕A4
80	♙B3	♖C4	22	♕DE1	♖F6	31	♙B7	♖B4
81	♙B2	♖E2	23	♗B5	♖C4	32	♖E7	♖G8
			24	♖C4	♕C4	33	♖E6	♖G7
	0 - 1		25	♙H2	♗E6	34	♖E1	♗D2
			26	♕EC1	♗D5	35	♖E7	♖G8
W: Superconstellation			27	♕AB1	♖G7	36	♗A2	♕A4
B: Elite A/S - C			28	♕B5	♗F3	37	♖E6	♖G7
01	C4	C5	29	♕A5	♗E5	38	♗D8	♖H6
02	♘F3	♘F6	30	♙G1	♕C7	39	♗F6	♕A3
03	D4	CD4	31	C4	♗D4	40	♗E7	♕A4
04	♘D4	E6	32	♕B5	E6	41	H3	♕E4
05	♘C3	♘C6	33	♗E3	♗E3	42	♗G7	♖H5
06	♘DB5	♗C5	34	FE3	F5	43	♖E4	♗D7
07	♘D6	♗E7	35	♙F2	♗B7	44	G3	...
08	♘DE4	♘E4	36	♕BB1	♖F6			
09	♘E4	♗B4	37	♕CD1	♖E7		1 - 0	
10	♗D2	♖A5	38	♕D4	♗A6			
11	A3	♗D2	39	♕H4	H5			
12	♘D2	D6	40	♕B4	♗B7			
13	E4	♗D7	41	A4	♗C6			
14	♗E2	♘E5	42	♕D4	G5			
15	B4	F5	43	♕D1	A5			
16	♗B1	♗D4	44	♕B6	E5			
17	♗D3	FE4	45	♕A6	♗A4			
18	♘E4	D5	46	♕DD6	♕C4			
19	CD5	ED5	47	♕DE6	♖D7			

Mate in 5

Mate in 5

COMPUTER CHESS

REPORTS

Mate in 5

Mate in 5

COMPUTER CHESS REPORTS

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EDITORIAL

In this second issue of 1985, the Computer Chess Reports (CCR) is featuring some of the exciting events, and new developments that occured over the past six months in the world of computer chess. Although we try to cover the most important news on all types of computers, our primary function is providing consumers with relevant information on commercially available micro or home chess computers.

Included among the major stories in this edition are: a complete report on the 1st United States Open Computer Chess Championship from Mobile Alabama, a similtaneous exibition by Gary Kasparov against 32 chess computers in Europe, and in depth reviews on the new Mephisto and Turbostar computers. Plus, the section listing tournament games has been expanded, and the best games from the "Blitz" tournament have also been added. Part of the tournament section is the entire 20 game match between the new Mephisto program, and the more established Super Constellation. Unquestionably, it was one of the best matches on record for micro computers. Also included are 10 of the best games from the Conchess vs Super Constellation match. The games from these matches, as well as all the other tournament games in this issue, exemplify the state of the art among today's commercial chess computers. Even the games from the speed tournament reveal some remarkable strategies and tactical shots that a lot of human players would probably overlook at much longer time controls.

The ratings for each chess computer is only estimated, and not official (except for the Super Constellation, which now has a certified USCF rating). Therefore, fluctuations in any published rating is likely to occur over time. It is far more important to rate computers (and humans too) within a limited range (by rule of thumb, approximately 50 points), than to believe that a single number is the one and only true rating a particular machine has. In other words, it is safe to assume that computers separated by less than 50 rating points, are not clearly distinquishable in terms of which is a better player.

The estimated ratings of each computer reflect, as close as possible, what the actual ELO rating would be based on a computer's performance at tournament level (40 moves in 2 hours). Speed or Blitz games do not count towards these ratings.

We have added and expanded CCR as part of our continuing effort to improve the quality and content of this publication, and we hope it provides you, our readers, with the most useful and timely analysis on computer chess games available anywhere.

When the next generation of upgraded programs and new models arrive on the market place, CCR will be there to evaluate each and every one, so that you, the consumer, may be better informed.

SOLUTIONS TO COVER PROBLEMS

Upper left corner: 1.Qf2!!   ef+   2.Kf2   Nb7+   3.Nb6   Qb6+
4.Rc5+ Qg6 5.Re5 mate.

Upper right corner: 1.N6f4 de 2.Qe6! fe 3.Nc5+ Kd4 4.N4e6+
4...Kc3 5.Na4 mate.
                       2...Qc6,b7   3.Ne5+
                       2...Qc5,Rb5 3.Nc5+
1...Nd3+ 2.Bd3+ Ke3 3.Nd5+ Kd3 4.Qh7+
4...f5 5.Qf5 mate.
1...Nf3+ 2.gf+ Kf3 3.Qh5+ Ke4 4.Qd5+
4...Ke3 5.Ng2 mate.

Lower left corner: 1.Nc3! Kc3 2.Ne5 Kd4 3.Qb4+ Ke5 4.f4+
4...Kf6 5.Qf8 mate.
1...Rh2 2.Kb3 Nf2 3.Qc2+   Ke3 4.Qc1+
4...Kd4 5.Nb5 mate.
1...Bf6 2.Qd1+ Kc3 3.Ra4 Bg5 4.Ra3+
4...Kd4 5.Qa4 mate.
4...Kb4 5.Qb3,a4 mate.
1...Rf5 2.Qd1+ Kc3 3.Ra4 Rf2+ 4.Rf2
4...Bg8 5.Qb3 mate.

Lower right corner: 1.Qd1!   Rd8!   2.Nf4   Bf8!   3.Bg5+   fg
4.Qd6+!   any   2.Nf5 mate.
                        2.Nh5 mate.
3...Kg5 4.Qh5+ Kf4 5.Qf5 mate.
1...Rb6 2.Nd4!   Rb3+ 3.Nb3 cb   4.Nf5+
4...Kg6 5.Qg4 mate.
1...cb   2.Ng3   b1N+ 3.Qb1 Rd6   4.Qc1+
4...Rd2 5.Qd2 mate.
                       3.Kb2   R   or   P+
4.Ka1,c1 any 5.Qh5 mate.
1...e4   2.Ng3   Rc5 3.N3f5+ Rf5   4.Nf5+
4...Kg6 5.Qg4 mate.

1st U.S. Open Computer Chess Championship

Mobile, Alabama June 21-23 1985

In what may be the strongest computer chess tournament ever held, the 1st U.S. Open Computer Chess Championship is likely to be remembered as another milestone in the continuing evolution of micro chess computers.

The six round Swiss tournament was open to all chess computers from mainframes to portables, with no restrictions of any kind placed upon the participating programs. This meant that there would be no distinction between commercial and experimental machines; a rule which greatly served to reduce much of the friction that has existed in previous tournaments between some of the competing commercial companies. This kind of friction is to be expected in tournaments for micro computers, where severe restrictions are placed on the type of hardware that a machine may have so that it can be truly called a "micro". Technicalities, ambigious rules, and verification problems, have all contributed in causing many heated disputes between officials of competing companies in the past. Now, by lifting all restrictions, nobody could be accused of cheating, since this tournament was open with "no holds barred". Fortunately, because of this policy, the tournament went very smoothly with everyone being friendly, lending to a light and sociable atmosphere.

The winner of the first U.S. Computer Championship, in an incredible upset, was none other than the Fidelity Elite Auto Sensory X C computer-- scoring a sensational 5 1/2 points out of a possible 6! This score is even more impressive when considering that the field of 18 included three "super" computers-- Belle, Bebe, and B 11 or Baby Belle, as well as the best new programs from all thhe other leading manufacturers.

Although all 18 contestants competed equally as a single group, most of the prizes were awarded according to the computer's characteristcs. A total of six prizes were handed out, with a seventh, unrecognized prize, going to the best commercial computer. Fidelity was the dominant company, winning 4 out of 5 awards. Here are the official results:

        Best Computer-- Elite A/S XC
        Best Dedicated Computer-- Elite A/S XC
        Best New Program-- Elite A/S XC
        Best Super Computer-- Bebe
        Best Personal Computer-- Fidelity P.C. X
        Upset Prize-- Bebe (Super Constellation X vs Bebe)
       *Best Commercial Computer-- Mephisto Modular
       *Best Overall Team-- Fidelity International (15 points)

Since this tournament was the first of its kind, and as experimental as most of its participants, the only prizes for the winners were simple, but beautiful, wall plaques. Large cash prizes were not necessary because the promotional value that the company of the winning computer(s) gains, is worth far more than even the largest of cash prizes offered by that great American chess philanthropist, Jose Cuchi, in any of his famous tournaments.

The significance of Fidelity's thorough victory must be particulary gradifing for them, since they did so poorly in a recent computer tournament in Europe, finishing last.

An important fact about this tournament is that it was the first "computer only" chess tournament ever officially sanctioned by the U.S. Chess Federation. And with continuing involvment by the U.S.C.F. and I.C.C.A. (International Computer Chess Association), chess computers are finally getting the attention they deserve.

As the date for the tournament approached, the early favorite was Belle. Had Cray Blitz been able to play, it certainly would have been the odds-on choice of the experts, but the operators of Cray Blitz were unable to get enough computer time for the weekend to play in all the rounds. They were, however, supposed to arrive for a few hours on Saturday, June 22, between rounds 3 and 4, to put on a small demonstration, but they never showed up. With Cray out, Belle was expected to face little opposition and possibly sweep the tournament. Bebe was the only other serious mainframe Belle had to compete against. She (Bebe) is a self-contained chess machine (Sys 10) programmed and operated by her creator, the honorable Tony Sdhrezer. Although it is one of the leading mainframe computers in the world, Bebe was still rated almost 250 points below Belle!

None of the 13 micros and 2 P.C.'s were thought to have any reasonable chance of upsetting Belle either, so it was quite a surprise to see a micro not only win this tournament, but go undefeated as well.

Round by Round

As the first round got under way, it became clear that the early favorites were not going to have everything their way. The first upset in the making was the Mephisto Modular vs Belle game. Although Belle did not lose, it marked the first time that Belle drew with a commercially available micro in a major tournament game. Mephisto played well, maintaining equality and reducing the game to a dead drawn K + P ending. One had a sence though, that Belle was like an aging warrior, battling it out against a bunch of whiz kids. Mychess II X held the eventual champion, Elite XC, to a mere draw in the only other surprise of round one.

Round 2 saw the first game between two machines from the

same company. Unfortunately, these match-ups were inevitable because with only six interests entering 18 computers in a six round Swiss, it was practically impossible to avoid pairing related machines unless the tournament director suddenly changed the guidelines for pairings in a Swiss event. Since this was not the case, these games were one of the side effects of running a new and experimental tournament. Another problem that had to be dealt with was that two-thirds of the computers were unrated, complicating certain pairings and color allocations. But the TD handled this situation with skill and fairness.

The first game between two computers from the same firm was Novag X vs Novag Y. Although both machines had similar programs, the Novag people felt the "X" vcersion was slightly better, and preferred its chances over the "Y" unit, but the Y version prevailed and went on to finish ahead of the Novag X. Many people have questioned the possibility of cheating by the computer operators when their own computers play each other. When these situations arise, the temptation to "rig" a game is great, partly because the rules allow it, and also to guarentee a winning score in that round for a more advanced model. For example, the rules for this tournament stipulated that the opertator(s) of a computer have the right to resign for their machine--regardless of the nature of the position. They may resign at any time during the game, and without having to explain why to the TD. the idea behind this rule was to shorten unnecessarily long endgames that most humans would not play out, such as totally hopeless end games that computers take forever to finish, or dead drawn endings that each side can agree upon instead of waiting for the computers to reach the 50 move rule. However, like almost any rule, it can be misused if not properly enforced. Most of the games involving two computers from the same company appeared to be conducted fairly and honestly, without any outside involment from the operators--who let the chips fall where they may regardless of which version they preferred.

There was one game in round 3 however, that has raised some doubts among people. The game in question is Fidelity Avante Garde vs Fidelity Elite XC. The ensuing Bishop and Pawn end game with the Avante Garde up a pawn (4 to 3), and the Bishops of the same color, was certainly no worse than a draw, and possibly a win for the Avante Garde. On move 36 Fidelity claimed a win on time for the Elite. This is surprising since no Fidelity computer, including the Avante Garde, was ever in serious time trouble during the entire tournament, except for this game. Something else to consider is that had the Avante Garde won, it probably would have had to play Belle in the next round--assuming of course that Belle would win against Novag Y, which instead turned out to be a draw. So looking at things before round 3, we see that an Elite XC win would help reduce the chance of being paired against Belle--at least for the next round.

Two further points must be mentioned regarding the Elite XC vs Avante Garde game, and those are: 1) there is no proof whatsoever that the game was not fairly contested, and that the Fidelity operators treated one machine any differently from the other; and 2) even if they did cause the Elite XC to win "unnaturally", they broke no rules in doing so, and could not be penalized even if they were to openly admit it. It would be considered unethical and unsportsmanlike, but not illegal.

Getting back to the tournament, the second round also featured an incredible game between the Elite XC and Mephisto Exclusive S. Mephisto was up a piece for a good part of the game, and had just forked the king and rook which would give it a rook + knight advantage when it decided to take 22 minutes to make the last move in the time control, even though it only had 20 minutes left on its clock! After spending all this time to make an obvious move, Mephisto finally made the move that would have brought it victory and dashed any hopes of the Elite to win the tournament; only it came two minutes too late.

The reason for this pathetic performance by Mephisto can probably be attributed to simple human error. Ossi Weiner, chief operator for the Mephisto team, and company rep from Germany, allowed only 15 minutes of user time for the operator, a capable but inexperienced substitute, of the Exclusive S. An experienced operator can usually get by with only 10-15 minutes of user time, but it is common to let new operators work with 20-25 minutes. Of course, this means setting the machine to play at a faster rate, therebyn slightly reducing its strength but being more confident of making the time control. And by taking the chance of over estimating the operator's skill, Mr. Weiner errored. Later on in the tournament, several bugs were discovered in the program of Mephisto S, the new 16 bit computer. However, none of them are believed to have had an effect in the Elite XC game.

In round 3 there were two notable games. The nicest one was Bebe's mercy killing of Super Constellation X. Incredibly, this game ended up winning the upset prize! Surely Super Constellation X is capable of upsetting Bebe once in a great while, but the lack of computers with current, well established ratings that reflect their true strengths, made this prize seem ridiculous.

The second notable game from the third round was Novag Y vs Belle. Things started out badly for Belle when a communications problem in New Jersey, where Belle was physically located, caused it to come within two minutes of losing by time forfeit! After Belle got its house back in order, it made its first move--only 58 minutes late. What should have been an elementary win that most 1500 players could carry out, turned out to be a 107 move torture for Belle. The game quickly settled into a R + P ending, and after a lot of maneuvering, Belle was up three pawns to none with a rook on each side. But all three pawns were isolated, and apparently Belle's heuristics prevented it from carrying out the

proper technique to win, and had to settle for a draw instead.

Entering modified computers in this tournament was, of course, perfectly legal. Fidelity ran all three of their micros with the circuit boards outside the computer' housings, completely exposed to the air conditioner which might cool off a slightly hot processor--maybe 6 or 7 MHz.? There have been rumors that Fidelity was using two processors in some of their computers, which if true, would technically disqualify them as being classified as micro computers. But who's counting? And besides, all the exposed chips were covered by some carefully placed labels so as not to be able to tell what kind of chip it was. No doubt that Novag, Mephisto, and SciSys had also greatly suped up their machines far beyond any commercial means for this tournament. But since this is all known in advance, and everyone has an equal opportunity to better their chances, no one should claim to be at a disadvantage.

Elite XC vs Super Constellation X was the big match of round four. The game lasted almost 8 hours til after 2:30 AM, and the position became very complicated with the Elite squeezing out the win with two rooks against a queen in 94 moves.

Belle must have still been rattled from the previous round, because it put on a near repeat performance on how not to win an easily won R + P end game. This time with two passed pawns against Elite XA.

Little was expected from the smallest "mainframe", B 11, an older version of Belle, and nicknamed "Baby Belle". Yet, to end up in last place with only a half point exemplified the overall strength of the field. In this round, even the old Mychess II program unning on an accelerated Apple II+ handily defeated the more ancient B 11.

On the last day of the tournament, tension mounted as only two computers, Bebe and Elite XC were tied for the lead with 3 1/2 points. Thus, the stage was set for another dramatic game between a mainframe and a super charged micro.

The Elite XC - Bebe game clearly demonstrated the power of the bishop pair when they are free to operate on an open board. Bebe's lone rook was no match for white's forces, and eventually it had to sacrifice itself to stop a queening pawn.

Also in round five, Novag Y won a big game against Mephisto Modular, the only commercial computer in the tournament that was a stock model now on the market in the U.S. The win placed Novag Y as a finalist with a chance to win best computer.

The sixth and final round saved the best for last as Novag Y faced off against Elite XC. Fidelity's finest was simply brutal in its execution of Novag. It ended with the Elite announcing a mate in five on the 49th move. The tournament was over. The Elite XC was crowned champion, putting to rest any doubts as to whom was #1.

The other games from the sixth round were of little

importance, but there were a couple of fine games worth reviewing.

The long awaited showdown between the two top mainframes finally took place. The Belle - Bebe game was supposed to be the highlight of the tournament, and the expected final round game for first place. But fate took a different turn for the two Goliaths, and they had to settle for the consolation game. Nevertheless, both machines played superbly, and displayed plenty of "muscle flexing" by peforming very deep ply searches in the end game. Bebe's exchange sacrifice on move 65 was well thought out, and calculated to a point far beyond the reach of any present day micro computer at tournament time controls.

The author would like to express his graditude to all the people involved who help make the 1st U.S. Open Cmputer Chess Championship a very successful and enjoyable event for all those who attended. Special thanks go out to the TD, Jack Mallory, and assistant TD, Tom Denton, for their gracious hospitality and dedicated work in running this tournament. And to the President of the Mobile Chess Club, Mercon Weeks, and his members for helping out with volunteers to assist in organizing this event. Additional thanks to the sponsors who made the tournament possible: The University of South Alabama - Division of Computer and Information Sciences, the Student Chapter of ACM, and the Sapple Computer Club. And finally, much of the credit for getting this tournament off the ground, and bringing big time computer chess to Mobile Alabama, goes to Max D. Harrell Jr., the man who initiated this event.

SciSys operator Max Harrell (seated left) discusses Turbo Kasparov - Mephisto Exclusive S game (Round 3) with Mephisto operator, Newton Grant.

Fidelity operators demonstrate how Elite XA wins in a sleeper over Novag X in round 3 action.

Fidelity operator Joe Cropper (seated right) makes move for Avante Garde in game against Mephisto Modular as Mephisto operator, Ossi Weiner responds.

Novag Programmer Dave Kittinger watches his Quattro get trounced by Tony Scherzer's Bebe, as Fidelity's President, Sid Samole looks on in amusement.

Sid Samole (cap) watches intently as his Elite XC battles Novag Y in the critical last round game that won the championship for Fidelity.
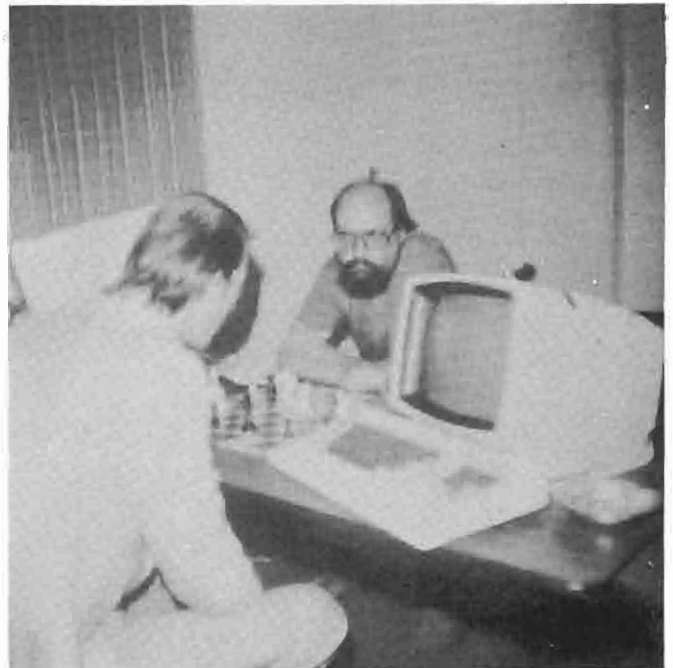
Ken Thompson seems to be trying to psych-out Tony Scherzer in the battle of the titans--Bebe vs Belle. Both early favorites, now just playing for pride after Elite XC clinched 1st place.

The Fidelity team displaying their 4 awards after defeating Novag Y, concluding their most successful tournament ever.

Tournament Director Jack Mallory presents 1st place plaque to Fidelity's chief honcho, Sid Samole.

ELITE A/S - 'C' (4.0)

machine - wood construction
board - inlaid nutwood
 Ieces - 3 3/8" king (variable) wood
size - 19" x 18" x 1 1/2"
board size - 1 3/4" squares
magnetic (auto) sensitive
no battery capacity
lights on each square

Available Options:

 a)Printer
 b)CB-9 Module
 c)CB-16 Module
 d)Tarrasch defense module
 e)64 greatest games module
 f)ECO modules - A thru E
 g)carrying case

SUPER CONSTELLATION

plastic and brushed aluminum
board color - silver/beige
machine color - dark grey
pieces - 2" king (plastic)
 ;ize - 12" x 9 3/4" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 6 to 8 hrs.
lights on coordinates

Available Options:
 a)quartz chess clock
 b)printer
 c)a/c adapter
 d)carrying case

CONCORD

Plastic construction
board color - silver/black
machine color - black
size - 9 1/4" x 11 1/4" x 3/4"
board size - 1" squares
pressure sensitive
pieces 2" king (metal)
batteries 4 'AA' will last 60 to 80 hrs

Available Options:
 a/c adapter

Mephisto Modular

Plastic construction
board color - silver/black
machine color - black
size - 12" x 14" x 1 1/4"
magnetic (auto) sensory board
board size - 1 1/8" squares
pieces - 2 3/8"
batteries - 5 'C' will last 7 to 10 hours
lights on each square

Available Options:

 a)a/c adaptor
 b)carrying case

Mephisto Exclusive

machine - wood construction
board - inlaid walnut
pieces - 3" king (wood)
size - 17" x 17" x 1 1/2"
board size - 1 5/8" squares
magnetic (auto) sensory board
batteries - 5 'C' will last 7 to 10 hours
lights on each square

Available Options:

 a)a/c adaptor
 b)carrying case

EXPLORER

plastic construction
board color - black/grey
machine color - grey/red
pieces - 3/8" king (plastic)
size - 7 1/2" x 4 1/2" x 1"
board size - 3/8" squares
pressure sensitive
batteries - 3 'AA' will last 60 to 80 hrs.
lights on coordinates

Available Options:
 NONE

Auto-Response   Board

 machine - wood construction
 board - inlaid walnut and maple
 pieces - 3 3/4" king (variable) wood
 size - 21" x 21" x 3 1/8"
 board size - 2" squares
 magnetic (auto) sensory board
 batteries - 5 'C' will last 7 to 10 hours
 lights on every square

 Availablem Options:
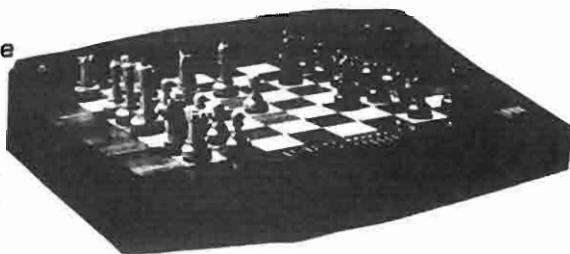
 a)a/c adaptor
 b)carrying case

CONSTELLATION 3.6

plastic and brushed aluminum
board color - silver/beige
machine color - black
pieces - 2" king (plastic)
size - 12" x 9 3/4" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 6 to 8 hrs.
lights on coordinates

available options:
 a)a/c adapter
 b)carrying case

Turbostar 432

plastic construction
board color - grey and black
machine color - grey
pieces - 2" king (plastic)
size - 14 1/2" x 9 1/2" x 1 1/4"
board size - 1" squares
pressure sensitive
batteries - 6 'C' will last 10 - 12 hours
lights on coordinates

Available option:
a/c adaptor
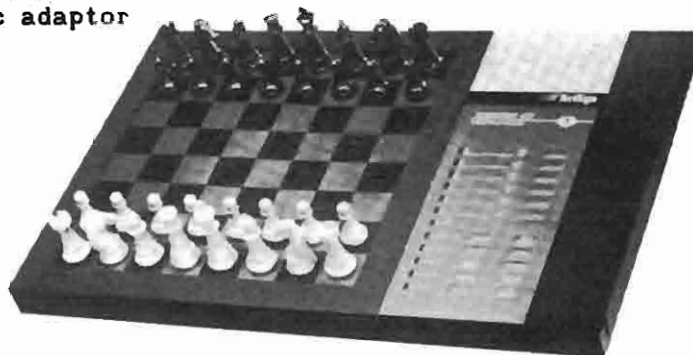
Sensory 12-X (5.0)

aluminum top - wood (walnut) border
board size - 1 1/4" squares
pressure sensitive
no battery capacity
lights on coordinates

size - 14 1/4" x 14" x 1 3/4"
board size - 1 1/4" squares
pressure sensitive
no battery capacity
lights on coordinates

Available Options:

 a)Printer
 b)CB-9 Module
 c)CB-16 Module
 d)Tarrasch defense module
 e)64 greatest games module

$$R_p = R_c + \frac{400(w-L)}{N}$$

COMPUTER CHESS RESULTS
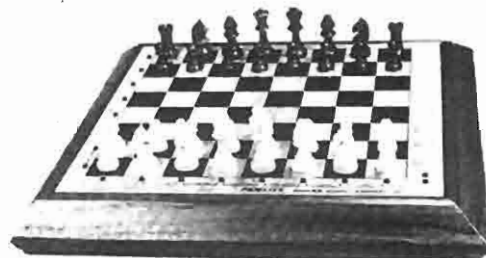
The 1985 U.S. Open Championship not only included many humans but also four computer chess machines. Please be advised that none of these units are currently available, and even if units are marketed with similar names, that is absolutely NO assurance that you are getting the same program and microprocessor speed of the unit that actually performed. After the name of the chess computer may be found the Reports' estimate of the speed at which the unit was running:

SCISYS TURBOSTAR KASPAROV 4 MHz	FIDELITY ELITE XC 10 MHz	SCISYS TURBOSTAR 640 6 MHz	FIDELITY EXCELLENCE 8 MHz
WINS	*WINS*	*WINS*	*WINS*
Hankin (2257)	Morales (Unr)	Ausustin (2071)	Pancoast (1190)
Chalker (2124)	Burkett (1729)	Callaway (1871)	Fessler (1529)
Colby (2023)	Hard (1666)	Prisbrey (1936)	Goshen (2041)
Fernandez (2060)	Bason (2000)	Boyer (1894)	Mesa (Unr)
Wiewel (2069)	Cornwall (2234)	Elliot (1910)	Bianclana (2055)
Dondis (2011)	Marfia (2141)		Cornwall (2234)
	Marchano (2212)	*LOSES*	
LOSES		Fernandez (2060)	*LOSES*
Rizzitano (2124)	*LOSES*	Eastwood (1943)	Groszek (1983)
Cotton (2061)	Small (2295)	Weeramantry (2373)	Walsh (2209)
Hoog (2025)	Benedicto (2209)	Magnuson (1910)	Romanenko (2014)
Sills (2128)	Cruz (1733)		
Mirijanian (2110)	Burnett (2350)	*DRAWS*	*DRAWS*
	Nethoriot (2209)	Lucente (2115)	Cuscito (1764)
DRAWS		Nash (1945)	Holt (1921)
Groszek (1983)		Tolstein (1888)	Yehl (2072)

Estimated Provisional (2151)	Estimated Provisional (2090)	Estimated Provisional (2050)	Estimated Provisional (1976)

2114   2114   2026   2001

2028/18   2078/18   1914/18   2047   USCF Post Tour

SELECTED COMPUTER CHESS GAMES FROM THE 1985 U.S. OPEN

Round 1
White: Turbo Kasparov (1738)
Black: Jerry Hanken (2253)

```
1.d4    c5   2.dc   e6   3.b4   a5   4.Ba3   ab   5.Bb4   b6    6.e4    bc
7.Bc3   Nf6  8.e5   Nd5  9.Nf3  Nc3  10.Nc3  Qa5  11.Qd2  Bb7
12.Nb5  Nc6  13.Bc4 Nd4  14.Nfd4 cd  15.Qa5  Ra5  16.O-O  Be4
17.Racl Bc5  18.c3  d3   19.Rb1  O-O 20.Rfel  Bg6  21.Rb2  Rc8
22.Rd1  Rb8  23.Rdbl h6   24.Nd6 Rb2  25.Rb2  Ra3  26.h4    Rc3
27.Ba6  Rc2  28.Rb8+ Kh7  29.h5  Rcl+ 30.Kh2  Bh5  31.Bd3+  Bg6
32.Bg6+ Kg6  33.Rc8  f6   34.Rc7 fe   35.Ne4  Ba3  36.Rd7   Rc2
37.Ra7  Ra2  38.Nc5  e4   39.Ra6 Kf5  40.Ne6  Rf2  41.Ng7+  Kf4
42.Ra3  e3   43.Nh5+ Ke4  44.Kgl Rd2  45.Ra6  Rdl+ 46.Kh2   Kd3
47.Ng3  e2   48.Ra3+       1-0
```

White: A. Gomez (2071)
Black: Turbostar 640 (1587)

```
1.e4    e5   2.Nc3  Nc6  3.a3   Be7  4.Nf3   d6   5.d4    Bg4   6.d5    Bf3
7.gf    Nb8  8.Bb5+ c6   9.dc   bc   10.Ba4  Nf6  11.Rgl  O-O   12.Bh6
Ne8     13.Qe2 f5   14.Qc4+ Kh8  15.Bd2  Qb6  16.Bb3  Bh4   17.O-O-O
fe      18.Be3 d5   19.Nd5  cd   20.Qd5  Qc6  21.Qa5  Qf6   22.Bc5  Nc6
23.Qel  Qf4+ 24.Kbl  Be7  25.Be7 Ne7  26.Qb4  Ng6   27.Qb7  Nf6
28.fe   Ne4  29.Qd5  Nf2  30.Rdfl Rad8 31.Qb7  a5    32.Bd5  Qh2
33.Rg2  Qh4  34.Bf7  Qe4  35.Qb6 Qg2  36.Rf2  Qgl+  37.Kh2  Rd2
38.Bg6  Qf2       0-1
```

White: Elite XC (2009)
Black: P. Morales (unr)

```
1.e4    c5   2.Nf3  d6   3.d4   cd   4.Nd4   Nf6  5.Nc3   a6    6.f4    Nc6
7.Nc6   bc   8.e5   Nd7  9.Bc4  d5   10.Nd5  cd   11.Qd5  Nb6   12.Qf7+
Kd7     13.Be3 Nc4  14.O-O-O Nd6    1-0
```

White: R. Chalker (2124)
Black: Turbo Kasparov (1738)

```
1.e4    e5   2.Nf3  Nf6  3.Ne5  d6   4.Nf7   Kf7  5.d4    Ne4   6.Qh5+
g6      7.Qd5+ Kg7  8.Qe4  Nc6  9.d5  Bf5  10.Qc4  Ne5   11.Qc3  Kg8
12.Be2  Be4  13.O-O  Bd5  14.Be3 Bg7  15.Qd2  c6   16.Na3  Qe7
17.c4   Be4  18.Radl Nf7  19.Rfel Qe5  20.Bd4  Qd4  21.Qd4  Bd4
22.Rd4  Bf5  23.g4  Be6  24.Bdl Re8  25.R4e4  Nd8  26.Nc2  a5
27.Nd4  Kf7  28.Nf3  d5   29.Rf4+ Kg7  30.cd  Bd5  31.Kfl  Ba2
32.Ra4  Be6  33.Ng5  Bd5  34.Re8 Re8  35.Ra5  Bc4+ 36.Kg2  Rel
37.Bf3  Rbl  38.Ra8  Nf7  39.Ne4  Rb2  40.Re8  Bd5  41.Re7  Rb4
42.Nd6  Kf6  43.Rb7  Rg4+ 44.Kh3  Nd6  45.Bd5  Nb7  46.Bc6  Rb4
47.Kg3  Rb2  48.f3  Nc5  49.Ba8  Ke5  50.Bc6  Nd3    0-1
```

US Open Computer Chess Championship

Mobile, Alabama
June 21-23, 1985

	rate	1	2	3	4	5	6	total		USCF
1 Fidelity Elite XC	UNR	17=■	15+□	6+■	9+□	2+□	3+■	5½	3½	2173/6
2 Bebe	1948	12+□	4+■	9+■	3=□	1-■	5+■	4½		2040
3 Novag Y	UNR	18+□	14+■	5=□	2=■	7+□	1-□	4	3	2082/6
4 Novag Quattro X	UNR	10+□	2-□	11+■	7-■	17+□	8+□	4		2065/6
5 Belle	2195	7=■	17+□	3=■	8=□	6+■	2-□	3½	5½	2165
6 Fidelity Avante Garde	UNR	15=■	7+□	1-□	10+■	5-□	12+■	3½	4½	?
7 Mephisto Modular	UNR	5=□	6-■	17+■	4+□	3-■	9+□	3½		1717/6
8 Fidelity Elite XA	UNR	9-■	16+□	14+□	5=■	12+□	4-■	3½	2½	?
9 Novag Super Con X	2018	8+□	11+■	2-□	1-■	14+□	7-■	3		?
10 Turbostar Comp X	1978	4-■	12=□	13=■	6-□	16+■	14+□	3		?
11 Mephisto Modular S	UNR	16+■	9-□	4-□	14-■	18+□	13+□	3		?
12 Turbo Kasparov	UNR	2-■	10=■	15+□	13+□	8-■	6-□	2½		?
13 Fidelity PC X	UNR	14-□	18+■	10=□	12-■	15+□	11-■	2½		1710/6
14 Novag X	1897	13+■	3-□	8-■	11+□	9-■	10-■	2		1834
15 Mephisto Exclusive S	UNR	6=□	1-■	12-■	16=□	13-■	18+□	2	3	1610/6
16 Turbo 640	UNR	11-□	8-■	18=□	15=■	10-□	17+■	2		?
17 Mychess II X	1810	1=□	5-■	7-□	18+■	4-■	16-□	1½		1779
18 B11	UNR	3-■	13-□	16=■	17-□	11-■	15-■	½		1386/6

Round 1
June 21, 1985

Mephisto Modular — Belle
D35/16 08 Q:b6

1 Nf3 d5 2 c4 e6 3 d4 c6 4 Nc3 Nf6 5 cxd5 exd5 6 Bg5 Bf5 7 Qb3 Qb6 8 Qxb6 axb6 9 Bxf6 gxf6 10 e3 b5 11 Nh4 Bc2 12 Rc1 Bg6 13 Nxg6 fxg6 14 a3 b4 15 axb4 Bxb4 16 Be2 Ra2 17 b3 Rf8 18 Bf3 Ra3 19 O-O Rxb3 20 Ne2 Bd6 21 g3 Kf7 22 Rb1 Rb4 23 Rxb4 Bxb4 24 Ra1 Na6 25 e4 dxe4 26 Bxe4 Re8 27 Bd3 f5 28 Ra4 Bd2 29 Bc4† Kf6 30 Ra2 Bb4 31 Nf4 Nc7 32 Rb2 Bd6 33 Rxb7 Bxf4 34 gxf4 Ne6 35 Bxe6 Rxe6 36 Rb6 Ke7 37 f3 Kd6 38 Kf2 Kd5 39 Rb4 Re7 40 h4 Ra7 41 Kg3 h5 42 Rb8 Rd7 43 Rb2 Re7 44 Rd2 Re1 45 Rc2 Rd1 46 Rc5† Kd6 47 Rc4 Ra1 48 Kg2 Ra2† 49 Kg3 Ra6 50 Rb4 Kd5 51 Rb7 Ra1 52 Rd7† Kc4 53 Rd6 c5 54 dxc5 Kxc5 55 Rd7 Ra6 56 Rd8 Rd6 57 Rxd6 Kxd6 58 Kf2 Kc5 59 Ke3 Kc4 60 Kd2 Kd4 61 Ke2 Kc3 62 Ke3 Kc2 63 Ke2 Kc1 64 Ke1 ½-½

Novag Super Con X — Fidelity Elite XA
A02/01 02 Nf3

1 f4 Nc6 2 Nf3 g6 3 e4 e6 4 e5 f6 5 d4 d6 6 exf6 Nxf6 7 Be2 Bg7 8 O-O O-O 9 Nc3 Nd5 10 Nxd5 exd5 11 c3 Qe7 12 Bd2 Bf5 13 Re1 Be6 14 Ng5 h6 15 Nxe6 Qxe6 16 Bg4 Qf6 17 Qb3 Nxd4 18 cxd4 Qxd4† 19 Be3 Qxb2 20 Qxd5† Kh7 21 Rab1 Qc3 22 Re2 Rae8 23 Bd2 Qd4† 24 Qxd4 Bxd4† 25 Kf1 Rxe2 26 Kxe2 b6 27 Kd3 c5 28 Re1 Kg7 29 Re6 Rf6 30 Re8 Rf8 31 Rxf8 Kxf8 32 f5 h5 33 Bf3 gxf5 34 Bxh5 Be5 35 g3 Ke7 36 Kc4 a6 37 a4 Ke6 38 Bf3 Bd4 39 Bc6 Nf6 40 Bb7 b5† 41 axb5 axb5† 42 Kxb5 Be5 43 Kc4 Ke7 44 Bc6 Ke6 45 Bd5† Kf6 46 Be3 Ke7 47 Bc6 Ke6 48 Bf3 Bf6 49 Bd5† Ke7 50 Bg8 Be5 51 Bg5† Kd7 52 Bf7 Bd4 53 Kd5 Bg1 54 h4 Kc7 55 Bf4 Kb6 56 Kxd6 Kb5 57 h5 c4 58 Kd5 Bf2 59 h6 c3 60 h7 1-0

Novag Quattro X — Turbostar Comp X
A32/13 08 a3

1 c4 c5 2 Nf3 Nf6 3 d4 cxd4 4 Nxd4 e6 5 Nc3 Bb4 6 Ndb5 d5 7 cxd5 exd5 8 a3 Bxc3† 9 bxc3 O-O 10 e3 Nc6 11 Be2 a6 12 Nd4 Qa5 13 Bd2 Ne4 14 Nb3 Qb6 15 O-O Bf5 16 Nd4 Nxd4 17 cxd4 Qb2 18 Bb4 Nc3 19 Bxc3 Qxc3 20 Bf3 Bd3 21 Re1 Rfd8 22 a4 Rac8 23 Rc1 Bc2 24 Qe2 Qb4

25 Ra1 Bxa4 26 Reb1 Bb3 27 Qb2 Qb5 28 Qa3 Rc3 29 Bd1 Bc2 30 Rxb5 Rxa3 31 Rxa3 Bxd1 32 Rxb7 Be2 33 h3 Kf8 34 f3 Bc4 35 Kf2 Rc8 36 Rc3 g6 37 Ra7 Kg7 38 Ke1 Kf6 39 Kd2 Ke6 40 Rc1 h6 41 Ra1 Rb8 42 Kc2 h5 43 Ra3 h4 44 Ra5 Bf1 45 Ra1 Bc4 46 Ra3 Bf1 47 Ra5 f6 48 Ra1 Rc8† 49 Kd2 Bb5 50 Rc1 Bc4 51 Rb1 Bb5 52 Ra1 g5 53 Rc1 Rb8 54 Rcc7 Re8 55 Rcb7 Kf5 56 Rf7 Bf1 57 Rfd7 Ke6 58 Rdb7 Bg2 59 Rxa6† Kf5 60 Ke2 Bh3 61 Rbb6 Rf8 62 Rd6 Kg6 63 Kf2 Rf7 64 Rxd5 g4 65 fxg4 Bxg4 66 Rd8 Bd1 67 Rh8 Kg5 68 Raa8 Bh5 69 e4 Bg6 70 Kf3 f5 71 e5 Bh5† 72 Kf2 Re7 73 Rag8† Bg6 74 Kf3 Rd7 75 Rd8 Rb7 76 Rb8 Ra7 77 d5 Ra3† 78 Kf2 Kf4 79 e6 Ra2† 80 Ke1 Ra1† 81 Ke2 Ra2† 82 Kd3 Ke5 83 Rbg8 Ra3† 84 Kc4 Ra4† 85 Kb5 Rd4 86 Rxg6 Rxd5† 87 Kc4 Rd4† 88 Kc3 Rd6 89 e7 Rxg6 90 e8Q† Re6 91 Qb8† Kd5 92 Qb5† Kd6 93 Qb6† Ke7 94 Qd8† Kf7 95 Rh7† Kg6 96 Qg8† Kf6 97 Qg7# 1-0

Bebe — Turbo Kasparov
C43/03 06 O-O

1 e4 e5 2 Nf3 Nf6 3 d4 Nxe4 4 Bd3 d5 5 Nxe5 Nd7 6 O-O Nxe5 7 dxe5 Nc5 8 Be3 Be7 9 Bxc5 Bxc5 10 Qh5 g6 11 Qh6 Qe7 12 Nc3 Be6 13 Na4 Bd4 14 Qf4 Qb4 15 c3 Qxa4 16 Qxd4 Qxd4 17 cxd4 Rc8 18 Rac1 Kd7 19 f4 Rhf8 20 f5 gxf5 21 Bxf5 Bxf5 22 Rxf5 Rce8 23 Rcf1 Re7 24 Rh5 Rh8 25 Rf6 a6 26 b4 c6 27 Rfh6 a5 28 bxa5 Ra8 29 Rxh7 Rxa5 30 Rf5 Ke8 31 Rh8† Kd7 32 Rb8 Rb5 33 Rf6 Rb2 34 a3 Rb1† 35 Kf2 Rb2† 36 Kg3 Rb1 37 h4 Rb3† 38 Kh2 Kc7 39 Rf8 Rxa3 40 R8xf7 Kd8 41 g4 Rd3 42 Rxe7 Kxe7 43 Rf4 b6 44 h5 c5 45 h6 Ra3 46 h7 Ra5 47 g5 c4 48 Kg3 c3 49 Rf1 c2 50 g6 Ra3† 51 Kg4 Rd3 52 h8Q Rxd4† 53 Kg5 1-0

Fidelity PC X — Novag X
B90/01 06 a4

1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 a4 g6 7 Be2 Bg7 8 O-O Nbd7 9 Be3 O-O 10 f3 Ne5 11 Qd2 d5 12 exd5 Nxd5 13 Nxd5 Qxd5 14 Nf5 Qxd2 15 Nxe7† Kh8 16 Bxd2 Be6 17 Rfd1 Bc4 18 Bxc4 Nxc4 19 Bc3 Bxc3 20 bxc3 Rfd8 21 Kf2 Kg7 22 Rd4 Na5 23 Rad1 Re8 24 Rd7 Rab8 25 Nd5 Nc4 26 Rb1 b6 27 Nc7 Rec8

28 Re1 Kg8 29 Ree7 Rf8 30 Nxa6 Ra8 31 Ra7 Rfd8 32 Kg3 Rxa7 33 Rxa7 Rd2 34 Nb4 Ne3 35 f4 Kg7 36 Rb7 Nxg2 37 Rxb6 Ne3 38 h4 Nf5† 39 Kh3 Rf2 40 Nd5 Rxc2 41 Rb1 Rd2 42 c4 Rd3† 43 Kg2 Nxh4† 44 Kf2 Nf5 45 Rb6 Rd4 46 Rc6 h5 47 a5 h4 48 a6 h3 49 Ke2 h2 50 Ne3 Ng3† 51 Kf3 h1Q† 52 Kxg3 Qg1† 53 Kf3 Rd3 54 Re6 fxe6 55 Ke2 Rxe3† 56 Kd2 Qf2† 57 Kc1 Re1# 0-1

Mychess II X — Fidelity Elite XC
B23/03 03 Bb5

1 e4 c5 2 Nc3 e6 3 Bb5 a6 4 Bf1 d5 5 Nf3 dxe4 6 Nxe4 Nc6 7 d3 Nf6 8 Be2 Nxe4 9 dxe4 Qxd1† 10 Bxd1 Bd6 11 Bd2 O-O 12 O-O Bd7 13 Be2 Nd4 14 Nxd4 cxd4 15 c3 e5 16 cxd4 exd4 17 f4 Be7 18 Bf3 Rac8 19 Rac1 Bb5 20 Rfd1 b6 21 e5 d3 22 Be3 Bc5 23 Bxc5 Rxc5 24 Rxc5 bxc5 25 b3 Rd8 26 Kf2 c4 27 bxc4 Bxc4 28 Be4 f6 29 Ke3 Re8 30 Bxd3 Bxd3 31 Rxd3 fxe5 32 f5 Rc8 33 Rd5 Rc2 34 Rxe5 Rxg2 35 Ra5 Rxh2 36 Rxa6 h5 37 a4 h4 38 a5 Ra2 39 Ra8† Kh7 40 Ra7 Kh6 41 Ra6† Kg5 42 Ke4 Re2† 43 Kf3 Re5 44 f6 gxf6 45 Ra7 f5 46 a6 Ra5 47 Kg2 Ra3 48 Kh2 f4 49 Rg7† Kf6 50 Rh7 Ke5 51 a7 Kf5 52 Kg2 h3† 53 Kh2 Ke6 54 Rc7 Kd6 55 Rf7 Ke5 56 Rd7 Kf6 57 Rb7 Kg6 58 Rc7 Kh6 59 Re7 Kg5 60 Rf7 Kh5 61 Rg7 Kh4 62 Rh7† Kg4 63 Rg7† Kh5 64 Re7 Kh6 65 Rc7 Kg6 66 Re7 f3 67 Kxh3 Kf6 68 Rc7 f2† 69 Kg2 Ra2 70 Rd7 Ke6 71 Rc7 Kd6 72 Rf7 Ke5 73 Rd7 Kf6 74 Rb7 Kg5 75 Rf7 Kg6 76 Re7 Kf5 77 Kf1 Kf6 78 Rc7 ½-½

Novag Y — B11
D85/11 08 Be3

1 d4 Nf6 2 c4 g6 3 Nc3 d5 4 cxd5 Nxd5 5 e4 Nxc3 6 bxc3 Bg7 7 Nf3 c5 8 Be3 Qa5 9 Qd2 Nc6 10 Rc1 cxd4 11 cxd4 Qxd2† 12 Kxd2 Bd7 13 d5 Ne5 14 Rc7 Nxf3† 15 gxf3 b6 16 Bf4 Bd4 17 Kg3 h5 18 h4 b5 19 Rb7 a6 20 Bh3 Bxh3 21 Rxh3 Rc8 22 Kd3 Bg7 23 Bc7 Ra8 24 f4 Rc8 25 Rf3 f5 26 exf5 gxf5 27 Be5 Bxe5 28 fxe5 Rd8 29 Kd4 Rh6 30 Rg3 Kf8 31 Rc7 b4 32 Kc5 e6 33 d6 b3 34 axb3 Rb8 35 d7 Rh8 36 Kd6 Rb6† 37 Rc6 Rxc6† 38 Kxc6 Ne7 39 Rg7† Kf8 40 d8Q† Kxg7 41 Qe7† Kh6 42 Qxe6† Kg7 43 Qd7† Kg8 44 e6 Rh6 45 Qf7† Kh8 46 Qf8† Kh7 47 Qxf5† Rg6 48 Kd5 Kh6 49

e7 Rg8 50 Ke6 a5 51 Qf4† Kg7 52 Qf7†
Kh8 53 Kf6 Rg6† 54 Qxg6 a4 55 e8Q#
1–0

Mephisto Exclusive S — Fidelity Avante Garde
A28/12 06. Bc5

1 c4 e5 2 Nc3 Nc6 3 Nf3 Nf6 4 e3 Bb4 5
Qc2 O–O 6 Nd5 Bc5 7 Bd3 g6 8 a3 a5 9
b3 d6 10 Bb2 Bg4 11 Nxf6† Qxf6 12 Be4
Kg7 13 O–O Rh8 14 h3 Bxf3 15 Bxf3 h5 16
d3 Bb6 17 Qc3 Qf5 18 Rac1 Qg5 19 Bd5
h4 20 Rcd1 a4 21 b4 Rhb8 22 Bxc6 bxc6 23
c5 dxc5 24 Qxe5† Qxe5 25 Bxe5† f6 26 Bc3
cxb4 27 axb4 a3 28 Rd2 a2 29 Ra1 Ra3 30
Bb2 Ra4 31 Rc2 c5 32 bxc5 Bxc5 33 Rxc5
Rxb2 34 Rxc7† Kf8 35 Rcc1 Ke7 36 Kf1
Rab4 37 Ke1 Rb1 38 Kd2 R4b2† 39 Kc3
Rb3† 40 Kd2 R3b2† 41 Kc3 Rb6 42 Kd2
R6b2† ½–½

Turbo 640 — Mephisto Modular S
B22/15 05. Nf6

1 e4 c5 2 c3 d5 3 exd5 Qxd5 4 d4 e6 5 Nf3
Nf6 6 Be3 cxd4 7 Bxd4 Nc6 8 Qa4 Be7 9
Bb5 Bd7 10 Bxf6 Bxf6 11 O–O a6 12 Bc4
Qc5 13 Be2 O–O 14 Rd1 Rfd8 15 Qe4 e5
16 Nbd2 Be6 17 c4 Qb4 18 Qc2 h6 19 Ne4
Be7 20 a3 Qb6 21 b4 Qc7 22 c5 Rxd1† 23
Rxd1 Rd8 24 Rxd8† Qxd8 25 Ned2 Nd4
26 Qe4 Nxe2† 27 Qxe2 f6 28 c6 bxc6 29
Qxa6 Qd5 30 Qb6 c5 31 b5 Bd8 32 Qa6
e4 33 Ne1 Bc7 34 Nf1 Bf4 35 Ne3 Bxe3 36
fxe3 Kf7 37 g3 c4 38 b6 Qd2 39 Qb7† Kg6
40 Qxe4† Bf5 41 Qe8† Kh7 42 Nf3 Qd1†
43 Kf2 Qc2† 44 Kg1 Bh3 45 Ne1 Qe2 46
Qe4† f5 47 Qxf5† Bxf5 0–1

Round 2
June 21, 1985

Mephisto Modular S — Novag Super Con X
A28/09 07 Bd3

1 c4 e5 2 Nc3 Nf6 3 Nf3 Nc6 4 e3 Be7 5
d4 exd4 6 Nxd4 O–O 7 Bd3 d5 8 cxd5
Nxd4 9 exd4 Bb4 10 O–O h6 11 Qb3 Bxc3
12 bxc3 Nxd5 13 Ba3 Re8 14 Rfe1 Be6 15
Qc2 Nf4 16 Bh7† Kh8 17 Be4 Bd5 18 Bc1
Nxg2 19 Kxg2 f5 20 f3 fxe4 21 fxe4 Qh4 22
Qf2 Qg4† 23 Qg3 Rxe4 24 Qxg4 Rxg4† 25
Kf1 Rf8† 26 Ke2 Re8† 27 Be3 Bc4† 28
Kd1 Rg2 29 h4 Bd5 30 Rb1 Rxa2 31 Bd2
Bf3† 32 Kc1 Re4 33 Rxe4 Bxe4 34 Rb3
Rc2† 35 Kd1 a5 36 Ra3 b6 37 Bf4 c6 38

Bc7 Rb2 39 Kc1 Rb5 40 Kd2 Kg8 41 c4
Rb4 42 Re3 Bg2 43 Rc3 Kf7 44 Rg3 Be4
45 Kc3 b5 46 cxb5 Rxb5 47 Rg4 Bf5 48 Rg1
a4 49 Ra1 Rb3† 50 Kc4 Bd3† 51 Kc5 Ke6
52 Kxc6 Be4† 53 Kc5 Rc3† 54 Kb6 Rc6†
55 Kb5 Rxc7 56 Rxa4 Bc6† 57 Kb6 Bxa4
58 Kxc7 g6 59 Kd8 Kd6 60 Kc8 Kd5 61
Kd8 Kxd4 62 Ke7 g5 63 hxg5 hxg5 64
Kd6 g4 65 Ke6 g3 66 Kf5 g2 67 Ke6 g1Q
68 Kf6 Qg4 69 Kf7 Ke5 70 Ke7 Qg7† 71
Kd8 Qd7# 0–1

Novag Quattro X — Bebe
B71/08 08. O–O

1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5
Nc3 g6 6 f4 Nbd7 7 Be2 Bg7 8 O–O O–O
9 Bf3 Qb6 10 Kh1 a6 11 f5 Ne5 12 Be2
Bd7 13 Rb1 Nc6 14 Nxc6 Bxc6 15 Bd3
Qc5 16 Qe1 b5 17 a3 d5 18 e5 Ng4 19 Bf4
d4 20 Ne4 Qd5 21 fxg6 fxg6 22 Qh4 Nxe5
23 Qxe7 Rae8 24 Qb4 Nxd3 25 cxd3 Qf5
26 Nd6 Qxd3 27 Nxe8 Rxf4 28 Rfe1 Bxg2†
29 Kg1 Bc6 0–1

Novag X — Novag Y
C36/12 08. Kf8

1 e4 e5 2 f4 exf4 3 Nf3 d5 4 exd5 Nf6 5
Bb5† c6 6 dxc6 Nxc6 7 d4 Bd6 8 Qe2† Kf8
9 O–O Bd7 10 c4 h6 11 Nc3 Qe7 12 c5 Bc7
13 Qc4 a6 14 Bxc6 bxc6 15 Re1 Be6 16
Qa4 Qd7 17 Ne5 Bxe5 18 dxe5 Nd5 19
Bxf4 Kg8 20 Nxd5 Qxd5 21 b4 Qd4† 22
Be3 Qxe5 23 Qxc6 Bd5 24 Qa4 Nh7 25
Rac1 Rhe8 26 c6 Rac8 27 c7 Re6 28 Bf2
Qg5 29 Qc2† f5 30 Bc5 Be4 31 Qb2 Rg6
32 Re2 Rxc7 33 a4 Rgc6 34 Rce1 a5 35 Be3
Qg4 36 Bc5 axb4 37 h3 Qg3 38 Bxb4 Rc2
39 Qa3 Qg5 40 Be7 Rxe2 41 Bxg5 Rxe1†
42 Kf2 Rd1 43 Bf4 Rc2† 44 Ke3 Rd3† 45
Qxd3 Bxd3 46 Kxd3 Ra2 47 a5 Rxa5 48
Bc7 Ra2 49 g3 g5 50 h4 f4 51 Ke4 Ra4† 52
Kf3 Ra3† 53 Ke2 Rxg3 54 Kf2 0–1

Belle — Mychess II X
C26/05 04. O–O

1 e4 e5 2 Bc4 Bc5 3 Nc3 Nf6 4 d3 O–O 5
Bg5 h6 6 Bh4 d6 7 Na4 Nbd7 8 Nxc5
Nxc5 9 b4 Na4 10 Bb3 Nc3 11 Qd2 Nb5
12 Ba4 Nd4 13 c3 Nc6 14 Bxc6 bxc6 15 c4
Bb7 16 Nf3 Re8 17 O–O d5 18 Rae1 d4 19
Re2 Ba6 20 Rc1 Qd6 21 c5 Qe6 22 Bxf6
Qxf6 23 Ne1 Rab8 24 Qb2 Rb5 25 Rec2
Rd8 26 Qb3 Qe7 27 a3 Qd7 28 f3 Rdb8 29

f4 e×f4 30 ♕a4 ♗b7 31 ♖c4 a5 32 ♘f3 a×b4
33 a×b4 f5 34 e×f5 ♕×f5 35 ♕c2 ♕d5 36
♘×d4 f3 37 ♘×f3 ♗a6 38 ♖d4 ♕f7 39 ♕a4
♖a8 40 ♖e1 ♗b7 41 ♕c2 ♖f8 42 ♖de4 ♕h5
43 ♘d4 ♖×b4 44 ♘e6 ♖×e4 45 ♖×e4 ♖b8 46
♘×c7 ♕f7 47 ♘e6 ♖e8 48 ♕c4 ♖e7 49 ♕a2
♔h8 50 ♕e2 ♕f6 51 d4 ♕f5 52 ♕e1 ♕d5
53 ♖e5 ♕c4 54 ♕e3 ♗a6 55 h3 ♕f1† 56
♔h2 ♕f6 57 ♕e4 ♕g8 58 ♕×c6 ♗b7 59
♕d6 ♕f7 60 ♖e3 ♕f2 61 ♕d8† ♔h7 62
♘f8† ♕×f8 63 ♕×e7 ♕×e7 64 ♖×e7 1–0

Fidelity Avante Garde — Mephisto Modular
C24/02 06. Bg4

1 e4 e5 2 ♗c4 ♘f6 3 d3 d5 4 e×d5 ♘×d5 5
♘f3 ♘c6 6 O–O ♗g4 7 ♖e1 ♗c5 8 h3 ♗e6 9
♗g5 ♕d6 10 ♘bd2 ♗b6 11 ♗×d5 ♗×d5 12
♘c4 ♗×c4 13 d×c4 O–O 14 ♕d5 ♕g6 15 c5
♘b4 16 ♕×e5 ♘c2 17 c×b6 ♘×a1 18 ♖×a1
f6 19 ♕d5† ♕f7 20 ♕×f7† ♖×f7 21 ♗f4 a×b6
22 a4 ♖d7 23 b3 ♖d3 24 ♗×c7 ♖×b3 25 ♗d6
♖c3 26 ♘d2 ♖c2 27 ♘b3 ♖c4 28 ♔f1 ♖×a4
29 ♖d1 ♖d8 30 ♖d2 b5 31 ♘c5 ♖a1† 32
♔e2 b6 33 ♘e4 ♖e8 34 ♔f3 ♖c1 35 ♗b4
♖b1 36 ♖d4 ♖b3† 37 ♔f4 ♖c8 38 ♔f5 ♖b2
39 g3 ♖e8 40 f4 ♖b3 41 ♔g4 ♖c8 42 ♔f5
♖b1 43 ♔e6 ♖c6† 44 ♔d5 ♖c2 45 ♔e6 h6
46 ♖d8† ♔h7 47 ♗d2 ♖c6† 48 ♔d5 ♖c7 49
♔e6 ♖b2 50 ♔f5 ♖e7 51 ♖d4 ♖c2 52 ♗b4
♖a7 53 ♘c3 ♖c7 54 ♘d5 ♖7c6 55 ♔e4 ♖h2
56 h4 ♖b2 57 f5 ♖f2 58 ♘c3 ♖c8 59 ♘×b5
1–0

Fidelity Elite XC — Mephisto Exclusive S
B30/04 06. e6

1 e4 c5 2 ♘f3 ♘c6 3 ♗b5 ♘f6 4 e5 ♘d5 5
♘c3 ♘c7 6 a4 e6 7 d3 ♗e7 8 O–O O–O 9
♘e4 b6 10 ♗d2 ♗b7 11 ♕e2 ♘d5 12 c4
♘db4 13 ♗f4 ♕c7 14 ♘d6 ♗×d6 15 e×d6
♕c8 16 ♖fe1 f6 17 ♖ab1 ♘a5 18 ♗d2 ♗×f3
19 g×f3 a6 20 ♗×b4 c×b4 21 ♗×d7 ♕×d7 22
♕×e6† ♕×e6 23 ♖×e6 ♖fd8 24 ♖d1 ♘b3 25
d4 ♖ac8 26 ♖e3 ♘a5 27 c5 b×c5 28 d×c5
♖×c5 29 d7 ♔f7 30 b3 ♖c7 31 ♖ed3 ♖b7 32
♖d5 ♖c3 33 ♔g2 ♖×b3 34 ♖1d4 ♔e6 35 f4
g6 36 h4 h5 37 ♖d2 ♖a3 38 ♖5d4 ♖×a4 39
♖e4† ♔f5 40 f3 ♖a5 41 ♖×b4 ♘c5 42 ♖bd4
♘b3 43 ♖d5† ♖×d5 44 ♖×d5† ♔×f4 45 ♔f2
a5 46 ♖d6 f5 47 ♔g2 a4 48 ♖a6 ♖×d7 49
♖×a4† ♖d4 50 ♖a6 ♘d2 51 ♖a3 ♖c4 52 ♔f2
♖c2 53 ♖a4† ♘c4† 54 ♔f1 ♔g3 55 ♖b4
♘e3† 56 ♔e1 ♖f2 57 ♖a4 ♔g2 58 ♖f4 ♖a2
59 ♖b4 ♘c2† 1–0

B11 — Fidelity PC X
C89/21 13 Rh5

1 e4 e5 2 ♘f3 ♘c6 3 ♗b5 a6 4 ♗a4 ♘f6 5
O–O ♗e7 6 ♖e1 b5 7 ♗b3 O–O 8 c3 d5 9
e×d5 ♘×d5 10 ♘×e5 ♘×e5 11 ♖×e5 c6 12 d4
♗d6 13 ♖h5 ♗e6 14 ♗g5 ♕d7 15 ♖h4 a5
16 c4 b×c4 17 ♗×c4 ♖ab8 18 b3 ♗f5 19 ♕f3
h6 20 ♗×d5 h×g5 21 ♗e4 g×h4 22 ♗×f5 ♕c7
23 ♕h3 ♕e7 24 ♘c3 ♖fe8 25 ♗e4 ♗b4 26
♖e1 ♕d6 27 a3 ♗×a3 28 ♕f5 g6 29 ♕g5
♖×b3 30 ♖e2 ♖×c3 31 ♗×g6 ♖c1† 32 ♕×c1
♖×e2 33 ♕d1 ♕×g6 34 ♕×e2 h3 35 g3
♕b1† 36 ♕f1 ♕c1 37 f4 a4 38 g4 ♕×f1† 39
♔×f1 ♗d6 40 ♔f2 a3 41 ♔g3 a2 42 d5 c×d5
43 ♔×h3 ♗×f4 0–1

Fidelity Elite XA — Turbo 640
B13/07 09. Bh5

1 e4 c6 2 d4 d5 3 e×d5 c×d5 4 ♗d3 ♘c6 5 c3
♘f6 6 ♗f4 ♗g4 7 ♕b3 ♕c8 8 ♘d2 e6 9
♘gf3 ♗h5 10 O–O ♗e7 11 ♘e5 a6 12 f3
O–O 13 ♕c2 ♖d8 14 ♗g5 ♘×e5 15 d×e5
♕c5† 16 ♔h1 ♘e8 17 ♗×h7† ♔h8 18 ♘b3
♕c7 19 ♗×e7 ♕×e7 20 g4 g6 21 g×h5 ♔×h7
22 ♖g1 ♔g7 23 h×g6 f6 24 ♕e2 ♘c7 25 ♖g2
♖h8 26 ♖ag1 f5 27 ♕f2 ♖ad8 28 ♕b6 ♘a8
29 ♕a7 ♘c7 30 ♕×b7 ♖b8 31 ♕c6 ♖bc8 32
♘c5 a5 33 ♕b6 ♖he8 34 ♘b7 ♖b8 35 ♕c6
♔g8 36 g7 ♖a8 37 ♘d6 ♖eb8 38 ♖g6 ♖×b2
39 ♖h6 ♕×g7 1–0

Round 3
June 22, 1985

Novag Super Con X — Bebe
C20/02 04 N:e5

1 c3 e5 2 e4 d5 3 ♘f3 d×e4 4 ♘×e5 ♕e7 5
♘c4 ♘c6 6 d4 e×d3† 7 ♗e3 ♗f5 8 ♘bd2
O–O–O 9 ♕a4 a6 10 ♘a5 ♘e5 11 ♕b3 b5
12 a4 ♗e6 13 ♕d1 b4 14 ♖c1 ♖d7 15 ♘e4
♗f5 16 ♘d2 ♘f6 17 ♘dc4 ♕e6 18 ♘×e5
♕×e5 19 ♘c4 ♕e6 20 ♕b3 ♘d5 21 ♔d1
♘×e3† 22 f×e3 ♗c5 23 h3 ♗×e3 24 ♖a1
♗g4† 25 h×g4 ♕×g4† 26 ♔e1 d2† 27 ♘×d2
♕g3† 28 ♔d1 ♖×d2† 29 ♔c1 ♕e1† 30 ♕d1
♕×d1# 0–1

Novag Y — Belle
C39/20 14 Rhe1

1 e4 e5 2 f4 e×f4 3 ♘f3 g5 4 h4 g4 5 ♘e5
♘f6 6 d4 d6 7 ♘d3 ♘×e4 8 ♗×f4 ♕e7 9

♕e2 ♗g7 10 c3 h5 11 ♘d2 ♘×d2 12 ♔×d2 ♕×e2† 13 ♗×e2 ♘c6 14 ♖he1 ♗e6 15 ♗g5 ♗h6 16 ♘f4 ♘e7 17 ♗d3 ♗×g5 18 h×g5 ♔d7 19 ♘×e6 f×e6 20 ♗c4 d5 21 ♗d3 ♖ae8 22 ♖e5 ♘c6 23 ♗b5 ♔d6 24 ♗×c6 b×c6 25 ♖f1 c5 26 ♖f7 ♖b8 27 b3 c×d4 28 c×d4 ♖b4 29 ♔c3 ♖×d4 30 ♖e1 ♖e4 31 ♖×e4 d×e4 32 g6 ♖g8 33 g7 h4 34 ♖f6 ♖×g7 35 ♔d4 g3 36 ♖h6 ♖g4 37 ♔e3 c5 38 ♖h8 e5 39 ♖h7 a5 40 ♖h8 ♖f4 41 a4 ♖f2 42 ♔×e4 ♖×g2 43 ♖×h4 ♖e2† 44 ♔f3 ♖b2 45 ♔×g3 ♖×b3† 46 ♔f2 ♖a3 47 ♔e2 ♔d5 48 ♔d2 e4 49 ♖h8 ♖×a4 50 ♖d8† ♔e5 51 ♖e8† ♔f5 52 ♔c3 ♔f4 53 ♖h8 ♔e5 54 ♖c8 ♔d5 55 ♖d8† ♔c6 56 ♖c8† ♔d6 57 ♖d8† ♔c7 58 ♖d5 ♔c6 59 ♖d8 ♖b4 60 ♖c8† ♔d6 61 ♔d2 ♖b6 62 ♔e3 ♔d5 63 ♖d8† ♔e5 64 ♖e8† ♖e6 65 ♖a8 ♔d5 66 ♖×a5 ♔f6 67 ♖a7 ♖f3† 68 ♔e2 ♖c3 69 ♖d7† ♔e6 70 ♖d8 c4 71 ♖e8† ♔d5 72 ♖d8† ♔e5 73 ♖e8† ♔d4 74 ♖d8† ♔c5 75 ♖e8 ♖g3 76 ♖×e4 c3 77 ♖e7 ♖h3 78 ♖c7† ♔d4 79 ♖c8 ♖h2† 80 ♔d1 ♖d2† 81 ♔c1 ♖f2 82 ♔d1 ♔d3 83 ♖d8† ♔c4 84 ♔c1 ♖g2 85 ♖c8† ♔d3 86 ♖d8† ♔e3 87 ♖c8 ♔d4 88 ♖d8† ♔c5 89 ♖c8† ♔b4 90 ♖b8† ♔a4 91 ♔b1 ♖f2 92 ♔c1 ♖e2 93 ♔b1 ♖g2 94 ♔c1 ♖d2 95 ♔b1 ♖h2 96 ♔c1 ♖f2 97 ♔b1 ♖e2 98 ♔c1 ♔a3 99 ♖a8† ♔b3 100 ♖b8† ♔c4 101 ♖d8 ♖a2 102 ♖c8† ♔d3 103 ♖d8† ♔e3 104 ♖c8 ♔d4 105 ♖d8† ♔e4 106 ♖c8 ♖h2 107 ♖×c3 ♔d4 ½–½

Fidelity Avante Garde — Fidelity Elite XC
A28/16 08 Q:c3

1 c4 e5 2 ♘c3 ♘c6 3 ♘f3 ♘f6 4 d4 e4 5 ♘d2 ♘×d4 6 ♘d×e4 ♘×e4 7 ♕×d4 ♘×c3 8 ♕×c3 d5 9 e3 ♗e6 10 ♕b3 ♕d6 11 ♕×b7 ♕b4† 12 ♕×b4 ♗×b4† 13 ♗d2 ♗×d2† 14 ♔×d2 d×c4 15 ♔c3 ♖b8 16 ♖b1 ♗f5 17 e4 ♗e6 18 ♗×c4 ♔e7 19 e5 ♖hd8 20 b3 ♗f5 21 ♖bd1 f6 22 ♖×d8 ♖×d8 23 ♖e1 g5 24 ♖e3 ♗c8 25 g3 g4 26 ♗e2 ♖f8 27 e×f6† ♔×f6 28 f4 g×f3 29 ♖×f3† ♔e7 30 ♖×f8 ♔×f8 31 ♔d4 ♔g7 32 ♔e5 ♗b7 33 g4 a5 34 ♗d3 ♗f3 35 g5 ♗h5 36 h4 ♗g6 0–1

Fidelity Elite XA — Novag X
B93/08 09. Qb6+

1 e4 c5 2 ♘f3 d6 3 d4 c×d4 4 ♘×d4 ♘f6 5 ♘c3 a6 6 f4 e5 7 ♘f3 ♘bd7 8 ♗d3 ♗e7 9 O-O ♕b6† 10 ♔h1 O-O 11 ♖b1 ♕c6 12 ♗e3 b5 13 ♘d5 ♘×d5 14 e×d5 ♕b7 15 f×e5 d×e5 16 d6 ♗d8 17 ♗f5 ♖e8 18 ♘d2 ♘f6 19

♕f3 ♕×f3 20 ♖×f3 g6 21 ♗c8 ♖×c8 22 ♖×f6 ♖c2 23 d7 ♖e7 24 ♖d6 f5 25 ♘b3 ♗f7 26 ♘c5 f4 27 ♗g1 e4 28 ♘×e4 ♔f8 29 ♗d4 f3 30 g×f3 ♗f5 31 ♖×a6 ♖h5 32 ♗g1 ♔e7 33 ♖d6 ♖h4 34 ♖d5 ♔e6 35 ♖bd1 ♔e7 36 ♖×b5 1–0

Mephisto Modular S — Novag Quattro X
B04/08 08 O-O

1 e4 ♘f6 2 e5 ♘d5 3 d4 d6 4 ♘f3 g6 5 ♗c4 ♘b6 6 ♗b3 ♗g7 7 ♘g5 d5 8 O-O O-O 9 ♘c3 h6 10 ♘f3 ♗f5 11 ♘h4 ♗e6 12 ♘a4 ♘×a4 13 ♗×a4 c5 14 c3 c×d4 15 c×d4 ♘c6 16 ♗e3 ♖c8 17 ♖c1 ♕b6 18 ♕d2 ♕b4 19 ♗×c6 ♕×d2 20 ♗×d2 ♖×c6 21 ♗b4 ♖fc8 22 ♖×c6 ♖×c6 23 ♗×e7 g5 24 ♘f3 g4 25 ♘e1 ♖c4 26 f4 ♖a4 27 a3 ♖×d4 28 f5 ♗d7 29 f6 ♗f8 30 ♘c2 ♖e4 31 ♖e1 ♖×e1† 32 ♘×e1 d4 33 ♔f2 ♗e6 34 ♔g3 h5 35 ♗×f8 ♔×f8 36 ♔f4 ♗d5 37 g3 ♔e8 38 ♘d3 ♔d7 39 ♔f5 ♔c6 40 ♔g5 ♗c4 41 ♘f2 ♔d5 42 ♔×h5 ♗e2 43 ♔g5 ♔×e5 44 ♔h6 ♔×f6 45 ♘e4† ♔e5 46 ♘d2 f6 47 ♔g6 d3 48 ♘c4† ♔d4 49 ♘d2 ♔e3 50 ♘c4† ♔f2 51 ♔×f6 b5 52 ♘d6 d2 53 ♘e4† ♔e1 54 ♘×d2 ♔×d2 55 b4 ♔c3 56 ♔e6 ♔b2 57 ♔d6 ♔×a3 58 ♔c5 a5 59 b×a5 b4 60 ♔d4 0–1

Fidelity PC X — Turbostar Comp X
C43/03 05 d:e5

1 e4 e5 2 ♘f3 ♘f6 3 d4 ♘×e4 4 ♗d3 d5 5 d×e5 ♘c6 6 ♘bd2 ♗f5 7 O-O ♗c5 8 ♕e2 ♘×d2 9 ♗×d2 ♗×d3 10 ♕×d3 O-O 11 ♘g5 g6 12 e6 f6 13 ♘f7 ♖×f7 14 e×f7† ♔×f7 15 ♗h6 ♘e5 16 ♕b3 ♕b6 17 ♖ad1 ♘c4 18 ♖fe1 ♕d6 19 ♕f3 ♖d8 20 ♗f4 ♕c6 21 ♕h3 h5 22 ♕c3 ♕c5 23 ♖f1 g5 24 b4 ♕e7 25 ♖fe1 ♕f8 26 ♗c1 ♕d6 27 ♕f3 ♔g6 28 c3 a5 29 b×a5 ♗×a5 30 ♕h3 f5 31 ♖e2 ♕f6 32 ♖d3 h4 33 g3 h×g3 34 ♕×g3 f4 35 ♕g2 ♘e5 36 ♖×d5 f3 37 ♖e×e5 f×g2 38 ♖×g5† ♔h7 39 ♖h5† ♔g8 40 ♖dg5† ♔f8 41 ♖f5 ♗×c3 42 ♔×g2 ♔g7 43 ♖×f6 ♗×f6 44 h4 ♖a8 45 ♖b5 b6 46 ♗f4 ♖×a2 47 ♗×c7 ♗×h4 48 ♗×b6 ♔g6 49 ♗d4 ♖d2 50 ♗e3 ♖a2 51 ♖d5 ♗e7 52 ♔g3 ♔f6 53 ♗d4† ♔e6 54 ♖e5† ♔f7 55 f4 ♖d2 56 ♖e4 ♗d6 57 ♔g4 ♖h2 58 f5 ♖g2† 59 ♔h4 ♖h2† 60 ♔g5 ♖g2† 61 ♔h5 ♗e7 62 ♗e3 ♖e2 63 ♗g1 ♗f6 64 ♔f3 ♖a2 65 ♖c4 ♗e5 66 ♔e4 ♗g3 67 ♗d4 ♗d6 68 ♖c6 ♔e7 69 f6† ♔d7 70 ♖×6 ♖h2 71 f7 ♖h4† 72 ♔e3 ♖h3† 73 ♔f2 ♗f8 74 ♖b8 ♖h2† 75 ♔f3 ♔e7 76 ♗c5† ♔×f7 77 ♖×f8† ♔e6 78 ♗e3

Ħh3† 79 ♚e4 Ħh2 80 ♗f2 Ħg2 81 ♗d4
Ħe2† 82 ♚d3 Ħh2 83 Ħf6† ♚d5 84 Ħf5†
♚e6 85 Ħe5† ♚d6 86 Ħg5 ♚e6 87 Ħg4 ½-½

Mychess II X — Mephisto Modular
A35/01 03. Nf6

1 c4 c5 2 ♘f3 ♘c6 3 ♘c3 ♘f6 4 e4 d6 5 ♗e2
♘d4 6 O-O e5 7 d3 ♗e7 8 ♘xd4 cxd4 9
♘d5 ♗e6 10 f4 ♗d7 11 ♕b3 ♗c6 12 ♗d2
♘d7 13 ♗b4 exf4 14 Ħxf4 O-O 15 Ħff1 a5
16 ♘xe7† ♕xe7 17 ♗a3 ♕e6 18 Ħae1 ♕g6
19 ♕d1 Ħab8 20 ♗g4 ♘e5 21 ♗f5 ♕h6 22
♕c2 b5 23 b3 bxc4 24 bxc4 Ħfd8 25 Ħe2
♗b7 26 ♗b2 ♘c6 27 Ħf3 ♕g5 28 Ħh3 g6 29
Ħg3 ♕h5 30 Ħh3 ♕g5 31 ♕a4 ♚h8 32
Ħg3 ♕e7 33 ♗g4 f6 34 ♚h1 ♕e5 35 Ħh3
♘b4 36 ♕b3 ♗c6 37 ♕a3 Ħb7 38 Ħg3
Ħdb8 39 ♚g1 ♘a6 40 Ħf2 f5 41 ♗f3 Ħb4 42
exf5 Ħa4 43 ♗xc6 Ħxa3 44 ♗xa3 gxf5 45 Ħf1
♘b4 46 ♗xb4 axb4 47 Ħgf3 Ħg8 48 Ħb1
♕e2 49 Ħf2 ♕xd3 50 Ħxb4 ♕c3 51 Ħa4 d3
52 Ħf1 d2 53 Ħd1 ♕c2 54 ♗f3 ♕xa4 55
Ħxd2 ♕xc4 56 g3 f4 57 ♚g2 fxg3 58 hxg3
♕f4 0-1

Turbo Kasparov — Mephisto Exclusive S
D14/07 08. a6

1 d4 d5 2 c4 c6 3 cxd5 cxd5 4 ♘c3 ♘c6 5
♘f3 ♘f6 6 ♗f4 ♗f5 7 e3 e6 8 ♗b5 a6 9
♗xc6† bxc6 10 ♕a4 ♕b6 11 ♘e5 Ħc8 12
O-O ♗e7 13 ♕b3 ♕b4 14 ♕xb4 ♗xb4 15
♘a4 ♗e4 16 ♘b6 Ħb8 17 ♘a4 Ħc8 18 Ħac1
♗d2 19 Ħxc6 Ħxc6 20 ♘xc6 ♗d3 21 Ħd1
♗c2 22 Ħxd2 ♗xa4 23 ♘b8 ♗b5 24 Ħc2
O-O 25 ♘c6 h6 26 ♘e7† ♚h7 27 Ħc7 g5 28
♗e5 ♘g4 29 h3 ♘xe5 30 dxe5 ♗d3 31 ♘c6
♚g6 32 a3 h5 33 f3 h4 34 ♚f2 ♗b5 35 ♘d4
♗d3 36 b4 Ħh8 37 f4 gxf4 38 exf4 Ħh7 39
Ħa7 Ħg7 40 a4 Ħh7 41 ♚e3 ♗f1 42 ♚f2
♗d3 43 a5 Ħg7 44 Ħc7 ♗e4 45 Ħa7 ♗d3 46
♚e3 ♗f1 47 ♘f3 ♚h5 48 ♚f2 ♗xg2 49 ♘g5
Ħxg5 50 fxg5 ♗xh3 51 Ħxa6 ♗f5 52 Ħc6 d4
53 a6 ♗e4 54 Ħc7 ♚g4 55 Ħxf7 h3 56 g6
♗xg6 57 Ħg7 ♚h5 58 Ħxg6 ♚xg6 59 a7 1-0

Turbo 640 — B11
D25/01 04. b5

1 d4 ♘f6 2 ♘f3 d5 3 c4 dxc4 4 e3 b5 5 a4 c6
6 axb5 cxb5 7 b3 b4 8 ♗xc4 e6 9 ♗b2 ♘c6
10 ♘bd2 ♗e7 11 O-O ♗b7 12 ♕e2 O-O 13
e4 ♕d7 14 ♗b5 ♕c7 15 Ħfc1 Ħfc8 16 ♘e5
♘xd4 17 ♗xd4 ♕xc1† 18 Ħxc1 Ħxc1† 19
♘f1 ♘xe4 20 ♕e3 Ħc7 21 ♗xa7 ♘c3 22

♗b6 ♘d5 23 ♕d4 Ħc3 24 ♗c4 Ħa2 25 ♕e4
Ħcc2 26 ♗d4 f5 27 ♕d3 ♗f6 28 ♗xd5 ♗xd5
29 ♕b5 h6 30 ♕b8† ♚h7 31 ♘d7 ♗xd4 32
♘f8† ♚g8 33 ♘xe6† ♚h7 34 ♘xd4 Ħxf2 35
♘e3 Ħfd2 36 h3 Ħxd4 37 ♕e5 Ħad2 38
♕xf5† ♚h8 39 ♘xd5 Ħxd5 40 ♕f8† ♚h7
41 ♕xb4 Ħe2 42 ♕b7 Ħd4 43 ♚f1 Ħa2 44
♕f3 ♚g8 45 ♕h5 Ħb2 46 ♕f3 Ħd8 47 ♚e1
Ħe8† 48 ♚d1 Ħb8 49 ♕d5† ♚h8 50 ♕e4
Ħ2xb3 51 ♚c1 Ħc8† 52 ♚d2 Ħb2† 53 ♚d3
Ħa2 54 h4 Ħd8† 55 ♚c3 Ħb8 56 h5 Ħa3† 57
♚c2 Ħa5 58 g4 Ħa2† 59 ♚c3 Ħf8 60 ♚d3
Ħc8 61 ♚e3 Ħc3† 62 ♚f4 Ħf2† 63 ♚e5 Ħc8
64 ♚d4 Ħd8† 65 ♚e3 Ħfd2 66 ♕f5 Ħg2 67
♕e4 Ħb2 68 ♕e5 Ħdb8 69 ♕f5 Ħ8b3† 70
♚e4 Ħe2† 71 ♚d4 Ħd2† 72 ♚e4 Ħb4† 73
♚e3 Ħbb2 74 ♕f8† ♚h7 75 ♕f5† ♚g8 76
♕e6† ♚f8 77 ♕c8† ♚e7 78 ♕c7† ♚f6 79
♕c3† ♚g5 80 ♕xg7† ♚h4 81 ♕xh6 Ħe2† 82
♚d3 ♕xg4 83 ♕g6† ♚f4 84 ♕f6† ♚g3
85 ♕g5† ♚f3 86 h6 Ħb3† 87 ♚c4 Ħeb2 88
♕d5† ♚f4 89 h7 Ħb4† 90 ♚c3 Ħb8 91 h8♕
Ħxh8 92 ♕d6† ♚f3 93 ♚xb2 Ħe8 94 ♕f6†
♚e2 95 ♚c3 Ħc8† 96 ♚d4 Ħc2 97 ♚e5 Ħa2
98 ♕e6 Ħd2 99 ♕g6 ♚f2 100 ♕b6† ♚f3
101 ♕f6† ♚e2 102 ♕h4 ♚f3 103 ♕e4†
♚f2 104 ♕f4† ♚e1 105 ♕b4 ♚e2 106 ♕b1
♚f2 107 ♕c1 Ħe2† 108 ♚f5 ♚g3 109 ♕g5†
♚f3 110 ♕g4† ♚f2 111 ♕c4 ♚f3 112 ♕f4†
♚g2 113 ♕d4 ♚f3 114 ♕d5† ♚e3 115
♕e4† ♚d2 116 ♕h4 ♚d3 117 ♕g3† ♚c2
118 ♕f3 ♚d2 119 ♕f4† ♚c3 120 ♕c7†
♚d4 121 ♕d6† ♚e3 122 ♕f4† ♚d3 123
♚f6 ♚c2 124 ♕d4 Ħd2 125 ♕e4† ♚d1 126
♕f3† Ħe2 127 ♕g4 ♚e1 128 ♕g1† ♚d2
129 ♕g3 ♚c2 130 ♕g4 ♚d3 131 ♕f5†
♚d2 132 ♕d5† ♚c2 133 ♚g5 ♚c3 134
♕c5† ♚d3 135 ♕f5† ♚d4 ½-½

Round 4
June 22, 1985

Bebe — Novag Y
C08/03 11. a6

1 e4 e6 2 d4 d5 3 ♘d2 c5 4 exd5 exd5 5
♗b5† ♗d7 6 ♕e2† ♗e7 7 dxc5 ♘f6 8 ♘gf3
O-O 9 O-O ♗xc5 10 ♘b3 Ħe8 11 ♕d3 a6
12 ♗xd7 ♘bxd7 13 ♗d2 ♗b6 14 ♗f4 Ħe4 15
♗d6 Ħe6 16 ♗g3 ♘c5 17 ♘xc5 ♗xc5 18
♘g5 Ħe8 19 ♕f5 h6 20 ♘f3 ♕b6 21 ♗h4
Ħe2 22 Ħae1 Ħae8 23 Ħxe2 Ħxe2 24 ♕d3
♕b5 25 ♗xf6 ♕xd3 26 cxd3 gxf6 27 d4 ♗b6
28 Ħb1 ♚g7 29 ♚f1 Ħc2 30 a3 ♚g6 ½-½

Fidelity Elite XC — Novag Super Con X
C55/04 11 Bg5

1 e4 e5 2 Nf3 Nc6 3 Bc4 Nf6 4 Nc3 Nxe4 5 Nxe4 d5 6 Bd3 dxe4 7 Bxe4 Bd6 8 d4 exd4 9 Bxc6† bxc6 10 Qxd4 O-O 11 Bg5 Re8† 12 Be3 c5 13 Qc3 Bb7 14 O-O-O Qe7 15 Rhg1 Qe6 16 Kb1 Bd5 17 a3 Qf5 18 h3 Rab8 19 Nh4 Qe6 20 Bxc5 Bxc5 21 Qxc5 Be4 22 Qc3 Rb6 23 Rd2 Reb8 24 Rgd1 Qe7 25 f3 Rxb2† 26 Qxb2 Rxb2† 27 Kxb2 Qe5† 28 Kb1 Qb5† 29 Kc1 Bc6 30 Rd8† Be8 31 Nf5 h6 32 Re1 Qxf5 33 Rdxe8† Kh7 34 Kb1 Qb5† 35 Ka1 Qc5 36 Kb2 Qb5† 37 Kc3 Qa5† 38 Kd3 Qxa3† 39 c3 Qa6† 40 Kd4 Qd6† 41 Kc4 Kg6 42 R1e2 Kf6 43 R8e4 a5 44 Kb5 Qd5† 45 Ka4 Qc5 46 R2e3 c6 47 Rf4† Kg6 48 Rg4† Kh7 49 Rge4 Qb5† 50 Ka3 Qf1 51 Re2 Qc1† 52 Kb3 Qd1† 53 Ka2 Qd3 54 Kb2 Qd1 55 Rc2 Qd3 56 Rd4 Qb5† 57 Ka3 Qf5 58 Rcd2 Qc5† 59 Kb3 Qb5† 60 Ka2 Kg6 61 Rg4† Kf6 62 Rdd4 Qe2† 63 Ka3 Qe7† 64 Ka4 Qc7 65 Rge4 c5 66 Rd2 Qb6 67 Rde2 Kg5 68 Ka3 Qa6 69 Re1 Qd3 70 R4e3 Qc4 71 Rb1 Qf4 72 Re4 Qd2 73 Rc4 Kg6 74 Rxc5 Qxg2 75 Rbb5 Qxf3 76 h4 Qg4 77 h5† Kh7 78 Rxa5 Qf4 79 Kb3 Qd6 80 Rd5 Qe6 81 c4 Qb6† 82 Kc2 Qe6 83 Kd3 Qh3† 84 Kd4 Qg4† 85 Kc3 Qg3† 86 Kb4 Qe1† 87 Kb5 Qe8† 88 Kc5 Qe3† 89 Kc6 Qe2 90 Rac5 Qf3 91 Kb5 g5 92 hxg6† Kxg6 93 Kb4 Qf6 94 Re5 Qb6† 1-0

Belle — Fidelity Elite XA
B22/10 04 Nf3

1 e4 c5 2 c3 d5 3 exd5 Qxd5 4 Nf3 Bf5 5 Bb5† Nc6 6 d3 Nf6 7 O-O Rd8 8 Be3 Bxd3 9 Qxd3 Qxd3 10 Bxd3 Rxd3 11 Bxc5 e5 12 Bxf8 Rxf8 13 Re1 Nd7 14 Nbd2 f5 15 Nxe5 Ndxe5 16 Nc4 Kd8 17 Nxe5 Nxe5 18 Rxe5 Rd2 19 b4 Kd7 20 Rae1 Rf7 21 a4 Rc2 22 Rd1† Kc8 23 Rc5† Rc7 24 Rxf5 b6 25 Rh5 R2xc3 26 Rxh7 R3c4 27 Rh8† Kb7 28 b5 Rxa4 29 Rhd8 a5 30 bxa6† Kxa6 31 Ra8† Kb5 32 Rb8 Rc6 33 Rbd8 Rc2 34 R8d5† Ka6 35 Rg5 Rc7 36 g3 Ra2 37 Rd8 Ree7 38 Ra8† Kb7 39 Rg8 Re1† 40 Kg2 Ree7 41 f4 Ka6 42 h4 b5 43 h5 b4 44 h6 Rc2† 45 Kf3 Rc3† 46 Kg4 gxh6 47 R8g6† Ka7 48 Ra5† Kb8 49 Rb5† Rb7 50 Rgb6 h5† 51 Kh4 Rxb6 52 Rxb6† Kc7 53 Rxb4 Rc5 54 Ra4 Kb6 55 Ra8 Kc7 56 Rh8 Rc3 57 Rxh5 Kd6 58 Ra5 Rc4 59 Kg5 Rc8 60

f5 Rg8† 61 Kf4 Rb8 62 f6 Ke6 63 Ra6† Kf7 64 g4 Kg6 65 g5 Rb5 66 f7† Kxf7 67 Kg4 Rb1 68 g6† Kg7 69 Rc6 Kh6 70 Kf5 Rg1 71 Rd6 Rg5† 72 Kf4 Rxg6 ½-½

Mephisto Modular — Novag Quattro X
B92/04 08 Be3

1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Be2 e5 7 Nf3 h6 8 Be3 Be6 9 Nd2 d5 10 exd5 Nxd5 11 Nxd5 Bxd5 12 Nc4 Nc6 13 Nb6 Bxg2 14 Rg1 Bh3 15 Nxa8 Qxa8 16 f4 g6 17 Rg3 Qc8 18 fxe5 Bg7 19 Bf4 O-O 20 Rc3 Qf5 21 Qd2 g5 22 Bg3 Nxe5 23 O-O-O Qe6 24 Kb1 Nc6 25 Re3 Qf6 26 Qc1 Rc8 27 Bc4 b5 28 Bb3 Kh7 29 Rd6 Be6 30 Bxe6 fxe6 31 Rexe6 Qf3 32 Qg1 Nb4 33 Re7 Qf5 34 Qf2 Qxf2 35 Bxf2 Nc6 36 Rb7 Nd8 37 Rbd7 Nc6 38 a3 h5 39 Rd5 g4 40 Rxh5† Kg6 41 Rh4 Ne5 42 Rd6† Kf5 43 Rh5† Ke4 44 Rd4† Kf3 45 Rf5† Kg2 46 Bg3 Nc6 47 Rxg4 Bd4 48 Bf2† Kh3 1-0

Turbo Kasparov — Fidelity PC X
E06/01 05 c:d5

1 d4 Nf6 2 c4 e6 3 g3 d5 4 Bg2 Be7 5 cxd5 exd5 6 Nc3 O-O 7 Nf3 Nc6 8 O-O Ne4 9 Bf4 Nxc3 10 bxc3 Bf5 11 Ne5 Nxe5 12 dxe5 c6 13 Qa4 Qb6 14 e4 dxe4 15 Bxe4 Bxe4 16 Qxe4 Qa6 17 Rfd1 Rad8 18 Qc2 c5 19 Rab1 c4 20 Qe2 b6 21 Be3 Rd3 22 Bd4 f6 23 e6 Qc8 24 Rxd3 cxd3 25 Qxd3 Qxe6 26 Qa6 Qe4 27 Rd1 Ra8 28 f4 Qc6 29 Re1 Bd6 30 Re3 Qh8 31 a4 Qc7 32 Qb5 Be7 33 Re6 Rd8 34 Qc6 Qxc6 35 Rxc6 Rd7 36 a5 bxa5 37 Rc8† Rd8 38 Rc7 Ba3 39 Rxa7 Bb2 40 Rxa5 Rb8 41 Rc5 Kg8 42 Rc7 Ba3 43 c4 Rb1† 44 Kf2 Rc1 45 Kf3 Rc2 46 Bf2 Bd6 47 Rc6 Be7 48 f5 g6 49 Rc7 Bd6 50 Rd7 Rc3† 51 Ke2 Rc2† 52 Kd3 Rxf2 53 Rxd6 Rxf5 54 Rd8† Kf7 55 Rd7† Kg8 56 Ke3 Re5† 57 Kd2 Ra5 58 Kc3 Ra2 59 c5 1-0

Turbostar Comp X — Fidelity Avante Garde
D32/09 06 b4

1 d4 d5 2 c4 e6 3 Nc3 c5 4 cxd5 exd5 5 dxc5 Nf6 6 b4 a5 7 Ba3 axb4 8 Bxb4 b6 9 Qd3 Nc6 10 Rb1 bxc5 11 Qe3† Be6 12 Bxc5 Ng4 13 Bb6 Nxe3 14 Bxd8 Nc2† 15 Kd1 Na3 16 Bh4 Nxb1 17 Nxb1 Rxa2 18 e3 Bb4 19 Bb5 Bg4† 20 Nf3 Bd7 21 Bxc6 Bxc6 22 Nd4 Ba4† 23 Kc1 O-O 24 Na3 Rxa3 25

♔b2 ♖b8 26 ♘c2 ♗c3† 27 ♔c1 ♖a2 28 ♔d1 ♖xc2 0–1

Novag X — Mephisto Modular S
B45/06 07. e5

1 e4 c5 2 ♘f3 ♘c6 3 d4 cxd4 4 ♘xd4 ♘f6 5 ♘c3 e6 6 ♘db5 ♗b4 7 ♗f4 e5 8 ♗g5 O–O 9 ♗c4 a6 10 ♘d6 ♘d4 11 ♘xf7 ♖xf7 12 O–O ♕e7 13 ♘d5 ♕c5 14 ♘xf6† gxf6 15 ♗xf7† ♔xf7 16 ♕h5† ♔e7 17 ♕xh7† ♔e6 18 ♕g8† ♔d6 19 ♗e3 ♘e2† 20 ♔h1 ♕b5 21 a4 ♕a5 22 c3 ♘xc3 23 ♖ac1 ♕xa4 24 bxc3 ♗a3 25 ♖a1 ♕xe4 26 ♖xa3 ♕d3 27 ♖e1 ♔e7 28 ♗h6 ♔d6 29 ♗g7 ♕d2 30 ♖b1 ♕xf2 31 ♗f8† ♔c7 32 ♕c4† ♕c5 33 ♕xc5† ♔d8 34 ♕b6† 1–0

B11 — Mychess II X
B22/17 06. Qe4+

1 e4 c5 2 c3 d5 3 exd5 ♕xd5 4 d4 e6 5 ♘f3 ♘c6 6 ♘a3 ♕e4† 7 ♗e3 cxd4 8 ♘b5 dxe3 9 ♘c7† ♔e7 10 ♘xa8 exf2† 11 ♔xf2 ♘f6 12 ♗d3 ♕f4 13 ♕b3 ♕b8 14 ♘b6 axb6 15 ♕xb6 ♘d5 16 ♕b5 ♕a7† 17 ♔e1 ♕e3† 18 ♔f1 ♗d7 19 ♗e2 ♕a7 20 ♔e1 ♘cb4 21 ♕c4 ♘c2† 22 ♔d2 ♘xa1 23 ♖xa1 g6 24 ♕h4† ♔e8 25 ♘d4 ♗g7 26 ♗f3 ♘e7 27 ♘c2 ♗c6 28 ♗xc6† bxc6 29 a4 ♕c5 30 ♕h3 ♕f2† 31 ♔c1 ♕f4† 32 ♔b1 ♗e5 33 ♖a3 ♘d5 34 g3 ♕d2 35 ♘a1 ♘b4 36 ♕f1 ♕d3† 37 ♕xd3 ♘xd3 38 a5 ♗d6 39 ♖a2 ♔d7 40 a6 ♖a8 41 ♘b3 ♘e1 42 ♘d2 f5 43 ♘c4 ♖a7 44 b3 ♘f3 45 ♘xd6 ♔xd6 46 ♖f2 ♘g5 47 ♖d2† ♔c7 48 ♖a2 ♔b6 49 c4 ♘e4 50 ♖g2 e5 51 b4 ♖xa6 52 ♔b2 c5 53 ♔b3 ♖a1 54 b5 ♖b1† 55 ♔c2 ♖b4 56 ♔d3 ♖b3† 57 ♔c2 ♖c3† 58 ♔d1 ♖xc4 0–1

Mephisto Exclusive S — Turbo 640
D16/04 07 N:c4

1 d4 d5 2 c4 c6 3 ♘f3 ♘f6 4 ♘c3 dxc4 5 a4 ♗g4 6 ♘e5 ♗h5 7 ♘xc4 e6 8 ♕b3 b6 9 e3 ♗e7 10 ♘e5 ♘d5 11 e4 ♘xc3 12 bxc3 O–O 13 a5 b5 14 ♗f4 ♗g5 15 ♗xg5 ♕xg5 16 g3 a6 17 ♕a3 ♖c8 18 ♕c5 ♖c7 19 ♗g2 ♕e7 20 ♕xe7 ♖xe7 21 ♘d3 ♘d7 22 ♘f4 ♗g6 23 ♘xg6 hxg6 24 e5 ♖c8 25 g4 ♖c7 26 ♔d2 c5 27 ♖hc1 g5 28 ♗e4 ♖e8 29 h3 ♖ec8 30 ♖ab1 cxd4 31 cxd4 ♖xc1 32 ♖xc1 ♖xc1 33 ♔xc1 ♔f8 34 ♗b7 ♘b8 35 ♔d2 ♔e7 36 ♔e3 ♔d7 37 d5 f6 38 ♔e4 exd5† 39 ♔xd5 fxe5 40 ♔xe5 ♔c7 41 ♗g2 ♔d7 42 ♔f5 ♘c6 43 ♔xg5 ♘xa5 44 ♔g6 ♔d6 45 f4 ♘b3 46

f5 a5 47 ♔xg7 ♘d4 48 f6 ♘e6† 49 ♔g8 a4 50 ♗e4 ♔e5 51 ♔f7 ♘f4 52 ♗b1 ♘xh3 53 ♔e7 ♘g5 54 f7 ♘xf7 55 ♔xf7 ♘f4 56 ♔e6 ♔xg4 57 ♔d6 b4 58 ♔c5 a3 59 ♔xb4 a2 60 ♗xa2 ½–½

Round 5
June 23, 1985

Fidelity Elite XC — Bebe
B71/06 07 Bc4

1 e4 c5 2 ♘f3 d6 3 d4 cxd4 4 ♘xd4 ♘f6 5 ♘c3 g6 6 f4 ♘bd7 7 ♗c4 ♕b6 8 ♘f3 ♗g7 9 ♖f1 O–O 10 e5 dxe5 11 fxe5 ♘g4 12 ♘d5 ♕a5† 13 ♕d2 ♕xd2† 14 ♗xd2 ♘dxe5 15 ♘xe7† ♔h8 16 ♘xe5 ♘xe5 17 ♗d5 ♖e8 18 ♘xc8 ♘c4† 19 ♔d1 ♘xb2† 20 ♔c1 ♖axc8 21 ♖b1 f5 22 ♖xb2 ♗xb2† 23 ♔xb2 h5 24 ♖e1 ♖xe1 25 ♗xe1 ♔h7 26 c4 ♖e8 27 ♗d2 ♖e2 28 ♔c3 ♖e7 29 ♗g5 ♖d7 30 ♔d4 ♔g7 31 ♔e5 b6 32 ♔e6 ♖c7 33 ♗f4 ♖c5 34 ♗d2 a6 35 ♗e3 ♖a5 36 ♔d6 ♔h7 37 ♗xb6 ♖xa2 38 c5 ♖b2 39 ♗a5 ♖f2 40 c6 ♖c2 41 c7 ♖xc7 42 ♔xc7 1–0

Novag Y — Mephisto Modular
A84/11 04 Bd2

1 c4 f5 2 d4 ♘f6 3 ♘f3 e6 4 ♗d2 ♘c6 5 e3 d5 6 ♗d3 ♗b4 7 O–O ♗xd2 8 ♘bxd2 O–O 9 ♖c1 ♘b4 10 ♗b1 dxc4 11 ♘xc4 b5 12 ♘ce5 ♗b7 13 ♖c5 ♘bd5 14 ♕b3 a6 15 h3 ♘e4 16 ♗xe4 fxe4 17 ♘d2 ♕h4 18 a4 b4 19 ♕c2 ♖f5 20 ♕xe4 ♕xe4 21 ♘xe4 ♘xe3 22 fxe3 ♗xe4 23 ♖xc7 ♖xf1† 24 ♔xf1 h5 25 ♔g1 ♗d5 26 ♔h2 ♔h7 27 ♔g3 a5 28 ♘d3 ♔h6 29 ♖e7 g5 30 e4 h4† 31 ♔h2 ♗c4 32 ♘c5 b3 33 ♘xe6 ♗xe6 34 ♖xe6† ♔g7 35 d5 ♔f7 36 e5 ♖e8 37 ♖xe8 ♔xe8 38 ♖g1 ♔f7 39 ♔f2 ♔g6 40 d6 ♔f7 41 ♔f3 ♔e6 42 ♔g4 ♔d7 43 ♔xg5 ♔e6 44 ♔g6 ♔xe5 45 d7 1–0

Fidelity Avante Garde — Belle
C24/04 05 Bb3

1 e4 e5 2 ♗c4 ♘f6 3 d3 c6 4 ♘f3 d5 5 ♗b3 ♗d6 6 ♘c3 dxe4 7 dxe4 ♘a6 8 ♗e3 ♕e7 9 ♘d2 ♗c5 10 ♕e2 ♗xe3 11 ♕xe3 ♗e6 12 ♗xe6 ♕xe6 13 O–O–O O–O 14 ♘f3 b6 15 h3 ♖ad8 16 ♕g5 ♘d7 17 ♕g4 ♕xg4 18 hxg4 ♖fe8 19 ♖d2 b5 20 ♖hd1 ♘ab8 21 ♖d6 a5 22 g5 ♖e7 23 ♘e2 ♖de8 24 ♘h4 ♘c5 25 ♘f5 ♖d7 26 f3 ♖e6 27 g3 ♔f8 28 c3 g6 29 ♖xd7 ♘bxd7 30 ♘e3 ♔e7 31 b4 axb4

32 c×b4 ♞a6 33 ♞c2 ♞c7 34 ♖h1 ♞f8 35
♞e3 ♖d6 36 ♞g4 ♞a6 37 a3 ♞d7 38 ♞f2
♞b6 39 ♞c3 ♞c4 40 ♞b1 ♞c7 41 ♖×h7 ♞e6
42 f4 e×f4 43 g×f4 ♞×f4 44 ♔c2 ♞e6 45 ♞h3
♞e5 46 ♞d2 ♖d3 47 ♞b3 ♖e3 48 ♖h4 ♞f3
49 ♖h8 ♔d6 50 ♞a5 ♖×a3 51 ♞b7† ♔d7 52
♞c5† ♞×c5 53 b×c5 ♖e3 54 ♖h7 ♔e8 55
♔b2 ♖e4 56 ♖h8† ♔e7 57 ♔a3 ♖a4† 58
♔b2 ♖g4 59 ♔b3 ♞×g5 60 ♞×g5 ♖×g5 61
♔b4 ♖e5 62 ♖c8 ♔d7 63 ♖f8 ♖e7 64 ♔c3
♔e6 65 ♖d8 ♔e5 66 ♖d3 f5 67 ♖e3† ♔f6
68 ♖d3 ♖e6 69 ♖d8 ♔e5 70 ♔b3 f4 71 ♖f8
♖f6 72 ♖e8† ♔d5 73 ♔b4 f3 74 ♖d8† ♔e4
75 ♖e8† ♔d3 76 ♖d8† ♔c2 77 ♖d6 ♖f4†
0–1

Fidelity Elite XA — Turbo Kasparov
C43/03 05 d:e5

1 e4 e5 2 ♞f3 ♞f6 3 d4 ♞×e4 4 ♝d3 d5 5
d×e5 ♞c6 6 O-O ♝e7 7 c4 ♞f5 8 ♞c3 ♞×c3
9 b×c3 ♝×d3 10 ♛×d3 d×c4 11 ♛×c4 O-O
12 ♝e3 ♛c8 13 ♖ab1 ♖d8 14 ♛e4 h6 15 a4
♝a3 16 ♖fe1 a6 17 ♞d4 ♞×d4 18 c×d4 ♖b8
19 d5 a5 20 e6 f×e6 21 d×e6 ♝b4 22 ♖e2 b5
23 ♝f4 b×a4 24 ♖c1 ♖b7 25 ♛g6 c6 26
♝×h6 ♖e8 27 ♝g5 c5 28 ♖c4 ♖d8 29 ♝×d8
♛×d8 30 ♛c2 a3 31 ♖ce4 a2 32 ♛×a2 ♛e7
33 ♖f4 ♝c3 34 ♖f7 ♛g5 35 f4 ♛d8 36 ♖×b7
♛d4† 37 ♔f1 ♛×f4† 38 ♖f2 ♛c1† 39 ♔e2
♛e1† 40 ♔d3 ♛d1† 41 ♔×c3 ♛d4† 42
♔b3 a4† 43 ♔a3 ♛d3† 44 ♔b2 a3† 45 ♔c1
♛c3† 46 ♔d1 ♛d4† 47 ♖d2 ♛g1† 48 ♔c2
♛e3 49 e7† ♔h7 50 ♛d5 ♔h6 51 ♖b6† g6
52 ♖e6 ♛×e6 1–0

Novag Super Con X — Novag X
B84/01 07 Bg5

1 e4 c5 2 ♞f3 d6 3 d4 c×d4 4 ♞×d4 ♞f6 5
♞c3 a6 6 ♝e2 e6 7 ♝g5 ♝e7 8 ♝e3 O-O 9
O-O d5 10 e5 ♞fd7 11 f4 ♞c6 12 ♛d2 ♞c5
13 ♝f3 ♝d7 14 ♖ad1 ♖c8 15 g3 f6 16 ♛f2
♛a5 17 ♛e1 ♛c7 18 ♛f2 ♞b4 19 e×f6 ♝×f6
20 a3 ♝×d4 21 ♝×d4 ♞a4 22 a×b4 ♞×b2 23
♖d2 ♞a4 24 ♞×d5 e×d5 25 ♝×d5† ♔h8 26
♝e5 ♛b6 27 ♛×b6 ♞×b6 28 ♝×b7 ♝b5 29
♖a1 ♖c4 30 ♝d4 ♖c7 31 ♝×a6 ♞c4 32 ♖d3
♝×a6 33 ♖×a6 ♖cc8 34 ♖a7 ♖g8 35 ♝c5
♖ge8 36 ♔f2 ♖c6 37 ♖e7 ♖b8 38 ♖dd7
♞a3 39 c3 ♖h6 40 ♔g2 ♖g6 41 ♝d4 ♞c4 42
♖×g7 ♞e3† 43 ♔f3 ♖×g7 44 ♝×g7† ♔g8 45
♔×e3 ♖b6 1–0

Novag Quattro X — Mychess II X
C62/06 08. Nge7

1 e4 e5 2 ♞f3 ♞c6 3 ♝b5 d6 4 d4 ♝d7 5
♞c3 e×d4 6 ♞×d4 g6 7 ♝e3 ♝g7 8 ♛d2
♞ge7 9 O-O O-O 10 ♖ad1 ♖e8 11 f4 f5 12
e×f5 ♞×f5 13 ♞×f5 ♝×f5 14 ♖fe1 ♝g4 15
♝e2 ♝e6 16 a3 ♞a5 17 b3 d5 18 b4 ♞c6 19
♝f3 ♝×c3 20 ♛×c3 ♛d7 21 g3 ♝f7 22 ♛d3
♖ed8 23 c4 d4 24 b5 ♞a5 25 ♝×d4 ♝×c4 26
♛c3 ♛×b5 27 ♖e7 c5 28 ♝h8 ♖d4 29 ♝×d4
c×d4 30 ♛×d4 ♝f7 31 ♖×f7 ♛b6 32 ♛×b6
a×b6 33 ♖dd7 ♖c8 34 ♖g7† ♔f8 35 ♖df7†
♔e8 36 ♝d5 1–0

Fidelity PC X — Mephisto Exclusive S
C01/04 07. Be6

1 e4 e6 2 d4 d5 3 ♞c3 ♝b4 4 e×d5 e×d5 5
♝d3 ♞c6 6 ♞ge2 ♞ge7 7 O-O ♝e6 8 ♝f4
♞g6 9 a3 ♝d6 10 ♝×d6 ♛×d6 11 f4 f5 12
♞b5 ♛d7 13 ♛d2 O-O-O 14 ♞bc3 h5 15
♖ae1 h4 16 ♞a4 h3 17 g3 ♛f7 18 ♞c5
♖de8 19 b4 ♛f6 20 ♛c3 ♞d8 21 ♛b3 c6 22
b5 ♖e7 23 b×c6 ♞×c6 24 ♞×e6 ♛×e6 25 c4
d×c4 26 ♝×c4 ♛e3† 27 ♛×e3 ♖×e3 28 a4
♖d8 29 d5 ♞a5 30 ♝a2 ♖a3 31 ♖a1 ♔b8 32
♞d4 ♞f8 33 ♞×f5 g6 34 ♞h4 ♖×a4 35 f5 g5
36 ♞f3 g4 37 ♞e5 ♞d7 38 ♞×d7† ♖×d7 39
f6 ♖f7 40 d6 ♖f8 41 f7 ♞c4 42 ♝×c4 ♖×c4 43
♖ae1 ♖cc8 44 d7 ♖cd8 45 ♖e8 ♔c7 46 ♖c1†
♔×d7 47 ♖d1† ♔c7 48 ♖d×d8 ♖×f7 49 ♖c8†
♔b6 50 ♖g8 ♖d7 51 ♖g6† ♔b5 52 ♖c1 ♖d4
53 ♖b1† ♔a4 54 ♖×b7 a5 55 ♖b1 ♞a3 56
♖a1† ♔b3 57 ♖×a5 1–0

Mephisto Modular S — B11
D84/07 09 Bg3

1 d4 ♞f6 2 c4 g6 3 ♞c3 d5 4 ♝f4 ♝g7 5 e3
O-O 6 c×d5 ♞×d5 7 ♞×d5 ♛×d5 8 ♝×c7
♞a6 9 ♝g3 ♝f5 10 ♛a4 ♝d7 11 ♛a3 ♝f6
12 ♞f3 ♝g4 13 ♝e2 ♞b8 14 ♛b3 ♛×b3 15
a×b3 ♖c8 16 ♝c4 ♝×f3 17 g×f3 ♞c6 18 O-O
e6 19 ♖fc1 a6 20 ♝d6 ♖d8 21 ♝c5 a5 22
♝b5 ♖d5 23 ♝×c6 ♖g5† 24 ♔f1 b×c6 25 b4
a4 26 f4 ♖h5 27 ♔g2 ♖h4 28 h3 ♖h5 29 f3
♖f5 30 ♖c4 ♖d5 31 ♖c3 ♖f5 32 ♖ca3 g5 33
f×g5 ♝×g5 34 f4 ♝f6 35 ♖×a4 ♖d8 36 ♖a7
♖fd5 37 ♖c7 ♖8d7 38 ♖×c6 ♖d8 39 b5 ♖b8
40 b6 ♖dd8 41 ♖c7 h6 42 b7 ♖e8 43 ♔f3
♝h4 44 ♝a7 ♖bd8 45 ♖ac1 ♝e7 46 ♖c8
♝d6 47 ♖×d8 ♖×d8 48 ♖c8 ♖f8 49 ♝c5
♝×c5 50 d×c5 ♔g7 51 c6 ♖×c8 52 b×c8♛ 1–0

Turbo 640 — Turbostar Comp X
D43/01 05 c:d5

1 d4 ♘f6 2 c4 e6 3 ♘f3 d5 4 ♘c3 c6 5 cxd5 exd5 6 e3 ♗b4 7 ♗d2 O-O 8 ♗d3 ♗g4 9 O-O ♕d6 10 h3 ♗xf3 11 ♕xf3 ♗a5 12 ♘b5 ♕d8 13 ♗xa5 ♕xa5 14 ♘c3 ♘bd7 15 ♖ab1 ♕b6 16 ♗f5 ♖fe8 17 b4 a6 18 a4 ♕c7 19 a5 ♕d6 20 ♖fc1 h6 21 ♖f1 ♔f8 22 ♖fc1 ♔g8 23 ♖b2 ♔f8 24 ♕e2 ♘e4 25 ♘a4 ♘ef6 26 ♖bb1 ♔g8 27 ♘c3 ♘e4 28 ♘xe4 dxe4 29 ♕c2 ♖ad8 30 ♕b3 ♘f6 31 ♖c5 ♘d5 32 ♕c2 ♘e7 33 ♗g4 ♖d6 34 ♕c4 ♕g5 35 ♗e2 f5 36 ♖c1 ♖ed8 37 ♔f1 f4 38 exf4 ♕xf4 39 ♔g1 ♖f6 40 f3 ♖f7 41 ♖b1 ♘e3 42 ♕c3 exf3 43 ♗xf3 ♖xd4 44 ♔h1 ♖dd7 45 ♕b3 ♔h8 46 ♖cc1 ♖d6 47 ♖e1 ♖d3 48 ♕a4 ♖d2 49 ♕b3 ♖d3 50 ♕e6 ♖f5 51 ♕e4 ♖dd5 52 ♕xf4 ♖xf4 53 ♗g4 ♔h7 54 ♖ed1 ♖xd1† 55 ♗xd1 ♔g6 56 ♔g1 ♔f6 57 ♗f3 ♘c4 58 ♔f2 ♘d2 59 ♖b2 ♘xf3 60 gxf3 ♔f5 61 ♔g3 g5 62 ♖b1 ♖c4 63 ♖b2 ♖d4 64 ♖b1 ♖d2 65 ♖e1 h5 66 h4 ♖d4 67 ♖e4 gxh4† 68 ♖xh4 ♖xh4 69 ♔xh4 ♔g6 70 f4 ♔f5 71 ♔g3 ♔e4 0-1

Round 6
June 23, 1985

Novag Y — Fidelity Elite XC
A03/01 02 g3

1 f4 d5 2 g3 ♘c6 3 ♗g2 ♘f6 4 ♘f3 e6 5 d4 ♗b4† 6 c3 ♗d6 7 O-O O-O 8 ♘e5 ♗d7 9 ♘xd7 ♕xd7 10 ♕d3 ♘g4 11 h3 ♘f6 12 ♔h2 ♘e7 13 ♘d2 ♘f5 14 e4 dxe4 15 ♘xe4 ♘d5 16 ♗d2 ♗e7 17 ♖fe1 a5 18 ♖e2 h5 19 ♕f3 h4 20 g4 ♘h6 21 c4 ♘b4 22 ♗xb4 axb4 23 ♕e3 c6 24 ♘d2 ♗f6 25 ♘f3 ♖fd8 26 ♖d2 ♕c7 27 ♔g1 ♗e7 28 ♘e5 ♖a5 29 b3 ♖aa8 30 ♖e1 c5 31 d5 exd5 32 cxd5 c4 33 ♔h2 c3 34 ♖c2 ♖dc8 35 ♘c4 ♗c5 36 ♕e5 ♕d7 37 ♕h5 ♕c7 38 ♘e5 ♗d6 39 ♖e4 ♖e8 40 ♖c4 ♕e7 41 ♖e4 ♕c7 42 ♗f3 f6 43 ♖c4 ♕b8 44 ♘g6 b5 45 ♖d4 ♕b6 46 ♖d3 ♖e1 47 ♖g2 c2 48 ♕xh4 c1♕ 49 ♕f2 ♗xf4† 50 ♘xf4 ♖h1† 51 ♔g3 ♕xf4† 52 ♔xf4 g5† 53 ♔g3 ♕d6# 0-1

Belle — Bebe
B22/17 06. Bd7

1 e4 c5 2 c3 d5 3 exd5 ♕xd5 4 ♘f3 e6 5 d4 ♘c6 6 ♘a3 ♗d7 7 ♗c4 ♕e4† 8 ♕e2 ♕xe2† 9 ♗xe2 cxd4 10 ♘b5 O-O-O 11 ♘bxd4

♘xd4 12 ♘xd4 ♘f6 13 ♗f4 ♗c5 14 O-O ♘d5 15 ♗g3 e5 16 ♘b3 ♗d6 17 ♖ad1 ♗e6 18 ♗f3 ♘f6 19 ♖fe1 ♖he8 20 ♖e3 ♗g4 21 ♖xd6 ♖xd6 22 ♗xe5 ♖d7 23 ♗xf6 ♖xe3 24 fxe3 ♗xf3 25 ♗d4 ♗d5 26 ♗xg7 ♗xb3 27 axb3 ♖d1† 28 ♔f2 ♖d2† 29 ♔f3 ♖xb2 30 b4 a6 31 h4 ♖c2 32 g4 ♔d7 33 ♗d4 ♖h2 34 h5 ♔e6 35 e4 f6 36 ♔f4 ♖e2 37 ♗b6 ♖d2 38 ♗d4 ♖h2 39 ♗b6 ♖d2 40 ♗d4 ♖h2 41 ♗b6 ♖c2 42 ♗d4 h6 43 ♔e3 ♖a2 44 ♗c5 ♔f7 45 ♗b6 ♖g2 46 ♔f3 ♖c2 47 ♗d4 ♔e6 48 ♔e3 ♖a2 49 ♗c5 ♔f7 50 ♗b6 ♖g2 51 ♔f3 ♖d2 52 ♔e3 ♖c2 53 ♗d4 ♔e6 54 ♔f3 ♖d2 55 ♔f4 ♖d3 56 e5 fxe5† 57 ♗xe5 ♖d7 58 ♔e4 ♖d8 59 ♗f4 ♖g8 60 ♔f3 ♖c8 61 ♗d2 ♔e5 62 ♔e2 ♖c6 63 ♔e3 ♖d6 64 c4 ♘f6 65 ♔e2 ♖xd2† 66 ♔xd2 ♔g5 67 ♔e3 ♔xg4 68 ♔e4 ♔xh5 69 ♔f5 ♔h4 70 ♔f4 h5 71 ♔f3 ♔g5 72 ♔g3 h4† 73 ♔h3 ♔h5 74 ♔g2 ♔g4 75 b5 axb5 76 cxb5 b6 77 ♔h2 ♔f5 78 ♔h3 ♔e6 79 ♔xh4 ♔d5 80 ♔g5 ♔c5 0-1

Novag Quattro X — Fidelity Elite XA
A03/09 06 d4

1 f4 d5 2 ♘f3 ♘f6 3 e3 g6 4 c4 ♗g7 5 ♘c3 O-O 6 d4 ♘c6 7 ♗e2 ♗f5 8 O-O dxc4 9 ♗xc4 ♕d6 10 ♘e5 e6 11 g4 ♘xg4 12 ♘b5 ♕b4 13 a3 ♘xe3 14 ♗xe3 ♕e7 15 ♘xc6 bxc6 16 ♘c3 ♖ab8 17 b4 ♕d6 18 ♘e2 ♗h3 19 ♖e1 ♗g4 20 ♕d2 ♖fd8 21 ♘g3 ♗xd4 22 ♘e4 ♕xf4 23 ♕xd4 ♖xd4 24 ♗xf4 ♖xc4 25 ♘f6† ♔g7 26 ♗xc7 ♖a8 27 ♗e5 ♗f5 28 ♖ad1 ♖c2 29 ♖d7 g5 30 ♘d5† ♔f8 31 ♗d6† ♔g8 32 ♘e7† ♔g7 33 ♘xf5† exf5 34 ♖ee7 ♖f8 35 ♖e5 ♔f6 36 ♖xf5† ♔xf5 37 ♗xf8 ♖c1† 38 ♔f2 ♖c2† 39 ♔f1 ♔e6 40 ♖d6† ♔f5 41 ♖h6 ♖a2 42 ♖xh7 f6 43 ♖xa7 ♖xh2 44 a4 ♖h1† 45 ♔e2 g4 46 ♖g7 ♖h2† 47 ♔e3 ♖h3† 48 ♔d4 ♖h8 49 ♗c5 ♖h1 50 a5 ♖a1 51 ♔d3 ♖f1 52 a6 ♖d1† 53 ♔c2 ♖h1 54 a7 ♖h2† 55 ♗f2 ♖h8 56 ♖b7 g3 57 ♗d4 c5 58 ♖b8 ♖h2† 59 ♔b3 cxd4 60 a8♕ ♔f4 61 ♕d5 1-0

Mephisto Modular — Novag Super Con X
A34/09 07 Q:d8+

1 c4 c5 2 ♘c3 ♘f6 3 ♘f3 d5 4 cxd5 ♘xd5 5 d4 cxd4 6 ♕xd4 ♘xc3 7 ♕xd8† ♔xd8 8 bxc3 ♘c6 9 e4 f6 10 ♗e2 e5 11 O-O ♗c5 12 h3 ♗e6 13 ♖b1 ♔c7 14 a4 ♖hd8 15 ♗b2 ♗a2 16 ♖bc1 ♗b3 17 ♗d1 ♗c4 18 ♖e1 ♗f7 19 ♗e2 ♗g6 20 ♘c4 ♖d6 21 ♗d5 ♘e7 22 ♘d4 ♔b8 23 ♘e6 ♗xe4 24 ♗b3 ♗xf2† 25

♔×f2 ♖d2† 26 ♖e2 ♖×e2† 27 ♔×e2 ♗×g2 28
♖g1 ♗d5 29 ♗×d5 ♘×d5 30 ♖×g7 a6 31
♖×h7 ♘a7 32 c4 ♘b6 33 ♘c5 ♘b8 34 ♔d3
♖d8† 35 ♔c3 ♔a8 36 a5 ♘c8 37 ♘×b7 ♖d4
38 c5 ♘b8 39 c6 ♘a7 40 ♘c5 ♘×c6 41
♘×a6† ♔a8 42 ♘c7† ♔b8 43 a6 ♖a4 44
♔b3 ♖b4† 45 ♔a3 ♖b6 46 ♗c3 f5 47 ♗e1
♖b1 48 ♗f2 ♘d4 49 ♗×d4 e×d4 50 ♔a2 ♖b6
51 a7† ♔×a7 52 ♘d5† ♖b7 53 ♖×b7† ♔×b7
54 h4 ♔c6 55 h5 d3 56 ♘c3 f4 57 h6 f3 58
♘d1 ♔d5 1–0

Turbo Kasparov — Fidelity Avante Garde
B22/15 09 Bg5

1 e4 c5 2 c3 d5 3 e×d5 ♕×d5 4 d4 e6 5 ♘f3
♘c6 6 ♗d3 ♘f6 7 O-O ♗d7 8 d×c5 ♗×c5 9
♗g5 ♘e5 10 ♘×e5 ♕×e5 11 ♕c1 ♗d6 12 g3
♗c6 13 ♗c2 ♗c5 14 ♗e3 ♕d5 15 f3 O-O 16
♔g2 ♗×e3 17 ♕×e3 ♘g4 18 ♕c1 ♕c5 19 b4
♕e3 20 ♘d2 ♕e2† 21 ♔h3 ♕×h2† 22
♔×g4 e5 23 ♕e1 ♗d7† 24 ♗f5 h5† 25 ♔g5
f6† 26 ♔g6 ♗e8# 0–1

Mephisto Modular S — Fidelity PC X
C50/08 05. O-O

1 e4 e5 2 ♘f3 ♘c6 3 ♗c4 ♗c5 4 d3 ♘f6 5
♘c3 O-O 6 O-O d6 7 ♘a4 ♘a5 8 ♘×c5
♘×c4 9 d×c4 d×c5 10 ♕×d8 ♖×d8 11 ♗g5
♖e8 12 ♗×f6 g×f6 13 ♖ad1 ♗e6 14 b3 ♔g7
15 ♖d2 a6 16 a4 f5 17 e×f5 ♗×f5 18 ♘h4
♗e6 19 h3 ♖ad8 20 ♖fd1 ♖d4 21 ♘f3 ♖×d2
22 ♖×d2 f6 23 ♔h2 e4 24 ♘e1 ♔h6 25 g4
♔g5 26 ♔g3 h5 27 f4† ♔h6 28 f5 ♗c8 29
♔f4 h×g4 30 h×g4 b6 31 c3 ♗b7 32 ♖d7 e3
33 ♖×c7 ♖e4† 34 ♔g3 ♗a8 35 ♖f7 b5 36
♖×f6† ♔h7 37 ♖×a6 b×c4 38 ♖a7† ♔h6 39
♘f3 ♖×g4† 40 ♔×g4 1–0

Turbostar Comp X — Novag X
B20/01 02 Bc4

1 e4 c5 2 ♗c4 e6 3 ♘c3 ♘f6 4 ♕e2 ♘c6 5
♘f3 ♘b4 6 d4 c×d4 7 ♘×d4 ♘c6 8 ♘×c6
b×c6 9 O-O d5 10 e×d5 c×d5 11 ♗b5† ♗d7
12 ♗g5 ♗e7 13 ♗×f6 g×f6 14 ♖ab1 ♗×b5 15
♕×b5† ♕d7 16 ♕×d7† ♔×d7 17 a3 ♖hc8 18
♖fd1 ♗d6 19 g3 ♗e5 20 ♖d2 ♗×c3 21 b×c3
♖×c3 22 ♖b7† ♔c7 23 ♖×c7† ♔×c7 24 ♖d4
♔b6 25 ♖g4 ♖c8 26 ♖g7 ♖×c2 27 ♖×f7
♖c1† 28 ♔g2 ♖c7 29 ♖×f6 ♖e7 30 ♔f3 ♔b5
31 ♖f4 e5 32 ♖b4† ♔c5 33 ♔e3 e4 34 ♖b8
d4† 35 ♔e2 ♖d7 36 h4 d3† 37 ♔d2 ♖f7 38
♔e3 ♖f3† 39 ♔×e4 d2 40 ♖d8 ♖×f2 41 ♔e3
♖g2 42 ♔f3 ♖h2 43 ♔e3 ♔c4 44 ♖×d2

♖×d2 45 ♔×d2 ♔d4 46 h5 ♔e4 47 ♔e2 h6
48 a4 a6 49 a5 ♔e5 50 ♔e3 ♔f5 51 ♔f3
♔f6 52 g4 ♔e5 53 ♔e3 ♔f6 54 ♔f4 ♔g7
55 ♔e5 ♔f7 56 ♔d6 ♔f6 57 ♔c6 ♔e6 58
♔b6 ♔d6 59 g5 h×g5 60 h6 1–0

Mychess II X — Turbo 640
C05/17 09 Qh5+

1 e4 e6 2 d4 d5 3 ♘d2 ♘f6 4 e5 ♘fd7 5
♗d3 c5 6 c3 ♘c6 7 ♘e2 f6 8 ♘f4 ♕e7 9
♕h5† ♕f7 10 ♕×f7† ♔×f7 11 e×f6 c×d4 12
f×g7 ♗×g7 13 c4 d×c4 14 ♗×c4 ♘de5 15 ♗b3
♗h6 16 ♘h5 ♖g8 17 ♘g3 ♘d3† 18 ♔e2
♘ce5 19 ♗c2 ♘×c1† 20 ♖a×c1 d3† 21 ♗×d3
♘×d3 22 ♖c7† ♔g6 23 ♘f3 ♘f4† 24 ♔f1
♗g7 25 ♔g1 ♗×b2 26 h3 ♘d5 27 ♘h4†
♔h6 28 ♖c2 ♘f6 29 ♘f3 ♗d7 30 ♔h2 ♖ac8
31 ♖d2 ♗c3 32 ♖e2 ♖ce8 33 ♖b1 b6 34 ♘e5
♗×e5 35 ♖×e5 ♘c3 36 ♖b3 ♖c8 37 f4 ♖c4 38
♖a3 a5 39 ♖b3 b5 40 f5 e×f5 41 ♘×f5† ♗×f5
42 ♖×f5 ♔g6 43 g4 ♖d8 44 ♖a3 a4 45 ♖×c3
♖×c3 46 ♖f2 ♖dd3 47 ♔g2 ♖g3† 48 ♔f1
♖c1† 49 ♔e2 ♖a1 50 a3 ♖×h3 51 g5 ♔h5 52
g6 h×g6 53 ♖g2 0–1

Mephisto Exclusive S — B11
C55/07 09 B:c7

1 e4 e5 2 ♘f3 ♘c6 3 ♗c4 ♘f6 4 d4 e×d4 5
e5 ♘g8 6 ♕e2 ♕e7 7 ♗f4 f6 8 e×f6 ♘×f6 9
♗×c7 d6 10 ♕×e7† ♗×e7 11 ♗b5 ♘d5 12
♗a5 ♗f6 13 O-O d3 14 c4 ♘f4 15 ♗c3
♘e2† 16 ♔h1 ♗×c3 17 ♘×c3 ♘×c3 18 b×c3
O-O 19 ♖ad1 ♘a5 20 ♖×d3 ♗g4 21 ♖e1 a6
22 ♗a4 ♗×f3 23 g×f3 ♘×c4 24 ♗d7 ♘e5 25
♖×d6 ♘×f3 26 ♖e7 ♘g5 27 h4 ♖f7 28 ♖×f7
♘×f7 29 ♖b6 ♘d8 30 h5 ♖b8 31 c4 h6 32 c5
♖a8 33 f4 ♔f8 34 ♔g2 ♔e7 35 ♗f5 a5 36 a4
♔f8 37 ♔f3 ♔e8 38 ♔g4 ♔f8 39 ♖b5 ♖a7
40 ♗c8 ♔e7 41 ♔f5 ♔e8 42 ♔g6 ♔f8 43
♔h7 ♔f7 44 ♖b2 ♘e6 45 ♗×e6† ♔×e6 46
♔g6 ♔d5 47 f5 ♔×c5 48 ♖b5† ♔c6 49
♔×g7 b6† 50 ♔×h6 ♖f7 51 ♖e5 ♔d6 52
♖e6† ♔c5 53 f6 ♖d7 54 ♔g6 ♖d1 55 f7
♖g1† 56 ♔f6 ♖f1† 57 ♔g7 ♔c4 58 ♖f6
♖g1† 59 ♔h6 ♖b1 60 f8♕ 1–0

ADDENDUM TO GAMES FROM U.S. COMPUTER CHESS CHAMPIONSHIP

The following game was inadvertantly ommitted from the section containing the games from the 1st U.S. Open Computer Chess Championship:

Round 2
White: Turbostar X
Black: Turbostar Kasparov

1.d4	Nf6		40.Ba6	Bd8
2.c4	e6		41.Bb5	Bg5
3.g3	d5		42.ba	Kf8
4.Bg2	dc		43.a6	Rc7
5.Qa4+	N8d7		44.Bd3	Rd7
6.Nf3	a6		45.Rb2	Rd3
7.Nc3	c5		46.a7	Ra3
8.O-O	Rb8		47.Rb8+	Ke7
9.Qc4	b5		48.a8Q	Ra8
10.Qd3	Bb7		49.Ra8	Kd6
11.Be3	cd		50.Ra6+	Ke7
12.Bd4	Bc5		51.Ra7+	Kf6
13.Rfd1	O-O		52.Kf3	Bd2
14.Rac1	Qe7		53.Rb7	Bc3
15.Bf6	Nf6		54.Ke4	h5
16.Qc2	Rfd8		55.Kd3	Ba1
17.h3	Rbc8		56.Ra7	Be5
18.Rd8+	Rd8		57.Rd7	g5
19.e4	Bb4		58.Ke4	Bc3
20.e5	Nd7		1/2 - 1/2	
21.Re1	Nc5			
22.Re3	Ba5			
23.a3	Bb6			
24.b4	Nd7			
25.Re2	Bf3			
26.Bf3	Qg5			
27.Kf1	Ne5			
28.h4	Qf6			
29.Be4	Nc4			
30.Qc1	Bd4			
31.Nd1	Be5			
32.Ne3	Rd4			
33.Nc4	Rc4			
34.Qe3	Bd4			
35.Bg5	Qg5			
36.hg	Rc1+			
37.Kg2	Rc3			
38.Ra2	Bb6			
39.Bb7	a5			

PITY THE POOR COMPUTER CHESS BUYER - CHAPTER 4
by Steven A. Schwartz

Hello there again, bang-your-head-against-the-wall fans, or do you have membership in the between-a-rock-and-a-hard-place club, or maybe, like the rest of us, you are a lifetime subscriber to the Murphy Law Periodical. No matter what type of paranoia you experience, getting a dose of the Computer Chess Business makes those, "They're out to get me" symptoms seem small by comparison.

We have discussed at considerable length in the 1983, 1984, and 1985 Computer Chess Digests the assorted improprieties that have been perpetrated upon the poor (sometimes rich), unsuspecting buyer of computer chess equipment. If you have been following my articles, there is no reason to summarize; however, for those of you that are joining me for the first time, if this nonsense really intrigues you, you might consider picking up one of the back issues. Contrary to popular belief, I do not get a commission on sales, but what writer does not like a larger audience? In fact, since you, the buyer of computer chess, are purchasing this Reports, you must have some computer chess purchase horror story to relate. I would love to hear from you. Maybe we can write the next article collectively. I would venture a guess that fully half, maybe three quarters, of you have had a defective chess computer at some point in time or perhaps you were sucked into purchasing a computer chess opponent because someone selling it (or at least the manufacturer) claimed that it could beat 50 Bobby Fischers in a simultaneous WITH QUEEN ODDS YET! Of course, after you laid down your hard-earned money, you found that the Bobby Fischer referred to was the 3 year old son of Irving and Yetta Fischer of The Bronx, a young man who knows as much about chess as he does about sex!

"So what has the computer chess field done for us lately?" you ask. Well let's take a look.

The strength of the U.S. dollar has created some interesting situations. It has allowed Mephisto to market units in the U.S. Units that last year would have been priced out of our market. It has allowed SciSys to bring the price of the TurboStar down below that of the other 2000 rated chess computers. Interestingly enough, Novag has chosen not to lower their prices due to the strong dollar; it seems obvious that the larger profits are being taken by the manufacturer and not being passed on to the American consumer. The most interesting result of the current currency situation has been the actions of a small company in Canada. We shall call this organization EGE (their initials will suffice for the purposes of this article). EGE is one of two Novag

distributors (importers) in Canada, and its head honcho, perhaps the only honcho, decided that since the dollar was worth so much relative to Canadian currency, why not transport Novag product across the border and sell it here. The fact that Novag Industries Ltd. in Hong Kong expressly forbids such grey market activity was apparently of no consequence to Honcho.

All of a sudden, a new mail-order computer chess business sprouted up. Here was a new company (at least I had never heard of them before) selling chess books, chess related paraphernalia, and, lo and behold, Novag chess computers. Where were they getting these units from? There are only two authorized distributors (importers) in the U.S., and neither supplied GC (the new American arm of EGE). There were about three days of intense detective work before the reality of the situation became clear. Here was a company located in a little town just off the Canadian boarder. Their first advertising indicated prices that were realistic and comptitive, but things (and prices) went downhill mighty quickly when they realized that it is not a simple matter competing with long established companies with excellent reputations. In about two month's time, GC, the U.S. arm of the Canadian company EGE was trying to sell Super Constellations for about 30% below list and 10% below the standard prevailing discount prices.

What the poor, unsuspecting customer did not know was that his Super Constellation was coming to him through a Canadian distributor, and as a result it was not coming with a valid U.S. warranty. So, despite the fact that GC was claiming to offer authorized warranty service, it was authorized by no one and especially not Novag who informed EGE of Canada that they should cease and desist this transshipping immediately. The biggest problem here is that if GC does not stay around, what will happen to the machines they sold to unsuspecting customers when they need repair? Hopefully, units will not have to be shipped into Canada for service.

Then we have venture #2- again upstate New York, but this time having nothing to do with Canada. Out of nowhere came a new company named MCCP (initials are fun, aren't they?) Here was a gentleman who a short time ago was a customer of I.C.D. He was a customer who needed things yesterday, who was serviced when he had questions or problems, who was treated royally now selling against the company from whom he used to depend for information and service. Imitation is the greatest form of flattery, and here was a former customer (another uni-honcho operation) answering questions about the relative strengths of the various computers. He appeared to spend most of the time pushing the Elite A/S and negating the abilities of the Super Constellation. That may have

been a direct result of not being able to obtain Novag product. His uphill business venture must have been further complicated by the poor quality control on many early Elites. Because of a storage miscalculation on Fidelity's part, a great percentage of Elites arrived at their destinations without all LED's working. Fidelity corrected that problem shortly after we brought it to their attention, but if this gentleman sold any Elite product at all, he must have experienced, first hand, the thrill of the computer chess industry's inability to "make it right the first time!" One other odd fact was that he claimed all shipping was done through the post office instead of UPS because, he stated, units arrived at their destinations quicker and with less damage. Now, as someone who has a handle on shipping methods, I can assure you that that concept is about as far from reality as one can get. What would one suppose was the real reason? To the best of my knowledge, MCCP has given up his quest to become a billionaire in the computer chess field. We all wish there were that much money in this field to go around! One has a substantially greater opportunity of becoming rich by buying lottery tickets than by taking part in the Wonderful World of Computer Chess !

So much for new ventures. Let us take a look at a name from the past: Conchess. Remember the chess computer that was the first to offer unlimited upgradeability; you know, the one that after making all of these promises of immortality, went bankrupt. We remember those claims because we advertised many of them. Boy, do we wish we had a crystal ball sometimes. Well, someone bought up the entire stock of Conchess at dirt-cheap prices, claimed rights to the Princhess program which tied for first at the 1984 World Microcomputer Championships in Glasgow, Scotland, and attempted to resurrect the product line. Unfortunately, however, Mephisto also staked claim to the Princhess program, and they proceeded to incorporate it into their new "infinitely upgradeable" systems: Modular and Exclusive. (One begins to wonder if there is some ancient curse associated with claiming chess computers are modular or upgradeable- something like "Raiders of the Lost Ark". Perhaps the Almighty has proclaimed that using the term "upgradeable" shall result in plague and famine for the guilty party. Tune in next week and find out if Mephisto (which, interestingly, stands for "the Devil", can overcome the curse that has distroyed so many others.) Naturally, the new owners of Conchess were not particularily delighted with Mephisto. In fact, they claimed that Mephisto, under the pretense of working in cooperation with Conchess, stole the program. Mephisto, of course, claims undisputed rights to the program, and we claim not to know enough to tell who is straight and who is acting like chess computer companies usually act.

Nevertheless, we were given a very interesting choice: one never before presented to us. Here we had two different companies with two different computer chess playing machines BOTH WITH THE SAME PROGRAM. What does one do? One can import both companies' products, one company's product, or neither company's product. What would you do? On one hand, Conchess came and went from the U.S. market in less than a year. Their product was below average in reliability with a particularly high percentage of machines crashing due to both mechanical and electrical problems. They never did establish a service center in the U.S., and their future was hazy, to say the least. When we met with the new Conchess representative, we were frank. Why would he want to spend thousands and thousands of dollars on a project that was unsuccessful the last time around? His answer was that it was a gamble; we sort of felt, and still do, that the odds against success were astronomical.

On the other hand, Mephisto is backed by a company that is a member of the German Stock Exchange (no easy feat). Its products always showed themselves to be beyond reproach in reliability. When they entered the American market three years ago, they did so by immediately assigning a service center, and their products offer more features and functions, with a hint of future upgrades (I should bite my tongue), than Conchess. Despite the fact that we had a choice of companies, there really was no choice.

Being in the center of the computer chess world is interesting. It allows for views of all sides of an issue. One particular issue needs to be addressed and where better to do addressing than here. Have you noticed a lack of chess computers that do any claiming of "Official" ratings. Why is this, you ask. From speaking to hundreds of people a day, I gather that the consensus out there is that the Novag Super Constellation is the only strong chess computer on the market (many of you say THE strongest) because it is the only chess computer that advertises, "Officially rated by the United States Chess Federation at 2018." Why does this situation exist? To the best of our knowledge it exists because last year Novag was the only company that agreed to pay a "fee" to have its unit rated officially. We understand that the "fee" is about $2000. That's TWO THOUSAND DOLLARS - a two and three zeros. Can you imagine if they required that sum of humans who wished to be rated? Given all rated players paying this "fee", The Chess Federation would be able to turn the World Trade Center (BOTH buildings) into their new offices with money left over to purchase, outright, the Empire State Building. In fact, if they were to purchase the right buildings in the right locations, they could create the undisputed largest chess set in the world. Nevertheless, last year, when Novag consented to the payment, Fidelity and SciSys rejected the idea. Each company

thought that the payment was much too large. This year, apparently, Fidelity is going to give into the pressure and spend the money, but who is going to protect the consumer from testing of machines that are "souped up"! Who is going to tear these machines apart and assure us that the "official" ratings were not given to machines that are not absolutely identical to production units? What is going to stop any manufacturer from entering a six MHz machine in place of a three MHZ machine. Who is going to check to make sure the program is identical to production programs? What is to stop the "Official" rating of chess computers from becoming what Chess Computer Championships have become: simply a show of potential ability regardless of cost. When we purchase a chess computer, we want to know what THAT computer's rating is - not the rating of some experimental computer that LOOKS the same but may have cost $25,000 to build.

If you recall my article in the 1983 Digest, you will remember the discussion of the "official" rating of the Champion Sensory Challenger at 1771, and how it was very possible that the unit that the Federation ACTUALLY tested (unknowingly, of course) was a version running at twice the speed of the commercially available unit. At that time, $2000 was not required, but will the two grand guarantee that the wool will not be pulled over our eyes; I doubt it. What do you think?

Let us analyze the purpose of giving a chess computer an official rating. It seems to me that it serves only one purpose: to allow the consumer to receive accurate information pertaining to the respective playing strengths of all the chess computers on the market. This process of testing, when accurately done, would make the selection of a chess computer by the consumer easy. If there were five computers rated between 2000 and 2050, then Class A and Experts could, with confidence, select any of the five and enjoy some serious, competitive chess. Perhaps, for a change, the selection of a computer opponent could be made based upon features and functions. But utopia is not easily reached.

It appears that the ACTUAL purpose of giving a chess computer an official rating is to make money. If the $2000 "fee" scared away all manufacturers but one (and even Novag was forced to enter only one model), what was accomplished? The Chess Federation was $2000 richer and Novag sold many Super Constellations, but the public (and especially the MEMBERS of the Federation) were negatively enlightened. "Novag Super Constellation was the very strongest chess computer officially rated by the Chess Federation," one might say. One might also choose to say that it was the ONLY unit rated. There is no intent here to discredit the abilities of the Super Constellation; it is a fine chess computer, but it is not the ONLY choice.

What we need is an agency that, like Consumer Reports, has ABSOLUTELY NO STAKE in the results of computer chess testing. We need testing done ONLY on units that are CURRENTLY available. Units should be purchased at retail outlets, and they should be compared against the same unit purchased from a second retail source. Manufacturers should not be allowed to submit computers, nor should they be permitted to operate machines or even be present while testing is ongoing. The testing should not be done by an organization that also sells them. The testing should be done on ALL units that are marketed in the U.S. and there should either be no fee or just enough of a fee to cover expenses. None of these prerequisites have ever proven to be overly important to those responsible for testing.

Computer chess tournaments are prime examples of the potential abuses available to those who wish to make use of them. I must admit that conditions are getting better. It used to be that there was a "commercially available" section in most computer chess tournaments. Now that tournament directors have seen the light (all the abuses that have taken place), the tournaments allow for experimental machines almost exclusively. Now, the more devious entrant no longer is enticed into surreptitiously souping up his computer; he can now do it legally. The tournament just held in Alabama is a prime example of such behavior. There was hardly a microprocessor chess player that was not forced to expose his entire mother board (chips and all) for fear that the ultra high (read "ultra-expensive") speeds would melt the unit if it were INSIDE the machine where it really belonged. The tournament was interesting to watch, for so much seemed to be at stake. And, indeed, a great deal was at stake. The winner would own the bragging rights. He could claim to be the strongest computer chess player on the face of the earth. There is money in them there words.

However, let us dig a bit more deeply. The recent Alabama tournament went a total of six rounds. Each computer was able to play only one-third of the competition and in some cases the computers were operated by outside help: people not very familiar with the computer's operation. The results, based upon these inherent weaknesses, should be highly questionable although there has to be a certain degree of merit to them. What most disturbs me is what is inevitably to come. The plethora of advertising proclaiming victory and showering of congratulations all over the place should make all of us nauseous because when you go to order your chess computer - the one that plays well and is reasonably priced - should you really even consider results that are, in fact, meaningless. One can liken this situation to the automobile racing field. Tire manufacturers do not hesitate to brag about

their track victories, but not only can't we afford those tires, they aren't even available. True, the technology and knowledge gained from the racing experience does eventually trickle down to our family sedans, but who is to say that some other manufacturer's technology has not surpassed it in the meantime.

The 1985 World Microcomputer Championships are being held in Amsterdam this September. It is rumored that manufacturers who did well in Alabama will not compete in Amsterdam (everything to lose, nothing to gain publicitywise). This attitude seems to confirm my hypothesis that these tournaments prove nothing. If the tournaments were capable of truly uncovering the best computer, why would the winner of one tournament hesitate to enter all others? The Computer Chess Digest has stated that 10 games is the absolute minimum needed to choose a winner, and now we believe that 20 games are necessary. Six games prove nothing. The excitement of the Computer World Championships is electric; the results are interesting; the true meaning of it all is dubious, to say the least.

Just recently, I.C.D., being an advertiser in Chess Life, the official publication of the United States Chess Federation, received a notice dated April 9, 1985 from the Federation, which, among other things, stated, "Also, beginning July 15, any estimated ratings of chess-playing computers must be very clearly labeled as estimates in all display advertising and bind-ins. If this information is missing from camera-ready art, we reserve the right to strip in a disclaimer." At first we resented the implication, but then we assumed that all advertisers were sent the same notice. And quite frankly, it couldn't hurt to make such a demand. However, since there was only one currently competitive high end unit actually "officially" rated, and since, as discussed earlier, the ratings fees were so high, and since there is no particular guaranty that rated units are identical to units actually being marketed, and since the organization doing the "official" ratings also happens to sell the same products, what makes "official" ratings any more or less accurate than anyone else's ratings. When I.C.D. takes two computers out of stock and hires independent people to run them against each other or against humans without imposing a cost penalty on the manufacturers and obtains results from hundreds of games, are they not serving the public better?

Apparently, the only ones who may not have received the Federation's note, were the Federation themselves. In the very next issue of Chess Life following the mailing of the notice, in the June, 1985 issue, the Federation advertised the Excellence by Fidelity for the first time. It was advertised twice in the same issue. The first time one came across the ad, it stated "Its

rating is estimated to be in the high 1900's or low 2000's."(both numerals were in dark type.) The second ad for the same product appeared a couple of pages later in the mailing envelope/insert. Here the Excellence was once again depicted. May I quote? "The new Excellence is a powerful class A or better chess partner." There was no "estimated" mentioned. In fact, where did this estimate of 1900/2000, class A/ expert (even if it was not called an estimate) come from. It is our understanding that there are, even at the time of this writing, no Excellences available for testing. The clue to the origin of the quote appears to show up in the next sentence, "Fidelity says that it is stronger than any other computer selling for under $250."

Now, I ask you; if the purpose of the notice was intended to rid the magazine of exaggerated claims that have been known to exist in this field, why did the Chess Federation see fit to perpetuate the very activity it was claiming to wipe out. Believe me, it is not easy to market a product and not exaggerate its ability. Unfortunately, the Federation has three conflicts of interest here. They are responsible to their members to accurately rate chess machines; they are also selling those machines; and, they, on top of all that, regulate what their competition can say about product. This situation gives true meaning to the term "omnipotent."

This edition of "Pity the Poor Computer Chess Buyer" has attempted to chronicle the events that have piqued our interest over the last 6 months. There are many events that have been omitted because of a combination of lack of space, lack of interest, or, more importantly, because one should never spend all of his ammunition. I was serious earlier when I said we ought to write the next chapter together. Not because I am lazy; I love this stuff, but because I tend to see things from a particular viewpoint; you out there are the ones REALLY getting screwed sometimes. Tell me about those times when you bought a chess computer that wasn't nearly what it was cracked up to be. Tell me about all the mind boggling experiences you have had trying to get a chess computer fixed. Tell me about any bitch you may have relating to this industry. After all, paranoia is the motivating emotion in this industry. Each among us is SO paranoid that when we attend a football game, and the players get into a huddle, we think they are talking about US. Join me, let's be paranoid together; I am sure that when, years hence, historians look back upon those of us associated with the computer chess business, they will agree that we had a PERFECT RIGHT to be paranoid.

Good Tacticians, Poor Stratagists
Gary Kasparov Plays 32 Chess Computers Simultaneously
Reported by Der Spiegel; #25 1985
English Translation by Herr George Rottmann
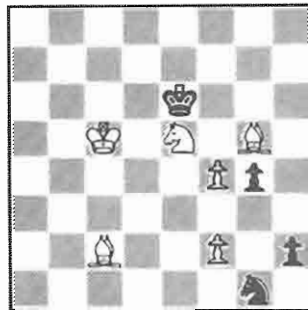
mate in 10

The one needs 29 minutes, to solve this problem, the other 25 years.

The one is 22 year old chess professional Gary Kasparov, who today ranks first in the world, and sooner or later, will probably become world champion.

The other one is the fastest of all chess computers that are available in German warehouses and distributor outlets.

And the problem which was given to both was a mate in 10. Kasparov's time on the stopwatch and the computer's time was estimated by the chess expert from Hamburg, Frederic Friedel, editor of the periodical "Chess and Games".

The mate problem belonged to a Spiegel test conducted by Friedel for the purpose of determining the playing strength of chess computers, and attempting to make it clear where the computers resemble each, and where they differ.

Kasparov took part in this computer test during his fortnight-long Hamburg visit as guests of the Spiegel. At another comparison, the world's best chess player was hopelessly inferior to all computers. Said Friedel: "When it came to solving simple problems (eg. mate in 2 or 3), Kasparov needed one to two minutes, the computer only a few seconds."

That the chess computers can solve easy problems with lightning speed and need years on more complicated problems has a plausible reason. The number of possibilities jumps with every move so that it is beyond imagination and the computing capacity of the computers.

For the first move of white in a chess game there are 20 possibilities, each pawn can be moved one or two fields. Each one of the two knights has two squares to choose from, with the counter move of black, the number of possible positions increases to 400. After the second move of white and black, there are

approximately 72,000, after the third, more than 9.1 million possibilities, and after the first 9 moves moves of a chess game, there are already 169,518,829,100,544,000,000,000,000,000 possible positions!

The most important contribution of Kasparov to the test was a simultaneous exhibition against 32 chess computers, particularly against eight computers of the four market dominating companies: Hegener & Glaser of Munich, Fidelity of Miami, USA, and Novag and SciSys of Hong Kong. On all 32 boards the chess genius from Baku was vicorious.

However disastrous the results, the computers were not without their chances. They held their own for quite a long time, and several came very close to a draw. Here and there, victory against Kasparov did not seem impossible. And the computer showed a few combinations and portions of the game that would have been comparable to chess masters.

With two further tests it should have been determined, whether the quality of chess computers has increased during the past few years as their manufacturers contend.

The Hamburger chess professional, Gisbert Jacoby, who beat in 1979 during a similtaneous exhibition 26 out of 27 computers, was asked by Der Spiegel six years later to play in another exhibition against 24 computers.

Jacoby did not make the last move after four hours (as in 1979), but after nine hours he won this time only 13 games, 6 ended in a draw, and 5 were lost by the trainer of the Hamberger Chess Club.

At another test, the playing strength of club players and computers were compared. This being determined by a system developed by the U.S. physicist Arpad Elo, and 1800-2000 Elo points were claimed by the manufactures for their top computers.

As club members with these ratings, they were playing against the computers with the people on the one side and the machines on the other side where each had approximately equal opponents. Isabel Hund, one of the four famous chess playing sisters from Leverkusen won a knight and a pawn, but the computer saved itself with a perpetual check for a draw. Good placements of computers in club tournaments and championships therefore is not accidental.

Until now, the opinion of 83,000 chess players of the Federal Republic, is that the computers are playing too weakly on the lower levels and too slowly on the higher levels. The companies, however, now see their chances of making their machines also acceptable to club players and equip them with several extras in order to use them as opponents in practice or speed chess, or as helpers in solving mate problems.

Der Spiegel test, limited the choice to only the strongest machines which are available today, and to a few test programs. For weaker players, there are other computers on the market, the

simplest ones for prices of $30-$50. The more expensive machines differ in their playing strength and weaknesses by not a great deal, as determined independently by Kasparov and Jacoby, and as evidenced by the results.

Against Jacoby, none of the manufacturers stayed without success. Hegener & Glaser scored three of six points, SciSys and Novag achieved two, and Fidelity one point. "But one or the other successes of a computer," says Jacoby, "was due more to my bad moves than as to their good moves." During the analysis of 32 games of Kasparov, and his own 24 games, Jacoby found a common property of the machines of the various companies: "These computers are all dangerous opponents, but other than as club players, they do not have equal levels." They play particularly well to brilliant when the problem is short and clear, as for example attack and counter attack or the capturing of a piece or Xhe mating of an opponent. In these instances they also make more dangerous moves than many club players would dare to.

Often they also play worse when they can neither attack nor are forced to defend themselves. Then they do not show any kind of a plan. Again and again it is evident that the computers are sharp-eyed and short-sighted at the same time. For the next second and third move they rarely miss a'chance; but what comes after is usually beyond their capacity. They are good tacticians, but poor strategists.

According to Kasparov and the manufacturers, a giagantic market will open up within a short time for these machines: "The Xoviet Union where there are 5 million chess club members but no chess computers."

For the time being, only in the west will there be a manufacturer by the name of Kasparov--an auxiliary program that will make it possible for computers to play openings in the style of the world championship challenger. A contract that the firm SciSys concluded with Kasparov permits the firm to use his name in their advertising someday.

Whether sometimes a big computer, as they are common in industry and science will play better chess than the world champion-- this question was put to Kasparov. As he firmly believes that he will take the title sooner or later from Karpov, he is also convinced that a computer will never be his successor. Kasparov:"It lacks intuition".

LOSING A WON GAME
Computer Games from the Kasparov and Jacoby Exhibitions

The best position of all 32 computers which played against the world's best chess player (ranked #1 on the Elo scale) Gary Kasparov, was achieved by SciSys Turbostar 432. The computer had one rook ahead, but on the 37th move, it gave away the great

chance to win against Kasparov.

      The position before this move (Kasparov played white):

Kasparov's last move was Bg4 which threatened the rook on d7. The computer decided to move his queen from a2 to b3. Kasparov did not have any difficulty winning the game thereafter.

Kasparov	Turbostar 432
37. ...	Qb3
38. Bd7	Qd1+
39. Kh2	Rf7
40. Be6	Kf8
41. h7	Nd6
42. h8Q+	Ke7
43. Bf7	Nf7
44. Qhg7	

    According to Kasparov, the computer could have won if he would have moved the queen to a4 instead of to b3 (37...Qa4, 38.Bd7 Qd7). An attack through the H pawn would have been avoided, and the computer would have been a knight ahead and his pawns on the queen side would have been dangerous.

    The Fidelity computer, Elite Privite, seemed to have been lost after 30 moves: it was down a pawn, Kasparov's rooks were threatening, and the end game is the weakness of the computers. But here the computer succeeded to better his unfavorable position so that Kasparov had to worry about winning. The computer resisted all attacks on his king. The position at the beginning of this phase (Kasparov as white):
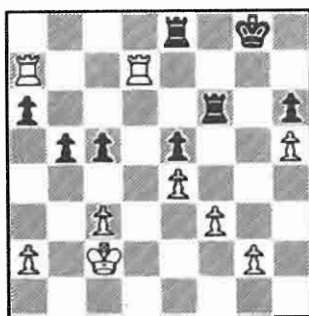
The change occured in two dozen moves:

Kasparov	Elite Private
31. Rg7+	Kf8
32. g4	R8e6
33. Rh7	Kg8
34. Rhc7	Rf3
35. Rc5	Rf7
36. Rc8+	Kg7
37. R7a8	Rf2+
38. Kb3	Rf4
39. Rg8+	Kh7
40. Rh8+	Kh7
41. Rag8+	Kf7
42. g5	hg
43. Rg5	Re4
44. Rh7+	Kf8
45. h6	Rh4
46. Rh8+	Ke7
47. Rg7+	Kd6
48. h7	R6h6
49. Rd8+	Ke6
50. R8d7	e4
51. Rge7+	Kf6
52. Kb4	e3+
53. Ka5	Ra4+
54. Kb6	Kf5
55. Kb7	

However, the computer's chances were dashed with a few bad moves, and with the 76th move, Kasparov won.

Against the Hamburger chess professional, Gisbert Jacoby, the Mephisto Modular of the Hegener & Glaser Company played an impressive game to the end. The machine refused to capture a piece because it computed a better continuation. After the 36th move, it announced a mate in four. The end phase of this game

(Jacoby White):

Jacoby	Mephisto Modular
29. ...	Nf3+
30. Qf3	Qe2
31. Qf7+	Kh8
32. Bc6	Rg8
33. Bd5	Qe5
34. Rf5	Qg3+
35. Kf1	Rge8
36. Be6	Rd1+
37. Ke2	Re1+
38. Kd2	Qe3+
39. Kc2	Qe4+
40. Kb3	Qa4 mate

A Novag computer, Constellation, could exchange with a beautiful combination of a bishop against a rook, and (thus the chess language) "win the exchange". The position before this combination (Jacoby White):

Jacoby	Constellation
18. ...	Qa6
19. Qb3	Qe2
20. Nb1	Bb2

```
21. Na3      Ba1
22. Ra1      Nf5
23. Bf1      Nd4
24. cd       Qh5
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The computer kept its slight advantage until Jacoby succeeded in gaining a draw by perpetual check on move 46.

THE COLDITZ TEST

Quick Witted Opponents-- New Records with Colditz Test

From the first issue of CSS (Computer Schach and Spiele), all strong chess micros have been subjected to the so called Colditz Test, with the help of which the playing strength of a machine can be fairly and reliably determined.

The tests conducted to date, including all additions by CSS readers, would have allowed a fairly complete intermediate result of almost all top chess computers if the data of an important program had not been missing. At an earlier date, these family machines were valued as tactically strong, but have actually attracted broad attention since the last micro chess world championship in Glascow: it concerns the programs of Ulf Rathsmann of Sweden, who together with young Lars Hjort, developed the new Conchess World Championship program at the firm "System Intergration" of Stockholm. This original World Championip program which is available through the firm of Christian Nitschkes "ees" in Munich in the form of the T-Cassette (6.6 MHz.).

The Mephisto speed chess and problem solving module B + P, also belongs to this program family , which although, working with a somewhat lower frequency of 4 MHz., is nevertheless a long awaited improvement for all those to whom the tactical strengths of selective programs appeared too low, since a short while ago, Mephisto owners can now play suspensfull speed chess, or can quickly conduct a problem analysis.

Magic Borderline Reached

To break the news right away: Conchess T breaks all records and now clearly leads the list of all test machines, closely followed by Mephisto B + P module, which of course belongs to the program group. At the same time these two computers -- and by no

means the Super'Constellation-- are the first machines which
could break the magic border of a tactical strength which only
players of more than 2000 ELO points posses. 1833 points or
estimated 2050 tactical ELO, signify a combination capacity
that would pale even most good club players (at least at certain
times). Even the Mephisto B + P would shock users of the series
III who are used to its leisurely pace with tactical attacks and
counter moves, that until now were not in evidence, especially
not at the lower playing levels.

Both computers, for instance, found Kasparov's winning move
against Csom (Bad Lauterberg, 1977, Colditz test problem # 119)
leisurely, in less than a minute, even though this move started a
6 move mate combination with a knight sacrifice, and which leads
to the mate only over a quiet intermediary move. For comparison:
even combination artists like the Elite Glascow, or the the Super
Constellation, needed close to 4 and 4 1/2 minutes respectively
for this tricky problem.

Intermediate Balance Sheet

With the pleasant test result, which definitely proves the
development of computers to a level of club players, an
intermediate balance sheet ought to be drawn. For this purpose, a
list was compiled that fulfills the wishes of many readers: a
survey over the human combination strength in ELO/INGO points
that corresponds to the Colditz test points, a list which should
facilitate a comparison for researchers that want to register
their own test points.

Of course not each possible result could be shown. However,
between 1400 and 2200 ELO in steps of 20 ELO are sufficient to
illustrate the value. the whole range, in which the Colditz test
allows relative reliable conclusions was covered this way, so
that with the help of this table it can quickly be converted into
the approximate ELO estimate. In the table, all the machines are
listed in the order ot their corresponding points. So one can see
at a glance the test results.

	Points	ELO Rating
Conchess T	1,839	2060
Mephisto B + P	1,830	2040
S. Constellation	1,745	1960
Const. 3.6 MHz.	1,724	1940
Elite A/S-C	1,681	1900
Constellation	1,660	1880
Turbostar 432	1,619	1820
Elite A/S (A)	1,619	1820
Playmatic	1,605	1800
Sensory 9	1,480	1680

TEST POSITIONS

1. Black to play and win.
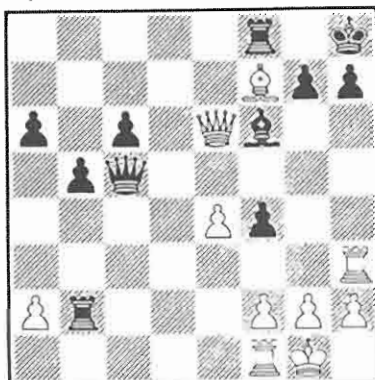
2. Black to play and win.
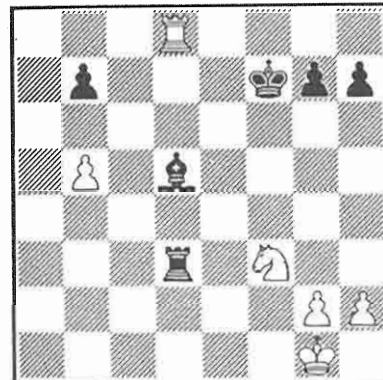
3. Black to play and win.
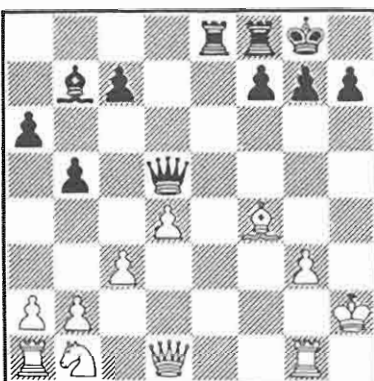
4. Black to play and win.
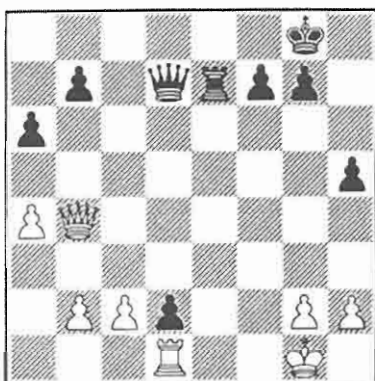
5. Black to play and win.
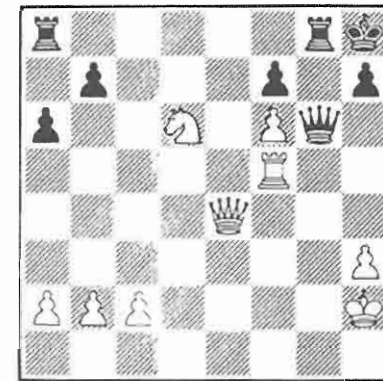
6. Black to play and win.
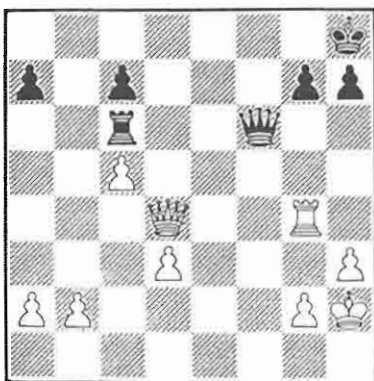
7. White to play and win.
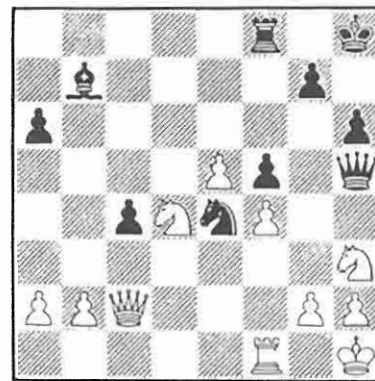
8. Black to play and win.
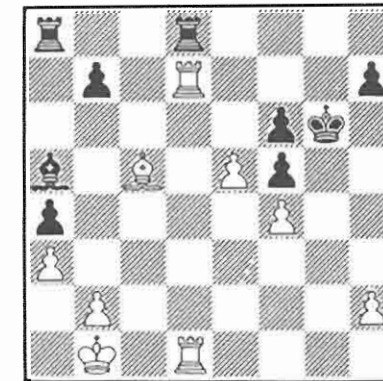
9. White to play and win.
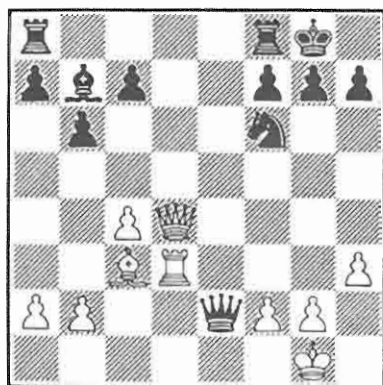
SOLUTIONS

1)   Although White threatens mate, Black
has a save with 1...Qh1+!   2.Kh1   Bf3+
3.Kg1   Rd1 mate.

2)   White threatens to mate in 4 moves, but
first come, first served. Black finds a
surprising   counter   attack: 1...Qf2+!
2.Rf2   Rb1+   3.Rf1   Bd4+   4.Re3   Be3+
5.Kh1   Rf1 mate.

10. White played Qf6   3)   Black wins material after a simple
then Black plays   move: 1...Rd1+   2.Kf2   Bf3.
to win.

4)   White has the possible attack squares
of the black queen under control, but Black finds a hole in the
defense: 1...Re1!   2.Qg4   Qh1+   3.Rh1   Rh1 mate.

5)   The blockade of d1 seems to have delayed indefinitely the
promotion of the passed pawn, but Black finds an elegant
solution: 1...Re1+   2.Re1   Qd4!   3.Qd4   deQ mate.

6)   White exploited the crowed position of the Black king by a
sudden attack: 1.Rg5!   Qf6   2.Qd4   Rg6   3.Rg6! with mate on
the next move.

7)   Here White takes advantage of Black's weak back rank: 1.Rf4
Qe7   2.Qd7   and wins.

8)   Black wins material by threatening to mate: 1...Qh3! If 2.gh,
Nf2+   3.Kg1   Nh3 mate.

9)   White has several possibilities to win the end   game
technically. But on the basis of the active position of his
pieces, he finds a mating attack which shortens the play
considerably: 1.Rg1+   Kh6   2.Bf8+!   Rf8   3.Rd3! with no way
to stop 4.Rh3 .

10)   White sacrificed a rook for the attack.   The idea behind
1.Qf6 is 1...gf   2.Rg3+   Kh8   3. Bf6 mate. The only way out
for Black is: 1...Qg4!, maintaining a material advantage.

The results of this Colditz test (see table displaying point
totals and ELO ratings of 10 chess computers) were based on a
total of 30 positions, which include the 10 positions above.

CHESS PROBLEMS

Many people use their chess computers to solve, or help them
to solve a variety of chess compositions, such as mate problems
and end game studies. Due to the nature of these chess variants,
a brute force search, which examines every possible legal move to
whatever depth is required, is essential for successful solving.
Computers with this ability can significantly reduce the amount
of work the person has to do by checking every single line, thus
saving the user many hours of tedious work and headaches!

Up until a few years ago, it was necessary for a publication
like this to mention whether or not a computer had the basic
facilities to correctly solve most three and four move chess
problems. Well, times have changed, and now all of today's top
computers can perform these, and other, more complicated and
longer problems more easily, and in far less time than any
machine in the preceeding generation.

Although all of the chess computers reviewed in this issue
offer the problemist a variety of "problem related" features;
such as a special mate solving level(s) and depth displays, only
two computers-- the Elite A/S-C, and Mephisto Blitz (Exclusive
and Modular) have the ability to search for unsound problems with
more than one solution (called cooks). The avarage tournament
player may not care about this feature, but for a problem buff,
it's indispensible.

The capacity of a computer to solve lengthy problems (mate
in five and above) varies from manufacturer to manufacturer, but
all the top models can eventually solve problems to at least
seven moves. This is more than sufficient for most people, and
covers more than 99% of all published directmates. Besides, chess
problems beyond seven moves would take weeks or even months to
solve!

COMPUTER PROBLEM TOURNEY

In the July, 1985, issue of "Schach-Computer", a German
chess magazine, the results of a chess problem tourney were
published. Now, for the first time in America; here are those
results:

mate in 3
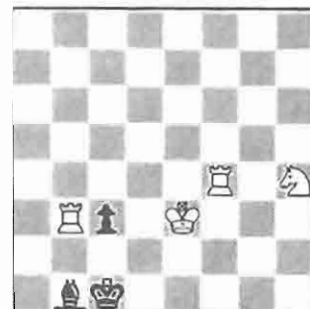
mate in 4

Solution:
```
      1.Bd6       Kd6
      2.Ne5       Kc7
      3.Qe7   mate
```

Morphy MGS	11 min.	45 sec.	
Conchess I	6 min.	33 sec.	
Capablanca MGS	4 min.	24 sec.	
Turbostar 432	1 min.	38'sec.	
Conchess 2 MHz		22 sec.	
S. Constellation		20 sec.	
B+P Modul 3.2		12 sec.	
Elite A/S-C		11 sec.	
Mephisto Blitz		10 sec.	

Solution:
```
      1.Nf5       Bf5
      2.Rf1       Kc2
      3.Rbb1      Bd3
      4.Rfc1 mate
```

Capablanca	8 min.	52.0 sec	
Conchess I	8 min.	18.0 sec	
Turbostar 432	4 min.	12.6 sec	
Elite A/S-B	2 min.	42.0 sec	
S. Const.	1 min.	56.0 sec	
B+P Modul		21.7 sec	
Mephisto Blitz		18.8 sec	
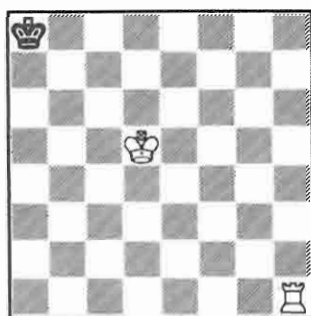
mate in 3

mate in 7

Solution:
```
      1.Kc6       Ka7
      2.Rh8       Ka6
      3.Ra8 mate
```

Morphy MGS	47 sec.
Conchess I	41 sec.
Capablanca	23 sec.
Elite A/S-C	10 sec.
Conchess 2MHz	5.5 sec.
Turbostar 432	2.8 sec.
B+P Modul 3.2	2.4 sec.
Mephisto Blitz	2.1 sec.
S.Const.	0.7 sec.
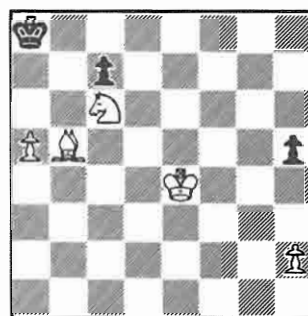
Solution:
```
      1.Bf1       h4
      2.Bh3       Kb7
      3.Kd5       Ka6
      4.Kc5       Kb7
      5.a6        Ka8
      6.Bc8       h3
      7.Bb7 mate
```

Capablanca	397 hrs. 9 min
Elite A/S-C	251 hrs.30 min
B+P Modul	38 hrs.13 min
Mephisto Blitz	33 hrs.13 min

S. Const. and Turbostar did
not find the solution within
100 hours.
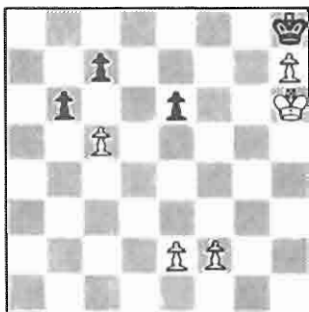
mate in 8

mate in 11

Solution:

1.cb	cb
2.e4	b5
3.f4	b4
4.f5	ef
5.ef	b3
6.f6	b2
7.f7	b1Q
8.f8Q mate	

Elite A/S	3 hrs. 1 min.
Capablanca	1 hr. 35 min.
Turbostar	39 min.
S.Const.	30 min.
Conchess 2 MHz	15 min
B+P Modul	8 min.
Mephisto Blitz	7 min.
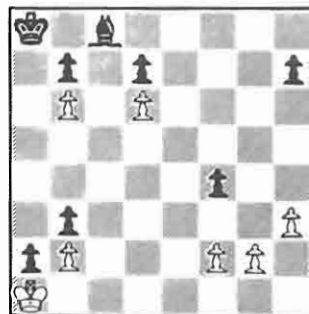
Solution:

1.g3	fg
2.fg	Kb8
3.g4	Ka8
4.h4	Kb8
5.g5	Ka8
6.h5	Kb8
7.g6	hg
8.hg	Ka8
9.g7	Kb8
10.g8Q	Ka8
11.Qc8 mate	

Elite A/S	2 hrs. 52 min
Capablanca	2.5 min
Turbostar	1.5 min
Conchess	31 sec.
B+P Modul	8 sec.
Mephisto Blitz	7 sec.

Super Constellation could not solve within 100 hours!

COMPUTER VS COMPUTER VIA COMPUTER
as reported by
Tim Breikreutz and Jonathan Schaeffer
Department of Computing Science
University of Alberta
(originally printed in the ICCA Journal)

A major obstacle to the development of chess programs is testing, for which most of the times two forms are in use. One way is to input as many different chess positions as possible to the program and evaluate how well it solves them. However, this form of testing is not adequate to find certain types of problems that can only occur in actual games, for example, problems related to planning on a move-to-move basis. Unfortunately, the other way, playing games, is time consuming. Either one enters the program in a local tournament or finds friends to play it. In any case one (usually the programmer) must baby-sit the program.

To get around this problem, the chess program Phoenix has been equipped to play correspondence chess, not through the post office, but rather through electronic mail. Phoenix correspondence chess (PCC) "wakes up" every night at midnight, reads its mail, computes a response to the opponent's move, and mails the response back to the opponent. This process is done completely without human intervention. It has all the advantages of postal chess, without the cost of stamps and without the potential delays of the postal system.

The results obtained through the use of PCC have made a significant contribution to the development of Phoenix. First of all, the lack of serious games played by Phoenix has been alleviated. In the first three months of the experiment, as many serious games were played by correspondence as were in tournaments in the preceding year. Second, after and even during a game, the programmer can leisurely peruse a record of the game looking for trouble spots. Once a problem is found it can be corrected, allowing the newer version of the program to complete the game. Certainly one cannot do this under tournament conditions! Finally, it allows the programmer to watch his program play at a better level than is usually possible in a tournament. In tournaments, moves must be made at an average of 3 minutes per move. When playing correspondence chess, Phoenix has been set to use an average of 60 minutes per move. This allows for deeper searches, and hence a "stronger" game.

For those of you who are intimidated by the awesome prowess of computer chess games with their cold blooded calculations, their seemingly error free play (computers NEVER have a bad day), all their bells and whistles and sophisticated features, and their ruthless executions--take heart. The average tournament player is still able, on occassion, to defeat a top notch computer like Novag's Super Constellation. The following three games show how one of our readers, rated approximately 1600, took the Super Constellation to the hoop! All games were played at tournament speed of 40/2. Games scores and notes courtesy of a computer chess owner who wishes to remain anonymous.

Game One
White: Human 1600
Black: S. Constellation 2018

1.d4	e6
2.c4	Nf6
3.Nc3	Bb4
4.a3	Bc3+
5.bc	O-O
6.Nf3	d5
7.Bg5	h6
8.Bh4	g5
9.Ng5	hg
10.Bg5	N8d7

This might have been better in the first place, instead of trying to drive off the bishop.

11.c5	c6
12.e3	Qa5
13.Rc1	Qa3
14.Bd3	Re8
15.O-O	e5
16.Bf5	Qb2

Black wastes more time.

17.Bd7	Nd7
18.Qh5	Re6
19.f4	ed
20.f5	Re3
21.Bh6	Rg3
22.hg	Nf8 and resigns.

Game Two
White: S. Constellation
Black: Human

1.d4	Nf6
2.c4	e6
3.Nf3	Bb4+
4.Bd2	Bd2
5.N1d2	O-O
6.e4	d5
7.e5	Ng4
8.h3	Nh6
9.Bd3	dc
10.Nc4	Nc6
11.Be4	Bd7
12.Qc2	Nb4

The computer simply "has" to seize the imobolized pawn.

13.Bh7+	Kh8
14.Qb3	Kh7
15.Qb4	Bc6
16.N4d2	Nf5
17.O-O	Qd5

I would have castled queenside for white.

18.Ng5+	Kg6
19.N2f3	Rh8
20.Rfd1	Nh4
21.Qe7	Nf3+
22.Nf3	Rh5
23.Qc7	R8h8

Game Two (Cont.)

24.Rd3   Rh3!

Here the computer plays
24...Qd8 if it had black.

25.gh   Rh3
26.Rcl   Qf3

Again, with the position set
up on the computer at
tournament level, it plays

27.Rf3   Bf3
28.Qc2+   Kh6
29.Qd2+   g5
30.Qg5+   Kg5
31.Rc7   Rhl mate

Game Three
White:Human
Black:S. Constellation

1.d4   Nf6
2.Nf3   e6
3.c3   Be7
4.e3   O-O
5.Bd3   d5
6.Ng5   h6
7.h4   c5

Black knows better than to
capture the knight.

8.Qf3   c4
9.Bc2   b5
10.e4   Bb7
11.e5   N6d7
12.Nh7   Re8
13.Bh6   gh

This sacrifice is an old
strategy against computers.

14.Qg4+   Kh8
15.Qh5   Kg7
16.Rh3   Nf8
17.Rg3+   Bg5
18.Nf6   Ng6
19.hg   Rh8
20.Bg6   fg
21.gh+   Rh6
22.Rg6+   Rg6
23.Qh7+   Kf8
24.Qg6   resigns

Black is checkmated in a few
moves.

In another example of how humans and computers differ in their style of play, the same opponent of the previous three games against the Super Constellation tells about another interesting encounter:

The position at right occurred at move 28 in a game against the Turbostar (level B3), myself playing black in a Modern Benoni. What followed is an interesting example of human vs. computer play. Starting from this position, only with the Super Constellation instead.

```
8 . . . . . . R .
7 . p . n . p k .
6 p . . . . . . p
5 P . P P p . . .
4 P p . P P . . .
3 . P Q N . Q . P
2 . . . . . . P .
1 . . . . . . R K
  a b c d e f g h
```
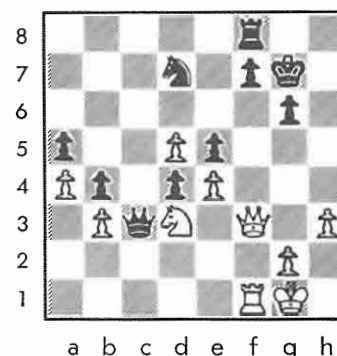
29.Ne5	Ne5	I had overlooked this completely.
30.Qf6+	Kg8	
31.Qe5	d3!	Neither machine finds this for black.
32.Qc3	bc	Here, the Super Constellation moved Qf4, rightly sensing the folly of trading queens, but it too lost eventually.
33.Kf2	Re8	Both machines play Rb8 and beat me easily in under a dozen moves.
34.Ke3	d2	
35.Kd3	Re4!	This sacrifice might be pleasing to a human, but its business as usual for either program as black--they both see it right off.
36.Rd1	Re1	
37.Kc2	Kf8	
38.d6	Ke8	
39.h4	f5	White threatned g4 followed by h5.
40.d7+	Kd7	Perhaps the Turbostar was losing anyway at move 29, but I didn't think so at the time. Now after g3, white is in zugzwang.
41.Resigns		

COMPARATIVE CHART

	MEPHISTO EXCLUSIVE MODULAR	EAS-C	SUPER CONST.	TURBO STAR 432	SC-12X (5.0)	AUTO RESPONSE BOARD
Estimated Rating (1)	2040	2025	2018	1990	1920	1850
Opening Book Size	10K	6K	20K	4K	3K	4K
Active/Passive Style of Play (2)	A	A	A	A	P	P
Human Like Play (3)	1	1	1	2	3	2
Pressure Sensory Board	N	N	Y	Y	Y	N
Auto-Sensory Board	Y	Y	N	N	N	Y
Set-up Positions	Y	Y	Y	Y	Y	Y
Plays Black from Bottom of Board	Y	Y	Y	Y	Y	Y
Change Color During Game	Y	Y	Y	Y	Y	Y
Opening Book Practice Mode	N	Y	N	N	Y	Y
Cancel Opening Book Option	N	Y	N	N	Y	Y
Monitor Mode	Y	Y	Y	Y	Y	Y
Clock Display	Y	Y	OPT.	N	N	N
Beeper On/Off Control	N	Y	Y	Y	Y	Y
Takes Back Moves (# of Ply)	ALL	ALL	ALL	ALL	ALL	ALL
Trace Foward of Re-traced Moves	Y	N	N	Y	N	N
Gives Hints	Y	Y	Y	N	Y	Y
Control Computer Thinking on your Time	N	Y	N	N	Y	Y
Retains all of Game in Memory	Y	Y	Y	Y	Y	Y
Battery Back-up	N	Y	Y	N	Y	N
Underpromotes	Y	Y	Y	Y	Y	Y
Random/Best Option	Y	N	Y	Y	N	N
Claims a Draw	Y	Y	Y	Y	Y	Y
Accepts/Declines a Draw	N	Y	N	N	Y	Y
Offers a Draw	N	Y	N	N	Y	Y
Resigns	N	Y	Y	N	Y	Y
Displays Prediction of Main Variation	Y	Y	N	Y	N	N
Displays Depth of Analysis	Y	Y	Y	N	N	N
Displays Positional/Material Score	N	Y	N	N	N	N
Announces a Forced Mate in Advance	Y	Y	Y	N	Y	Y
Displays Move while Computing	Y	Y	Y	Y	Y	Y
Special Mate Solving Level(s)	Y	Y	Y	Y	Y	N
Portable (small size; uses batteries)	Y	N	Y	Y	N	N
Printer Capable	N	Y	Y	N	Y	N
Voice Feature	Y	N	N	N	N	N
Modular Feature	Y	Y	N	Y	Y	Y
Modular Processor	Y	N	N	N	N	N
Programmable Openings	N	N	Y	N	N	N
Fixed Depth Level(s)	N	Y	Y	N	N	N
Fixed Time Level(s)	N	Y	N	Y	N	N
Next Best Move Option	Y	Y	N	N	N	N
Number of Levels	12	15	15	22	10	8
Warrenty Period (months)	3	3	3	3	3	12
AC Adaptor Included	N	Y	N	N	Y	Y
List Price ($)	500 (E) 400 (M)	650	420	350	350	1,140

Notes: 1. Subjective estimate except Super Constellation, which is officially rated by the U.S.C.F.
   2. A= Active; P= Passive
   3. In relative terms-- 1= Maximum; 2= Intermediate; 3= Minimum

COMPUTER CHESS: THE TRUTH ABOUT THEIR STRENGTH
by Goran Grottling
(originally printed in the ICCA Journal)

During the six or seven years that commercial chess computers have been on the market, there has been speculation about how good they really are, and questions raised as to the relationship between one computer and the other. Tournaments between computers say something about their relative strengths, but coincidences play too big a role while the amount of games is still small.

The Swedish branch of the ICCA, having about 150 members, issues a magazine called PLY. One of the important tasks of this magazine is to inform the readers about the chess computers' standard of playing. As in other countries, the members are testing their computers against others on tournament level (40 moves/2 hours). Over ten games, for example, the margin of error can be quite substantial.

The more games are being played, the closer we will come to "the Truth" about their strengths. For this reason, we have compiled all reliable results from different chess magazines, most of them published in the German Federal Republic and the Netherlands. The material now includes 2,161 games, all played on tournament level. Of these, 395 have been played by the Swedish members.

the results have been calculated on a computer using the ELO system and have given the following rating numbers for the most common chess computers:

1. Prestige	1801	(362)	1951	1875	199
2. Elite A/S	1767	(166)	1917	1839	191
3. Constellation 3.6 MHz.	1757	(60)	1907	1860	
4. Elite - 81	1712	(151)	1862	1801	184
5. Constellation 2.0 MHz.	1700	(450)	1850	1816	183
6. Sensory 9 B	1636	(56)	1786	1813	186
7. Mephisto III Modular	1609	(76)	1759	1732	171
8. Sensory 9 A	1584	(446)	1734	1737	
9. Steinitz	1566	(262)	1716	1743	175
10. Mephisto II 6.1 MHz.	1562	(382)	1712	1751	174
11. SciSys Superstar	1531	(74)	1681	1770	17
12. Mephisto III 6.1 MHz.	1529	(39)	1679	1732	17
13. Chess 2001	1527	(29)	1677	---	--
14. Conchess - 81	1485	(215)	1635	1694	16
15. Grunfeld/Morphy/Capablanca	1455	(282)	1605	1653	15
16. Mark VI	1452	(95)	1602	1683	16
17. Mephisto II 3.5 MHz.	1451	(305)	1601	1751	
18. Champion Sensory Challenger	1440	(306)	1590	1674	15
19. Mark V	1427	(341)	1577	1671	15

20. Prodigy/Destiny	1425	(15)	1575
21. Morphy	1388	(154)	1538
22. Boris/Sargon 2.5	1209	(56)	1359

The numbers in parenthesis tell how many games each computer has played. To determine the level of this list, we have used Constellation 2.0 MHz. This computer has played 25 serious games against Swedish club players. Constellation achieved 13.5 points against an average resistance of 1671, which gives the computer a rating of exactly 1700.

We know of course that 25 games are not sufficient to determine the rating and we plan to let the computer play more games against human opponents. We do believe that the 1700 is very close to "the Truth", according to the Swedish rating system. Constellation has not defeated any person with a rating over 1800, but in return the computer almost always wins against players with a rating below 1600.

We have understood that the level of the rating systems in other countries is different from the Swedish one. For example, the American rating numbers seem to be about 150 points above the Swedish rating. If members in other countries have a different opinion about the Constellation rating of 1700, our list may be adjusted accordingly. The relationships between the programs will remain the same.

The point has been made that the computers tend to exaggerate the differences in rating when being played against each other. We have not been able to find any support for this interesting theory in our list. The weakest computers are in fact, in our opinion, no better than their list position indicates.

We have also tested some other computers against human opponents and achieved the following rating numbers:

Constellation 3.6 MHz.	1753	(10)
Elite A/S	1716	(7)
Mephisto II 6.1 MHz.	1544	(5)

Despite the very small numbers of games, the results are very close to those of our rating list. During the next few years we hope to let the computers participate in human tournaments so as to get more reliable rating numbers.

MEPHISTO

The latest sensation to hit the market this year is the new Mephisto line of chess computers from Germany. Mephisto is made by Hegener & Glaser, the largest manufacturer of commercial chess computers in Europe. Many people already own the Mephisto II, the first Mephisto sold in the U.S. back in 1982. A year later the company released the Mephisto III, which was a complete bomb. playing far worse than Mephisto II. Fortunately, it was never released in the U.S. After two years of work on developing another program that would reverse the setbacks of the past, Hegener & Glaser came through this year with an all new program that is competitive with the best commercial chess computers on the market. They named it Mephisto Blitz, and its the first of a new line of chess computers from Germany.

There are several different models that will be released in the United States this year. Each will have its own market for chess players with varying abilities. However, the most popular ones are expected to be the advanced versions for club and tournament players.

Only two models are currently marketed in the U.S. They are the Mephisto Exclusive and Mephisto Modular. Both are identical in every way except in their physical design. The Exclusive is the more luxurious of the two. It is housed in a large(17"x17"x10 1/2") solid wood auto-response board, which is the most convenient system on which to play. The Exclusive also has a pull out draw where three distinct modules are housed. One module contains the entire program and micro processor. It also serves as a control panel for the user to select any of the available features or options. A second module contains an easily readable LCD screen that displays several features: the move under consideration, the depth of the computer's analysis, and various messages regarding draws and won/lost positions. And the third module is left empty, but it is designed to hold any additional modules that the company might release in the future. This makes the Mephisto Exclusive or Modular the only truly updateable chess computer in existence. And Mephisto has pledged to bring out new and exciting upgrades at frequent intervals.

The drawer on the Exclusive can also be pushed all the way in to uncover a battery compartment so the unit can be utilized as a portable machine. An additional module slot exists in the back of the computer to allow for any further upgradings for the opening book.

As for its playing ability, Mephisto has shown a remarkable talent for playing precise positional chess in many of its tournament games. Yet, it is the equal of either the Super

tion or Elite A/S-C in correctly executing most tactical
ons. At tournament level, Mephisto is unquestionably
good, if not better, than any other commercial chess
ow available.
        new Blitz program has also been greatly improved in the
end game. It is only the second home chess computer that can
force mate with a K + B + N vs K (the other is the Super
Constellation). And much more material has been added on
practical endings, such as R + P, and K + P end games.
        Not only is Mephisto a superb tournament player, but that
kind of chess isn't even its specialty! The Mephisto computers
(Exclusive or Modular) come with a new "Blitz" module built-in to
the program. This special algorithm makes Mephisto the best speed
chess player as well.
        Most of the testing of Mephisto has taken place in Europe.
The Dutch Computer Chess Federation conducted a computer chess
tournament which included the four leading chess computers. Games
were played at various time controls, but all under strict
tournament conditions. Of the four leading computers, only the
Fidelity Elite Private is not commercially available yet. Here
are all the results from the Dutch tournament:

Games at 3 minutes per move

1-4. Mephisto Blitz   8 points (57%)
1-4. Elite Private   8 points (57%)
1-4. SciSys Turbostar   8 points (57%)
1-4. Novag Super Constellation   8 points (57%)

Games at 2 minutes per move

1.   SciSys Turbostar   8 1/2 points (61%)
2-3. Mephisto Blitz   8 points   (57%)
2-3. Elite Private   8 points   (57%)
4.   Super Constellation   7 1/2 points (54%)

Games at 1 minute per move

1-2. Mephisto Blitz   10 points (71%)
1-2. Super Constellation   10 points (71%)
3.   Conchess P   7 points (50%)
4.   Turbostar   7 points (50%)

Games at 30 seconds per move

1. Elite Private   10 1/2 points (75%)
2. Super Constellation   9 points   (64%)
3. Mephisto Blitz   8 points   (57%)
4. Turbostar   7 points   (50%)

Games at 5 seconds per move

1. Mephisto Blitz   10 points   (71%)
2. Constellation 3.6   8 1/2 points (61%)
3. Super Constellation   7 1/2 points (54%)
4. SciSys Turbostar   7 points   (50%)

Overall results

1. Mephisto Blitz   44 points/70 (63%)
2. Super Constellation   42 points/70 (60%)
3. Elite Private   40 1/2 points (58%)   26½/42 (63%)
4. SciSys Turbostar   37 1/2 points (54%)   37½/70 (54%)

     Several other independent tests were also held in Europe
which all confirmed a 2000+ rating for Mephisto Blitz(the overall
avarage was computed to be 2040 Elo).
     Against humans, Mephisto also does very well. In a
tournament match against club players from Dortmund Germany,
Mephisto Blitz scored 11 points from 16 games. Grandmaster Helmut
Pfleger, who covers World Championship matches for German
television, wrote: "It is not surprising that tournaments between
humans and computers are considered especially attractive. The
computers do not have to be giant mainframes. Today, the best
commercial chess computers will occasionally beat a grandmaster
in speed chess, and they have certainly achieved the strength of
good club players."
     In a "Grand Prix" tournament with masters and strong club
players-- the winner was Grandmaster Florin Gheorghiu-- Mephisto
Blitz was able to score a respectable three points out of six,
with a performance rating of over 2000 Elo points. Here a
decisive position from a game of the Munich Chess Club:

How would you defend the Bishop on b5? Black (Mephisto Blitz)
simply ignored the threat and counterattacked forcefully:
22...d3! 23.Be3. The Bishop on b5 cannot be taken since the

computer has the terrible threat of Bf2; but is White not in safety now? 23...d2! No, Mephisto keeps up the pressure and wins the exchange: 24.Kd2 Ba5+ 25.Kd1 Be1 26.Ke1 Bc6 and White lost the game. It is reported that Herr Metzen immediately bought the computer and took it home to punish it for its audacity!

To go with its other talents, Mephisto probably has the fastest problem solving program as well. Hegener & Glaser, Mephisto's parent company, has greatly emphasized this point in their advertising. They also include an example of Mephisto's solving ability in the machines' owners manual. The problem cited is a mate in 8 by that great cockamyevitch composer Lev Nikolaevitch(Shakhmaty Bulletin 1976):
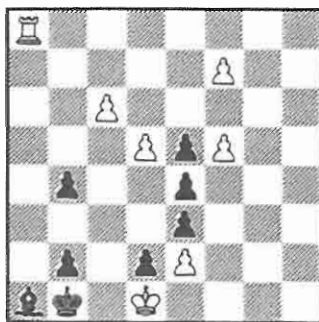
In case you don't own a Mephisto, the solution is 1.f8B b3 2.Ba3 Ka2 3.Bb4+ Kb1 4.Bd2 ed 5.c7 e3 6.c8B e4 7.Ba6 Ka2 8.Bd3 mate. Mephisto solved this problem in a little over 6 minutes. That beats the next best time, set by the Super Constellation, by several hours!

Hegener & Glaser is following an ambitious plan to increase its market share both in Europe and the U.S. Later this year, they plan on releasing several new models that will cover a broader spectrum of the consumer market. The emphasis will be on lower priced, less sophisticated computers that have more of a mass appeal than either the Exclusive or Modular.

At least two other new chess computers are now in development. They are: the Mondial, and the Mobil. The Mondial will be the stronger of the two, and should be comparable to the Constellation 3.6, Sensory Challenger 12-C, or the soon to be released Fidelity Excellence, but it is expected to be a lot less expensive than the former two.

The Mobil is a unique concept. The program and microprocessor will be housed in a single module, which will be about as large as the entire unit! In the future, this module will also be compatible with modules from the Exclusive and Modular models to allow for greater portability. You will also be able to purchase the Mobil kit alone, if a portable computer is all you want. The kit contains a small folding chess board that

is magnetic but not sensory or electronicaly connected to the computer, a battery/AC compartment, and the module itself which has a LCD display built-in. The moves must be keyed in like the Mephisto II, or Great Game Machine, but the readout is clear and easy to see, and entering moves can be just as easy. All of this in a size no bigger than your shirt pocket! Mephisto Mobil should really be a winner when it hits the market early next year.

Hegener & Glaser has announced that by the beginning of 1986, they will begin test marketing a completely new program module for the Mephisto Exclusive and Modular. It will be an upgrade of the current Blitz Module with many new features added on.

The new program module will be named the "MM II". According to Hegener & Glaser, MM II's program will incorporate a blending of full width and selective search techniques, based on a 6502 processor. They predict it will play 50% stronger than the current Blitz module, but we know what that means!

The MM II program is actually the same one that will be in the highly acclaimed 16 bit model, Exclusive S, due to be released late this fall. The only thing known about the "S" computers is that they will run off a 68000 processor running at 12 MHz with at least 64K of ROM and 14K RAM. Many more opening book lines are expected to be added to top off what should be the most awesome micro computer ever. There's only one slight drawback-- the list price should be around $1,700.

TURBOSTAR 432

In the intervening months since the Turbostar was previewed in the 1985 Computer Chess Digest Supplement, it was brought out on the market and evaluated by the public. Like any new machine, it received both favorable and unfavorable reviews from its owners. However, the opinions of these people are unanimous in describing the Turbostar as a tough competitor, capable of producing a winning attack at any time against almost any opponent.

When the Turbostar was last previewed, the only available information about its strength was the games and results of a "tournament" or test that SciSys conducted between the Turbostar 432 and three other computers: Super Constellation, Constellation 3.6 MHz., and Fidelity's old Super "9" Challenger. Apparently it was just a compilation of individual match games since the number of games varied with each computer. The only relevant match for a perspective buyer is the games between the Turbostar and the Super Constellation. In the SciSys test, after 17 games Turbostar was ahead by a score of 9 to 4 with 4 draws, for a .650 percentage. And both computers were playing at the tournament setting of 40 moves in 2 hours.

that Turbostar has been on the market for a few months,
heck to see if the SciSys test really provided an
assesment of their relative strengths, by comparing
ults with those of independent testers, or Turbostar
ell, so far, feedback from many Turbostar owners has
-----------ed the SciSys tournament. Out of dozens of people who
own both both the Turbostar and Super Constellation, and have
played games between them, the overwhelming majority reported
small, but decisive winning margins by the Super Constellation.
Consistency has been a major factor as well. The Super
Constellation's winning edge is consistently around 60%. Six
games, representing a cross section of the results between these
two computers, are printed elsewhere in this issue.

To be fair to SciSys, it must be stated that with a match of
only 17 games, there is a slight statistical possibility that a
score in favor of Turbostar over the Super Constellation by a
margin of 65:35 is possible-- but not probable. In light of the
fact that more comprehensive testing was done by people who have
no known bias for one machine over the other, and that their
findings substantially differed from those of SciSys, there is
good reason to suspect that maybe a prototype was used as the
test computer.

On a similar note is a recent SciSys ad boasting that the
Turbostar achieved a performance rating of 2300 at the U.S.
Open Computer Chess Championship in Mobile. What is not mentioned
in the ad is that the Turbostar that finished with a 2300 rating
was an enhanced prototype that the public will not get when they
go to buy one in a retail store. Also, the Mobile version only
finished in 10th place, with 3 out of 6 points.

If all this bad news about the Turbostar makes you think
about buying a different chess computer, think again! A recent
price reduction by SciSys has brought the price of the Turbostar
down to as low as $200 at some discount stores. Considering that
it has a realistic rating at just about 2000, Turbostar may be
the buy of the year for many chess enthusiasts. If you are rated
under 1800 (and most USCF members are), and you are looking for a
chess computer that will help to improve your game while saving
you a lot of money, then Turbostar 432 is well worth it.

To demonstrate how much you can save with a Turbostar, let's
compare its value to those of the compitition by comparing the
additional cost you have to pay, to get additional rating points:

	Approx. Rating	Discount Price
1.Mephisto Exclusive	2040	$370
2.Mephisto Modular	2040	$300
3.Elite A/S-C	2025	$500
4.Super Constellation	2018	$300
5.Turbostar 432	2002	$200
6.SC-12 X (5.0)	1930	$300

	Approx. Rating	Discount Price
7.Auto-Response Board	1870	$400
8.Excellence	1825	$100

Obviously, Turbostar is a "best buy" if only price/performance is considered. But many people want more from a chess computer in the way of features and options. For that you may have to pay considerably more for your computer.

EXCELLENCE

The Excellence is a new Fidelity chess computer due to be released early this fall. It has been one of the most extensively promoted products in the company's history with the intention of creating an image of being the lowest priced computer with an 1800+ rating; even though Fidelity did not complain when the U.S. Chess Federation unknowingly advertised it as being rated in the "high 1900's or low 2000's". Hopefully, we have learned not to take everything we read as Gospel, but checking other sources as well is always helpful.

At the time of this writing, Fidelity has has not been able to produce a single unit of the Excellence for sale to the public. With only two units available for testing (3 and 4 MHz. prototypes), only the basic information about its hardware and program characteristics is known. For example, it will apparently have have a modified Glascow program now working in the Elite A/S-C, but running about 25 % slower than the Elite. It will also be limited in the size of its program-- a mere 16K. That is 12K fewer than the Elite. Fewer K means less information can be stored in the computer, which effectivly reduces its middle and endgame ability. The total number of opening book moves built in should be around 3,000 positions, or roughly the same size as the Challenger "9" or "12" machines. By knowing all of these things, we can get a pretty good idea of what kind of rating the Excellence will have. You might say it is the computer chess equivalent of the forecast of leading economic indicators. And these indicators suggest a rating for the Excellence to be somewhere between 1750-1825. This rather mediocre rating would hardly make the Excellence an attractive computer if it were not for the rather low price. The company set the list price at only $125, but you might be able to purchase one at discount for about $100. A good price, but with some of the games we've seen the Excellence play in both the U.S. Open, and our own test games, it may be questionable as to whether or not it is worth such a price. At this time, it may be the strongest chess computer for $100, but this will not be true when the Mephisto Mondial and Mobil are released early this fall. Maybe this will prompt Fidelity into making some changes for the better.

AUTO-RESPONSE BOARD

Here is a very fine chess computer for people with rich tastes, without having to be rich themselves. The Auto-Response Board (ARB), by AVE Micro Systems, is considered to be the creme de creme of computer chess elegance with its beautifully styled chess board and pieces.

The board is huge (21"x21"x3") and hand made from solid walnut and maple. Each square is 2" in size, making it official tournament size. There is an LED in the lower right hand corner of each square to indicate moves, but they are recessed, and do not distract the player from concentrating on the game. Yet, they are easily visible and make it virtually impossible to make input errors. Naturally on a board this size, the pieces must be in proportion to the squares. ARB's pieces are made of hand carved wood, and each piece is painstakingly shaped with intricate details. They also have wide bases with felt covered bottoms. They are of Staunton design with the king 3 1/2" tall. To top it off, the large border area and control panel make it look suitable for framing. It is even possible to get a special Drueke table that is cut out to fit the ARB and module.

Honestly though, you have to see it to believe it. Even large color ads do not capture the full beauty of this magnificent set. For those of you who are already the proud owners of one, or have a Fidelity Prestige, you know what I mean.

The ARB may not rank among the top 5 computers, but with a respectable rating estimated at 1875, it is good enough for 90% of all the tournament players in the U.S. ARB is able to play this well thanks to a newly advanced 4.0 module developed by Dan and Kathe Spracklen of Fidelity for AVE.

The 4.0 module is actually an upgrade of the old 2.5 program that came with the ARB when it was first being sold several years ago. It is a Godsend to those who have patiently waited all these years for an upgrade to come about. However, its program is completely different from the Prestige, so none of the modules are compatible with each other.

Apart from the aesthetics the ARB has a wide assortment of features that make it even more impressive. Several of these features are taken from the Prestige or Elite A/S computers. While all the essential features were left intact, AVE was smart enough to leave the frivilous features out--especially the voice control. But the best thing they left out was the exorbitant price. Five years ago, the ARB with the inferior Sargon 2.5 or 3.0 module sold for $1,140 and only played a 1600 game. Now, with the 4.0 module, it sells for only $400 and plays 250+ points better; not to mention all the extras!

SUPER CONSTELLATION "B"

The biggest difference between the new Super Constellation "B", and the regular Super Constellation, is the rate of defective units that come out of the factory. Both versions have identical programs, and the features, options and physical design have all remained unchanged. What has changed, is that the "B" version has a reset switch placed on the main circuit board. This switch has been installed to make the Super Constellation more reliable. According to Novag officials, the "B" version is up to 3 times more reliable than standard models.

The reset switch works by clearing out any and all static electricity that has accumulated on the chips of the main circuit board. This has no effect on the way Super Constellation plays, but it does prevent or reduce the number of times the operator of the unit will have to deal with his machine blacking out or freezing up in the course of playing a game. Super Constellation "B" remains one of the best values for the money, and is still highly recommended as a first choice computer.

For a more extensive review of the Super Constellation, refer to the 1985 Computer Chess Digest Supplement.

CONCHESS

The upgraded Conchess program that was due to be released last spring, never materialized due to a number of unexpected events. First, the manufactuters of Conchess, Consumeta Computers Ltd., lost their primary programmer, Ulf Rathsman, to Hegener & Glaser, the makers of Mephisto. Then there was a production problem which the company still has not recovered from. Added to this is the current situation in which Mephisto, with several of the best chess programmers in the world, has outstripped Conchess in European sales. And finally, Conchess, because of their limited resources, must sell their computers for a higher price than Mephisto or any other leading chess computer on the market.

Conchess has come out with only three models of chess computers since 1982. Only the programs have changed, and all three versions suffer from an image problem. Most people who are familiar with Conchess feel the construction and basic design of the units are of an inferior quality and not as well made as other computers.

For those people who are determined to obtain a Conchess computer, or just the upgrade module, there are a limited number available in England at a considerable cost. Each has the Glascow program, and you may choose from the 2, 4, or 6 MHz. machines. More information about Conchess can be found in the 1985 Computer Chess Digest Supplement.

SENSORY CHALLENGER SX-12 (5.0)

As the 5th ranked machine on the market, the SC-12X (5.0) is fading rapidly due to its old program (1983 Budepest version), and poor value. Priced almost as high as the Mephisto Modular and Super Constellation, SC-12x is about 100 points weaker than both, and not nearly as versatile.

The only attraction SC-12x has is a 5 MHz clock speed. So big deal. It is only going to waste, running an outdated program. But for those who are impressed by having the fastest operating computer, this is the one to get.

The SC-12 is also reviewed in the 1985 Computer Chess Digest Supplement, only with the original 3.0 MHz processor.

ELITE A/S-C

This has been Fidelity's strongest computer since the Glascow Tournament last fall. It has survived all the changes brought on by the competition, and survived to remain the all around champion. Clearly, no other chess computer can match the versatility and power of the Elite when it comes to getting the most out of a single machine.

The Elite is still the only current chess computer that has a voice feature and a built-in LED readout that can display about a dozen items that relate to the game or position being analyzed (eg. clock, score, depth of search displays, etc.). It also is factory upgradeable, and accepts miscellaneous modules and a Fidelity printer as accessories.

All of these features make the Elite A/S-C the most expensive chess computer in production. And if you include all of the accessories (the 5 ECO modules alone list for $625!) the total price becomes prohibitive for most of us mortals. But, if you can get one that works reliably, you won't be disappointed.

Match: Elite A/S-C vs Mephisto Blitz (Modular)
Length: 40 game match
Final Score: Mephisto   23   (18 wins, 12 losses, 10 draws)   58%
             EAS-C   17

Game 2		Game 5		Game 10	
White: EAS-C		White: Mephisto		White: EAS-C	
Black: Mephisto		Black: EAS-C		Black: Mephisto	
1.c4	e5	1.e4	d5	1.f4	Nf6
2.Nc3	Nf6	2.ed	Qd5	2.e3	Nc6
3.g3	c6	3.Nc3	Qa5	3.Nf3	d5
4.d4	ed	4.d4	e5	4.Bd3	Bg4
5.Qd4	d5	5.Nf3	e4	5.Nc3	e5
6.cd	cd	6.Ng5	Bf5	6.fe	Ne5
7.Bg5	Be7	7.Bc4	Nh6	7.Be2	Nf3
8.Qa4+	Nc6	8.O-O	Nc6	8.gf	Bf5
9.Nf3	O-O	9.Nge4	O-O-O	9.d3	Nh5
10.O-O-O	Be6	10.Be3	Be7	10.e4	Qh4+
11.Kb1	Qb6	11.Ng3	Bg4	11.Kd2	de
12.e3	Ng4	12.Qe1	Qb4	12.fe	Bd6!
13.Nd5	Bd5	13.d5	Na5	13.Nb5	Bf4+
14.Rd5	Nf2	14.Bb3	Nb3	14.Kc3	Qf2!
15.Rg1	Bg5	15.ab	Bd7	15.Nc7+	Bc7
16.Rg5	Qe3	16.Ra7	c6	16.Bh5	Ba5+
17.Qf4	Qe4+	17.Nge4	Ng4	17.Kc4	Be6+
18.Ka1	Nd4	18.Ra8	Kc7	18.Kb5	Qb6+
19.Bg2	Nc2+	19.Bf4	Kb6	19.Ka4	Qb4 mate
20.Kb1	Na3+	20.Na4	Qa4	0-1	
21.Ka1	Qb1+!	21.Ra4	Rda8		
22.Rb1	Nc2 mate	22.Rb4	Ka5	Game 26	
0-1		23.Bc7	b6	White: EAS-C	
		24.Rb6	Bb4	Black: Mephisto	
Game 18		25.Qb4 mate			
White: EAS-C		1-0		1.e4	c5
Black: Mephisto				2.Nc3	Nc6
		Game 31		3.g3	g6
1.c4	e5	White: Mephisto		4.Bg2	Bg7
2.Nc3	Nf6	Black: EAS-C		5.d3	e6
3.Nf3	Nc6			6.Nf3	d5
4.g3	Bc5			7.O-O	Nge7
5.e3	d5	1.e4	c5	8.ed	ed
6.d4	ed	2.c3	d5	9.Bf4	O-O
7.ed	Bb4	3.ed	Qd5	10.Qe2	d4
8.cd	Nd5	4.d4	cd	11.Ne4	b6
9.Qe2+	Be6	5.cd	Nc6	12.c4	dc
		6.Nf3	Bg4		

Game 18 (Con't.)

10.Bd2	O-O
11.Bg2	Re8
12.Ne4	Bf5
13.N3g5	Bd2+
14.Qd2	Be4
15.Ne4	f5
16.Qd3	N5b4
17.Qc3	fe
18.Rd1	Nd3+
19.Kf1	Kh8
20.f3	Nd4
21.f4	Nf5
22.Kg1	c6
23.Rd2	Qb6
24.Kf1	Ne3+
25.Ke2	Nd5
26.Qd3	ed+
27.Kd3	Qc5
28.Be4	Qe3+
29.Kc2	Qe4+
30.Kc1	Qh1+
31.Kc2	Qe4+
32.Kb3	Qb4+
33.Kc2	Qc4+
34.Kd1	Ne3+
35.Ke1	Qf1 mate

        0-1

Game 34
White: EAS-C
Black: Mephisto

1.b4	e6
2.Ba3	Nc6
3.c3	e5
4.b5	Ba3
5.Na3	Nce7
6.d4	ed
7.cd	Nf6
8.Nf3	c5
9.Qa4	cd
10.Rc1	d5
11.Qd4	O-O
12.e3	Bg4
13.Qb4	a5
14.ba	ba
15.Bd3	Rb8

Game 31 (Con't.)

7.Nc3	Qe6+
8.Be3	Bf3
9.gf	Qd6
10.d5	Ne5
11.Qa4+	Kd8
12.f4	Nf3+
13.Ke2	Nh4
14.Ba7	Qa6+
15.Qa6	ba
16.Be3	Ke8
17.f3	Rb8
18.b3	e6
19.de	fe
20.Kf2	Bb4
21.Ne4	a5
22.Bc4	Kd7
23.Rhd1+	Ke8
24.a3	Be7
25.Be6	Nf6
26.Nd6+	Bd6
27.Rd6	Rf8
28.Bc4	Nf5
29.Re6+	Ne7
30.Bc5	Rb7
31.Rae1	Rf7
32.Ra6	Rc7
33.Ra8+	Kd7
34.Bf7	Rc5
35.Ra7+	Rc7
36.Rc7+	Kc7
37.Re7+	Kb6
38.Re6+	Ka7
39.Re5	Kb6
40.Bc4	a4
41.ba	Kc6
42.Ke3	Kd6
43.Kd4	Kc6
44.Re6+	Kd7
45.Ra6	Nh5
46.Bb5+	Ke7
47.Ke5	Kd8
48.Kd6	Kc8
49.Bc6	Nf4
50.Ra8 mate	

        1-0

Game 26 (Con't.)

13.Nc3	Bb7
14.Rfe1	Re8
15.Ng5	Bd4
16.Qd2	a5
17.a4	Nf5
18.Re8+	Qe8
19.Bc7	Ra6
20.Re1	Qd7
21.Nb5	Qc8
22.Bd5	Nh6
23.Kg2	Qf5
24.Be4	Qf6
25.Nd4	Qd4
26.Bf4	Nf5
27.Bf5	gf
28.f3	Qa4
29.Re8+	Kg7
30.Bc7	f6
31.Qc3	h6
32.Ne6+	Kg6
33.Rg8+	Kh7
34.Rg7+	Kh8
35.Qf6	Qc2+
36.Kh3	Qh2+
37.Kh2	h5
38.Qh6 mate	

        1-0

Game 40
White: EAS-C
Black: Mephisto

1.b3	e5
2.Bb2	Nc6
3.Nf3	e4
4.Ne5	Ne5
5.Be5	d6
6.Bg3	d5
7.e3	Nf6
8.Bb5+	c6
9.Be2	Bd6
10.Bd6	Qd6
11.Nc3	O-O
12.O-O	b5
13.d4	b4
14.Na4	Nd7
15.a3	ba

Game 34 (Con't.)   Game 40 (Con't.)

16.Qa4   Bd7   16.Qc1   Bb7
17.Qd4   Qa5+   17.Nc5   Nc5
18.Qc3   Rfc8   18.Qa3   Rfd8
19.Qa5   Rc1+   19.dc   Qf6
20.Ke2   Rh1   20.Qb4   Rdb8
21.Qa6   Ne4   21.Qd4   Qf5
22.Qa7   Rb2+   22.h3   a6
23.Nc2   Nc6   23.c4   Rd8
24.Qd7   Nc3+   24.Qc3   Qg5
25.Kd2   Nb1+   25.cd   Rd5
26.Ke2   Nc3+   26.Rfc1   Qg6
27.Kd2   Nb1+   27.Rd1   Bc8
28.Ke2   Nc3+   28.Kh2   Qf5
    1/2 - 1/2   29.Rd5   cd
                                        30.Rf1   Be6
                                        31.c6   Qg5
A wild and crazy game!   32.Rc1   Qh4
                                        33.c7   h6
   Final Position   34.Ba6   Bc8
                                        35.Qc6   Ra6
                                        36.Qe8+   Kh7
                    37.Qc8   Qf6
                                        38.Qf8   Qf2
                                        39.c8Q   Qf6
                                        40.Qh8+   Kg6
                                        41.Qg4+   Qg5
                                        42.Qg5+   hg
                                        43.Qd8   f6
                                        44.Qd5   Kh6
                                        45.Qe4   Ra2
                                        46.b4   Rd2
                                        47.b5   Rb2
                                        48.Rc8   g6
                                        49.Rh8+   Kg7
                                        50.Qe8   Rg2+
                                        51.Kg2   g4
                                        52.Qg8 mate
                                             1-0

Match: Mephisto Blitz vs Super Constellation
Length: 40 games 50 games
Final Score: Mephisto Blitz   28 (22 wins, 16 losses, 12 draws) 56%
             S. Constellation 22

Game 7   Game 16   Game 22
White: Mephisto   White: S. Const.   White: S. Const.
Black: S. Const.   Black: Mephisto   Black: Mephisto

Game 7 (Con't.)		Game 16 (Con't.)		Game 22 (Con't.)	
1.e4	e6	1.e4	e6	1.e4	e5
2.d4	d5	2.d4	d5	2.f4	ef
3.Nc3	Bb4	3.Nd2	Nf6	3.Nf3	g5
4.e5	c5	4.e5	N6d7	4.h4	g4
5.Bd2	Ne7	5.Bd3	c5	5.Ne5	Nf6
6.Nb5	Bd2+	6.c3	N8c6	6.d4	d6
7.Qd2	cd	7.Ne2	f6	7.Nd3	Be7
8.Nd6+	Kf8	8.Nf4	Qe7	8.Nc3	Nh5
9.Qd4	N8c6	9.Qh5+	Kd8	9.Bf4	Bh4+
10.Qe3	h6	10.Ng6	Qf7	10.Rh4	Qh4+
11.Nf3	Kg8	11.Qh4	Rg8	11.g3	Ng3
12.Bd3	Qb6	12.Nf8	Nf8	12.Nf2	Nf1
13.Qb6	ab	13.Nf3	g5	13.Nd5	g3
14.0-0	Nb4	14.Qg4	h5	14.Nc7+	Kd7
15.a3	Nd3	15.Qg3	g4	15.Na8	gf+
16.cd	Nc6	16.Nh4	cd	16.Kf1	Qf4
17.g3	Kh7	17.cd	Nd4	17.Qh5	Rg8
18.Rac1	Rf8	18.Qf4	Nf5	18.Qb5+	Ke7
19.Nb5	Bd7	19.Nf5	ef	0-1	
20.Nc3	Rac8	20.ef	Qf6		
21.b4	Ra8	21.0-0	Ng6	Game 24	
22.b5	Na5	22.Qb4	b6	White: S. Const.	
23.Nd4	Rac8	23.Bd2	Bb7	Black: Mephisto	
24.Na4	Rc1	24.Bc3	Qf7		
25.Rc1	Rd8	25.Qd6+	Kc8	1.e4	e5
26.Nb6	Kg6	26.Rac1	Bc6	2.f4	ef
27.Rc7	Be8	27.Ba6+	Qb7	3.Nf3	g5
28.Nc8	Bd7	28.Qc6+	Kd8	4.h4	g4
29.Nd6	b6	29.Bf6+	Ne7	5.Ne5	Nf6
30.Nf3	Be8	30.Qb7	Rg7	6.d4	d6
31.Re7	Rd6	31.Rc8+	Rc8	7.Nd3	Ne4
32.ed	Bb5	32.Qc8 mate		8.Bf4	Be7
33.Ne5+	Kf5	1-0		9.g3	d5
34.Nf7	Nc6			10.Bg2	Nc6
35.Rb7	Bd3			11.Nc3	Nc3
36.d7	b5	Game 28		12.bc	0-0
37.Rc7	Nd8	White: S. Const.		13.0-0	Qd7
38.Nd8	1-0	Black: Mephisto		14.Qe2	Re8
				15.Rael	a5
Game 33		1.e4	c5	16.Qf2	Qd8
White: S. Const.		2.d4	cd	17.Bc7	Qd7
Black: Mephisto		3.c3	Nf6	18.Qf7+	Kh8
		4.e5	Nd5	19.Ne5	Qc7
1.e4	e6	5.cd	d6	20.Qe8+	Kg7
2.d4	d5	6.Bb5+	Nd7	21.Rf7+	Kh6
3.Nc3	de	7.Nc3	Nc3	22.Rh7+!	Kh7
4.Ne4	Nd7	8.bc	Qc7	23.Qf7+	Kh6
		9.Ne2	de		

Game 33 (Con't.)   Game 28 (Con't.)   Game 24 (Con't.)

```
 5.Nf3    N8f6        10.Bb2    Qa5         24.Qg6 mate
 6.Bd3    Ne4         11.Qb3    ed                 1-0
 7.Be4    Nf6         12.Nd4    Qc7
 8.Bg5    Be7         13.0-0    e5          Game 35
 9.Bf6    Bf6         14.Nf5    Rg8         White: Mephisto
10.c3     0-0         15.c4     a6          Black: S. Const.
11.0-0    a5          16.Ba4    Bc5
12.Qd3    g6          17.Rfel   f6           1.e4     e5
13.Rfel   c6          18.Radl   Kf8          2.f4     ef
14.Radl   Bd7         19.Qd3    Nb6          3.Bc4    Nf6
15.Ne5    a4          20.Bb3    Be6          4.Nc3    c6
16.h3     Qc7         21.Kfl    Qf7          5.Qf3    d5
17.Qf3    Be5         22.Rcl    Qg6          6.ed     Bd6
18.de     Ra5         23.g4     Qg4          7.Nle2   Bg4
19.Qf6    Rd8         24.Ng3    Qh3+         8.Qf2    cd
20.Re3    Re5         25.Kgl    Bg4          9.Nd5    Ne4
21.Bg6!   hg          26.Bc2    Bf2+        10.Qgl    Qh4+
22.Re5    b6          27.Khl    Bel         11.Kfl    f3
23.Re4    g5          28.Rel    Kf7         12.Bb5+   Kf8
24.Qg5+   Kf8         29.Qb3    Nd7         13.Nb6    fe+
25.Rh4    Qe5         30.Qb7    Rab8        14.Be2    Be2+
26.Qe5    Be8         31.Qe4    Rb2         15.Ke2    Qg4+
27.Rd8    Ke7         32.Qd5+   Be6         16.Kel    ab
28.Qg5+   f6          33.Qe4    g6          17.Qb6    Qh4+
29.Re8+   Ke8         34.a3     Rc8         18.Ke2    Qg4+
30.Qg7    b5          35.Rdl    Bc4         19.Kel    Be7
31.Rh8 mate           36.Nf5    gf          20.Qb7    Bh4+
        1-0           37.Rd7+   Kf8         21.g3     Bg3+
                             0-1            22.hg     Qg3+
Game 39                                     23.Ke2    Qf2+
White: Mephisto                             24.Kd3    Nc5+
Black: S. Const.                            25.Kc3    Nb7
                                            26.Rh3    Qc5+
 1.d4     Nf6                               27.Kd3    Qf5+
 2.c4     g6                                28.Ke2    Qh3
 3.g3     d5                                       0-1
 4.Bg2    Bg7
 5.cd     Nd5
 6.Nf3    Nf5
 7.0-0    Nc6
 8.Bg5    0-0
 9.Nc3    h6
10.Bh4    Qd6
11.e3     Rad8
12.a4     Kh7
13.Nd5    g5
14.Ng5+   Kh8
```

Game 39 (Con't.)

15.e4	hg
16.Bg5	Bg6
17.e5	Qd7
18.b4	f6
19.ef	ef
20.Bh4	Ne7
21.Ne7	Qe7
22.Qd2	Qd6
23.Rfcl	c6
24.b5	cb
25.ab	Qb6
26.Qa5	Qd4
27.Bb7	Qb2
28.Qa7	Rd2
29.Qc5	Bc2
30.Qh5+	Bh7
31.Be4	f5
32.Bc6	Rf2
33.Be7	Rc8
34.Ba3	Qd2
35.Bd5	Rd8
36.Ra2	Rh2
37.Qh2	Qd5
38.Bc5	Rb8
39.Rd2	Qb7
40.b6	Rg8
41.Ra2	Qe4
42.Bf2	Rd8
43.Ra7	Qf3
44.Qh4	Re8
45.Bd4	Qg3+
46.Qg3	Bd4+
47.Kg2	Rg8
48.Rh7+	1-0

Game 24
White: Turbostar
Black: Mephisto

1.d4	d5
2.Nf3	c6
3.Bf4	Nf6
4.e3	Bg4
5.Bd3	Qb6
6.b3	c5
7.dc	Qc5
8.O-O	Nbd7

Game 2
White: Turbostar
Black: Mephisto

1.c4	c5
2.Nf3	Nc6
3.d4	cd
4.Nd4	e5
5.Nc6	bc
6.Nc3	Bb4
7.Bd2	Nf6
8.a3	Bc5
9.Na4	Be7
10.Bc3	Qc7
11.e3	Bb7
12.Bd3	Rb8
13.O-O	c5
14.f4	d6
15.fe	de
16.Rf5	Bd6
17.Bc2	O-O
18.b4	Rfd8
19.Qe2	Ne4
20.bc	Nc3
21.Nc3	Bc5
22.Nb5	Qe7
23.Rafl	Rd7
24.R5f7	Qf7
25.Rf7	Rf7
26.Qd2	Rbf8
27.h3	R7fl
28.Kh2	Rlf2
29.Bh7	Kh8
30.Qd3	Rg2
31.Khl	Re2
32.Kgl	Be3
33.Qe3	Rg2
34.Khl	Rfl
35.Qgl	Rfgl mate
	0-1

Game 13
White: Mephisto
Black: Turbostar

1.e4	e6
2.d4	d5
3.Nc3	Bb4
4.e5	c5
5.a3	Bc3+
6.bc	Qc7
7.Nf3	Ne7
8.Bb5+	Bd7
9.Bd3	c4
10.Be2	N8c6
11.O-O	O-O
12.Bb2	Qb6
13.Rbl	h6
14.Nd2	f6
15.ef	Rf6
16.Nf3	Raf8
17.Rel	R6f7
18.a4	Qa5
19.Ral	b6
20.Qd2	Nf5
21.Qcl	Nfe7
22.Qe3	R7f4
23.Qd2	Re4
24.Qdl	Nd8
25.Nd2	Ref4
26.Qcl	R4f2
27.Nf3	Re2
28.Re2	Bc6
29.Ba3	Re8
30.Bb4	Qa6
31.Ne5	Nf5
32.Qa3	Qb7
33.Rfl	a5
34.Bd6	Nd6
35.Qd6	Ba4
36.Ref2	Bc6
37.R2f8	Kh7
38.Re8	Be8
39.Qd8	
	1-0

Game 24 (Con't.)		Game 29		Game 35	
		White: Mephisto		White: Mephisto	
		Black: Turbostar		Black: Turbostar	
9.h3	Bf3				
10.gf	e5	1.c4	Nf6	1.d4	Nf6
11.Bh2	Bd6	2.d4	c5	2.c4	e6
12.f4	e4	3.d5	b5	3.Nc3	Bb4
13.Be2	O-O	4.cb	a6	4.Qb3	Bc3+
14.c3	Qc8	5.Nc3	ab	5.bc	d6
15.Qd4	Bc5	6.Nb5	Ba6	6.Nf3	c5
16.Qd2	a5	7.Nc3	g6	7.Bg5	O-O
17.Bb5	Nb6	8.Nf3	Bg7	8.e4	h6
18.Kg2	Bd6	9.Qc2	O-O	9.Bf6	Qf6
19.Qd4	Qc5	10.Bf4	Qa5	10.Bd3	e5
20.Qc5	Bc5	11.Bd2	Bc4	11.d5	Nd7
21.Nd2	h6	12.e4	Bf1	12.O-O	b6
22.Radl	Nc8	13.Rf1	d6	13.Qb5	a6
23.a4	Nd6	14.Bf4	Nbd7	14.Qc6	Rb8
24.Be2	Nf5	15.Qd2	Qb4	15.Bc2	b5
25.Bg4	Nh4	16.Ng5	h6	16.Bb3	Rb6
26.Kg3	Ng6	17.Nf3	Ne4	17.Qc7	bc
27.Rfhl	Bd6	18.Ne4	Qe4	18.Bc4	Qf4
28.f3	h5	19.Be3	Ra2	19.Bd3	Qf6
29.Bf5	ef	20.Ra2	Qbl	20.Rabl	Qd8
30.Nf3	Ne7	21.Qcl	Qa2	21.Qd8	Rd8
31.Nd4	Bc5	22.Bh6	Bb2	22.Rb6	Nb6
32.Bc2	Rac8	23.Qe3	Re8	23.Rbl	Na4
33.c4	Bd6	24.Bg5	Qc4	24.Rb3	a5
34.Nb5	Bb8	25.Qe2	Bc3	25.h3	Kf8
35.Bd3	Ne4	26.Bd2	Bd2	26.Bc2	f5
36.Be4	de	27.Nd2	Qd5	27.ef	Ke7
37.Rd7	Nf5+	28.Nc4	Qd4	28.Nd2	Kf6
38.Kf2	Rfd8	29.Qa2	Qd3	29.Nc4	Bf5
39.Rb7	Rd2+	30.Qa4	Rb8	30.Bf5	Kf5
40.Kel	Rd3	31.Nd2	Rb2	31.Ra3	Nc3
41.Kf2	Rb3	32.Qa8	Kg7	32.Rc3	Ke4
42.Rel	Rb4	33.Qa5	c4	33.Na5	Kd5
43.c5	Ra4	34.f3	c3	34.a4	Ra8
44.Re2	Rc4	35.Kf2	Qd2+	35.Nc4	Kd4
45.Rd2	R4c5	36.Kg3	Qg2+	36.Rcl	d5
46.Ke2	R5c2	37.Kf4	e5+	37.Nb6	Ra6
47.Rbd7	Rd2+	38.Qe5	de+	38.Rdl+	Kc3
48.Kd2	h4	39.Ke4	Qfl	39.Nd5+	Kb2
49.Rb7	Bd6		0-1	40.Rel	Ra4
50.Nc3	Bb4			41.Nb6	Ra6
51.Rb4	ab			42.Nc4+	Kc3
52.Be4	b3			43.Ne5	Ra2
53.Kd3	b2			44.Kfl	Kd4
54.Nd2	Rd8+			45.f4	Rb2
55.Ke2	Rd2+				

Game 24 (Con't.)

56.Kd2	b1Q
57.e4	Qe4
58.Kc3	Qe3+
0-1	

Game 35 (Con't.)

46.Rd1+	Kc3
47.Rd7	g5
48.f5	Ra2
49.Rc7	Kd4
50.Nc6+	Kd5
51.f6	Ra1+
52.Kf2	Ra2+
53.Kg3	h5
54.f7	Ra8
55.Ne7+	Ke6
56.Nc8	Rc8
57.Rc8	Kf7
58.Rc5	
1-0	

Match: Super Constellation vs Conchess (2 MHz. version)
Length: 10 games
Final Score: S. Constellation 7 1/2 (6 wins, 1 loss, 3 draws)
             Conchess   2 1/2

Game 1
White: S. Const.
Black: Conchess

1.c4	e6
2.Nc3	d5
3.d4	Nf6
4.Bg5	Be7
5.e3	O-O
6.Nf3	Nbd7
7.Rc1	Nb6
8.c5	Nbd7
9.Bf4	b6
10.c6	Nb8
11.Bb5	Ba6
12.O-O	Bb5
13.Nb5	Na6
14.Qa4	Qc8
15.Ne5	Ne4
16.f3	Nf6
17.Bg3	Nh5
18.Bf2	Bg5
19.Nd7	Re8
20.Rc3	Nf6
21.Ra3	Nb8
22.Na7	Qd8
23.Ne5	Qe7

Game 5
White: S. Const.
Black: Conchess

1.e4	c5
2.Nf3	e6
3.d4	cd
4.Nd4	Nf6
5.Nc3	Bb4
6.e5	Nd5
7.Bd2	Bc3
8.bc	Qc7
9.f4	Nc3
10.Qf3	Nd5
11.Nb5	Qc6
12.Nd6+	Kf8
13.Qh5	g6
14.Qh6+	Ke7
15.Qg7	Rf8
16.c4	Qd6
17.ed+	Ke8
18.cd	a5
19.Qf6	Nc6
20.dc	dc
21.Qe7 mate	
1-0	

Game 6
White: Conchess
Black: S. Const.

1.e4	c5
2.Nf3	d6
3.d4	cd
4.Nd4	Nf6
5.Nc3	a6
6.Bg5	e6
7.f4	Be7
8.Qf3	Qc7
9.O-O-O	Nbd7
10.Nce2	O-O
11.Kb1	Nb6
12.Nb3	Bd7
13.g3	h6
14.Bh4	Bd8
15.Bg2	Rc8
16.Qc3	Bc6
17.Qd4	d5
18.e5	Ne4
19.Bd8	Rfd8
20.Nc3	Nc3+
21.Qc3	d4
22.Qd2	Nc4
23.Qf2	Bg2

Game 1 (Con't.)	
24.Qb5	Qf8
25.e4	de
26.Nf7	Bd2
27.Ne5	ef
28.gf	Ba5
29.Ra5	ba
30.Qb7	Ra7
31.Qa7	Qd6
32.Rc1	Qb4
33.Re1	Qa4
34.Qc7	Rf8
35.a3	Qc2
36.Qe7	Re8
37.c7	Na6
38.Qf7+	Kh8
39.Bh4	Nc7
40.Bf6	gf
41.Qf6+	Kg8
42.Kh1	Qf2
43.Rg1+	Qg1+
44.Kg1	Rf8
45.Qe7	Na8
46.Kg2	a4
47.Ng4	Rf3
48.Kf3	h5
49.Nf6+	Kh8
50.Qf8 mate	
1-0	

A brilliant attack
by S.Constellation.
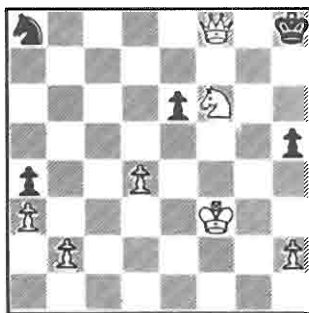
Game 9	

White: S. Const.
Black: Conchess

1.e4	e5
2.Nf3	Nf6
3.d4	Ne4
4.Bd3	d5
5.Ne5	Bd6
6.Nd2	Nd2
7.Bd2	Qe7
8.O-O	Be5
9.de	Nc6
10.Re1	O-O
11.Qh5	g6
12.Qe2	Re8
13.Bf4	b6
14.Qd2	Bb7
15.c3	Qh4
16.Bc2	Na5
17.b3	Qg4
18.Bg3	c5
19.h3	Qe6
20.Rad1	Qc8
21.Qh6	d4
22.cd	cd
23.Bh4	Qc6
24.Be4	Qc5
25.Bf6	Qf8
26.Qf8+	Rf8
27.Rd4	Be4
28.Ree4	Rac8
29.Rd7	Rc1+
30.Kh2	Re8
31.Ra7	Rc2
32.f4	Ra2
33.b4	Ra4
34.f5	gf
35.Rh4	Ra2
36.Rh5	Rc2
37.Rg5+	Kf8
38.e6	Nb7
39.e7+	Re7
40.g8+	Kg8
41.Ra8+	Rc8
42.Rc8+	Nd8
43.Rd8+	Re8
44.Re8 mate	
1-0	

Game 6 (Con't.)	
24.Qg2	Ne3
25.Qe2	Qc2+
26.Qc2	Rc2
27.Rd4	Rd4
28.Nd4	Rg2
29.Re1	Ng4
30.h3	Nf2
31.h4	Rg3
32.f5	Rg2
33.fe	fe
34.Ne6	Nd3
35.Re3	Rb7+
36.Ka1	Rd2
37.a3	g6
38.Re4	b5
39.Nc7	Nc5
40.Re3	Rd7
41.Ne8	Rd4
42.Rc3	Na4
43.Rh3	Kf7
44.Nc7	Re4
45.e6+	Ke7
46.Na6	Re6
47.Nc7	Re5
48.Rb3	Re4
49.Rb4	Rb4
50.ab	Nc3
51.Kb2	Kd7
52.Kc3	Kc7
53.Kd3	Kd7
54.Kd4	Kd6
55.Ke4	Ke7
56.Ke5	Kf7
57.Kd5	g5
58.hg	hg
59.Ke4	Ke6
60.Kf3	Kd5
61.Ke3	Kc4
62.Ke4	Kb4
63.Kd4	Ka3
64.Ke5	b4
65.Kf5	b3
66.Kg5	b2
67.Kf4	b1Q
68.Ke3	Qf5
69.Kd4	Kb4
70.Ke3	Kc3

Game 8	
White:Conchess	
Black:S. Const.	

1.d4	d5
2.Nf3	Nf6
3.c4	e6
4.Bg5	h6
5.Bf6	Bb4+
6.Nc3	Bc3
7.bc	Qf6
8.Qb1	O-O
9.cd	ed
10.e4	Qc6
11.c4	dc
12.Be2	Nd7
13.d5	Qc5
14.O-O	c6
15.Rd1	c3
16.Rc1	cd
17.ed	Nf6
18.Qb3	Nd5
19.Bc4	Be6
20.Bd5	Bd5
21.Rc3	Qa5
22.Qc2	Rad8
23.Rc7	Bf3
24.gf	Qg5+
25.Kf1	Rd2
26.Qc3	Qb5+
27.Kg1	Rd3
28.Qc1	Rf3
29.Qd2	Re8
30.a4	Qa6
31.Qd7	Re2
32.Qd8+	Kh7
33.Qd4	Qg6+
34.Kh1	Rff2
35.Qf2	Rf2
36.Rg1	Qe4+
37.Rg2	Qg2 mate
	0-1

Game 10	
White:Conchess	
Black:S. Const.	

1.Nf3	d5
2.c4	d4
3.e3	c5
4.b4	de
5.fe	cb
6.d4	Nf6
7.Bd3	Bg4
8.O-O	Nc6
9.Nd2	e5
10.Qa4	Bc5
11.Bb2	O-O
12.Bh7+	Nh7
13.dc	Ng5
14.Radl	Qe7
15.e4	f5
16.ef	Nf3+
17.gf	Qc5+
18.Kh1	Bf5
19.Qb5	Qb5
20.cb	Nd4
21.Rfe1	Rad8
22.Re5	Nf3
23.Re2	Bh3
24.Bcl	Bg4
25.Rf1	Nd2
26.Rf8+	Rf8
27.Rd2	Rfl+
28.Kg2	Rcl
29.Kg3	Be6
30.Re2	Kf7
31.Rf2+	Ke7
32.Rb2	b6
33.Kh4	Kf6
34.Rf2+	Bf5
35.Rb2	Rc3
36.Rb3	g5+
37.Kh5	Rc7
38.Rb4	Rh7 mate
	0-1

Game 6 (Con't.)

71.Ke2	Qf4
72.Kel	Kd3
73.Kdl	Qd2 mate
	0-1

A well played K & P ending. S. Const. has a good "understanding" of the opposition. Possibly the best example in these games of a chess computer appearing to understand strategy. Right back at move 25, S.C. set up a favorable end game. Rather than taking the rook on d1-- the obvious move, it pressed home its Q-side attack.

Mephisto Exclusive--Super Constellation Match

Game 1 White:S.Const. Black:Mephisto		Game 2 White:Mephisto Black:S.Const.		Game 3 White:S.Const. Black:Mephisto	
1.e4	c6	1.c4	e5	1.d4	Nf6
2.d4	d5	2.Nc3	Nc6	2.c4	e6
3.Nc3	de	3.Nf3	Nf6	3.Nf3	Bb4+
4.Ne4	Nf6	4.d4	e4	4.Bd2	Bd2+
5.Nf6+	gf	5.Nd2	Bb4	5.Nld2	d5
6.c3	e5	6.d5	Ne5	6.e3	Nc6
7.Nf3	Bg4	7.Qc2	e3!	7.Be2	O-O
8.Be2	Nd7	8.fe	O-O	8.Rc1	Qd6
9.Be3	Bf3	9.Qb3	Bc5	9.O-O	Bd7
10.Bf3	ed	10.Na4	Be7	10.Qb3	b6
11.cd	Bb4+	11.e4	d6	11.a3	Bc8
12.Kf1	O-O	12.Nc3	Nfd7	12.Qc2	Bb7
13.d5	Ne5	13.Qb4	Nb6	13.cd	Qd5
14.dc	bc	14.e3	c6	14.Bc4	Qh5
15.Qd8	Rfd8	15.Be2	cd	15.Be2	Qd5
16.Be4	a5	16.cd	Bg4	16.b4	a6
17.h3	Nc4	17.O-O	Be2	17.Bc4	Qd6
18.Bc6	Rac8	18.Ne2	Rc8	18.Bb3	b5
19.Ba4	Ne3+	19.Nd4	Bg5	19.Rfd1	Qd8
20.fe	Rd2	20.N2b3	Rc4	20.Qc5	Nd7
21.Rbl	Bc5	21.Qel	Bf6	21.Qc3	Nb6
22.g4	Be3	22.Bd2	Bh4	22.Qd3	Qf6
23.Kel	Rcd8	23.Qe2	Rc8	23.Bc2	Qh6
24.Rfl	Rh2	24.Racl	N6c4	24.Nb3	Nc4
25.Rdl	Bd2+	25.Bc3	Bf6	25.Nc5	Nd8
26.Rd2	R8d2	26.Nf5	Qd7	26.Ng5	f5
27.Rf6	Rde2+	27.N3d4	g6	27.Ne6	Be4
28.Kfl	Rb2	28.b3	Nb6	28.Ne4	fe
29.Kgl	Rbg2+	29.Nh6+	Kg7	29.Qe4	Ne6
30.Kfl	Ra2	30.Nb5	a6	30.Bb3	Qf6
31.Kgl	Rh3	31.Qf2	Be7	31.f4	Qg6
32.Be8	Rg3+	32.Na7	Rc3	32.Qg6	hg
33.Kfl	Ral+	33.Rc3	Kh6	33.Bc4	bc
34.Ke2	Rg4	34.Rlcl	Bd8	34.Rc4	Rad8
35.Bf7+	Kg7	35.a4	Kg7	35.Rc6	Rd6
36.Rf5	a4	36.a5	Na8	36.Rlcl	R8d8
37.Kd2	Rg2+	37.Qa2	Nc7	37.d5	Nf8
38.Kc3	a3	38.Qa4	Qa4	38.e4	Re8
39.Kb3	Rb2+	39.ba	Ne8	39.R6c4	R6d8
40.Ka4	Rabl	40.Rb3	Nf6	40.Kf2	Nh7

Game 1 (Con't.)		Game 2 (Con't.)		Game 3 (Con't.)	
41.Ka3	Rb7	41.Rc8	Ne4	41.a4	Nf6
42.Ka2	R1b6	42.Rb7	Ba5	42.Kf3	Re7
43.Bb3	Rb3	43.Rf8	Kf8	43.Rd4	Ne8
0-1		44.Rb8+	Kg7	44.e5	g5
		45.Nc6	Bd2	45.Rc6	gf
Game 4		46.Ne5	Be3+	46.Kf4	Rf7+
White:Mephisto		47.Kf1	de	47.Kg3	R7d7
Black:S.Const.		48.Rc8	f5	48.Ra6	Rd5
		49.Rc7+	Kf8	49.Rd5	Rd5
1.e4	c5	50.Rh7	Nf6	50.e6	Rd3+
2.Ne2	d6	51.Rh8+	Ke7	51.Kf2	Kf8
3.d4	cd	52.Ra8	Nd5	52.b5	Rd6
4.Nd4	Nf6	53.Ra6	g5	53.a5	Rd5
5.Nc3	a6	54.a5	e4	54.Rc6	Rb5
6.Be2	e5	55.Rg6	Kd7	55.a6	Rb4
7.Nf3	h6	56.a6	Nc7	56.Kg3	Ke7
8.Be3	Be6	57.Rg7+	Kd8	57.Kf3	Rb6
9.Nd2	b5	58.Rg8+	Ke7	58.Rb6	cb
10.Bf3	Be7	59.Rg7+	Kd6	59.a7	Nc7
11.Nd5	Bd5	60.Ke2	f4	60.Kf4	Ne6+
12.ed	N1d7	61.Rg5	Bb6	61.Ke5	Nc7
13.c3	Rc8	62.Rf5	e3	62.h4	Kd7
14.O-O	O-O	63.Rf4	Na6	63.h5	Kc6
15.a4	Rb8	64.Rf6+	Kc7	64.g4	Kd7
16.ab	Rb5	65.Rb6!	Kb6	65.g5	Ke7
17.Ra6	Nd5	66.Ke3	Nc7	66.h6	gh
18.Bd5	Rd5	67.h4	Nd5+	67.gh	Kf7
19.c4	Rd3	68.Kf3	Kc5	68.h7	Kg7
20.Qe2	Nc5	69.h5	Kd6	69.h8Q+	Kh8
21.Ra7	Bg5	70.h6	Nf6	70.Kf6	b5
22.b4	Re3	71.Kf4	Ke6	71.Ke5	b4
23.fe	Qb6	72.g3	Nh7	72.Ke4	b3
24.Ra3	Qb4	73.g4	Kf6	73.Kd3	Kg7
25.R1a1	f5	74.g5+	Ng5	74.Kd2	Kf6
26.Ra7	Bf6	75.h7	Nh7	75.a8Q+	Na8
27.Rb1	Qc3	1/2 - 1/2		76.Kd3	Nb6
28.Rb6	Rd8			77.Kc3	Nc4
29.Nf1	Bg5	Game 5		78.Kb3	
30.Qf3	Qc1	White:S.Const.		1/2 - 1/2	
31.Rc6	Ne6	Black:Mephisto			
32.h4	e4			Game 6	
33.Qh3	Bf6	1.e4	e5	White:Mephisto	
34.Qf5	Nc5	2.Nf3	Nc6	Black:S.Const.	
35.Qd5+	Kh8	3.Bb5	d6		
36.Rd6	Rd6	4.Bc6+	bc	1.Nc3	d5
37.Qd6	Qc4	5.d4	Bg4	2.d4	Nf6
38.Qf8+	Qg8	6.de	de	3.Nf3	Bf5

Game 4 (Con't.)

39.Qc5	Bh4
40.Qc6	Bf6
41.Ra6	Bd8
1-0	

Game 7
White:S.Const.
Black:Mephisto

1.e4	e5
2.f4	ef
3.Nf3	g5
4.h4	g4
5.Ne5	Nf6
6.d4	d6
7.Nd3	Ne4
8.Bf4	Be7
9.g3	d5
10.Bg2	Bd6
11.Qe2	Bf4
12.Nf4	f5
13.Nd2	Nc6
14.Ne4	de
15.c3	O-O
16.O-O-O	Kh8
17.Rhf1	Bd7
18.Rf2	a5
19.R1f1	Ne7
20.Qc4	b5
21.Qc5	Rf6
22.Nh5	Re6
23.Nf4	Rh6
24.Kb1	Rf6
25.Nh5	Re6
26.Nf4	Rh6
27.Qe5+	Kg8
28.h5	Rd6
29.Qc5	a4
30.Qa3	Nd5
31.Nd5	Rd5
32.h6	Rd6
33.Rh1	R8a6
34.R1f1	Rac6
35.Rf5	Bf5
36.Rf5	Rh6
37.Rb5	Rh2
38.Be4	Re6

Game 5 (Con't.)

7.Qd8+	Rd8
8.N1d2	Bd6
9.h3	Bf3
10.Nf3	Rb8
11.O-O	Nf6
12.Nd2	O-O
13.Rd1	Rfd8
14.b3	Bb4
15.f3	h6
16.Rb1	Rd7
17.a3	Bc3
18.Kf1	R1d8
19.Ke2	Nh5
20.Ke1	Nf4
21.g3	Nh3
22.f4	ef
23.gf	Nf4
24.b4	Rd4
25.Rb3	Re4+
26.Kf1	Re3
27.Kg1	Rh3
28.Rc3	Rc3
29.Re1	Rc2
30.Nb3	Nd3
31.Rd1	Rc3
32.Bh6	Rb3
0-1	

Game 8
White:Mephisto
Black:S.Const.

1.e4	e5
2.Bc4	Nf6
3.d4	ed
4.Qd4	Nc6
5.Qe3	Ne5
6.Bb3	d6
7.Nc3	Be7
8.N1d2	O-O
9.O-O	Re8
10.Bd2	N6g4
11.Qd4	Bf6
12.Qb4	Nc6
13.Qb5	Rb8
14.Qh5	N6e5
15.f4	g6

Game 6 (Con't.)

4.Nh4	Bd7
5.Bg5	e6
6.e4	Be7
7.ed	ed
8.Nf3	c6
9.Be2	O-O
10.O-O	h6
11.Bf6	Bf6
12.Re1	Re8
13.a3	Bg4
14.Nd2	Be2
15.Ne2	Nd7
16.b4	a5
17.ba	Ra5
18.c4	dc
19.Nc4	Rd5
20.Rc1	Bd4
21.Nd4	Re1+
22.Qe1	Rd4
23.Ne3	Ne5
24.Rd1	Rd1
25.Qd1	Qd1+
26.Nd1	b5
27.Nc3	Kf8
28.Nb1	c5
29.Kf1	Ke8
30.Ke2	Kd7
31.f4	Ng6
32.g3	c4
33.Nc3	Kc6
34.Kd2	Kc5
35.Ne4+	Kd5
36.Nc3+	Kc6
37.Kc1	Kc5
38.Ne4+	Kd5
39.Nc3+	Kc6
40.Kd2	Ne7
41.h4	f5
42.Ne2	b4
43.ab	Kb5
44.Nd4+	Kb4
45.h5	Kc5
46.Ne6+	Kb4
47.Nd4	Kc5
48.Ne6+	Kd5
49.Ng7	Ke4
50.Ke2	Nc6

Game 1 (Con't.)		Game 2 (Con't.)		Game 3 (Con't.)	
41.Ka3	Rb7	41.Rc8	Ne4	41.a4	Nf6
42.Ka2	R1b6	42.Rb7	Ba5	42.Kf3	Re7
43.Bb3	Rb3	43.Rf8	Kf8	43.Rd4	Ne8
	0-1	44.Rb8+	Kg7	44.e5	g5
		45.Nc6	Bd2	45.Rc6	gf
Game 4		46.Ne5	Be3+	46.Kf4	Rf7+
White:Mephisto		47.Kf1	de	47.Kg3	R7d7
Black:S.Const.		48.Rc8	f5	48.Ra6	Rd5
		49.Rc7+	Kf8	49.Rd5	Rd5
1.e4	c5	50.Rh7	Nf6	50.e6	Rd3+
2.Ne2	d6	51.Rh8+	Ke7	51.Kf2	Kf8
3.d4	cd	52.Ra8	Nd5	52.b5	Rd6
4.Nd4	Nf6	53.Ra6	g5	53.a5	Rd5
5.Nc3	a6	54.a5	e4	54.Rc6	Rb5
6.Be2	e5	55.Rg6	Kd7	55.a6	Rb4
7.Nf3	h6	56.a6	Nc7	56.Kg3	Ke7
8.Be3	Be6	57.Rg7+	Kd8	57.Kf3	Rb6
9.Nd2	b5	58.Rg8+	Ke7	58.Rb6	cb
10.Bf3	Be7	59.Rg7+	Kd6	59.a7	Nc7
11.Nd5	Bd5	60.Ke2	f4	60.Kf4	Ne6+
12.ed	N1g7	61.Rg5	Bb6	61.Ke5	Nc7
13.c3	Rc8	62.Rf5	e3	62.h4	Kd7
14.0-0	0-0	63.Rf4	Na6	63.h5	Kc6
15.a4	Rb8	64.Rf6+	Kc7	64.g4	Kd7
16.ab	Rb5	65.Rb6!	Kb6	65.g5	Ke7
17.Ra6	Nd5	66.Ke3	Nc7	66.h6	gh
18.Bd5	Rd5	67.h4	Nd5+	67.gh	Kf7
19.c4	Rd3	68.Kf3	Kc5	68.h7	Kg7
20.Qe2	Nc5	69.h5	Kd6	69.h8Q+	Kh8
21.Ra7	Bg5	70.h6	Nf6	70.Kf6	b5
22.b4	Re3	71.Kf4	Ke6	71.Ke5	b4
23.fe	Qb6	72.g3	Nh7	72.Ke4	b3
24.Ra3	Qb4	73.g4	Kf6	73.Kd3	Kg7
25.R1a1	f5	74.g5+	Ng5	74.Kd2	Kf6
26.Ra7	Bf6	75.h7	Nh7	75.a8Q+	Na8
27.Rb1	Qc3		1/2 - 1/2	76.Kd3	Nb6
28.Rb6	Rd8			77.Kc3	Nc4
29.Nf1	Bg5	Game 5		78.Kb3	
30.Qf3	Qc1	White:S.Const.			1/2 - 1/2
31.Rc6	Ne6	Black:Mephisto			
32.h4	e4			Game 6	
33.Qh3	Bf6	1.e4	e5	White:Mephisto	
34.Qf5	Nc5	2.Nf3	Nc6	Black:S.Const.	
35.Qd5+	Kh8	3.Bb5	d6		
36.Rd6	Rd6	4.Bc6+	bc	1.Nc3	d5
37.Qd6	Qc4	5.d4	Bg4	2.d4	Nf6
38.Qf8+	Qg8	6.de	de	3.Nf3	Bf5

Game 7 (Con't.)	
39.Bd5	Qd5
40.Rb8+	Kg7
41.Qf8+	Kg6
42.Qg8+	Kf5
43.Rf8+	Ke4
44.Qg4+	Kd3
45.Qd1+	Kc4
46.Qa4+	Kd3
47.Qd1+	Rd2
48.Rf3+	Re3
49.Qf1+	Re2
50.Qd1+	Rd2
51.Qf1+	Re2
52.Qd1+	Rd2
53.Qf1+	
1/2 - 1/2	

Game 10
White:Mephisto
Black:S.Const.

1.e4	c5
2.Nc3	Nc6
3.g3	g6
4.Bg2	Bg7
5.d3	d6
6.N1e2	Nf6
7.O-O	O-O
8.Be3	Bd7
9.Bd2	Nd4
10.Bg5	h6
11.Bg6	Ne2+
12.Ne2	Bf6
13.Qc1	Bg7
14.c4	b5
15.a3	a5
16.Qd2	bc
17.dc	Rb8
18.Rab1	Qb6
19.Nc3	Qa6
20.Nd5	e6
21.Ne3	Rb3
22.Rfd1	Rb6
23.b4	ab
24.ab	R8b8
25.b5	Qa4
26.Rbc1	f5

Game 8 (Con't.)	
16.Qh3	Nc6
17.f5	N4e5
18.Qg3	Bh4
19.Qf4	g5
20.Qe3	Bd7
21.a4	Ng4
22.Qh3	Nf6
23.Qe3	Qe7
24.g3	Ne4
25.Rae1	Nd2
26.Qd2	Bg3
27.hg	Qd8
28.f6	h6
29.Rf2	b6
30.Nd5	Ne5
31.Ne7+	Kf8
32.Qd4	Ng4
33.Qe4!	Nf2
34.Qh7	Nh3+
35.Kh2	Re7
36.Qh8 mate	
1-0	

Game 11
White:S.Const.
Black:Mephisto

1.e4	c6
2.d4	d5
3.Nc3	de
4.Ne4	Nd7
5.Bc4	Nb6
6.Be2	Nf6
7.Nf6+	ef
8.Nf3	Be6
9.O-O	Bd6
10.Bd2	O-O
11.Ba5	Re8
12.Re1	Bc7
13.Bd3	Na4
14.Bc7	Qc7
15.c3	Nb6
16.Bc2	Qf4
17.Qd3	Qh6
18.Qd2	Qd2
19.Nd2	g6
20.Ne4	Kg7

Game 6 (Con't.)	
51.Ne6	c3
52.Nc5+	Kd5
53.Nd3	Nd4+
54.Ke3	c2
55.Nc1	Kc4
56.Kd2	Kb4
1/2 - 1/2	

Game 9
White:S.Const.
Black:Mephisto

1.d4	f5
2.g3	Nf6
3.Bg2	c5
4.Nf3	cd
5.O-O	d5
6.Bf4	N8d7
7.Qd4	e6
8.Qc3	Bc5
9.N1d2	O-O
10.Rad1	Ne4
11.Ne4	fe
12.Nd4	Qe7
13.Nb3	b6
14.Qd2	Nf6
15.Nc5	bc
16.Qc3	Ba6
17.Rfe1	Bb7
18.Qe5	a5
19.Qd6	Qf7
20.Qc7	Qc7
21.Bc7	Rf7
22.Bd6	Nd7
23.Rf1	Ra6
24.Bc7	Nf8
25.Bf4	Ng6
26.Be3	d4
27.Bd2	e5
28.c3	Rb6
29.b3	Ra6
30.cd	cd
31.Be1	Rc7
32.f4	ef3
33.Bf3	Bf3
34.ef	Ne7
35.f4	Nd5

Game 10 (Con't.)		Game 11 (Con't.)		Game 9 (Con't.)	
27.ef	gf	21.Nc5	Re7	36.fe	Ne3
28.Rc2	Qa7	22.Re2	Rae8	37.Rd4	Nf1
29.Ra2	Qc7	23.Rae1	Nd5	38.Kf1	Rca7
30.Qd3	Kh7	24.h3	h6	39.Kg2	Kf7
31.Qa3	Be8	25.Bb3	b6	40.Kf3	g5
32.Qa7	Qd8	26.Na6	Bd7	41.Bd2	h6
33.Ra6	Bh5	27.Re7	Re7	42.Be3	Re6
34.Rb6	Qb6	28.Re7	Ne7	43.Rd5	Ra8
35.Ra1	Qd8	29.Nc7	a5	44.Ke4	R6a6
36.Ra6	Be8	30.Kf1	Kf8	45.Kf5	Rf8
37.b6	Bg6	31.c4	Nf5	46.Bc5	Re8
38.Qc7	f4	32.d5	Ke7	47.Rd7+	Kg8
39.gf	e5	33.Kg1	Nh4	48.Rd6	Rd6
40.Ra7	Qc7	34.Kh2	Kd6	49.ed	Re2
41.bc	Rg8	35.dc	Bc6	50.d7	Rd2
42.fe	Bf7	36.Nb5+	Kc5	51.Ke6	Rd7
43.Bh3	Be5+	37.f3	Bc6	52.Kd7	
44.Kh1	Kg6	38.cb	Kb5		1-0
45.c8Q	Rc8	39.Bf7	g5		
46.Bc8	Bg8	40.Kg1	Kc5	Game 12	
47.Bb7	Bd4	41.Kf2	b5	White:Mephisto	
48.Ra4	Kg5	42.g4	Kd4	Black:S.Const.	
49.Kg2	Be3	43.Be8	b4		
50.fe	Kf6	44.Kg3	Kd3	1.d4	Nf6
51.Ba8	Ke5	45.Ba4	Ke2	2.c4	e6
52.Kf3	Bf7	46.f4	Kf1	3.Nc3	Bb4
53.e4	Be8	47.Bb5+	Kg1	4.Qc2	c5
54.Ra7	Kd4	48.b3	Ng2	5.dc	O-O
55.Kf4	Kc4	49.fg	fg	6.Bg5	h6
56.Ra6	Kb4	50.Bc6	Nf4	7.Bf6	Qf6
57.Rd6	c4	51.Bb5	Nd5	8.Nf3	Bc3+
58.Rh6	c3	52.h4	Nc3	9.Qc3	Qc3+
59.Ke3	Ba4	53.hg	hg	10.bc	Na6
60.Rh7	Ka3	54.Bd3	Na2	11.c6	bc
61.Rb7	Bb3	55.Kf3	Nc3	12.e4	Nc5
62.h4	Ka2	56.Bc2	Kh2	13.e5	Rb8
63.Rb3	Kb3	57.Kf2	Kh3	14.Nd4	Rb2
64.Bc6	c2	58.Kf3	Kh4	15.Be2	Ne4
65.Ba4+	Ka4	59.Bf5	a4	16.Rc1	Ra2
66.Kd2	Kb3	60.ba	Na4	17.f3	Nc5
67.Kc1		61.Ke3	Nb2	18.O-O	Ba6
	1-0	62.Kd4	Nd1	19.Ra1	Ra1
		63.Kc5	b3	20.Ra1	f6
		64.Kb4	b2	21.ef	Rf6
		65.Ka3	b1N+	22.Ra5	d6
		66.Bb1	Kg4	23.Nc6	Rf7
			1/2 - 1/2	24.Kf1	Kf8

Game 13		Game 14		Game 12 (Con't.)	
White:S.Const.		White:Mephisto			
Black:Mephisto		Black:S.Const.		25.Nd4	e5
				26.Nb5	Bb5
1.d4	e6	1.e4	e5	27.cb	d5
2.c4	Nf6	2.Nf3	Nc6	28.Ke1	Rb7
3.Nf3	b6	3.Bb5	a6	29.Ra3	Ke7
4.a3	Bb7	4.Ba4	Nf6	30.Kd2	e4
5.Nc3	d5	5.O-O	Be7	31.fe	de
6.cd	ed	6.Re1	b5	32.c4	Kd6
7.g3	Bd6	7.Bb3	d6	33.h4	Ke5
8.Bg5	O-O	8.Nc3	O-O	34.g4	Kd4
9.Bh3	c5	9.Nd5	Na5	35.Re3	a6
10.O-O	cd	10.d4	Nb3	36.Ra3	e3+
11.Nd4	h6	11.Ne7+	Qe7	37.Ke1	ab
12.Bd2	Nc6	12.ab	Bb7	38.cb	Ke4
13.e3	Ne4	13.Bg5	h6	39.Ra3	Ne6
14.Nf5	Be5	14.Bf6	Qf6	40.Rc4+	Nd4
15.Rc1	Rc8	15.d5	Qe7	41.Ra4	Ke5
16.Qe2	Rc7	16.c4	f5	42.Ra8	Rc7
17.Rfd1	Ne7	17.cb	ab	43.Kd1	Rc2
18.Nd4	Qb8	18.Ra8	Ra8	44.Re8+	Kf4
19.Nb5	Rc1	19.Qd3	c6	45.Rf8+	Kg3
20.Rc1	a5	20.dc	Bc6	46.Rf3+	Nf3
21.b4	Ng5	21.ef	e4	47.Kc2	Kf2
22.Bg2	ab	22.Qc3	Qb7	48.Bf3	Kf3
23.Bb4	Re8	23.Nd4	Bd7	49.b6	e2
24.Be7	Re7	24.f6	g5	50.b7	e1Q
25.Nf5	Bf6	25.b4	Rf8	51.b8Q	Kg4
26.Ne7+	Be7	26.Rc1	Rf6	52.Qc8+	Kh4
27.Qd3	Qd8	27.Nb5	Rg6	53.Qc4+	Kh5
28.Rc7	Ba6	28.Qb3+	Kg7	54.Qf7+	g6
29.Ra7	Bb5	29.Nc7	Rf6	55.Qf3+	Kg5
30.Qb5	Bd6	30.b5	Qb6	56.Qg2+	Kf6
31.Qd5	Qf6	31.Rc2	Qd4	57.Qc6+	Kf5
32.Qd4	Bf8	32.Qd5	Qa4	58.Qd7+	Qe6
33.Qf6	gf	33.Rc1	Qb4	59.Qe6+?	Ke6
34.Kf1	Bd6	34.b3	Qa3		0-1
35.Ke2	Ne6	35.Qd1	Qa7		
36.a4	Kf8	36.Qd2	Rf7	Game 15	
37.Rb7	Bc5	37.b4	Kg8	White:S.Const.	
38.Kd3	Nd8	38.Rc4	Qa1+	Black:Mephisto	
39.Ra7	Bd6	39.Qc1	Qa2		
40.Rd7	Be7	40.Rc3	Qa4	1.e4	e6
41.Kc4	Ne6	41.Qd2	Qa1+	2.d4	d5
42.Kb5	Ke8	42.Rc1	Qa7	3.Nc3	de
43.Rb7	Bd8	43.Qe2	Qd4	4.Ne4	Nd7
44.Bd5	Nc7+	44.Rb1	Bf5	5.Nf3	N8f6
45.Kc6	Nd5	45.Rd1	Qa7	6.Bd3	Ne4

Game 13 (Con't.)		Game 14 (Con't.)		Game 15 (Con't.)	
46.Kd5	f5	46.Nd5	Bg6	7.Be4	Nf6
47.Ke5	f4	47.Qb2	Bf5	8.Bg5	Be7
48.Kf4	Kf8	48.Nf6+	Kf8	9.Bf6	Bf6
49.Kg4	Kg7	49.Rd6	Rb7	10.c3	c6
50.Rd7	Bf6	50.Nd5	Kf8	11.O-O	Be7
51.Rd6	Be5	51.Rd8+	Kh7	12.Ne5	O-O
52.Rb6	Bc7	52.Rh8+	Kg6	13.Bc2	Bd6
53.a5	Bd8	53.Qf6+	Kh5	14.Qd3	Qh4
54.Rb5	Ba5	54.Rh6+	Kg4	15.Nf3	Qh5
55.Ra5		55.h3 mate		16.Rfe1	b5
	1-0		1-0	17.a4	Bb7
				18.ab	cb

Game 16		Game 17		19.Ne5	a6
White:Mephisto		White:S.Const.		20.Re3	Be5
Black:S.Const.		Black:Mephisto		21.Re5	Qg6
				22.Qg6	hg
1.c4	Nf6	1.Nf3	d5	23.h3	Rfd8
2.d4	g6	2.d4	e6	24.f3	Bd5
3.Nc3	Bg7	3.c4	Nf6	25.Kf2	a5
4.e4	d6	4.Nc3	c5	26.Bd3	b4
5.Nf3	O-O	5.cd	Nd5	27.c4	Bc6
6.Be2	Nc6	6.e4	Nc3	28.R5a5	Ra5
7.d5	Nb8	7.bc	cd	29.Ra5	b3
8.Be3	e5	8.cd	Nc6	30.Ke3	Kf8
9.O-O	Ng4	9.Bc4	Qa5+	31.Ra3	Rb8
10.Bg5	f6	10.Bd2	Bb4	32.Kd2	g5
11.Bd2	f5	11.Rb1	Bd2+	33.Kc3	Ke7
12.Bg5	Nf6	12.Qd2	Qd2+	34.c5	f5
13.Bd3	Kh8	13.Kd2	O-O	35.Rb3	Rb3+
14.Bf6	Qf6	14.Rb5	b6	36.Kb3	Kd7
15.ef	gf	15.Rc1	g6	37.Bf1	f4
16.Nb5	Na6	16.Ke3	Bb7	38.Kb4	Kc7
17.Bc2	Bd7	17.Rb3	Rfd8	39.Bc4	Bd5
18.Rb1	e4	18.R3c3	a6	40.Bd5	ed
19.Nd2	c6	19.Bd3	Nb4	41.Kb5	g4
20.Nc3	Nb4	20.Rc7	Rac8	42.hg	g6
21.a3	Nc2	21.a3	Nd3	43.b3	Kb7
22.Qc2	Rae8	22.Kd3	a5	44.c6+	Ka7
23.Qa4	Qg5	23.Ne5	f5	45.b4	g5
24.Qc2	cd	24.f3	f4	46.Kc5	Kb8
25.Nd5	b5	25.Nd7	Rd7	47.b5	Kc7
26.b3	bc	26.Rc8+	Bc8	48.b6+	Kd8
27.Nc4	f4	27.Rc8+	Kf7	49.Kd6	Kc8
28.Rfd1	f3	28.Kc4	h5	50.b7+	Kb8
29.g3	Rc8	29.Rc6	Rb7	51.Kd7	Ka7
30.Ne3	Rfe8	30.a4	h4	52.Kc8	Ka6
31.Rd5	Qg6	31.Kb5	Rd7		1-0

```
Game 16 (Con't.)      Game 17 (Con't.)      Game 18

32.Rd6    Be6         32.Rc4    Rd6         White:Mephisto
33.R1d1   Qh5         33.h3     g5          Black:S.Const.
34.a4     Qh3         34.Ka6    Kf8
35.Qb1    Bf5         35.Kb7    Ke8          1.e4     e6
36.R1d5   Be6         36.Kc7    b5           2.d4     d5
37.Ra5    Bc4         37.ab     Rd8          3.Nc3    Bb4
38.bc     Rc4         38.b6     Rd7+         4.e5     c5
39.Ra7    Bd4         39.Kc6    Rd8          5.a3     Bb3+
40.Rd4    Rd4         40.b7     Ke7          6.bc     Ne7
41.Qb2    R8d8        41.Kb6                 7.a4     cd
42.Re7    Qh5              1-0              8.cd     O-O
43.Re4    Qa5                                9.Nf3    Qa5+
44.Rd4    Rd4                               10.Bd2    Qc7
45.Qd4+   Kg8         Game 19               11.Bd3    f6
46.Qd5+   Qd5         White:S.Const.        12.O-O    fe
47.Nd5    h5          Black:Mephisto        13.Ne5    N8c6
48.a5                                       14.Nc6    bc
     1-0                                    15.Qh5    g6
                       1.d4     d5          16.Qe2    c5
                       2.c4     c6          17.Bh6    Rf7
Game 20                3.Nf3    e6          18.c3     cd
White:Mephisto         4.Nc3    Nf6         19.cd     Nc6
Black:S.Const.         5.e3     N8d7        20.Qe3    Bb7
                       6.Bd3    dc          21.Rfe1   Qb6
 1.c4     e5           7.Bc4    Nb6         22.Rad1   Qb2
 2.Nc3    Nc6          8.Bd3    Bb4         23.Rd2    Qb4
 3.Nf3    Nf6          9.O-O    O-O         24.Bc2    Re8
 4.d4     e4          10.Ne2    a5          25.Rb1    Qd6
 5.Nd2    Nd4         11.Bd2    Qd6         26.Bb3    Ne7
 6.N2e4   Ne4         12.Bb4    ab          27.Qg3    Qg3
 7.Qd4    Nc3         13.Qc2    Nbd7        28.hg     Rc8
 8.Qc3    d5          14.Ng5    h6          29.Bf4    Nc6
 9.cd     Qd5         15.Bh7+   Kh8         30.Rc1    R8f8
10.f3     Qc5         16.Ne4    Qd5         31.Rc5    a5
11.Bd2    Be6         17.Nf4    Qa5         32.Bh6    Rb8
12.e4     Rc8         18.Nf6    Nf6         33.Ba2    Rd8
13.Be3    Qc3+        19.Bd3    e5          34.Bb3    Rb8
14.bc     Ba3         20.de     Ng4         35.Bf4    R8f8
15.Rb1    b6          21.h3     Ne5         36.Rd1    Rd7
16.Ba6    Rd8         22.Be2    Rd8         37.Bh6    Rb8
17.Bb5+   Bd7         23.Rfe1   Kg8         38.Ba2    Ba8
18.Bg5    f6          24.Bf1    b6          39.Rb1    Rb1+
19.Bf4    c6          25.Red1   Bb7         40.Bb1    Rd8
20.Bc4    b5          26.Rd4    c5          41.Be3    Rb8
21.Bb3    Bc8         27.Rd8+   Rd8         42.Rb5    Rc8
22.Be3    a6          28.Be2    c4          43.f3     Rc7
23.Bb6    Rd6         29.Rd1    Rd1+            1/2 - 1/2
24.O-O    c5          30.Qd1    c3
                      31.bc     bc
```

		32.Qd8+	Kg7
		33.Bd3+	Nd3
		34.Qd3+	f5
		35.a4	Be4
		36.Qd6	Qa4
		37.Qb6	c2
31.Rd1	Be5	38.Qb2	Qd7
32.Be1	a5	39.Kh2	Qd1
33.Bb1	Kf7	40.Qb6	Qd7
34.Bd2	b4	41.Qb2	Qc7
35.cb	Rd8	42.Qc1	g5
36.Bc2	c3	43.f3	Bd5
37.Be3	Rd1+	44.h4	gf
38.Bd1	ab	45.ef	Qc3
39.f4	Bd6	46.g4	Qf3
40.Bb3	Bb3	47.Qc2	Qh1+
41.ab	Ke6	48.Kg3	Qg1+
42.g4	g5	49.Kh3	fg mate
43.fg	fg		0-1
44.Bg5	Ke5		
45.Kf2	Ke4		
46.h3	Bf4		
47.Bf4	Kf4		
48.Ke2	Kg3		
49.g5	Kh3		
50.Kd1	Kh4		
51.g6	hg		
52.Ke2	Kf4		
53.Kd3	g5		
54.Kc4	c2		
55.Kd4	c1Q		
	0-1		

Final Score

		W L D
Mephisto	11 1/2	8-6-6
Super Constellation	9 1/2	

55% = 40 rating points = 2058

OR.

$$R_q = 2018 + \frac{400(c)}{20} = 2058$$

SUPER CONSTELLATION VS TURBOSTAR 432

Sample of 6 Tournament Games

Game 1		Game 2		Game 3	
White: S. Const.		White: Turbostar		White: S. Const.	
Black: Turbostar		Black: S. Const.		Black: Turbostar	
1.e4	c5	1.d4	Nf6	1.e4	c5
2.Nf3	Nf6	2.c4	e6	2.Nf3	d6
3.Nc3	d5	3.Nf3	b6	3.d4	cd
4.ed	Nd5	4.a3	Bb7	4.Nd4	Nf6
5.Bb5+	Bd7	5.Nc3	d5	5.Nc3	Nc6
6.Ne5	Bb5	6.cd	ed	6.Be2	Bd7
7.Nb5	Nd7	7.g3	Be7	7.O-O	g6
8.Nf7!	Kf7	8.Bg2	O-O	8.Rb1	Bg7
9.Qh5+	Ke6	9.O-O	Na6	9.Be3	O-O
10.Qg4+	Kf6	10.Bf4	c5	10.f4	Qa5
11.Qf3+	Ke5	11.Ne5	cd	11.Kh1	Nd4
12.d4+	cd	12.Qd4	Bc5	12.Bd4	Bc6
13.O-O	Qa5	13.Qd3	Nc7	13.e5	de
14.Qh5+	Ke6	14.Rac1	Ne6	14.fe	Ne4
15.Qg4+	Kf6	15.Rfd1	Bd4	15.Ne4	Be4
16.Bg5+	Kf7	16.Bf3	g5	16.Rf4	Bf5
17.Qd7	Nf6	17.Nb5	Bb2	17.Bc3	Qb6
18.Nd6+	Kg6	18.Rc2	gf	18.Rf1	Rd8
19.Bg6	ef	19.Rb2	fg	19.Qe1	Qe6
20.Nf7	Rg8	20.hg	Re8	20.b3	Be5
21.Qb7	Re8	21.Qf5	Ng7	21.Bc4	Bc3
22.f4	h6	22.Qg5	h6	22.Qc3	Qf6
23.Radl	Bc5	23.Qf4	Qb8	23.Qe3	b6
24.Kh1	Qa2	24.Nd3	Qf4	24.Rbel	e5
25.b4	Be7	25.Nf4	Re5	25.Bd3	Rc8
26.Ne5+	fe	26.Nc7	Rd8	26.Qg3	Qg7
27.Qe4+	Kh5	27.R2d2	Ne4	27.Rf5	gf
28.Qf5+	g5	28.Be4	Re4	28.Qg7	Kg7
29.Rd3	Qb3	29.Nd5	Bd5	29.Re5	Rfe8
30.cb	ef	30.Rd5	Rd5	30.Re8	Re8
31.Rh3 mate		31.Rd5	Ne6	31.Kg1	Kf6
1-0		32.Ne6	Re6	32.Kf2	Ke5
		33.Rf1	Kg7	33.c4	Rd8
Game 4		34.Rd7	a6	34.Ke3	f4+
White: Turbostar		35.Ra7	b5	35.Ke2	h6
Black: S. Const.		36.e3	Rc6	36.b4	Kd4
		37.Ke2	Kg6	37.Kd2	Rg8
1.c4	e5	38.g4	f5	38.Bf1	Rg5
2.Nc3	Nc6	39.gf+	Kf5	39.a4	Re5
3.g3	g6	40.f3	Kg5	40.Be2	Re3

Game 4 (Con't.)		Game 2 (Con't.)		Game 3 (Con't.)	
4.Bg2	Bg7	41.Kd3	h5	41.c5	bc
5.e3	N8e7	42.Rg7+	Kh4	42.bc	Kc5
6.d3	O-O	43.e4	Rc4	43.a5	Ra3
7.N1e2	f5	44.e5	Rf4	44.a6	Kd4
8.O-O	d6	45.Ke3	Ra4	45.Kc1	Kc5
9.f4	Re8	46.e6	Ra3+	46.Kd2	Kb6
10.fe	de	47.Ke4	Ra2	47.Ke1	Ra6
11.a3	Be6	48.f4	Re2+	48.Ba6	Ka6
12.e4	Qd7	49.Kd5	b4	49.Kd2	Kb5
13.Bg5	h6	50.f5	b3	50.Kd3	a5
14.Be7	Re7	51.f6	Rd2+	51.Kc3	h5
15.ef	gf	52.Kc6	Rf2	52.Kb3	h4
16.Qb3	Qc8	53.f7	b2	53.Kc3	a4
17.Nd5	Re8	54.Rg1	Rf6	54.h3	Kc5
18.c5	Kh8	55.Kd7	Rf4	55.Kd3	a3
19.Kh1	Qd7	56.Ke7	Kh3	56.Kc3	f5
20.N2c3	Na5	57.f8Q		57.Kb3	Kd4
21.Qb4	c6	1-0		58.Ka3	Ke3
22.Qa5	Bd5			0-1	
23.Bd5	cd	Game 5			
24.Nb5	f4	White: S. Const.		Game 6	
25.Rg1	fg	Black: Turbostar		White: S. Const.	
26.Rg3	Qd8			Black: Turbostar	
27.Qd8	Red8	1.e4	e6		
28.Nd6	Rd7	2.d4	d5	1.e4	e6
29.R1g1	Rf8	3.Nd2	Nf6	2.d4	d5
30.Kg2	Rc7	4.e5	N6d7	3.Nc3	Bb4
31.b4	b6	5.c3	c5	4.e5	c5
32.Nb5	R7f7	6.Bd3	Qb6	5.a3	Bc3+
33.cb	ab	7.N1f3	Nc6	6.bc	Qc7
34.Rg6	Rf6	8.dc	Bc5	7.Nf3	Ne7
35.Rf6	Bf6	9.Qe2	Qc7	8.Qd2	Qa5
36.Rf1	Rg8+	10.Nb3	O-O	9.c4	Qb6
37.Kh3	Kg7	11.Bh7+	Kh7	10.cd	Nd5
38.Nc7	d4	12.O-O	Kg8	11.c4	Ne7
39.Nd5	Bd8	13.Nc5	Nc5	12.d5	O-O
40.Re1	Rf8	14.Bf4	b6	13.Bd3	ed
41.Kg4	Rf2	15.e3	Ba6	14.cd	Nd5
42.Re5	b5	16.Rfd1	Ne7	15.Bh7+	Kh7
43.Nf4	Bg5	17.Ng5	Rfc8	16.Qd5	Be6
44.Nh3	Kf6	18.Rac1	Bb7	17.Ng5+	Kg8
45.Nf2	Ke5	19.c4	dc	18.Qd3	g6
46.Ne4	Bc1	20.Qh3	Ng6	19.O-O	Nc6
47.Kh5	Ba3	21.Rc4	Bd5	20.Qe4	Bb3
48.Kh6	Bb4	22.Rd4	Qc6	21.Qh4	Rfd8
49.Kg6	Bc3	23.Qh5	Rd8	22.Rb1	Kf8
50.h4	b4	24.b4	Na4	23.Nh7+	Ke8

Game 4 (Con't.)		Game 5 (Con't.)		Game 6 (Con't.)	
51.Nf2	b3	25.Rc1	Qb7	24.Nf6+	Kf8
52.Nd1	Ke6	26.Bg3	Bg2	25.Bh6+	Ke7
53.h5	Bb4	27.Qh7+	Kf8	26.Nd5+	Ke8
54.h6	Be7	28.Rd8+	Rd8	27.Nb6	ab
55.Nb2	Bf6	29.Ne6+	fe	28.Rb3	Rd4
56.Nc4	Bh8	30.Qg6	Bf3	29.Qf6	Ra6
57.Kh7	Bf6	31.Qe6	Nc3	30.Bg5	Kd7
58.Kg8	Kd5	32.Qf5+	Qf7	31.Qf7+	Kc8
59.h7	Ke6	33.Qg5	Ne2+	32.e6	Kb8
60.h8Q	Bh8	34.Kf1	Qd7	33.e7	Ne7
61.Kh8	Kf6	35.Ke1	Nc1	34.Be7	Rd7
62.Kg8	Kg6		0-1	35.Qe8+	Kc7
63.Kf8	Kf6			36.Bh4	b5
64.Ke8	Ke6			37.Bg3+	Kb6
65.Kd8	Kd5			38.Qd7	Ra5
66.Kd7	Kc5			39.Bc7+	Ka7
67.Ke6	Kb4			40.Ba5	b4
68.Kd5	Kc3			41.ab	c4
69.Ke4	b2			42.Ra3	c3
70.Nb2	Kb2			43.Bc7 mate	
71.Kd4	Kb3				1-0
72.Kd5	Kb4				
73.d4	Kb5				
74.Kd6	Kc4				
75.d5					
	1-0				

MEPHISTO BLITZ   VS   TURBOSTAR 432

Sample of 3 Tournament Games

Game 1 White: Turbostar Black: Mephisto		Game 2 White: Mephisto Black: Turbostar		Game 3 White: Turbostar Black: Mephisto	
1.e4	c6	1.e4	e5	1.d4	d5
2.d4	d5	2.d4	ed	2.Nf3	c6
3.e5	Bf5	3.Qd4	Nc6	3.Bf4	Qb6
4.h4	Nd7	4.Qe3	b6	4.b3	Bf5
5.g4	Be6	5.Nc3	Bb7	5.e3	Nf6
6.Bg2	f6	6.Nf3	Bc5	6.Bd3	Bd3
7.Qe2	fe	7.Qg5	Qg5	7.Qd3	c5
8.de	Qa5	8.Bg5	Nge7	8.dc	Qc5
9.Nd2	Qa4	9.Bc4	f6	9.0-0	Nbd7
10.g5	Qc2	10.Bf4	0-0-0	10.Nbd2	Qa5
11.Ngf3	Bg4	11.0-0	Nb4	11.c4	e6

Game 1 (Con't.)		Game 2 (Con't.)		Game 3 (Con't.)	
12.a3	e6	12.Bb3	g5	12.cd	ed
13.Rg1	Bc5	13.Bg3	g4	13.a3	Be7
14.Bf1	Bf5	14.Nd2	d5	14.b4	Qb6
15.h5	Ne7	15.a3	Na6	15.Nd4	O-O
16.h6	gh	16.ed	Nd5	16.Racl	Rac8
17.gh	Ng6	17.Bd5	Bd5	17.Rfd1	Rfe8
18.Ng5	Bd4	18.Nd5	Rd5	18.h3	a5
19.Ndf3	Bc3	19.Ne4	f5	19.Rc8	Rc8
20.Nd2	Nc5	20.Nc5	Nc5	20.ba	Qa5
21.Qd1	Qd1	21.b4	Ne4	21.Nb1	Qa4
22.Kd1	Bd2	22.c4	Rd2	22.Nb5	Qc4
23.Bd2	Nb3	23.Bf4	Re2	23.Qc4	dc
24.Rc1	Ncl	24.Radl	Rf8	24.Rd4	Rc6
25.Kcl	Rd8	25.b5	h5	25.Nd2	c3
26.f4	O-O	26.Rd4	Ra2	26.Nb3	c2
27.Be2	d4	27.Rd3	Rd8	27.Ncl	Rb6
28.Bc4	Rfe8	28.Rd8	Kd8	28.a4	Rc6
29.Kd1	b5	29.f3	gf	29.Bg5	Nc5
30.Bb3	Rdc8	30.Rf3	Ral	30.Rc4	Ne6
31.a4	ba	31.Rfl	Ra3	31.Rc6	bc
32.Ba4	Re7	32.Be5	Ra4	32.Bf6	Bf6
33.Nf3	c5	33.Rf5	Rc4	33.Na3	Bb2
34.Ng5	Rb7	34.h4	Rc5	34.Nc2	Bcl
35.Bcl	Kh8	35.Rh5	Ke8	35.a5	Nc7
36.Rg2	a5	36.g4	Rb5	36.Nd4	c5
37.Kel	c4	37.Bc7	Rh5	37.Nb3	Ba3
38.Rg3	c3	38.gh	Kf7	38.Nd2	Bb4
39.b3	d3	39.Bb8	a6	39.Nc4	Kf8
40.Nf3	Rd8	40.Be5	b5	40.Kfl	Ke7
41.Be3	d2	41.Kfl	a5	41.Ke2	Kd7
42.Nd2	cd	42.Ke2	Nc5	42.Kd3	f6
43.Bd2	Rd3	43.h6	Kg6	43.e4	Kc6
44.Rd3	Bd3	44.Bc3	b4	44.f4	Kb5
45.Ba5	Nf4	45.Bd2	Ne4	45.e5	Ba5
46.Kd2	Bb5	46.Bf4	b3	46.ef	gf
47.Bc3	Nd5	47.Bcl	Ng3	47.Na5	Ka5
48.Bd4	Ba4	48.Kd3	a4	48.Kc4	Kb6
49.ba	Rb4	49.Kc4	Ne2	49.g3	Nb5
50.Kd3	Ra4	50.Bb2	Kh6	50.g4	Nd6
51.Bc5	Kg8	51.Kb4	Kh5	51.Kd5	Kb5
52.Bd4	Nb4	52.Ka4	Kh4	52.g5	f5
53.Kd2	Nc6	53.Kb3		53.h4	Ne8
54.Bc3	Rh4	1/2 - 1/2		54.h5	c4
55.Ke3	Rh6			55.Kd4	Kb4
56.Kf4	Rh4			56.Ke3	c3
57.Kg5	Rc4			57.g6	h6
0-1				0-1	

Turbostar total · 4½ - 4½

$$R_p = R_c + \frac{400(0)}{9}$$

$$R_p = 2018 + 2058$$

$$R_p = 2038$$

GAMES FROM THE SUPER CONSTELLATION VS CONCHESS (4 MHZ) MATCH

The following 10 games have been selected from a 20 game match between the Super Constellation and the new version of Conchess, which is practically identical to the Mephisto Blitz program. The match took place in Europe, and was conducted by an independent tester. All games were played under strict tournament conditions, with the time control set at 40/2.

Conchess won the match by a score of 11 1/2 to 8 1/2 with 5 draws.

Game 1 White:S.Const. Black:Conchess		Game 2 White:Conchess Black:S.Const.		Game 3 White:S.Const. Black:Conchess	
1.e4	c6	1.e4	e5	1.e4	Nf6
2.d4	d5	2.f4	ef	2.e5	Nd5
3.ed	cd	3.Nf3	g5	3.d4	d6
4.c4	Nf6	4.h4	g4	4.Nf3	Bg4
5.Nc3	Nc6	5.Ne5	Nf6	5.Be2	c6
6.cd	Nd5	6.d4	d6	6.O-O	Bf3
7.Nf3	Nc3	7.Nd3	Ne4	7.Bf3	de
8.bc	Qa5	8.Qe2	Bf5	8.de	e6
9.Bd2	e5	9.Nc3	f3	9.c4	Nb6
10.Bc4	Bd6	10.gf	gf	10.Qd8+	Kd8
11.O-O	O-O	11.Qf3	Nc3	11.Rd1+	N8d7
12.Qc2	ed	12.Qf5	Qe7+	12.b3	Kc8
13.cd	Qh5	13.Kf2	Qf6	13.Bb2	Bc5
14.Qe4	Bg4	14.Qf6	Ne4+	14.a4	a5
15.Qd5	Bf3	15.Kg1	Nf6	15.Nd2	Be7
16.Qd6	Rfd8	16.Bg5	Nbd7	16.Ne4	f6
17.Qg3	Nd4	17.Bh3	Be7	17.ef	Bf6
18.Be3	Be4	18.Rf1	Rg8	18.Rab1	Bb2
19.Qf4	Qf5	19.Kh2	h6	19.Rb2	Ne5
20.Rac1	Qf4	20.Bd7+	Nd7	20.Be2	Kc7
21.Bf4	Bd5	21.Be7	Ke7	21.Nc5	Rae8
22.Kh1	Bc4	22.Rhg1	Rg1	22.h3	Rhf8
23.Rc4	b5	23.Rg1	Re8	23.Rbd2	Ng6
24.Rb4	a5	24.Re1+	Kf8	24.b4	ab
25.Rb2	Rac8	25.Re8+	Ke8	25.a5	Na8
26.Rd1	Ne6	26.Kg3	Ke7	26.Rd7+	Kc8
27.Bd2	Nc5	27.a4	f5	27.Rg7	Nf4
28.Rdb1	Nd3	28.Nf4	Kf7	28.Bf1	Rg8
29.h3	Nb2	29.Nd5	c6	29.Rh7	Rh8
30.Rb2	a4	30.Ne3	Kf6	30.Rf7	Ref8
31.a3	Rd3	31.c4	a5	31.R1d7	b3
32.Bb4	f5	32.Nf1	c5	32.Nb7	Rf7
33.Re2	g6	33.d5	Ke5	33.Rf7	b2
34.Re5	Rb8	34.Kf3	Kd4	34.Nd6+	Kd8

Game 1 (Con't.)		Game 2 (Con't.)		Game 3 (Con't.)	
35.Kh2	h5	35.Ke2	f4	35.Rb7	Rg8
36.f4	h4	36.b3	Kc3	36.g3	Nc7
37.Re6	Rg3	37.Nd2	Ne5	37.Rb2	Kd7
38.Re5	Rb3	38.Ne4+	Kb3	38.Ne4	Rg6
39.Re6	Kg7	39.Nd6	Ka4	39.Rd2+	Ke7
40.Rc6	Kf7	40.Nb7	Kb4	40.Nc5	Ke8
41.Rc2	Rd3	41.Kd2	Kc4	41.h4	Rg7
42.Kg1	Rd4	42.Na5+	Kd5	42.Rd6	e5
43.Bd2	Ke6	43.h5	c4	43.Rc6	Kd8
44.Kf1	Rc4	44.Ke2	f3+	44.a6	Rg6
45.Rb2	Kd5	45.Ke3	c3	45.Rg6	Ng6
46.Ke2	Re4+	46.Nb3	c2	46.a7	Nf4
47.Kf3	Kc4	47.Nc1	Kc4	47.gf	Na8
48.Ba5	Rd4	48.Kd2	f2	48.Bg2	Nc7
49.Rc2+	Kb3	49.Ke2	Nd3	49.Ne6+	Ne6
50.Rc3+	Kb2	50.Nd3	f1Q+	50.a8Q+	Ke7
51.Re3	Rc8	51.Kf1	Kd3	51.Qb7+	Kf8
52.Bb4	Rb4	52.Kg2	c1Q	52.Qb8+	Kf7
53.ab	Rc3	53.Kf3	Qg5	53.Bd5	ef
54.Kf2	Re3	54.Kf2	Qg4	54.Qe5	Kf8
	1-0	55.Kf1	Ke3	55.Qe6	Kg7
		56.Ke1	Qe2 mate	56.Qf7+	Kh6
			0-1	57.Be4	f3
				58.Qg6 mate	
					1-0

Game 4
White:Conchess
Black:S.Const.

Game 5
White:S.Const.
Black:Conchess

Game 6
White:S.Const.
Black:Conchess

1.Nc3	c5	1.e4	Nf6	1.e4	c6
2.e4	Nc6	2.e5	Nd5	2.d4	d5
3.g3	g6	3.d4	d6	3.Nc3	de
4.Bg2	Bg7	4.c4	Nb6	4.Ne4	Bf5
5.d3	d6	5.f4	de	5.Ng3	Bg6
6.Nge2	Nf6	6.fe	c5	6.h4	h6
7.O-O	O-O	7.d5	e6	7.Nf3	Nf6
8.Qe1	Nd4	8.Nc3	Qh4+	8.Bd3	Bd3
9.Qd1	Bd7	9.g3	Qd4	9.Qd3	e6
0.Bg5	h6	10.Nf3	Qd1+	10.O-O	Bd6
11.Bf6	Ne2+	11.Kd1	Na6	11.Bd2	Nbd7
12.Ne2	Bf6	12.Be2	Be7	12.Rfe1	O-O
13.Qd2	Bg7	13.Bd2	O-O	13.Ne5	c5
14.c4	b5	14.Rf1	ed	14.Nc4	Bg3
15.cb	Rb8	15.Nd5	Re8	15.Qg3	b5
16.a4	a6	16.h4	Bh3	16.Ne5	Nh5
17.d4	ab	17.Rf2	Rad8	17.Qf3	Ne5
18.a5	cd	18.Nb6	ab		
19.Nd4	Ra8	19.Kc2	Bf5+		
20.Ne2	Bc6				
21.Rfc1	Ra6				

Game 4 (Con't.)		Game 5 (Con't.)		Game 6 (Con't.)	
22.Rc2	Bd7	20.Kc1	Rd7	18.Re5	Nf6
23.Qb4	Kh7	21.Bd1	Nb8	19.Qf4	Qd4
24.Rcc1	Qb8	22.Ba4	Nc6	20.Qd4	cd
25.Nf4	Bc6	23.Bc3	Red8	21.Rb5	Rfb8
26.Nd5	e6	24.Bc2	Bc2	22.Rb8+	Rb8
27.Nb6	Qb7	25.Kc2	Nd4+	23.b3	Rc8
28.Bf1	Be4	26.Nd4	cd	24.Rc1	Ne4
29.Bb5	Bh1	27.Bd2	b5	25.Ba5	Nc3
30.Bf1	Rd8	28.cb	Rc8+	26.Kf1	Na2
31.Ra3	Ra7	29.Kd3	Rd5	27.Rd1	e5
32.Re3	Bc6	30.R1f1	Rb5	28.Rd2	h5
33.a6	Qc7	31.Rf7	Bf6	29.Ke2	Kf8
34.Bb5	Qb6	32.Rd7	Be5	30.Kd3	Rc5
35.Rc6	Qd4	33.Rf5	Rf8	31.b4	Rc8
36.Qa5	Rb8	34.Rg5	h6	32.f4	f6
37.b4	d5	35.Rdg7+	Kh8	33.fe	fe
38.Rd3	Qb2	36.Re5	Re5	34.Ke4	Re8
39.Rb6	Rc8	37.Rb7	Rh5	35.Bc7	Nc3+
40.Rb7	Rb7	38.Kd4	Rd8+	36.Kf5	Nd5
41.ab	Qc1+	39.Kc3	Rc5+	37.Bd6+	Kf7
42.Kg2	Rb8	40.Kb4	Rc6	38.c4	Ne3+
43.Qb6	Kg8	41.Bc3+	Kg8	39.Kg5	Re6
44.h3	Qc2	42.Rg7+	Kf8	40.c5	Rf6
45.Ba6	Qa4	43.Rh7	Rb8+	41.g4	hg
46.Qc7	Qe8	44.Ka5	Rbc8	42.h5	Rf5+
47.f3	Qd8	45.Kb5	Kg8	43.Kh4	g5+
48.Qd8+	Rd8	46.Rg7+	Kf8	44.hg+	Kg6
49.b5	Rb8	47.Rd7	Rc5+	45.Kg3	Rf3+
50.b6	Kf8	48.Kb4	Rc4+	46.Kh2	Nf1+
51.Rb3	Ke7	49.Kb3	R8c6	47.Kg2	Nd2
52.Kf2	Kd6	50.a4	Rg4	48.Be5	d3
53.Ke3	Kc6	51.Be5	Re4	49.Bc3	Ne4
54.g4	Bf6	52.Rd6	Rd6	50.Be1	Re3
55.Kd2	Bd4	53.Bd6+	Ke8	0-1	
56.h4	e5	54.a5	Re1		
57.g5	hg	55.a6	Ra1	Game 7	
58.hg	e4	56.Ba3	Rc1	White:S.Const.	
59.fe	de	57.a7	Rc8	Black:Conchess	
60.Ke2	Bb6	58.g4	Kf7		
61.Rc3+	Bc5	59.Bd6	Ra8	1.e4	c5
62.Rb3	Kc7	60.Bb8	Kg6	2.Nf3	e6
63.Bc4	f5	61.Kc4	Kf7	3.d4	cd
64.gf	Rf8	62.Kd5	Kg6	4.Nd4	Nf6
65.f7	g5	63.Kc6	h5	5.Nc3	Nc6
66.Bd5	e3	64.g5	Kg7	6.Ndb5	Bb4
67.Rb5	Ba7	65.b4	Kf8	7.Bf4	e5
68.Rb4	Kd6	66.b5	Kf7	8.Bg5	O-O

Game 4 (Con't.)		Game 5 (Con't.)		Game 7 (Con't.)	
69.Ra4	Bb8	67.b6	Kg6	9.a3	Be7
70.Ra5	Bc7	68.b7	Ra7	10.Qd2	a6
71.Rb5	Ke7	69.Ba7	Kf7	11.Nd6	Bd6
72.Ke3	g4	70.b8Q	Ke7	12.Qd6	Qb6
73.Ke2	Kd7	71.Qd6+	Kf7	13.Qd2	Qb2
74.Kf1	g3	72.Qf6+	Ke8	14.Ra2	Qb6
75.Kg1	Ke7	73.Qg7	Kd8	15.Bf6	gf
76.Bb3	Kd7	74.Qf8 mate		16.g3	Nd4
77.Rf5	Kc6	1-0		17.Bg2	d6
78.Bd5+	Kd7			18.O-O	Qa5
79.Rf6	Bd6	Game 8		19.Re1	Be6
80.Rf1	Be5	White:Conchess		20.Rb2	Rac8
81.Re1	Kd6	Black:S.Const.		21.Re3	Rc3
82.Bc4	Rb8			22.Rc3	Qc3
83.Kg2	Rh8	1.d4	e6	23.Qc3	Ne2+
84.Rh1	Rb8	2.e4	d5	24.Kf1	Nc3
85.Rf1	Ke7	3.ed	ed	25.Rb7	Nb5
86.Re1	Kd6	4.Bd3	Bd6	26.a4	Nc3
87.Bb5	Bg7	5.Nf3	Nc6	27.Rb6	Na4
88.Ba6	Be5	6.O-O	Nge7	28.Rd6	Ra8
89.Be2	Kd5	7.c4	dc	29.Kel	a5
90.Bg4	Bg7	8.Bc4	O-O	30.Kd2	Kf8
91.Re8	Rb7	9.Nc3	Bg4	31.Ke3	Nb2
92.Bf3+	Kc4	10.Be3	Nf5	32.Rc6	Nc4+
93.Bb7	Kc5	11.Qd3	Nb4	33.Kd3	a4
94.f8Q+		12.Qe4	Ne3	34.Kc3	a3
1-0		13.fe	Bd7	0-1	
		14.a3	Nc6		
Game 9		15.Bd3	g6	Game 10	
White:S.Const.		16.Bc4	Bf5	White:Conchess	
Black:Conchess		17.Qh4	Qh4	Black:S.Const.	
		18.Nh4	Bd7		
1.e4	c5	19.b4	a6	1.d4	Nf6
2.Nf3	d6	20.Ne4	Be7	2.c4	e6
3.d4	cd	21.Nf3	Rad8	3.Nc3	Bb4
4.Nd4	Nf6	22.Rac1	Be8	4.Qc2	c5
5.Nc3	e6	23.Nc3	a5	5.dc	O-O
6.Bc4	e5	24.Nd5	ab	6.Bg5	h6
7.Nf3	Be7	25.Ne7+	Ne7	7.Bf6	Qf6
8.O-O	O-O	26.ab	Nf5	8.Nf3	Bc3+
9.Qe2	Nc6	27.Bb3	c5	9.bc	Na6
10.Bd2	b6	28.Rc5	Ne3	10.e4	Nc5
11.h3	Bb7	29.Re1	Nf5	11.e5	Qe7
12.Rad1	Nd4	30.d5	Nd6	12.Bd3	d6
13.Nd4	ed	31.Nd4	Bd7	13.Bh7+	Kh8
14.Nd5	Nd5	32.Rc7	Rfe8	14.ed	Qf6
15.Bd5	Bd5	33.Re8	Be8	15.Bd3	e5

Game 9 (Con't.)		Game 8 (Con't.)		Game 10 (Con't.)	
16.ed	Re8	34.Nc2	f5	16.O-O	Bg4
17.Rfe1	Bf6	35.Nd4	b5	17.Be4	Rad8
18.Qf3	Qc7	36.Nc6	Rd7	18.Rad1	Rd6
19.Qb3	Rac8	37.Rd7	Bd7	19.Rd6	Qd6
20.Re8+	Re8	38.Kf2	Kg7	20.Bf5	Bf3
21.Qb5	Qc8	39.Ke3	Kf6	21.gf	Rd8
22.Rc1	Re7	40.Kd4	Ne4	22.Re1	f6
23.Bb4	Be5	41.Bc2	Nf2	23.Rb1	Qd2
24.c4	f6	42.h3	g5	24.Qd2	Rd2
25.Bd2	Qf5	43.Kc5	h5	25.a3	g5
26.Qb3	Bh2+	44.Nb8	Bc8	26.a4	Ra2
27.Kh2	Re2	45.Kc6	f4	27.Rb5	b6
28.Rd1	Qf2	46.Kc7	Bf5	28.a5	Ra5
29.Qg3	Rd2	47.Bf5	Kf5	29.Ra5	ba
30.Rd2	Qd2	48.d6	f3	30.Kf1	a4
31.Qd6	h5	49.gf	Nh3	31.Bb1	a3
32.Qe6+	Kf8	50.d7	Nf4	32.Ke2	e4
33.Qe4	d3	51.Kc8	Ne6	33.fe	Ne4
34.d6	Qe2	52.Nc6	Kf4	34.Kd3	Nf2+
35.d7	Qe4	53.Nd4	Nd4	35.Kc2	Ne4
36.d8Q+	Kf7	54.d8Q	Nf3	36.Kb3	Nd2+
37.b3	Qe5+	55.Qd6+	Kg4	37.Ka2	Nc4
38.Kh1	Qe1+	56.Kd7	h4	38.Bd3	Ne5
39.Kh2	d2	57.Kc6	h3	39.Be2	f5
40.Qd5+	Kg6	58.Qd7+	Kg3	40.Ka3	f4
41.Qd3+	Kh6	59.Qc7+	Kg2	41.Ba6	f3
42.b4	d1Q	60.Kb5	Nd4+	42.c4	Kg7
	0-1	61.Kc4	h2	43.c5	f2
		62.Kd4	h1Q	44.h3	h5
		63.Qc6+	Kg1	45.Bf1	g4
		64.Qh1+	Kh1	46.Ka4	g3
		65.Ke3	Kh2	47.c6	Nc6
		66.b5	Kg3	48.Kb3	Nd4+
		67.b6	Kg4	49.Kc4	Nf3
		68.b7	Kf5	50.Kd3	a5
		69.Kf3		51.Ke2	a4
			1-0	52.Kf3	a3
				53.Kg3	a2
				54.Kf2	a1Q
				55.Kg2	Qe1
				56.Kg1	Kf6
				57.Kg2	Kg5
				58.Kg1	Kf4
				59.Kh2	Qg3+
				60.Kh1	Kf3
				61.h4	Kf2
				62.Be2	Qh4 mate