

**Stockholm Micro -81
Computer Chess Tournament
Stockholm, Sweden**

November 23-29, 1981

	rate	perf	1	2	3	4	5	6	7	8	total
1 Champion Sensory Challenger	1000	1137	0	1	1	0	1	1	1	1	5
2 Princhess B (Conchess)	1000	1088	1		1	0	1	0	½	1	4½
3 Chess Champion MK V	1000	1088	0	0		1	1	1	½	1	4½
4 Philidor	1000	1088	0	1	0		½	1	1	1	4½
5 Mephisto ESB	1000	1044	1	0	0	½		½	1	1	4
6 Rook 5.0	1000	910	0	1	0	0	½		1	0	2½
7 Savant	1000	862	0	½	½	0	0			1	2
8 Cyrus	1000	744	0	0	0	0	0	1	0		1

Round 1

Mephisto ESB — Chess Champion MK V 1 e4 c5 2 Nc3 d6 3 g3 Nf6 4 b3 e5 5 Bb2 Nc6 6 Bb5 Be7 7 Nf3 O-O 8 Bxc6 bxc6 9 O-O a6 10 Ng5 Bg4 11 f3 Bd7 12 f4 Bg4 13 Qc1 h6 14 fxe5 Nd7 15 e6 fxe6 16 h3 Rxf1+ 17 Kxf1 Bxg5 18 hxg4 Qf6+ 19 Ke2 Rf8 20 Qf1 Qd4 21 Qe1 Bxd2 22 Nd1 Bxe1 23 Bxd4 Bxg3 24 Be3 Nf6 25 Kf3 Be5 26 Rc1 Nd5+ 27 Ke2 Nxe3 28 Nxe3 Rf4 29 Kd3 Bd4 30 Rd1 Rf3 31 Re1 Rg3 32 c4 a5 33 a4 Bxe3 34 Rxe3 Rxg4 35 Kc3 d5 36 exd5 exd5 37 Re6 Rg3+ 38 Kb2 Rg2+ 39 Ka3 Rg3 40 Kb2 Rg2+ 41 Ka3 Rc2 42 Rxc6 dxc4 43 Rxc5 cxb3 44 Rxa5 b2 45 Rb5 Kf7 46 Rxb2 Rxb2 47 Kxb2 Ke6 48 a5 Kd5 49 Kb3 Kc5 50 a6 Kb6 51 a7 Kxa7 52 Kc3 Kb6 53 Kd4 Kc6 54 Ke5 Kd7 55 Kf5 Ke7 56 Kg6 0-1

Savant — Rook 5.0 1 d4 Nf6 2 c4 e6 3 Nf3 b6 4 g3 Ba6 5 Nbd2 d5 6 cxd5 Qxd5 7 Bg2 Nc6 8 O-O Qb5 9 Ne5 Nxd4 10 Nxf7 Nxe2+ 11 Kh1 Kxf7 12 Bxa8 Nxc1 13 Qxc1 Bc5 14 Bg2 Qd7 15 Nf3 Qd6 16 Rd1 Qf8 17 Ne5+ Kg8 18 Qf4 Bd6 19 Racl Bb5 20 Qg5 Ne8 21 Ng4 h5 22 Qxb5 hxg4 23 Qd7 Qf7 24 Qc8 Rh5 25 Bc6 Kf8 26 Bxe8 Qxe8 27 Qxe8+ Kxe8 28 Rc4 Be5 29 Re1 Bxb2 30 Rxe6+ Kd7 31 Re2 Be5 32 Rxg4 c5 33 Kg2 b5 34 Rh4 Rxh4 35 gxh4 Kd6 36 Rd2+ Ke6 37 Rc2 Kd5 38 Rd2+ Bd4 39 Kf3 c4 40 h5 c3 41 Rd1 b4 42 Ke2 Kc4 43 Rg1 Kd5 44 h3 Kc4 45 Rg4 a5 46 Re4 a4 47 f4 b3 48 axb3+ axb3 49 Kd1 Kd3 50 Rxd4+ Kxd4 51 f5 Kd3 52 Kc1 c2 53 Kb2 Kd2 54 f6 c1Q+ 55 Kxb3 Qc3+ 56 Ka4 Qxf6 57 Kb5 Qh4 58 h6 gxh6 59 Kc5 Qxh3 60 Kd5 Qf5+ 61 Kc6 h5 62 Kb6 h4 63 Kc7 h3 64 Kd6 h2 65 Kc7 Qf6 66 Kd7 h1Q 67 Kc7 Qh7+ 68 Kc8 Qfh8# 0-1

Philidor — Princhess B (Conchess) 1 e4 e5 2 Nf3 Nc6 3 Bc4 d6 4 O-O Nf6 5 Nc3 Be7 6 d4 Bg4 7 Be3 Bxf3 8 gxf3 O-O 9 d5 Na5 10 Bd3 b6 11 Qd2 Qd7 12 b4 Nb7 13 Bb5 Qh3 14 Qe2 Rab8 15 Racl a5 16 a3 axb4 17 axb4 Ra8 18 Ra1 Rxa1 19 Rxa1 Rb8 20 Qc4 Bd8 21 Qf1 Qh5 22 Qg2 Be7 23 h3 Qg6 24 Qxg6 fxg6 25 Ra7 Kh8 26 Ba6 Nd8 27 Rxc7 Bf8 28 Na4 Ne8 29 Ra7 b5 30 Nc3 Kg8

31 Bg5 Nf7 32 h4 Nxg5 33 hxg5 Kh8 34 Kh2 Kg8 35 Kg3 Rd8 36 f4 Kh8 37 Kg4 Rb8 38 f5 gxf5+ 39 Kxf5 Rd8 40 g6 Nf6 41 gxh7 Kxh7 42 Bxb5 Rc8 43 Bc6 Ne8 44 f4 exf4 45 Kg4 Nf6+ 46 Kxf4 Kg6 47 b5 Kh5 48 Kg3 g5 49 Rf7 Kg6 50 Ra7 Bg7 51 Kf3 Rf8 52 Ke3 Ng4+ 53 Kd2 Ne5 54 Ne2 Nc4+ 55 Ke1 Be5 56 Bd7 Ne3 57 Rc7 Ng2+ 58 Kd1 Rf1+ 59 Kd2 Rb1 60 Bh3 Nf4 61 Bf5+ Kf6 62 Bd7 g4 63 Bxg4 Rxb5 64 Ke3 Nxe2 65 Kxe2 Rb1 66 Bf5 Kg5 67 Kf3 Re1 68 c4 Bd4 69 Rd7 Re3+ 70 Kg2 Be5 71 Kf1 Rc3 72 Rc7 Bd4 73 Rc8 Bc5 74 Kg2 Rxc4 75 Rg8+ Kf4 76 Kh3 Bd4 77 Kh4 Be5 78 Rg1 Rc2 79 Kh3 Kf3 80 Rf1+ Ke2 81 Rb1 Kd3 82 Kh4 Rh2+ 83 Kg5 Rg2+ 84 Kh5 Rh2+ 85 Kg6 Rg2+ 86 Kh5 Rh2+ 87 Kg6 Rg2+ 88 Kf7 Rg7+ 89 Ke8 Rc7 90 Rd1+ Kc2 91 Bg4 Kb3 92 Bd7 Bg7 93 Rg1 Be5 94 Re1 Bd4 95 Ke7 Be5 96 Rb1+ Kc2 97 Rf1 Kd3 98 Kd8 Rb7 99 Bf5 Bf6+ 100 Kc8 Rb3 1-0

Champion Sensory Challenger — Cyrus 1 d4 d5 2 c4 dxc4 3 Nf3 Nf6 4 e3 e6 5 Bxc4 c5 6 O-O a6 7 Qe2 b5 8 Bb3 Nc6 9 Rd1 c4 10 Bc2 Bb4 11 Bd2 Qd6 12 Nc3 O-O 13 Ne4 Nxe4 14 Bxe4 Bxd2 15 Qxd2 Bd7 16 Ng5 h6 17 d5 exd5 18 Bxd5 Be6 19 Nxe6 fxe6 20 Bxc4 Qe5 21 Bd3 Rad8 22 Racl Ne7 23 Qc3 Rd5 24 Qxe5 Rxe5 25 e4 Rf7 26 Kf1 Kh8 27 Rc7 Rh5 28 h3 Rh4 29 f3 Rhf4 30 Bc2 Ng6 31 Rc6 a5 32 Rxe6 R4f6 33 Re8+ Kh7 34 e5 Rc6 35 Be4 Rc4 36 Bd5 Re7 37 Rxe7 Nxe7 38 Bxc4 bxc4 39 f4 a4 40 Rd7 Ng6 41 Rd4 1-0

Round 2

Mephisto ESB — Savant 1 d4 d5 2 c4 c6 3 Nf3 Nf6 4 Nc3 e6 5 e3 Nbd7 6 Bd3 Be7 7 b3 O-O 8 O-O b6 9 Bb2 Bb7 10 a4 Re8 11 cxd5 cxd5 12 Rc1 a6 13 Qe2 Bd6 14 Kh1 Kh8 15 Ng5 Qe7 16 f4 h6 17 Nf3 Ng4 18 Ne5 Ngxe5 19 fxe5 Bb8 20 Rc2 f6 21 exf6 Nxf6 22 Rcc1 Rf8 23 e4 Qb4 24 e5 Nd7 25 Rxf8+ Nxf8 26 Qf2 Ba7 27 Qf7 Bc6 28 Qc7 Qxd4 29 Qxc6 Rd8 30 Qc7 Ra8 31 Qb7 Re8 32 Bxa6 b5 33 axb5 Qe3 34 Qf7 Rd8 35 Qe7 1-0

Rook 5.0 — Philidor 1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nxc6 bxc6 6 Nc3 e5 7 Bc4 d6 8 Be3 Be7 9 Qd3 O-O 10 Rd1 a6 11 Bg5 Qb6 12

Bxf6 Bxf6 13 Qxd6 Qxb2 14 Rd3 Qxc2 15 Qxc6 Bg4 16 O-O a5 17 Rg3 Rfc8 18 Bxf7+ Kxf7 19 Qb7+ Kf8 20 Qd5 h5 21 f3 h4 22 Qd6+ Kf7 23 Rxc4 Qxc3 24 Qd7+ Kf8 25 Qd6+ Be7 26 Qd5 Qd4+ 27 Qxd4 exd4 28 Rf4+ Kg8 29 e5 g5 30 Re4 a4 31 Rd1 Rc4 32 e6 Rc2 33 f4 gxf4 34 Rxf4 Ra6 35 Rg4+ Kh7 36 Re4 Rxa2 37 Rdx4 Ra1+ 38 Kf2 Ra2+ 0-1

Princess B (Conchess) — Champion Sensory Challenger 1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Bd3 Bg4 7 f3 e5 8 fxg4 exd4 9 Nd5 Nxd5 10 exd5 Qa5+ 11 Bd2 Qxd5 12 Qe2+ Qe5 13 O-O Qxe2 14 Bxe2 Be7 15 Bf3 Nc6 16 Rae1 Ra7 17 g5 O-O 18 Bd5 Ne5 19 Re4 b6 20 Rxd4 Rc7 21 c4 Rcc8 22 Re4 Rce8 23 Rd4 Rb8 24 Re4 b5 25 c5 Rbc8 26 c6 Bd8 27 Rc1 Nd3 28 Rb1 Bb6+ 29 Kf1 Rce8 30 Bc3 Be3 31 Ke2 Nf4+ 32 Kxe3 Nxd5+ 33 Kd4 Rxe4+ 34 Kxe4 Nxc3+ 35 bxc3 Re8+ 36 Kd5 Re2 37 c7 Re8 38 Kxd6 Kf8 39 c4 h6 40 Kd7 Re7+ 41 Kc6 Re6+ 42 Kb7 Re7 43 cxb5 axb5 44 Kb8 Rxc7 45 Kxc7 hxg5 46 Rxb5 1-0

Chess Champion MK V — Cyrus 1 e4 c5 2 b3 Nc6 3 Bb2 d6 4 Be2 e5 5 Nc3 Nf6 6 Nf3 Be7 7 O-O O-O 8 Qe1 Be6 9 Bc4 Bxc4 10 bxc4 Qc8 11 Nd5 Nxd5 12 cxd5 Nb4 13 Qb1 Qg4 14 c3 Na6 15 d4 Bf6 16 dxe5 Bxe5 17 Nxe5 dxe5 18 f4 exf4 19 Bc1 f3 20 Rxf3 b6 21 Qd3 Nc7 22 Bf4 Rac8 23 Raf1 Rfe8 24 d6 Rcd8 25 Rg3 Qe6 26 c4 Na6 27 Qc3 g6 28 Bh6 f6 29 Rxf6 Qd7 30 e5 Nb4 31 e6 Qb7 32 Rf7 Qxf7 33 exf7+ Kxf7 34 a3 Na6 35 Qg7+ Ke6 36 Re3+ Kxd6 37 Qf6+ Kd7 38 Qf7+ Kc6 39 Rxe8 Rd1+ 40 Kf2 Rd7 41 Qf3+ Kc7 42 Bf4+ Rd6 43 Re7+ Kd8 44 Bxd6 Nc7 45 Rxc7 h5 46 Qa8# 1-0

Round 3

Philidor — Mephisto ESB 1 e4 c5 2 b3 Nf6 3 e5 Nd5 4 d4 cxd4 5 Qxd4 e6 6 Be2 Nc6 7 Qb2 Bc5 8 Nf3 Qa5+ 9 Bd2 Qb6 10 O-O Nd4 11 Bd1 Nxf3+ 12 Bxf3 Bd4 13 c3 Bxe5 14 Bxd5 exd5 15 Be3 Qe6 16 f4 Bf6 17 Re1 O-O 18 Qf2 Qa6 19 Rd1 Qa5 20 Bc5 d6 21 Bb4 Qb5 22 Qf1 Qc6 23 Qf3 a5 24 Ba3 Qb6+ 25 Kh1 d4 26 cxd4 Bxd4 27 Nd2 Bxa1 28 Nc4 Qc6 29 Qxc6 bxc6 30 Rxa1 Be6 31 Bxd6 Rfe8 32 Nb6 Ra6 33 Bc5 Bf5 34 Rc1 h6 35 Rd1 Re4 36 g3 Re2 37 Rd8+ Kh7 38 Nd7 Rxa2 39 Nf8+ Kh8 40 Ne6+ Kh7 41 Nf8+ Kg8 42 Ng6+ Kh7 ½-½

Savant — Chess Champion MK V 1 d4 Nf6 2 c4 c5 3 d5 e6 4 Nc3 exd5 5 cxd5 d6 6 Nf3 g6 7 e4 Bg4 8 Bb5+ Nbd7 9 h3 Bxf3 10 Qxf3 a6 11 Bxd7+ Nxd7 12 O-O Bg7 13 a4 O-O 14 Bf4 Qb6 15 Qe2 Rab8 16 a5 Qc7 17 Rfe1 Bd4 18 Be3 Ne5 19 Ra4 Bxe3 20 Qxe3 b5 21 axb6 Qxb6 22 f4 Nd7 23 f5 Qxb2 24 Rxa6 Rb3 25 Rc1 Re8 26 fxg6 fxg6 27 Raa1 Ne5 28 Rab1 Qa3 29 Rxb3 Qxb3 30 Rf1 Qc4 31 Rb1 Rf8 32 Qd2 Qd4+ 33 Qxd4 cxd4 34 Nb5 Rb8 35 Kf2 Nd3+ 36 Ke2 Nc5 37 Kf3 g5 38 g3 Rf8+ 39 Kg4 Nxe4 40 Nxd4 Nf2+ 41 Kxc5 Nxb3+ 42 Kh5 Nf2 43 Re1 Rf6 44 Re7 Rg6 45 Nf5 Ng4 46 Kh4 Nf6 47 Ne3 Kf8 48 Re6 Nd7 49 Rxc6 hxg6 50 Kg5 Kf7 51 Ng4 Kg7 52 Kf4 Kf7 53 Ke3 Ke4 54 Ke4 Ne5+ 55 Ke3 g5 56 Kd4 Nb3+ 57 Ke4 Nd2+ 58 Ke3 Nf1+ 59 Kf2 Nd2 60 Ke2 Nc4 61 Ne3 Ne5 62 Nf5+ Kd7 63 Ke3 Ng4+ 64 Kd4 Nf6 65 Ng7 Ke7 66 Ne6 g4 67 Ng5 Nd7 68 Ke4 Nf6+

69 Kf5 Nxd5 70 Kxc4 Nc3 71 Kf4 Nd5+ ½-½

Champion Sensory Challenger — Rook 5.0 1 d4 Nf6 2 c4 e6 3 Nc3 Bb4 4 e3 Bxc3+ 5 bxc3 Nc6 6 Bd3 O-O 7 Ba3 Re8 8 Nf3 d5 9 O-O Qd7 10 Rb1 Rd8 11 cxd5 Qxd5 12 c4 Qa5 13 Qc1 Qh5 14 Rb5 Qh6 15 Qb1 b6 16 Rg5 Ba6 17 d5 exd5 18 cxd5 Nb8 19 Bxa6 Nxa6 20 Qd3 Nb8 21 Rc1 c5 22 Rc4 Qxc5 23 Nxc5 Rxd5 24 Qe2 Rxc5 25 Qf3 Rd5 26 Rf4 Nbd7 27 Rf5 Rxf5 28 Qxa8+ Nf8 29 Qxa7 Rd5 30 Kf1 N8d7 31 Bb2 Rd2 32 Bxf6 gxf6 33 Ke1 Rd3 34 Qa8+ Kg7 35 Qc6 Ne5 36 Qxb6 Ra3 37 Qb1 c4 38 Kf1 c3 39 h3 Ra5 40 Qb3 Rc5 41 Qc2 h6 42 a4 Nc6 43 Ke1 f5 44 f3 Kf6 45 Qd1 Ke6 46 Qb3+ Ke7 47 Qb7+ Kf6 48 Qd7 Kg7 49 Qd6 Ne5 50 Ke2 Ra5 51 Qc7 Rd5 52 Qxc3 f6 53 a5 Rd6 54 Qc2 Kg6 55 g4 Nd3 56 a6 fxg4 57 hxg4 Rd8 58 Qxd3+ Rxd3 59 Kxd3 f5 60 a7 fxg4 61 a8Q gxf3 62 Qxf3 1-0

Cyrus — Princess B (Conchess) 1 e4 e5 2 Nf3 Nc6 3 Bb5 Nd4 4 Nxd4 exd4 5 O-O Bc5 6 Qh5 Qe7 7 d3 Nf6 8 Qg5 O-O 9 e5 Nd5 10 Bc4 Nb6 11 Bd2 d5 12 exd6 Qxc5 13 Bxc5 Bxd6 14 Nd2 h6 15 Bh4 Bd7 16 Bg3 Nxc4 17 Nxc4 Bxc3 18 fxg3 Be6 19 Rf4 Rad8 20 a4 Rd5 21 a5 Rfd8 22 Ra2 a6 23 Ra1 Rb5 24 b3 Rg5 25 Raf1 Rb5 26 R4f3 f6 27 Ra1 Kf7 28 Rf2 g6 29 Raf1 Kg7 30 Kh1 f5 31 Ra1 Bxc4 32 bxc4 Re5 33 Rff1 Re2 34 Rfb1 Rb8 35 Rb2 Kf6 36 Rab1 h5 37 c5 c6 38 c4 Re5 39 Rf1 Rxc5 40 Ra1 Re5 41 Rb4 Re3 42 c5 Rxd3 43 Rab1 Rc3 44 Rxd4 Rxc5 45 Rd6+ Kg5 46 h4+ Kh6 47 Kh2 Rb5 48 Rxb5 axb5 49 a6 bxa6 50 Rxc6 a5 51 Kh3 b4 52 Rc2 b3 53 Rb2 a4 54 Rb1 a3 55 g4 hxg4+ 56 Kg3 b2 57 h5 a2 58 Rxb2 Rxb2 59 hxg6 Kxc6 0-1

Round 4

Mephisto ESB — Champion Sensory Challenger 1 d4 d5 2 c4 e6 3 Nf3 Nf6 4 Bg5 Be7 5 cxd5 exd5 6 Bxf6 Bxf6 7 e3 Nc6 8 Bd3 Bg4 9 Nc3 O-O 10 Qb3 Bxf3 11 gxf3 Ne7 12 Qxb7 Rb8 13 Qxa7 Rxb2 14 O-O Qb8 15 Qc5 c6 16 Rab1 Bh4 17 a4 Qb3 18 a5 Rb8 19 a6 Rb4 20 a7 Bxf2+ 21 Rxf2 Rxb1+ 22 Bxb1 Qxb1+ 23 Nxb1 1-0

Savant — Philidor 1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Be2 e5 7 Nb3 Nc6 8 O-O b5 9 Bg5 Be7 10 f4 O-O 11 f5 b4 12 Bxf6 Bxf6 13 Nd5 Bd7 14 c3 Bg5 15 cxb4 Nxb4 16 Nxb4 Qb6+ 17 Kh1 Qxb4 18 Qd5 Rfc8 19 Bh5 Bc6 20 Qxf7+ Kh8 21 Rad1 Bxe4 22 a3 Qb6 23 Rde1 Rf8 24 Qc4 Bxf5 25 Bf7 Rfc8 26 Qd5 Bc2 27 Na5 Qxb2 28 Qxd6 Qb5 29 Nc4 Rd8 30 Qe6 Bd3 31 Rf3 Qxc4 32 Qxc4 Bxc4 33 Bxc4 Bf6 34 Rd3 Rxd3 35 Bxd3 a5 36 Rc1 Be7 37 a4 Rf8 38 h3 Rd8 39 Rc7 e4 40 Bc2 Bf6 41 Rc5 e3 42 Rh5 e2 43 Rxb7+ Kg8 44 Bb3+ Kxb7 0-1

Rook 5.0 — Cyrus 1 e4 e6 2 d4 d5 3 Nc3 Bb4 4 exd5 Bxc3+ 5 bxc3 exd5 6 Bf4 Nc6 7 Rb1 Nf6 8 Qe2+ Qe7 9 Qxe7+ Nxe7 10 Bxc7 Ne4 11 Bb5+ Nc6 12 Ne2 O-O 13 Bxc6 bxc6 14 f3 Nf6 15 Be5 Bf5 16 Bxf6 gxf6 17 Rc1 Rfe8 18 g4 Bc8 19 Rg1 Ba6 20 Rg2 Re3 21 g5 Rae8 22 gxf6+ Kf8 23 f4 Rxe2+ 24 Rxe2 Rxe2+ 25 Kd1 Rxb2 26 Ke1 Re2+ 27 Kd1 Rf2 28 a3 Rxf4 29 a4 Rxf6 30 Kd2 Rf2+ 31 Ke3 Re2+ 32 Kf3 Rh2 33 Kg3 Re2 34 Kf3 h5 35 Kf4 Kg7 36 Kg5 Re3 37 Kxb5 Rxc3 38 a5 Ra3 39 Kg5 Rxa5 40 Rg1 Bc8 41 Rg3 c5 42 Kf4+ Kf6 43

dxc5 Rxc5 44 Rc3 Rc4t 45 Rxc4 dxc4 46 Ke4 Bf5t
47 Kd4 Bxc2 48 Kxc4 a5 49 Kc3 Bf5 50 Kb3 Bd7
51 Kc4 a4 52 Kb4 Ke5 53 Ka3 f5 54 Kb4 f4 55
Kc4 f3 0-1

Chess Champion MK V — Princess B (Conchess) 1 e4 e5 2 Nf3 Nc6 3 Bc4 d6 4 d4 Bg4 5
O-O Nxd4 6 Be3 Nxf3t 7 gxf3 Bh3 8 Qd5 Qf6 9
Bb5t Ke7 10 Qxf7t Kxf7 11 Bc4t Ke7 12 Rd1
Qg6t 13 Bg5t Qxg5t 14 Kh1 Qg2# 0-1

Round 5

Cyrus — Mephisto ESB 1 e4 e5 2 Nf3 Nc6 3 Bb5
a6 4 Ba4 Nf6 5 O-O Be7 6 Re1 b5 7 Bb3 d6 8 c3
O-O 9 h3 Na5 10 d3 Nxb3 11 axb3 Be6 12 Be3
h6 13 c4 c5 14 Nc3 b4 15 Nd5 Nxd5 16 cxd5 Bd7
17 Qc2 f5 18 Bd2 fxe4 19 dxe4 Bxh3 20 Nxe5 Bh4
21 Nf3 Bg4 22 Nxb4 Qxh4 23 f3 Bd7 24 Rec1 Bb5
25 Be3 Rae8 26 Qd2 Qg3 27 Bf2 Qg6 28 Kh2 Re5
29 Qe1 Rh5t 30 Bh4 Qf6 31 Kh3 g5 32 e5 Qf5t
33 Kh2 Re8 34 g4 Qxe5t 35 Qxe5 Rxb4t 36 Kg1
Rxe5 37 Kg2 Re2t 38 Kg3 Reh2 39 Ra2 R4h3#
0-1

Champion Sensory Challenger — Savant 1 e4
c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 d6 6
Nxc6 bxc6 7 Bc4 Qb6 8 O-O e5 9 Rb1 Bg4 10 Be2
Bxe2 11 Qxe2 O-O-O 12 Rd1 h5 13 Bg5 Be7 14
Qc4 Rhf8 15 Bxf6 Bxf6 16 Nd5 Qb5 17 Qxb5 cxb5
18 Rd3 Kb7 19 Nxf6 gxf6 20 Rbd1 Kc7 21 Rf3
Rg8 22 Rxf6 Rd7 23 Rh6 Rg5 24 f3 f5 25 h4 Rg3
26 exf5 Rdg7 27 Rd2 Rxf3 28 Rxb5 Rf4 29 Rf2
Ra4 30 f6 Rf7 31 a3 Kd7 32 g3 Ke6 33 Rh6 b4 34
axb4 Rxb4 35 c3 Rb5 36 g4 a5 37 g5 a4 38 g6
Rxf6 39 g7 Kf7 40 Rg6 Kg8 41 Rxf6 Rb8 42 Rxd6
a3 43 bxa3 Rb1t 44 Kf2 Rb8 45 Rde6 Rc8 46 Rxe5
Ra8 47 c4 1-0

Philidor — Chess Champion MK V 1 e4 e5 2
Nf3 Nc6 3 c3 d5 4 Qa4 Qd6 5 Bb5 Nf6 6 d4 Bd7
7 dxe5 Nxe5 8 Nxe5 Qxe5 9 Nd2 Bd6 10 Bxd7t
Nxd7 11 Qb5 O-O-O 12 Qxd5 Qxd5 13 exd5 a6
14 O-O Nf6 15 c4 Rhe8 16 a4 Re2 17 Nf3 Bc5 18
Ng5 h6 19 Nxf7 Rd7 20 Nh8 Ng4 21 Ng6 Rf7 22
Nf4 Bxf2t 23 Kh1 Bd4 24 h3 Nf2t 25 Kh2 Rc2 26
Rg1 Be5 27 Re1 Rxc1 28 Raxc1 Bxf4t 29 Kg1 Nd3
30 Re8t Kd7 31 Rd1 Nxb2 32 Rde1 Nxc4 33 R8e4
Nb6 34 d6 Bxd6 35 g4 Rf3 36 a5 Nd5 37 Kg2
Rg3t 38 Kh2 Rvg4t 39 Kh1 Rxe4 40 Rxe4 Bb4 41
Rd4 Ke6 42 Rc4 Bxa5 43 h4 Bc3 44 Kh2 Be5t 45
Kh3 h5 46 Ra4 c5 47 Ra3 c4 48 Ra4 c3 49 Rc4 Kf5
50 Rc8 Ne3 51 Rf8t Ke4 52 Rf7 g5 53 hxg5 c2 54
Kh4 c1Q 55 Kxb5 b5 56 Rb7 Qc5 57 Rh7 Bf6 58
Re7t Bxe7 0-1

Princess B (Conchess) — Rook 5.0 1 e4 e5 2
Nf3 Nc6 3 d4 exd4 4 Nxd4 Bc5 5 Be3 Bxd4 6
Bxd4 Nf6 7 Nc3 Qe7 8 Bxf6 Qxf6 9 Bc4 O-O 10
O-O Ne5 11 Bb3 Qg6 12 Nd5 Qd6 13 Qh5 Re8
14 Rad1 Qc6 15 Rd4 Qd6 16 Rfd1 c5 17 Ra4 b5
18 Nc3 Qc6 19 Bd5 Qb6 20 Bxa8 bxa4 21 Nxa4
Qb4 22 b3 d5 23 Bxd5 Qa3 24 c4 Qxa2 25 Nxc5
Qa5 26 Nd7 Bxd7 27 Bxf7t Kf8 28 Bxe8 Bg4 29
Qxh7 Bxd1 30 Qh8t Ke7 31 b4 Qa1 32 h3 g6 33
Qg7t Kxe8 34 Qg8t Ke7 35 Kh2 Qd4 36 Qh7t
Nf7 37 Qxg6 Qxc4 38 Qg3 Qxe4 39 Qc7t Kf6 40
Qxa7 Qe5t 41 g3 Nd6 42 Qb8 Kf5 43 Qf8t Ke4
44 Qa8t Kf5 45 Qf8t Kg6 46 Qf4 Qxf4 47 gxf4
Kf5 48 Kg3 Ke4 49 f5 Nxf5t 50 Kg2 Kd5 51 b5

Kc5 52 b6 Kxb6 53 f4 Kc5 54 Kf2 Kd4 55 Ke1 Bf3
56 Kf2 Ke4 57 Kf1 Kxf4 58 Ke1 Bg2 59 h4 Nxb4
60 Kd2 Ke4 0-1

Round 6

Mephisto ESB — Princess B (Conchess) 1 d4
d5 2 c4 e6 3 Nc3 c5 4 cxd5 exd5 5 Nf3 Nc6 6 Bg5
Be7 7 Bxe7 Ngxe7 8 dxc5 d4 9 Ne4 O-O 10 e3
dxe3 11 fxe3 Nf5 12 Qb3 Qa5t 13 Nfd2 Qb4 14
Kf2 Be6 15 Bc4 Qxb3 16 axb3 Bxc4 17 Nxc4 Rfe8
18 Ned6 Nxd6 19 cxd6 b5 20 Na5 Ne5 21 Kg1
Rac8 22 b4 Rc2 23 b3 Rd2 24 Nb7 Ng4 25 h3
Nxe3 26 Rh2 Nc2 27 Rf1 Rb8 28 Nc5 Rxd6 29 Rf4
Rd1t 30 Kf2 Rc8 31 Ke2 Rd5 32 Nd3 Re8t 33
Kd2 Ne1 34 Kc3 Rxd3t 35 Kb2 Re2t 36 Ka3
Rdd2 0-1

Savant — Cyrus 1 e4 e5 2 Nf3 Nc6 3 Bb5 a6 4
Ba4 Nf6 5 O-O Be7 6 Re1 b5 7 Bb3 d6 8 c3 O-O
9 h3 d5 10 exd5 Nxd5 11 Nxe5 Nxe5 12 Rxe5 Be6
13 d4 Bf6 14 Re4 Bf5 15 Re1 Qd7 16 Bd2 Rfe8 17
Qf3 Rxe1t 18 Bxe1 Re8 19 Na3 Be4 20 Qg3 c5 21
dxc5 Be5 22 Qg4 Qxg4 23 hxg4 Nf4 24 f3 Bd5 25
Bd5 Nxd5 26 Rd1 Ne3 27 Rd3 Nc4 28 Nxc4 bxc4
29 Rd5 Bc7 30 Bd2 Rb8 31 Rd7 Rb7 32 Bf4 Rxb2
33 Bxc7 f6 34 a4 Ra2 35 a5 Rc2 36 Rd6 Kf7 37
Rxa6 Rc1t 38 Kh2 Rc2 39 Ra7 Ke6 40 Bd8 Rxc3
41 Rvg7 Rd3 42 Re7t Kd5 43 Bb6 h6 44 Rd7t
Ke6 45 Rd8 Rxd8 46 Bxd8 c3 47 Bc7 Kd5 48 a6 c2
49 a7 c1Q 50 a8Qt Kxc5 51 Qc8 Kb5 52 Qd7t
Ka6 53 Qa4t Kb7 54 Bf4 Qc5 55 Bxh6 Qc7t 56
Qf4 Qe7 57 Qe4t Qxe4 58 fxe4 Kc6 59 Bg7 Kd6
60 Bxf6 Ke6 61 g5 Kf7 62 e5 Kf8 63 e6 Ke8 64 g6
Kf8 65 g7t Kg8 66 Be5 Kh7 67 e7 Kg6 68 e8Qt
Kf5 69 Bd4 Kf4 70 g8Q Kf5 71 Qe5# 1-0

Philidor — Champion Sensory Challenger 1 e4
c5 2 b3 d6 3 d4 Bd7 4 Be2 cxd4 5 Qxd4 Nc6 6
Qc4 e6 7 Bb2 Qg5 8 Qb5 Qxg2 9 Bf3 Nd4 10
Bxd4 Qxg1t 11 Rvg1 Bxb5 12 Bxg7 Bxg7 13 Rvg7
Nf6 14 c4 Bc6 15 Nc3 Kf8 16 Rg1 Rg8 17 Rvg8t
Kxg8 18 O-O-O Rd8 19 Kb2 Kh8 20 a4 h5 21 b4
Kh7 22 b5 Bd7 23 Rxd6 Ng4 24 h4 Ne5 25 Be2 f5
26 exf5 exf5 27 Nd5 Kg7 28 Nf6 Nf7 29 Rxd7
Kxf6 30 Rxd8 Nxd8 31 Bxh5 Ne6 32 Kb3 Nc5t 33
Kb4 Nd3t 34 Ka5 Nxf2 35 b6 axb6t 36 Kb5 Ne4
37 Bf3 Nd6t 38 Kb4 f4 39 Bd5 Kf5 40 h5 Kg5 41
Kc3 Kxb5 42 Kd4 Kg5 43 Ke5 Nf5 44 Bxb7 Ne3
45 Kd4 Nf5t 46 Kd3 Kh4 47 Be4 Nd6 48 Kd4
Kg3 49 Bd3 f3 50 Kd5 Nb7 51 Ke5 Nc5 0-1

Chess Champion MK V — Rook 5.0 1 e4 e5 2
d4 exd4 3 Qxd4 Nc6 4 Qe3 Nf6 5 Bd2 Be7 6 Nc3
d5 7 Qg3 dxe4 8 Qxg7 Rg8 9 Qh6 Nb4 10
O-O-O Bg4 11 f3 exf3 12 Nxf3 Bxf3 13 gxf3 Rg6
14 Qh4 Nfd5 15 Qxh7 Qd6 16 Qh8t Bf8 17 Bc4
Re6 18 Nxd5 Nxd5 19 Bg5 Re5 20 f4 Rf5 21
Rhe1t Kd7 22 Qh3 c6 23 Qxf5t Kc7 24 Qxf7t
Qd7 25 Bxd5 cxd5 26 Qxd7t Kxd7 27 Rxd5t Kc7
28 Be7 Re8 29 Rc5t Kd7 30 Rd5t Kc7 31 Rc5t
Kd7 32 Rb5 Rxe7 33 Rxb7t Kd6 34 Rxe7 Bxe7 35
Rxa7 Ke6 36 c4 Bd6 37 Ra6 Ke7 38 Ra7t Kf6 39
Ra6 Ke7 40 Ra7t Kf6 41 Ra6 Ke7 42 f5 Bxh2 43
Kc2 Bd6 44 f6t Kd7 45 a3 Bc5 46 Kd3 Ke8 47 b4
Bf2 48 c5 Bh4 49 c6 Bg3 50 Ra7 Bb8 51 Ra8 Kd8
52 b5 Kc7 53 f7 Kb6 54 Rxb8t Kc7 55 Ke4 Kxb8
56 b6 Kc8 57 f8Q# 1-0

Round 7

Rook 5.0 — Mephisto ESB 1 e4 e6 2 d4 d5 3 Nc3 Bb4 4 exd5 Qxd5 5 Bf4 Qa5 6 Nge2 Nf6 7 Qd3 Nd5 8 Qg3 Nxf4 9 Qxf4 O-O 10 O-O-O Nc6 11 Qe4 Be7 12 Nf4 f5 13 Qe3 Nd8 14 Bb5 Qb6 15 Rhe1 Bg5 16 g3 Rf6 17 Rd3 a6 18 Ba4 a5 19 Bb5 c6 20 Bc4 Qb4 21 Bb3 Bxf4 22 Qxf4 Bd7 23 Qc7 Rf7 24 Qe5 b5 25 Rde3 Qe7 26 a4 b4 27 Nd1 Qg5 28 R1e2 Qf6 29 Bc4 Qxe5 30 Rxe5 f4 31 R2e4 f3 32 Kd2 Rf6 33 c3 Rh6 34 Re3 bxc3† 35 Nxc3 R×h2 36 Rxf3 Rb8 37 b3 Ra8 38 Kd3 Rh1 39 Ref5 Rb8 40 Rxa5 c5 41 Rxc5 Rc1 42 Re5 Nf7 43 Re4 Nd6 44 Re5 Nf7 45 Re4 Nd6 46 Re5 Nf7 ¼-¼

Princess B (Conchess) — Savant 1 e4 e5 2 Nf3 Nc6 3 d4 exd4 4 Nxd4 Nf6 5 Nc3 Bb4 6 Nxc6 bxc6 7 Bd2 O-O 8 Bd3 Qe7 9 Qe2 Re8 10 f3 d5 11 O-O-O Bxc3 12 Bxc3 dxe4 13 Bxf6 Qxf6 14 Bxe4 Rb8 15 b3 Qa1† 16 Kd2 Qf6 17 B×h7† Kf8 18 Be4 Qb2 19 Qd3 Bb7 20 Rb1 Qa3 21 Qc4 Ba6 22 Qxc6 Qa5† 23 Kc1 Bb7 24 Qa4 Qc5 25 Bxb7 Rxb7 26 Qg4 Qa3† 27 Rb2 Rb6 28 Qa4 Qxa4 29 bxa4 Ra6 30 Rb4 c5 31 Rg4 Rae6 32 Rd1 f5 33 Rc4 Re5 34 Kb2 Rb8† 35 Kc3 g5 36 Rd7 a6 37 Rc7 Re3† 38 Kd2 Rbe8 39 R4xc5 Re2† 40 Kd3 R×g2 41 Rxf5† Kg8 42 Rc6 Rd8† 43 Kc3 Kg7 44 Rxa6 Rh8 45 Raa5 Kg6 46 Rfe5 Rh×h2 47 Kb4 Rh3 48 Rf5 g4 49 Rg5† Kf6 50 R×g4 Rxc2 51 Rf4† Ke6 52 Re4† Kd6 53 Rd4† Ke7 54 Re4† Kd6 55 Kb3 Rhh2 56 a3 Rb2† 57 Kc4 Rhc2† 58 Kd3 Ra2 59 Rd4† Ke6 60 Re4† Kd6 61 Rd4† Ke6 62 Ra6† Kf7 63 Rf4† Ke7 64 Re4† Kd7 65 Rd4† Kc7 66 Ra7† Kc6 67 Rb4 Rd2† 68 Ke3 Re2† 69 Kd3 Red2† 70 Kc3 Rdc2† 71 Kd3 Rd2† ¼-¼

Cyrus — Philidor 1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 e5 6 Nxc6 bxc6 7 Bc4 d6 8 Be3 Be7 9 Qd3 O-O 10 O-O-O Ng4 11 Kb1 a5 12 h3 Nxe3 13 Qxe3 Rb8 14 Bb3 Be6 15 Bxe6 fxe6 16 b3 Rb7 17 Rhe1 Bh4 18 Re2 Bg5 19 Qd3 Rff7 20 f3 Bf4 21 Qc4 Qd7 22 Na4 Rb4 23 Qa6 Qc7 24 Nc3 Rb6 25 Qc4 d5 26 Qc5 d4 27 Na4 Rb4 28 c3 Rb5 29 Qa3 Qd8 30 cxd4 exd4 31 Rc2 Qd7 32 Rc4 Be3 33 Qb2 e5 34 Qc2 Rf6 35 Rc5 Qe6 36 Rxb5 cxb5 37 Nb2 Qb6 38 Nd3 Rc6 39 Qb2 Qc7 40 a3 Rc3 41 b4 a4 42 Nc5 Qf7 43 Qxc3 dxc3 44 Rd8† Qf8 45 Rxf8† Kxf8 46 Kc2 Ke7 47 Kxc3 Kd6 48 Nd3 g5 49 g4 Bd4† 50 Kc2 h6 51 Nc1 Bf2 52 Nd3 Be3 53 Nc1 Ba7 54 Na2 Kc6 55 Kd3 Bf2 56 Ke2 Bd4 57 Nc1 Bg1 58 Nd3 Kd6 59 Nf2 Kc6 60 Kf1 Bh2 61 Kg2 Bf4 62 Nd3 Kd6 63 Kf2 Bd2 64 Ke2 Bf4 65 Kf2 Ke6 66 Ke2 Kf6 67 Kf2 Bd2 68 Nc5 Bc1 69 Nd3 Bxa3 70 Kg2 Bb2 71 Kg3 a3 72 Nc5 a2 73 Nb3 a1Q 74 Nxa1 Bxa1 75 h4 Bc3 76 h5 Bb2 0-1

Champion Sensory Challenger — Chess Champion MK V 1 e4 e5 2 Nf3 Nc6 3 Bb5 Nf6 4 O-O Nxe4 5 d4 Nd6 6 Bxc6 dxc6 7 dxe5 Nf5 8 Qxd8† Kxd8 9 Rd1† Bd7 10 Ng5 Nh6 11 Be3 a5 12 Nc3 Ke8 13 Nge4 Be7 14 B×h6 g×h6 15 Rd3 Rg8 16 Rad1 Bf5 17 Kf1 Rg4 18 f3 Rh4 19 Kg1 Rd8 20 Rxd8† Bxd8 21 g3 Rh3 22 Kg2 Bc8 23 g4 B×g4 24 f×g4 Re3 25 Kf2 Rh3 26 Kg1 Rh4 27 Nf2 h5 28 g×h5 R×h5 29 Nd3 f6 30 e6 Be7 31 Rd2 Rh4 32 Rf2 b5 33 Kg2 Bd6 34 h3 Ke7 35 Re2 b4 36 Na4 f5 37 Nac5 h5 38 Nd7 Re4 39 Rxe4 fxe4 40 N3c5 e3 41 Kf3 Bxc5 42 Nxc5 e2 43 Kxe2 Kd6 44 Kd3 h4 45 Kc4 Ke7 46 Kb3 Kd8 47 Ka4 Ke8 48 Kxa5 b3 49 cxb3 Kd8 50 Ka6 1-0

Analysis of ACM's Twelfth North American Computer Chess ChampionshipAnnotated by Mike Valvo

We are indeed fortunate to be able to publish, on the following pages, a unique document: an in-depth analysis of the Twelfth North American Computer Chess Championship written by the Tournament Director, International Master Mike Valvo, using computer printouts from Awit, Belle, Cray Blitz, Duchess, and Nuchess. In the annotated games, comments from the computer printouts are in italics, and the following abbreviations are used:

- d = Depth of search in ply
(Note: "d=6-" means that only the first move of the 6th ply was searched, not all moves)
- t = Min:Sec computer time
- v = Value in pawns. Positive is for White. Negative is for Black.
- pv = Predicted prime variation.

I want to thank Mike Valvo, and Ken Thompson who helped put the analyses together, for this fascinating second look at a major computer chess championship.

B. Mittman, Editor