

## WELCOME AND OVERVIEW

1982 marks the thirteenth consecutive year that the ACM has hosted this major computer chess event. This tournament has served as a testing ground for chess programs, a place where new techniques are tried, exchanged, sometimes adopted by others, and sometimes dropped. Games have served as a time during which opposing sides typically trade ideas. Late evening and early morning snacks by participants replace the normal eating schedule. And from year to year, as a result in part of the exchange of ideas that takes place here, the programs have gradually improved. This year is no exception. While no program is yet at the grandmaster level, BELLE and CRAY BLITZ are playing very near, if not at Master level. And NUCHESS, though not having played in enough human competition to establish a recent rating, is not far behind - if behind at all. The whole field will be stronger this year and we expect to see the strongest chess ever played at a computer chess tournament.

BELLE, current world champion among computers, is likely to be the winner for the third consecutive year, but both CRAY BLITZ and NUCHESS could upset the champion. And the microcomputers are back, hotter than ever, and several should do very well. The big machines will no longer bully the small ones!

Five entrants are from outside the U.S., two from the United Kingdom, one from Canada, one from Germany, and one from the Netherlands. Only last year's tournament had a higher percentage of non-U.S. entries. This reflects the increasing sophistication of computer technology around the world and particularly in Western Europe.

Mike Valvo will serve as Tournament Director and emcee for the second year in a row. Valvo is an International Master and one of the best blindfold chess players in the world. I'm sure you'll find his observations informative and entertaining.

Next year at the ACM's Annual Conference in New York, the ACM will not hold the 14th North American Computer Chess Championship but instead will host the 4th World Computer Chess Championship. We expect a super tournament with the best programs from around the world participating.

We wish to extend our thanks to IBM and Amdahl Corporation for their generous grants in support of this event, to Texas Instruments for providing us terminals, and to the members of the Dallas Chess Club for their help at the tournament site.

Lastly, we want to express our thanks in advance to all the participants for their contributions to this tournament. We hope you have an enjoyable and rewarding few days.

Monroe Newborn

ACM Computer Chess Committee Chairman  
October 3, 1982

IMPORTANT TIMES, PLACES, AND NAMES

## Schedule:

Round 1: 1:00 p.m. Sunday, October 24, 1982  
Round 2: 7:30 p.m. Sunday, October 24, 1982  
Round 3: 7:30 p.m. Monday, October 25, 1982  
Round 4: 7:30 p.m. Tuesday, October 26, 1982

Location: The tournament will take place in the Ballroom Assembly of the Dallas Hilton Hotel.

Admission: Free to all.

ACM Computer Chess Committee Luncheon: 12:00 noon Monday, October 25, 1982  
in Room 449. Non-committee members are welcome to attend.

Awards Ceremony Luncheon: 12:00 noon Wednesday, October 27, 1982

Tournament Director: Mike Valvo, International Master.

## Tournament Organizing Committee:

Mike Rossi, Texas Instruments  
Robert Hyatt, University of Southern Mississippi  
Ben Mittman, Northwestern University  
Monroe Newborn, McGill University  
Ken Thompson, Bell Labs

## Selection Committee:

Ben Mittman  
Monroe Newborn  
Ken Thompson

## SCORECARD

## THIRTEENTH ACM NORTH AMERICAN

## COMPUTER CHESS CHAMPIONSHIP

TEAM	Round 1	Round 2	Round 3	Round 4	Total Points	Final Place
ADVANCE 2.4						
BEBE						
BELLE						
CHAOS						
CHATURANGA 2.0						
CRAY BLITZ						
FIDELITY EXPERIMENTAL						
NUCHESS						
OSTRICH						
PHILIDOR						
PION						
SAVANT ROYALE						
SCHACH 2.6						
SFINKS EXPERIMENTAL						

PARTICIPANTS IN THE ACM'S THIRTEENTH  
NORTH AMERICAN COMPUTER CHESS CHAMPIONSHIP

ADVANCE 2.4 Dave Wilson, Mike Johnson, 1 Alexandra Court,  
Alexandra Park Road, London N22 4BQ, England.

BEBE Tony Scherzer, 2117 Stonington, Hoffman Estates,  
Illinois 60195.

BELLE Ken Thompson, Joe Condon (c/o K.T., BTL, Room 2C423,  
Murray Hill, New Jersey 07974).

CHAOS Mike Alexander, Fred Swartz, Jack O'Keefe, Mark Hersey,  
(c/o F.S., Univ. of Michigan Computing Center, 1075 Beal  
Ave., Ann Arbor, Mich., 48109).

CHATURANGA 2.0 John Poduska, 5 Partridge Lane, Winchester, Mass. 01890.

CRAY BLITZ Robert Hyatt, Albert Gower, Harry Nelson,  
(c/o Hyatt, Southern Station Box 5106, Hattiesburg, Miss.  
39401).

FIDELITY EXPERIMENTAL Dan Spracklen, Kathe Spracklen, (chess advisor: Boris  
Baczynskyj) c/o K. Spracklen, Fidelity Electronics,  
21540 Kearny Villa Rd., ST 104, San Diego, Calif. 92123.

NUCHESS David Slate, William Blanchard, (c/o Slate, Vogelback  
Computer Center, Northwestern University, Evanston,  
Illinois 60201).

OSTRICH Monroe Newborn, School of Computer Science, McGill  
University, Montreal, Quebec, Canada H3A 2K6

PHILIDOR David Broughton, David Levy, Kevin O'Connell, Mark Taylor,  
Mike Johnson, c/o Levy, 104 Hamilton Terrace, London,  
NW8, England

PION J. Derkson, J. Huisman, H.J. van den Herik, H.J.J. Nefkeos,  
S.T. Dekker, c/o van den Herik, Delft University of  
Technology, Dept. of Computer Science, Julianalaan 132,  
Room 2.126, 2628 BL Delft, The Netherlands

SAVANT ROYALE David Kittinger, 15144 Kittridge Street, Van Nuys,  
California 91411

SCHACH 2.6 Matthias Engelbach, Zeppelinstr. 7, 7475 Mepstetten,  
Bindeswehrhochschule, Neubiburg, West Germany

SFINKS EXPERIMENTAL William Fink, Suite 24-B, 1105 N. Main Street, Gainesville,  
Florida 32601

## PROGRAM INFORMATION

<u>Program</u>	<u>Authors</u>	<u>Computing System (Location)</u>	<u>Language</u>	<u>Program Size</u> <u>(Program, Data)</u>	<u>Book Size</u>	<u>Nodes/Sec.</u>
ADVANCE 2.4	Wilson Johnson	2900 <del>6502-based system</del>	Assembly	30 K, 4 K	5,000 pos.	5 K
BEBE	Scherzer	CHESSE ENGINE (at site)	Assembly	12 K, 16 K	400 moves	20 K
BELLE	Thompson Condon	DEC LSI-11/23 with special purpose hardware (Bell Labs., Murray Hill)	C	90 Kb, 5 Kb	350,000 pos.	100-150 K
CHAOS	Alexander Swartz O'Keefe Hersey	Amdahl 470 v/8 (Amdahl Corp., Sunnyside, California)	FORTTRAN	700 Kb, 3 Megb.	10,000 pos.	0.85 K
CHATURANGA 2.0	Poduska	Apollo (at site)	FORTTRAN and Motorola 68000 assembly	20 K, 4 K	1000 moves	.2 K
CRAY BLITZ	Hyatt Gower Nelson	CRAY-I (Cray Research, Mendota Heights, MN)	FORTTRAN IV	200 K 12Mb	30,000 pos.	8-20 K
FIDELITY EXPERIMENTAL	Spracklen Spracklen Baczynskyj	6502-based system (at site)	Assembly	20 K, 8 K	16,000 pos.	1 K
NUCHESS	Slate Blanchard	CDC Cyber 175 (Minneapolis, Minnesota)	FORTTRAN	100 K, 400 K	5,700 pos.	1.8 K

<u>Program</u>	<u>Authors</u>	<u>Computing System (Location)</u>	<u>Language</u>	<u>Program Size (Program, Data)</u>	<u>Book Size</u>	<u>Nodes/Sec.</u>
OSTRICH	Newborn	8-Nova Multiprocessing System (McGill University, Montreal)	Assembly	10 K, 12 K/ machine	1000 pos.	.6 K
PHILIDOR	Broughton Levy O'Connell Taylor Johnson	Osborne 1 (at site)	Z-80 Assembly	32 K, 16 K	4,000 moves	.4 K
PION	Derksen Huisman van den Herik Nefkens Dekker	PDD 11/70 (Purdue University)	C	100 K, 10 K	2,000	1-2 K
SAVANT ROYALE	Kittinger	Savant Royale (at site)	Z-80 Assembly	32 K, 2 K	9,000 pos.	.08 K
SCHACH 2.6	Engelbach	Burroughs B 7800 (Burroughs Corp., Padi, Pennsylvania)	Algol	60 Kb, 1.8 Megb.	8,000 pos.	.7-1.3 K
SFINKS EXPERIMENTAL	Fink	TRS-80 Microcomputer (at site)	Z-80 Assembly	20 K, 4 K	256 moves	.1 K

## HISTORY OF THE ACM TOURNAMENTS

<u>Year</u>	<u>City</u>	<u>Winning Program</u>	<u>Runner-up</u>
1970	New York	CHESS 3.0;Slate, Atkin, Gorlen, CDC 6400	The Daly Chess Program; Daly, King
1971	Chicago	CHESS 3.5;Slate, Atkin, Gorlen, CDC 6400	TECH;Gillogly, PDP 10
1972	Boston	CHESS 3.6;Slate, Atkin, Gorlen, CDC 6400	OSTRICH; Arnold, Newborn, D.G. Supernova
1973	Atlanta	CHESS 4.0;Slate, Atkin, Gorlen, CDC 6400	TECH II;Baisley, PDP 10
1974	San Diego	RIBBIT;Hansen, Crook Parry, Honeywell 6050	CHESS 4.0;Slate, Atkin, CDC 6400
1975	Minneapolis	CHESS 4.4;Slate, Atkin, CDC CYBER 175	TREEFROG;Hansen, Calnek, Crook, Honeywell 6080
1976	Houston	CHESS 4.5;Slate, Atkin, CDC CYBER 176	CHAOS;Swartz, Ruben Winograd, Berman, Toikka, Alexander, Amdahl 470
1977	Seattle	CHESS 4.6;Slate, Atkin, CDC CYBER 176	DUCHESS;Truscott, Wright Jensen, IBM 370/168
1978	Washington	BELLE;Thompson, Condon, PDP 11/70 with special purpose hardware	CHESS 4.7;Slate, Atkin, CDC CYBER 176
1979	Detroit	CHESS 4.9;Slate, Atkin, Cahlander, CDC CYBER 176	BELLE;Thompson, Condon PDP 11/70 with special purpose hardware
1980	Nashville	BELLE;Thompson, Condon, PDP 11/70 with special purpose hardware	CHAOS;Alexander, O'Keefe, Swartz, Berman Amdahl 470
1981	Los Angeles	BELLE;Thompson, Condon, PDP 11/23 with special purpose hardware	NUCHESS;Blanchard, Slate; CDC CYBER 176

## SPEED CHESS TOURNAMENTS

For the first time in 1980, a speed chess tournament was held along with the regular championship. CRAY BLITZ (Hyatt, Darling, Gower, Robb) was the winning program and BELLE (Thompson, Condon) was second. In 1981, a second speed chess tournament was held but because of the size and format of the tournament, only a few teams were able to complete their games. BEBE (Scherzer) won that event.

**ACM's Twelfth  
North American  
Computer Chess Championship  
Los Angeles, California**

*November 8-10, 1981*

	rate	perf	1	2	3	4	total
1 Belle	2200	2306	7+□	8+■	2=□	3+■	3½
2 Nuchess	0	2119	10+■	4+□	1=■	5=□	3
3 Cray Blitz	0	2174	6+■	5+□	11+■	1-□	3
4 Bebe	1800	1871	12+□	2-■	14+□	7+■	3
5 Duchess	1900	1998	15+□	3-■	9+□	2=■	2½
6 Philidor	0	1923	3-□	15+■	8+□	9=■	2½
7 Ostrich	0	1611	1-■	16+□	12+■	4-□	2
8 L'Excentrique	0	1825	16+■	1-□	6-■	11+□	2
9 Chess Challenger X	0	1768	14+■	11=□	5-■	6=□	2
10 Mychess	0	1497	2-□	12-■	15+□	14+■	2
11 Chaos	1800	1680	13+□	9=■	3-□	8-■	1½
12 Cube 2.1	0	1425	4-■	10+□	7-□	13=■	1½
13 Schach 2.5	0	1245	11-■	14-□	16+■	12=□	1½
14 Chaturanga	0	1319	9-□	13+■	4-■	10-□	1
15 Awit	1400	1296	5-■	6-□	10-■	16+□	1
16 Prodigy	1000	871	8-□	7-■	13-□	15-■	0

**Round 1**

**Belle — Ostrich** 1 e4 d5 2 exd5 Nf6 3 d4 Nxd5 4 c4 Nb5 5 Nf3 Bg4 6 Be2 c6 7 Na3 e6 8 c5 Nd5 9 Bg5 f6 10 Bd2 Qe7 11 Nc4 Qd7 12 Nh4 Bf5 13 Nxf5 exf5 14 O-O Be7 15 Bd3 O-O 16 Ne3 Nxe3 17 fxe3 g6 18 Bc4t Kh8 19 b4 b5 20 Bb3 a6 21 a4 Qb7 22 Bc3 Bd8 23 Be6 Qe7 24 d5 bxa4 25 Re1 cxd5 26 Bxd5 Ra7 27 Rxa4 Qe8 28 Bc4 h5 29 Qa1 Qc6 30 b5 Qc8 31 bxa6 Qc6 32 Rd1 Be7 33 Bd5 Machine failure. 1-0

**Philidor — Cray Blitz** 1 e4 e5 2 Nf3 Nc6 3 Bc4 Bc5 4 O-O Nf6 5 d4 exd4 6 c3 dxc3 7 e5 cxb2 8 Bxb2 Ng4 9 Bxf7t Kxf7 10 Qd5t Kg6 11 Qxc5 d6 12 Qb5 Nxe5 13 Bxe5 Nxe5 14 Nxe5t dxe5 15 Qxe5 c6 16 Qe4t Bf5 17 Qe5 Re8 18 Qg3t Qg5 19 Qd6t Re6 20 Qa3 Rd8 21 f3 Bd3 22 f4 Qf6 23 f5t Bxf5 24 Qg3t Qg5 25 Qf2 Qe3 26 h3 Qxf2t 27 Kxf2 Bd3 28 Rc1 Re2t 29 Kg1 Be4 30 g4 Rg2t 31 Kf1 Rh2 32 Nc3 Rf8t, 33 Ke1 Bd3 34 Nd5 Re2t 35 Kd1 Rf1# 0-1

**Chaos — Schach 2.5** 1 d4 d5 2 c4 e6 3 Nc3 Nf6 4 Bg5 Be7 5 e3 O-O 6 Nf3 h6 7 Bh4 b6 8 cxd5 Nxd5 9 Bxe7 Qxe7 10 Nxd5 exd5 11 Bd3 Be6 12 Qc2 Qb4t 13 Qc3 Qxc3t 14 bxc3 Nd7 15 Rb1 Rae8 16 O-O c5 17 dxc5 Nxc5 18 Bb5 Bd7 19 Bxd7 Nxd7 20 Rb5 Nf6 21 Rfb1 Re4 22 Nd4 Rc8 23 R5b3 Kf8 24 Nb5 Ra4 25 R1b2 Ke7 26 f3 Rcc4 27 Nd4 Nd7 28 Nf5t Kf6 29 Nd6 Rc6 30 Nb5 Nc5 31 Nd4 Rc7 32 Rb5 Nd3 33 Rc2 Re7 34 Re2 Re5 35 f4 Rh5 36 g4 Rh4 37 Rg2 Nc5 38 Nf5 Rh3 39 Rd2 h5 40 Rxd5 hxg4 41 Rb2 Ne4 42 Nd4 Rxe3 43 Rf5t Kg6 44 Re5 Kf6 45 Rf5t Ke7 46 Re5t Kf8 47 f5 Time. 1-0

**Mychess — Nuchess** 1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 d6 6 Bg5 e6 7 Be2 Be7 8 Ndb5 O-O 9 O-O a6 10 Bxf6 gxf6 11 Nd4 Kh8 12 Nxc6 bxc6 13 Qd2 Bd7 14 Rad1 Qa5 15 b3 d5 16 exd5 Bb4 17 Qe3 Bxc3 18 dxe6 Bxe6 19 Rd3 Bb2 20 Bf3 Bf5 21 Rd6 Rae8 22 Qd2 Qxd2 23 Rxd2 Bc3 24 Rd6 Re6 25 Rdd1 Rfe8 26 Rc1 Rd6 27 g4 Rg8 28 h3 h5 29 Be2 hxg4 30 hxg4 Bxg4 31 Bxg4 Rxg4t 32 Kh2 f5 33 f3 Rh6# 0-1

**Duchess — Awit** 1 e4 c5 2 d4 cxd4 3 c3 dxc3 4 Nxc3 Nc6 5 Nf3 d6 6 Bc4 e6 7 O-O Nf6 8 Qe2 Be7 9 Rd1 O-O 10 e5 Ne8 11 exd6 Nxd6 12 Bf4 Nb4 13 a3 Nc6 14 Bxd6 Bxd6 15 Ne4 Bxh2t 16 Nxb2 Qe7 17 Qh5 Bd7 18 Rac1 Rad8 19 Nd6 Be8 20 Nxe8 Rxd1t 21 Rxd1 Rxe8 22 Nf3 Qc7 23 Qh4 h6 24 Qh2 Qxh2t 25 Kxh2 Rd8 26 Rxd8t Nxd8 27 Kg3 g5 28 Nd4 h5 29 Kf3 Kf8 30 Ke4 g4 31 Kf4 Kg7 32 Kg5 a6 33 Kxh5 b5 34 Bb3 e5 35 Nf5t Kf6 36 Kxg4 Nb7 37 Ng3 Nc5 38 Bc2 Ke7 39 Kf5 Nd7 40 b4 Kd8 41 Ne4 Ke7 42 g4 Ke8 43 Nf6t Ke7 44 Nxd7 Kxd7 45 Kxe5 Ke7 46 Be4 Ke8 47 Kf6 Kf8 48 Bb7 1-0

**Prodigy — L'Excentrique** 1 d4 f5 2 Bg5 g6 3 e3 h6 4 Bh4 Nf6 5 Nf3 g5 6 Bg3 e6 7 Nbd2 Ne4 8 Be5 Rh7 9 Nxe4 fxe4 10 Nd2 Rf7 11 Nxe4 Nc6 12 f3 d5 13 Ng3 Bd7 14 Bh8 Rh7 15 Be5 Nxe5 16 dxe5 Qe7 17 Bd3 Rh8 18 Bg6t Kd8 19 Qd4 c5 20 Qc3 Qg7 21 Bh5 a5 22 O-O-O b5 23 f4 b4 24 Qd3 gxf4 25 exf4 c4 26 Qd4 a4 27 Qb6t Kc8 28 c3 b3 29 a3 Be7 30 Rd2 Qf8 31 Qf2 Bc5 32 Qf3 Bc6 33 f5 exf5 34 Nxf5 Kc7 35 Nd4 Qxf3 36 gxf3 Be8 37 Bg4 Kb7 38 Kd1 h5 39 Be6 Rd8 40 h4 Rf8 41 Nf5 Bc6 42 Re1 Kc7 43 Ree2 Rde8 44 Ng7 Re7



45 Rg2 d4 46 Rge2 R×g7 47 Kc1 d×c3 48 Rd1 B×f3  
49 B×c4 B×e2 50 B×b3 0-1

**Bebe — Cube 2.1** 1 e4 c5 2 Nf3 Nf6 3 Nc3 Nc6 4  
Bb5 Nd4 5 Ba4 Qa5 6 e5 Ng8 7 O-O g6 8 Rb1  
Bg7 9 Re1 b5 10 N×d4 b×a4 11 Ndb5 Rb8 12 Re4  
R×b5 13 R×a4 Qb6 14 N×b5 Q×b5 15 c4 Qb6 16  
Qe2 Nh6 17 d3 Bb7 18 B×h6 B×h6 19 Ra3 Bf4 20  
Rb3 Qc7 21 Re1 Qc6 22 Qe4 Q×e4 23 R×e4 B×h2†  
24 K×h2 Bc8 25 Rb5 O-O 26 R×c5 1-0

**Chaturanga — Chess Challenger X 1** e4 e5 2  
Nf3 Nc6 3 Bb5 a6 4 Ba4 Nf6 5 O-O Be7 6 Nc3  
b5 7 Bb3 d6 8 Rb1 Bg4 9 g3 Nd4 10 Bd5 B×f3 11  
Bc6† Kf8 12 Qe1 N×c2 13 B×a8 N×e1 14 Bb7 Qd7  
15 R×e1 Qh3 16 Nd5 Qg2# 0-1

### Round 2

**L'Excentrique — Belle 1** e4 e5 2 Nf3 Nc6 3 Bb5  
a6 4 Ba4 Nf6 5 O-O N×e4 6 Qe2 Nc5 7 B×c6  
d×c6 8 d4 Ne6 9 d×e5 Nd4 10 N×d4 Q×d4 11 h3  
Be7 12 c3 Qb6 13 Rd1 Be6 14 b† a5 15 Be3 Qa6  
16 Q×a6 R×a6 17 Bc5 a×b4 18 B×e7 K×e7 19 c×b4  
R×a2 20 R×a2 B×a2 21 Nc3 Bb3 22 Rd2 Rf8 23 g4  
f6 24 e×f6† R×f6 25 Rb2 Bc4 26 Kg2 Bd5† 27  
N×d5† c×d5 28 Rd2 Kd6 29 f3 Rf4 30 Rb2 Rc4 31  
h4 d4 32 Rb3 Kc6 33 b5† Kb6 34 Kg3 Rc5 35 Rd3  
Rd5 36 h5 K×b5 37 Rb3† Ka6 38 Ra3† Ra5 39  
Rd3 c5 40 f4 Ra1 41 g5 Kb5 42 f5 Rh1 43 f6 g×f6  
44 g×f6 Rg1† 45 Kf4 Rg8 46 Kf5 Kc4 47 Rd1 Rf8  
48 Ke6 Kc3 49 f7 Kc2 50 Ra1 d3 51 Ke7 R×f7† 52  
K×f7 d2 53 Kg7 c4 54 Ra2† Kd3 55 Ra8 d1(Q) 56  
h6 c3 Adjudicated. 0-1

**Cray Blitz — Duchess 1** e4 e5 2 Nf3 Nc6 3 Bc4  
Bc5 4 c3 Nf6 5 d4 e×d4 6 c×d4 Bb4† 7 Bd2 B×d2†  
8 N×d2 d5 9 e×d5 N×d5 10 Qb3 Nce7 11 O-O  
O-O 12 Rfe1 c6 13 Rac1 a5 14 Ne4 a4 15 Qa3  
Nf5 16 h3 Nb6 17 Qc5 N×c4 18 R×c4 Be6 19 Rb4  
Qc7 20 g4 Nh6 21 Nd6 Rfb8 22 Nc4 Ra6 23 Qd6  
Q×d6 24 N×d6 b5 25 a3 Raa8 26 Ng5 Bd5 27 f4  
Rf8 28 f5 Rfd8 29 Nb7 Re8 30 R×e8† R×e8 31  
Nd6 Re7 32 Nc8 Re1† 33 Kf2 Re8 34 Nb6 Bb3 35  
Nf3 Re7 36 Ne5 Rb7 37 N×a4 B×a4 38 b3 Rc7 39  
b×a4 f6 40 Nd3 b×a4 41 Nf4 Adjudicated. 1-0

**Chess Challenger X — Chaos 1** e4 Nf6 2 e5 Nd5  
3 d4 d6 4 Nf3 d×e5 5 N×e5 g6 6 g3 Bg7 7 Bc4 f6  
8 Nf3 Nc6 9 O-O Bh3 10 Re1 Bg4 11 Bb5 O-O  
12 B×c6 b×c6 13 Bd2 Qb8 14 b3 f5 15 c3 f4 16  
g×f4 N×f4 17 B×f4 R×f4 18 Re3 Qb5 19 Nbd2 Raf8  
20 h3 B×h3 21 Ne5 Be6 22 c4 Qb6 23 c5 Qb5 24  
a4 Qb7 25 Ndf3 B×e5 26 N×e5 Bd5 27 Ra2 Qb4  
28 Rd3 e6 29 f3 g5 30 Rh2 a6 31 Rh5 Rf5 32  
Rh3 a5 33 Rh5 Kg7 34 Kh2 h6 35 Kg1 Rf8 36  
Rh2 Kh7 37 Qb1 Kg7 38 Qd1 Kh7 39 Qb1 Kg7  
40 Qd1 ½-½

**Nuchess — Bebe 1** f4 d5 2 Nf3 Nf6 3 e3 e6 4 b3  
Bd6 5 Be2 O-O 6 O-O Nc6 7 Bb2 a6 8 Ne5 B×e5  
9 f×e5 Nd7 10 Ba3 Re8 11 d4 Qg5 12 Qd3 b5 13  
Nd2 b4 14 Bb2 a5 15 c4 a4 16 Rac1 Ba6 17 e4 a3  
18 Ba1 Nb6 19 e×d5 e×d5 20 Rcd1 d×c4 21 N×c4  
N×c4 22 b×c4 Na5 23 Rc1 c6 24 Qf3 Re7 25 Qe4  
Rae8 26 Bd3 Qh6 27 Qe1 Rb7 28 Rb1 B×c4 29  
B×c4 N×c4 30 R×b4 R×b4 31 Q×b4 Ne3 32 Rf3  
Ng4 33 h3 Qc1† 34 Rf1 Qe3† 35 Kh1 Nf2† 36  
Kh2 Ne4 37 Rf3 Qc1 38 Bc3 Ng5 39 Rf5 Ne6 40  
Qb3 Rd8 41 Rf3 Ng5 42 Rf2 Qe3 43 Rf5 Ne6 44

Qb7 Rf8 45 Rf3 Qc1 46 Bb4 c5 47 d×c5 Qb2 48  
Re3 N×c5 49 Qb5 Ne6 50 R×a3 Rc8 51 Rc3 Ra8 52  
Qc6 Rd8 53 Be7 Rb8 54 Rc2 Qb1 55 Qc8† Nf8 56  
Qc4 Ne6 57 Bd6 Rd8 58 a4 Qb6 59 Be7 Re8 60  
Qc8 Qb8 61 Q×b8 R×b8 62 a5 Nd4 63 Rc4 Nf5 64  
Bb4 Ne3 65 Rc6 h5 66 a6 Ra8 67 Bc5 Nc4 68 a7  
Kh7 Adjudicated. 1-0

**Ostrich — Prodigy 1** e4 e6 2 d4 d5 3 e5 c5 4 Nf3  
Nc6 5 Bb5 c×d4 6 O-O Bc5 7 B×c6† b×c6 8 a3 Ba6  
9 Re1 Qa5 10 Nbd2 d3 11 c×d3 Qb6 12 d4 B×d4  
13 N×d4 Q×d4 14 g3 O-O-O 15 Qc2 Bb7 16 Nf3  
Qg4 17 Ng5 f6 18 Nf7 Ne7 19 Qc5 Nf5 20 N×h8  
R×h8 21 e×f6 Nd4 22 f×g7 Nf3† 23 Kh1 Rd8 24  
g8(Q) R×g8 25 Rg1 N×g1 26 K×g1 a6 27 Be3 e5 28  
Bd2 Qd4 29 Qe7 Q×b2 30 Qe6† Kb8 31 Q×g8†  
Bc8 32 Rd1 Qc2 33 Ra1 Q×d2 34 Q×h7 Qc3 35  
Rb1† Ka8 36 Qc7 Qe1† 37 R×e1 Bf5 38 R×e5 d4  
39 Re8† Bc8 40 R×c8# 1-0

**Awit — Philidor 1** b3 e5 2 Bb2 Nc6 3 e3 Nf6 4  
Bb5 d6 5 Ne2 Bg4 6 O-O Be7 7 h3 Bh5 8 f4 B×e2  
9 Q×e2 e4 10 d3 O-O 11 d×e4 N×e4 12 Re1 Bf6  
13 B×f6 Q×f6 14 Na3 Nc3 15 Qf3 d5 16 Bd3 Nb4  
17 g4 N×a2 18 g5 Qe7 19 Nb5 N×b5 20 B×b5  
Nb4 21 Rec1 a6 22 c3 a×b5 23 c×b4 c6 24 R×a8  
R×a8 25 Qf2 Re8 26 Rc3 Q×b4 27 Qd2 Qe4 28  
Rd3 Qf3 29 Qg2 Q×g2† 30 K×g2 b4 31 h4 Re4 32  
Kf3 f5 33 g×f6 g×f6 34 Rd2 Kf7 35 Rh2 c5 36 Rd2  
Ke6 37 Ra2 Kf5 38 Rc2 b6 39 Rc1 d4 40 Rg1  
R×e3† 41 Kf2 Rh3 0-1

**Schach 2.5 — Chaturanga 1** e4 e5 2 Nf3 Nc6 3  
Bb5 a6 4 B×c6 d×c6 5 Nc3 Bg4 6 d3 Bd6 7 h3 B×f3  
8 Q×f3 Ne7 9 Be3 Bb4 10 Qg3 Ng6 11 a3 Bd6 12  
Bg5 f6 Time. 0-1

**Cube 2.1 — Mychess 1** e4 e5 2 Nf3 Nf6 3 N×e5  
d6 4 Nf3 N×e4 5 Nc3 N×c3 6 d×c3 Be7 7 Bf4 O-O  
8 Bc4 Nc6 9 O-O Be6 10 B×e6 f×e6 11 Bc1 d5 12  
Re1 Qd7 13 Qe2 Rf6 14 Bg5 Rg6 15 B×e7 Q×e7  
16 Qb5 Rb8 17 a4 Qf6 18 Kf1 Rg4 19 Re3 Qg6 20  
a5 R×g2 21 a6 Nd8 22 Qd7 Rg4 23 Q×c7 Nc6 24  
a×b7 Qe8 25 Rae1 Rg6 26 b4 Rd8 27 b5 Nb8 28  
Ne5 Rf6 29 Rg3 g6 30 Ng4 Rf5 31 Nh6† Kf8 32  
N×f5 Q×b5† 33 Kg2 Qd7 34 Q×d7 R×d7 35 Nd4  
R×b7 36 N×e6† Kg8 37 Re5 Rb2 38 R×d5 a6 39  
Rd8† Kf7 40 Ng5† Kg7 41 c4 h6 42 Rb3 R×b3 43  
c×b3 Nc6 44 Rd7† Kf6 45 Rd6† 1-0

### Round 3

**Belle — Nuchess 1** e4 e5 2 Nf3 Nf6 3 d4 N×e4 4  
Bd3 d5 5 N×e5 Bd6 6 O-O O-O 7 c4 B×e5 8 d×e5  
Nc6 9 f4 Nb4 10 c×d5 Q×d5 11 B×e4 Q×e4 12 Nc3  
Qg6 13 Be3 Be6 14 Qf3 Nc2 15 Rac1 N×e3 16  
Q×e3 c6 17 Rcd1 f6 18 Rd6 f×e5 19 Rf3 e4 20  
N×e4 Rae8 21 Qd4 Qf5 22 a3 a5 23 Rg3 Rf7 24  
Rd8 R×d8 25 Q×d8† Rf8 26 Qc7 g6 27 Qe5 Bc4 28  
Q×f5 R×f5 29 Rc3 b5 30 g3 Bd5 31 Re3 Rf7 32 Kf2  
Kg7 33 Nc5 Kf6 34 g4 Kg7 35 Kg3 Kh6 36 Ne6  
b4 37 a4 Rd7 38 f5 g×f5 39 g×f5 Bh1 40 f6 Bd5 41  
Kf4 B×e6 42 R×e6 Rd2 43 b3 Kg6 44 R×c6 Rf2† 45  
Ke4 Rb2 46 Rc5 K×f6 47 R×a5 R×b3 48 Rf5† Kg6  
49 Rb5 Rh3 50 Kd5 R×h2 51 R×b4 Rh5† 52 Kc4  
Rf5 53 Rb6† Kf7 54 Rb5 Rf4† 55 Kb3 Rf3† 56 Kc2  
Kg6 57 a5 h5 58 a6 Ra3 59 Rb6† Kf5 60 Kb2 Ra5  
61 Kc3 h4 62 Kb4 Ra1 63 Rb5† Kf4 64 Ra5 Rb1†  
65 Kc5 ½-½

**Chaos — Cray Blitz** 1 d4 Nf6 2 c4 c5 3 d5 e5 4 Nc3 Qa5 5 e3 d6 6 Bd2 Qb6 7 Qc2 Be7 8 Nf3 Na6 9 Na4 Qd8 10 Bd3 O-O 11 O-O h6 12 b3 Bg4 13 h3 Bxf3 14 gxf3 Nb4 15 Bxb4 cxb4 16 Qd2 a5 17 Kh1 Kh8 18 Rg1 Rc8 19 h4 Nh5 20 Bf5 Rc7 21 Bg4 g6 22 Bxh5 gxh5 23 e4 Kh7 24 Qe1 Bxh4 25 Qe3 Qc8 26 Rg2 Bg5 27 Qb6 Qh3† 28 Kg1 Rg8 29 Rg3 Bf4 30 Rxg8 Kxg8 31 Re1 Bh2† 32 Kh1 f6 33 Qc5 Bf4† 34 Kg1 Rg7# 0-1

**Duchess — Chess Challenger X** 1 e4 e5 2 Nf3 Nc6 3 Bc4 Nf6 4 Qe2 Bc5 5 d3 O-O 6 O-O d6 7 c3 Bg4 8 Bg5 Na5 9 Bb5 a6 10 Ba4 b5 11 Bc2 h6 12 Bd2 Nc6 13 b4 Bb6 14 a4 Be6 15 Be3 Bxe3 16 fxe3 Ng4 17 Nbd2 Ne7 18 Nh4 Qd7 19 axb5 axb5 20 Bb3 Bxb3 21 Nxb3 c6 22 Nf5 h5 23 Na5 Nxf5 24 Rxf5 g6 25 Rf3 d5 26 exd5 cxd5 27 h3 Nh6 28 e4 dxe4 29 Qxe4 Qc7 30 c4 Nf5 31 Kh2 bxc4 32 dxc4 Rfe8 33 c5 Nd4 34 Rf6 Qd8 35 Raf1 Qc7 36 Nc4 Nf5 37 R1xf5 gxf5 38 Rxf5 Rad8 39 Rxh5 f6 40 Nd6 Re7 41 Qg4† Rg7 42 Qe6† Rf7 43 Nxf7 Qxf7 44 Rh8† Kxh8 45 Qxf7 Rg8 46 c6 f5 47 c7 Ra8 48 b5 f4 49 b6 Rg8 50 b7 Rxg2† 51 Kxg2 f3† 52 Kf2 e4 53 c8(Q)# 1-0

**Philidor — L'Excentrique** 1 e4 c6 2 d4 d5 3 e5 Bf5 4 Ne2 e6 5 Ng3 Bg6 6 Bd3 h5 7 O-O h4 8 Ne2 Bxd3 9 Qxd3 Nd7 10 Nd2 Be7 11 c3 Qc7 12 Nf3 O-O-O 13 Bf4 b5 14 a4 Qb7 15 b4 bxa4 16 Rxa4 f5 17 Be3 Nb6 18 Ra2 Nc4 19 Bf4 Kd7 20 Ra4 a6 21 g3 h3 22 Ra2 Rh5 23 Re1 Rf8 24 Bc1 g5 25 Nd2 Nxd2 26 Bxd2 Ra8 27 Re1 Qb5 28 Qxb5 cxb5 29 f4 g4 30 Rxa6 Rxa6 31 Rxa6 Bd8 32 Rd6† Ke7 33 Be1 Bc7 34 Ra6 Nh6 35 Bd2 Nf7 36 Rc6 Kd7 37 Ra6 Nd8 38 Nc1 Rh7 39 Nd3 Kc8 40 Nc5 Bb8 41 Nxe6 Rh6 42 Nc7 Rxa6 43 Nxa6 Ne6 44 Be3 Bc7 45 Kf1 Kd7 46 Nxc7 Nxc7 47 Ke2 Na8 48 Kd3 Nb6 49 Bd2 Nc4 50 Bc1 Ke7 51 Bd2 Nxd2 52 Kxd2 Kf7 53 Ke3 Ke7 54 Kf2 Kd7 55 Ke3 Kc7 56 Kd3 Kd7 57 Kd2 Ke7 58 Ke3 Kd7 59 Kd3 Ke7 60 Kd2 Kd7 Adjudicated. 1-0 (61 c4 dxc4 62 d5 Kd8 63 e6 Ke7 64 Kc3 Kd6 65 Kd4 Ke7 66 Ke5 c3 67 d6† Ke8 68 Kf6 c2 69 d7† Kd8 70 Kf7 c1(Q) 71 e7† Kxd7 72 e8(Q)† Kc7 73 Qxb5)

**Cube 2.1 — Ostrich** 1 e4 d5 2 exd5 Nf6 3 c4 c6 4 d4 cxd5 5 Nc3 e6 6 Nf3 Bb4 7 Qa4† Nc6 8 Bg5 O-O 9 cxd5 Qxd5 10 Bxf6 Bxc3† 11 bxc3 Qe4† 12 Be2 gxf6 13 Qc4 Qg4 14 h3 Qf4 15 O-O Bd7 16 Rab1 Nd8 17 Qb4 h6 18 Qe7 Bc6 19 Qa3 b6 20 Rfe1 h5 21 Rb2 Nb7 22 g3 Qf5 23 Kg2 e5 24 Qb3 Na5 25 Qb4 Be4 26 Bd1 Nc6 27 Qc4 Na5 28 Qb5 Bc6 29 Qb4 Nb7 30 dxe5 fxe5 31 g4 hxg4 32 hxg4 Qf6 33 Kg3 a5 34 Qxb6 Qf4† 35 Kh4 Kg7 36 Kh3 Bxf3 37 Bxf3 Qxf3† 38 Kh2 Rh8† 39 Kg1 Qh1# 0-1

**Prodigy — Schach 2.5** 1 d4 d5 2 Bg5 h6 3 Bh4 Nf6 4 e3 g5 5 Bg3 Ne4 6 c4 Nxc3 7 fxg3 dxc4 8 Bxc4 e6 9 Nc3 c5 10 Nf3 cxd4 11 exd4 Qb6 12 Qd2 Qb4 13 Bb5† Bd7 14 Bxd7† Nxd7 15 Rcl Nb6 16 Rc2 Nc4 17 Qc1 g4 18 Ne5 Bg7 19 Nxc4 Bxd4 20 Rf1 Nxb2 21 Qd2 Rd8 22 Rxb2 Bxc3 23 Nf6† Ke7 24 Rxb4 Bxd2† 25 Ke2 Bxb4 26 Ke3 Rd2 27 a3 Ba5 28 Ng4 Rxg2 29 Rb1 Bb6† 30 Kf3 Ra2 31 Re1 Rxa3† 32 Kg2 h5 33 Nf2 Ra2 34 Rf1 Rh6 35 h3 a5 36 h4 Rxf2† 37 Rxf2 Bxf2 38 Kxf2 a4 39 Kf3 a3 0-1

**Mychess — Awit** 1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 a6 6 Be2 e6 7 O-O Be7 8 Bg5 Bd7 9 Nb3 Bc6 10 Bf3 O-O 11 a4 Nbd7 12 Nd4 Qb6 13 Nxc6 Qxc6 14 e5 d5 15 exf6 Nxf6 16 Re1 Qc5 17 Qd2 Rac8 18 Qd3 Rfd8 19 Qe2 Qb4 20 Rab1 d4 21 Bxf6 Bxf6 22 Ne4 Bh4 23 b3 Be7 24 Rbd1 g6 25 Qd2 Qxd2 26 Nxd2 Rxc2 27 Bxb7 Bb4 28 Nf3 Bxe1 29 Rxe1 a5 30 Kf1 Rb2 31 Re5 Rxb3 32 Be4 Ra3 33 Rxa5 Ra2 34 Ne5 Ra1† 35 Ke2 Ra2† 36 Ke1 Kg7 37 Ra7 Rf8 38 Nc6 Rc8 39 Bf3 Kf6 40 a5 h5 41 Rd7 Ra1† 42 Kd2 e5 43 Rd6† Kg7 44 Rd7 Kf6 45 Bd5 Kg5 46 Rxf7 Rg8 47 Re7 Ra8 48 Rxe5† Kf6 49 f3 R8a5 50 Re6† Kg7 51 Nxa5 Rxa5 52 Rd6 Adjudicated. 1-0

**Chaturanga — Bebe** 1 e4 c5 2 Nf3 d6 3 Bd3 Nf6 4 e5 dxe5 5 Nxe5 Qd5 6 Nf3 Bf5 7 Nc3 Qe6† 8 Be2 Nc6 9 d3 Nd4 10 Nxd4 cxd4 11 Nb5 Qb6 12 c4 dxc3 13 Nxc3 O-O-O 14 Be3 Qxb2 15 Nd5 Nxd5 16 Bd2 Nc7 17 g4 Bxd3 18 Bxd3 Rxd3 19 Ke2 Qd4 20 f4 Qe4† 21 Kf2 Qd4† 22 Ke2 Qe4† 23 Kf2 Qd5 24 Be3 Rxd1 25 Rhxd1 Qc4 26 Bd4 e6 27 Be3 Bc5 28 Kf3 Qc3 29 Re1 Bxe3 30 Ke4 Bd2 31 Re2 Ne8 32 Rxd2 Nf6# 0-1

#### Round 4

**Cray Blitz — Belle** 1 e4 e5 2 Nf3 Nc6 3 Bc4 Nf6 4 Ng5 d5 5 exd5 Na5 6 Bb5† c6 7 dxc6 bxc6 8 Qf3 Rb8 9 Bxc6† Nxc6 10 Qxc6† Nd7 11 d3 Be7 12 Ne4 Bb7 13 Qa4 Qc7 14 Nbc3 Bc6 15 Qc4 Qc8 16 Nd5 Bxd5 17 Qxd5 Qxc2 18 O-O f6 19 f4 Nb6 20 Qa5 Qxd3 21 Qxa7 O-O 22 Qxe7 Qxe4 23 Qe6† Kh8 24 fxe5 fxe5 25 Rxf8† Rxf8 26 h3 Qe1† 27 Kh2 h6 28 Qxb6 Rf1 29 Qd8† Kh7 30 Qd3† e4 31 Qxf1 Qxf1 32 a3 e3 33 Bxe3 Qxa1 34 Bd4 h5 35 Bc3 g5 36 Be5 Qe1 37 Bc3 Qf2 38 Kh1 g4 39 hxg4 hxg4 40 Kh2 Qh4† 41 Kg1 g3 42 Kf1 Kg6 0-1

**Nuchess — Duchess** 1 f4 Nf6 2 e3 g6 3 b3 Bg7 4 Bb2 O-O 5 Nf3 c5 6 Be2 b6 7 O-O Bb7 8 Qe1 e6 9 Nc3 d5 10 Qh4 Ne4 11 Ng5 h6 12 Nf3 Qxh4 13 Nxh4 Nxd2 14 Rfd1 Ne4 15 Na4 Bxb2 16 Nxb2 Nc3 17 Re1 Nxe2† 18 Rxe2 d4 19 exd4 g5 20 fxg5 hxg5 21 Nf3 g4 22 Ne5 cxd4 23 Nxc4 Kg7 24 Rae1 Nc6 25 Nd3 Rh8 26 Rf1 f5 27 Nf2 Rae8 28 g4 Nd8 29 gxf5 exf5 30 Rxe8 Rxe8 31 Nh1 Re2 32 Rf2 Rxf2 33 Nhx2 Ne6 34 Kf1 Kf6 35 Nh3 Bf3 36 Ke1 Bg2 37 Nhf4 Nxf4 38 Nxf4 Bf3 39 Kd2 Ke5 40 Nd3† Ke4 41 Nf2† Kd5 42 Nd3 b5 43 h4 Ke4 44 Nc5† Kf4 45 a4 bxa4 46 Nxa4 Ke5 47 Nc5 f4 48 Nd3† Kf5 49 Nb4 a5 50 Nd3 Bh5 51 Ke1 Be8 52 Nc5 Bg6 53 Nd3 Bh5 54 Nc5 Bf7 55 Kd2 Bd5 56 Nd3 Bg8 57 Ne1 Kg4 58 Kd3 f3 59 Nxf3 Kxf3 60 Kxd4 Ke2 61 Kc5 Kd2 62 Kb5 Kxc2 63 Kxa5 Kxb3 ½-½

**Ostrich — Bebe** 1 e4 c5 2 Nf3 d6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 g6 6 Be2 Bg7 7 O-O O-O 8 Be3 Bd7 9 a4 Nc6 10 Nb3 Nb4 11 f4 Qc7 12 a5 Nxe4 13 Nxe4 Qxc2 14 Bf3 Bxb2 15 Rb1 Qxd1 16 Bxd1 Bg7 17 Bf3 Bb5 18 Rf2 Bc6 19 Ng5 Bxf3 20 Nxf3 Nd5 21 Bd2 Rac8 22 Nc1 Rc7 23 Nd3 Rfc8 24 Rb3 e6 25 Bb4 Rd7 26 Bd2 Rc2 27 Nfe1 Ra2 28 Nc1 Ra4 29 Ne2 Ra2 30 Nc1 Ra4 31 Ne2 Re7 32 Nc2 Ra2 33 Ned4 Rc7 34 g4 e5 35 fxe5 dxe5 36 Nb4 Nxb4 37 Nb5 Rcc2 38 Rxb4 Bf8 39 Na3 Rxa3

40 Rxb7 Bc5 41 Be1 Bxf2+ 42 Bxf2 Ra1+ 0-1

**Chess Challenger X — Philidor** 1 e4 c5 2 c3 d5 3 exd5 Qxd5 4 d4 e6 5 Nf3 Nf6 6 Be3 Ne4 7 c4 Qd8 8 Bd3 f5 9 Bxe4 fxe4 10 Ne5 cxd4 11 Bxd4 Qg5 12 O-O Nd7 13 Nxd7 Bxd7 14 Qe2 Bc6 15 Nc3 e5 16 Be3 Qf5 17 Rad1 Be7 18 Qd2 O-O 19 Nd5 Bd8 20 Bc5 Rf7 21 Ne3 Qg5 22 Kh1 Bb6 23 Bxb6 axb6 24 b3 Raf8 25 Kg1 b5 26 c5 Rf3 27 h4 Qxh4 28 gxf3 exf3 29 Qd6 Qg5+ 30 Kh1 Qh4+ 31 Kg1 Qg5+ 32 Kh2 Qh4+ 33 Kg1 ½-½

**L'Excentrique — Chaos** 1 e4 c5 2 Nf3 Nc6 3 d4 cxd4 4 Nxd4 Nf6 5 Nc3 e6 6 Ndb5 Bb4 7 a3 Bxc3+ 8 Nxc3 d5 9 exd5 exd5 10 Bd3 O-O 11 O-O h6 12 Bf4 d4 13 Nb5 Nd5 14 Bg3 Be6 15 Re1 Qd7 16 h3 Rad8 17 Qf3 Nde7 18 a4 Bf5 19 Bd6 Bxd3 20 cxd3 a6 21 Bxe7 Nxe7 22 Na3 Rfe8 23 Nc4 Nd5 24 b3 Rc8 25 Rxe8+ Rxe8 26 a5 Nc3 27 Kf1 Qe7 28 Qg4 Qe2+ 29 Qxe2 Rxe2 30 Nd6 Re7 31 Nf5 Re2 32 Nxd4 Rd2 33 Nf5 Rxd3 34 f3 Nd5 35 Ra3 Rc3 36 Kf2 f6 37 g4 Nf4 38 h4 Nd3+ 39 Kg3 Ne5 40 Nd4 Kf7 41 Ra2 Rd3 42 Ra4 Rd2 43 Rb4 Kg8 44 Nf5 Rd7 45 Rb6 Nc6 46 b4 g6 47 Nxh6+ Kg7 48 g5 f5 49 f4 Rd3+ 50 Kf2 Rd2+ 51 Ke1 Rd7 52 b5 axb5 53 a6 bxa6 54 Rxc6 Ra7

Adjudicated. 1-0

**Schach 2.5 — Cube 2.1** 1 e4 c5 2 Nf3 Nf6 3 e5 Nd5 4 Nc3 Nc7 5 Bd3 d6 6 exd6 Qxd6 7 Ne4 Qd5 8 O-O Bg4 9 h3 Bxf3 10 Qxf3 Nd7 11 c4 Qd4 12 Qe3 Qxe3 13 dxe3 e6 14 Be2 f5 15 Ng3 Be7 16 Bd2 Bf6 17 Rad1 O-O-O 18 Rb1 Nb8 19 Rfd1 g6 20 b3 Nc6 21 Rbc1 Rhe8 22 Bc3 Rxd1+ 23 Bxd1 Bxc3 24 Rxc3 Rd8 25 Be2 h5 26 a4 h4 27 Nf1 e5 28 f3 Ne6 29 Kf2 f4 30 Nh2 fxe3+ 31 Kxe3 Nf4 32 Bf1 Rd1 33 Ke4 Re1+ 34 Re3 Rc1 35 Bd3 Nxg2 36 Re2 Nf4 37 Re3 Rd1 38 Ng4 Nxh3 39 f4 Nxh4 40 Nxe5 Nxe5 41 Bc2 Nxc4 42 Bxd1 Nxe3 43 Kxe3 Nd5+ 44 Kd3 Nf6 45 Kc4 b6 46 a5 bxa5 47 Kxc5 h3 48 Kb5 h2 49 Bf3 Nh5 50 Kxa5 Ng3 51 Kb5 h1(Q) 52 Bxh1 Nxh1 53 Kc5 Nf2 54 Kd4 g5 55 Ke5 Kd7 56 Kf5 a5 57 Kxg5 Ne4+ 58 Kf5 Nc5 59 Ke5 Nxb3 60 Kd5 a4 61 Kc4 Kd6 62 Kb4 Nc5 63 Ka3 Kc6 64 Kb4 Kd5 65 Ka3 Kc4 66 Kb2 Nd3+ 67 Ka3 Kb5 68 Ka2 Kb4 69 Kb1 Kb3 70 Ka1 a3 71 Kb1 a2+ 72 Ka1 Nb2 ½-½

**Awit — Prodigy** 1 b3 d5 2 Bb2 Bg4 3 Nf3 c5 4 e3 e6 5 h3 Bxf3 6 Qxf3 Nc6 7 Na3 e5 8 Bb5 e4 9 Qf5 Ne7 10 Qg4 h5 11 Qg5 f6 12 Qf4 Ng6 13 Qg3 Ne5 14 Bxe5 fxe5 15 Qxe5+ Kf7 16 Qf5+ Kg8 17 Bxc6 bxc6 18 Qe6+ Kh7 19 Qxc6 Rc8 20 Qa6 Qd7 21 c4 Rc6 22 Qa4 d4 23 O-O dxe3 24 dxe3 Bd6 25 Rad1 h4 26 Rd5 Kh6 27 Nb5 Rb8 28 Nxd6 Qc7 29 Nxe4 Rb7 30 Rfd1 Rbb6 31 Qa5 Qf7 32 Nxc5 Rg6 33 Na4 Qf3 34 g4 hxg3 35 Rh5+ Qxh5 36 Qxh5+ Kxh5 37 Nxb6 gxf2+ 38 Kxf2 axb6 39 Rd4 Rf6+ 40 Kg3 Rc6 41 Kf3 Rh6 42 a4 Kg5 43 h4+ Kh5 44 Re4 Rf6+ 45 Kg3 Rg6+ 46 Kh3 Rd6 47 c5 bxc5 48 Re5+ Kh6 49 Rxc5 Rd3 50 Rb5 Rxe3+ 51 Kg4 Re4+ 52 Kg3 Re3+ 53 Kf4 Rd3 54 b4 Rd4+ 55 Kg3 Rd3+ 56 Kg4 Rd4+ 57 Kh3 Rd3+ 58 Kh2 1-0

**Mychess — Chaturanga** 1 e4 e5 2 Nf3 Nc6 3 Bb5 a6 4 Ba4 d6 5 c3 Nf6 6 Bxc6+ bxc6 7 d4 exd4 8 Qxd4 c5 9 Qd3 Be6 10 c4 Be7 11 Nc3 Qb8 12 O-O Ng4 13 Nd5 Ne5 14 Nxe5 dxe5 15 Nxe7 Kxe7 16 Qc3 c6 17 Be3 Qd6 18 Rad1 Qc7 19 Bxc5+ Kf6 20 Bd6 Qb6 21 Bxe5+ Ke7 22 Bxg7 Rhc8 23 c5 Qb5 24 Qf6+ Ke8 25 Qe5 Qc4 26 Qd6 Qxf1+ 27 Kxf1 Bc4+ 28 Kg1 Bd5 29 exd5 f5 30 Qe6+ Kd8 31 dxc6+ Kc7 32 Be5# 1-0

This game was played with colors opposite to what was paired.

1982 TOURNAMENT RULES

1. Participants are required to attend a meeting at 12noon on Sunday, October 24th, for the purpose of officially registering for the tournament. Rules will be discussed at that meeting. The tournament director has the right to choose an alternate to replace any entry which fails to appear.
2. Each entry is a computing system. A listing of all programs running on that system should be available on demand to the tournament director.
3. The tournament is a four round Swiss style tournament with trophies to be awarded to the first three finishers.
4. The first and second rounds will be played Sunday, October 24th, at 1p.m. and 7.30p.m. The third round is scheduled for Monday, October 25th, at 7.30p.m., and the fourth round on Tuesday, October 26th, at 7.30p.m.
5. Unless otherwise specified, rules of play are identical to those of regular "human" tournament play. If a point is in question, the tournament director has the authority to make the final decision.
6. Games are played at a speed of 40 moves per player in the first two hours and then 10 moves every 30 minutes thereafter.
7. The tournament director has the right to adjudicate a game after five hours of total clock time. The adjudication will be made on premise that perfect chess will be played by both sides from the final position.
8. The order of finish of the participants will be determined by the total number of points earned. If two teams have an equal number of points, the sum of opponents' points will be used as a second factor. If a tie still remains, the opponents' opponents' points will be used as a third factor.
9. At the end of each game, each team is required to turn in a game listing to the tournament director.
10. Any computing system can be used. Permission to change computing systems must be obtained from the tournament director.
11. A team may request the tournament director to stop its clock at most twice during the course of the game because of technical difficulties. The clock must be restarted each time after at most 15 minutes. If the team can clearly establish that its problems are not in its own computing system but in the telephone network or in the communication facilities provided by the Tournament Committee, the tournament director can permit additional time-outs.
12. There is no manual adjustment of program parameters during the course of a game. In the case of failures, the program parameters must be reset to their original settings if it is at all possible. Information regarding castling status, en passant status, etc., may be typed in after a failure. If at any time during the course of a game the computer asks for the time remaining on either his or his opponent's clock, this information may be provided. However, the computer must initiate the request for information.
13. Each game is officially played on a chess board provided by the Tournament Organizing Committee. An electronic chess board used by one side can be substituted if the other side is agreeable. The official clock is provided by the TOC. If both sides are agreeable, another clock can be used.

## COMPUTER CHESS LITERATURE

Books:

- Bell, A.. (1978) The Machine Plays Chess?, Pergamon Press, Oxford.
- Botvinnik, M.M., (1970) Computers, Chess, and Long Range Planning, Springer Verlag, New York.
- Clarke, M.R.B., (ed.) (1977) Advances in Computer Chess I, Edinburgh University Press, Edinburgh, Scotland.
- Clarke, M.R.B., (ed.) (1980) Advances in Computer Chess II, Edinburgh University Press, Edinburgh, Scotland.
- Frey, P. (ed.) (1977) Chess Skill in Man and Machine, Springer Verlag, New York.
- Hayes, J. and Levy, D., (1976) The World Computer Chess Championship, University of Edinburgh Press.
- Levy, D., (1976) 1975 U.S. Computer Chess Championship, Computer Science Press, Potomac, Maryland.
- Levy, D., (1976) Chess and Computers, Computer Science Press, Potomac, Maryland.
- Levy, D., (1976) 1976 Computer Chess Championship, Computer Science Press, Potomac, Maryland.
- Levy, D., and Newborn, M., (1980) More Chess and Computers, Computer Science Press, Potomac, Maryland.
- Newborn, M., (1975) Computer Chess, Academic Press, New York.
- Newborn, M., (1979) "Recent Progress in Computer Chess", Advances in Computers, Vol. 19, Academic Press, New York, pp. 58-119.

Magazines:

In the last few years, articles on computer chess have appeared in Sports Illustrated, Scientific American, Science Magazine, Nature, The Mathematical Intelligencer, Chess Life, Personal Computing, the ACM's SIGART Newsletter and many others.

The ACM Computer Chess Committee:

In 1979 the ACM established the Computer Chess Committee as a standing Committee on the Management Board responsible for organizing computer chess events within the ACM. Its primary responsibility is to put together a successful North American Championship every year at the ACM's Annual Conference. Committee Members are M. Newborn (chair), B. Mittman (vice-chair), K. Thompson, K. Spracklen, and T. Marsland.

The ICCA:

Established at the Second World Computer Chess Championship in Toronto

in 1977, the International Computer Chess Association currently has over 450 members. Ben Mittman serves as President and as Editor of the ICCA Newsletter which is published three or four times a year. Monroe Newborn and Ken Thompson serve as Vice President and Secretary/Treasurer, respectively. Dues are \$10.00 (U.S.) for a one year membership. Interested individuals should write to Ken Thompson, Bell Telephone Laboratories, Room 2C, 423 Murray Hill, New Jersey, 07974.

