The First World Computer Chess Championship was held in Stockholm, Sweden, August 5-8, 1974. KAISSA, authored by V. L. Arlazaroff and M. V. Donskoy of the Moscow Institute of Control Science, won the tournament; second was CHESS 4.0 of Northwestern University; and third was RIBBIT of the University of Waterloo, Canada. The Second World Championship took place in Toronto, Canada, August 7-9, 1977. This time CHESS 4.6, authored by David Slate and Larry Atkin of Northwestern University, won the tournament; KAISSA came in second; and DUCHESS, authored by Tom Truscott, Bruce Wright and Eric Jensen of Duke University in North Carolina, came in third. CHESS 4.9, KAISSA, DUCHESS, and 13 other programs have been selected to compete in the Third World Championship which begins at 10:00 A.M. on September 25 in Linz, Austria. This special issue of the ICCA Newsletter presents a list of the participating programs, their authors' names and affiliations and other pertinent information. Another Newsletter will be published after the tournament with complete results and game scores.

Several well-known computer and chess personalities have been invited to assist in the tournament. Grandmaster H. Pfleger will work with David Levy as the tournament commentator. In addition, in honor of the thirtieth anniversary of his paper "Programming a computer for playing chess", Prof. Claude Shannon will be in attendance throughout the tournament and will discuss his views of progress in the field since he wrote his classic paper. Finally, Mr. Fridrik Olafsson of Iceland, the current President of FIDE, the international chess federation, will also attend.
The first two world championships were sponsored by IFIP, the International Federation for Information Processing, and were held during the IFIP Congresses in 1974 and 1977. After considerable effort was made to fund the 3rd Championship for the IFIP 80 Congress in Melbourne, Australia, it became clear that sufficient support was not available. Therefore, other sites were sought. The City of Linz had been expanding its annual music festival to include topics of interest in technology and art. They chose to support our tournament. We are grateful to them and very pleased to come to Linz with this outstanding competition, matching the finest computer chess programs in the world against one another. We look forward to seeing as many ICCA members as possible in Linz on September 25-29.

Members of the Organizing Committee of the tournament are David Levy, Monroe Newborn, and Ben Mittman. Public relations are being handled by Mr. Frederic Friedel, Hauptstrasse 28B, 2114 Hollenstedt, West Germany. Local arrangements are being handled by Dr. Ernst Kubin of the Linz Office of Special Events. The tournament will be held each morning, September 25-28, at Brucknerhaus. On Monday morning, September 29, the programs will participate in a number of speed chess competitions and exhibitions against strong human players and the public.

In the last issue of the ICCA Newsletter, we reported on the $100,000 Fredkin Prize for the first computer program to become the World Chess Champion. As part of the process, there will be a series of annual computer-versus-human competitions offering incentive prizes. Dr. Hans Berliner of Carnegie-Mellon University has announced that the top two finishers in the 3rd World Championship will be invited to compete for the incentive prizes in 1981.

Authors of a total of 20 programs submitted acceptable applications for the 16 positions available in the tournament. Of these, 13 were selected in the first round of decisions. It was decided to select two of three Canadian entrants and one of two additional European entrants by means of elimination matches. The three Canadian programs, AWIT, L'EXCENTRIQUE, and OSTRICH, played a double round-robin elimination match with the following results: OSTRICH: 3-1 (won-lost), L'EXCENTRIQUE: 2-2, AWIT: 1-3. Thus, OSTRICH and L'EXCENTRIQUE were chosen to participate, and AWIT was assigned as a standby. DARK HORSE of Sweden and MIKE III of England also were selected for an elimination match. Due to technical difficulties, a final decision regarding these two programs has been delayed. Two additional programs, MERLIN from Austria and CSACH from Czechoslovakia, were also selected as standbys. The complete list of final participants and standbys is found on the next page.

Finally, we want to remind all members of ICCA that the first Triennial Meeting will be held in Brucknerhaus in Linz on Monday, September 29. The Constitution and Bylaws which were mailed in July were approved, with a return of 64 ballots in favor and none opposed (as of August 19, 1980). Also, as of this date, no additional petitions for nominations of candidates for ICCA President, Vice President, or Secretary-Treasurer have been received. The current slate consists of Benjamin Mittman, Monroe Newborn, and Kenneth Thompson, respectively. The election will be held during the ICCA meeting on Monday, September 29, in Brucknerhaus at 1:00 P.M. Other business will include reports by various ICCA committee chairmen.
### 3rd World Computer Chess Championship

**Program Name** | **Author(s)** | **Affiliation** | **Probable Computer (Location)**
--- | --- | --- | ---
2. BEBE | Tony Scherser | SYS-10, Inc., Hoffman Estates, IL, USA | BEBE Chess Machine (at tournament site)
3. BELLE | Ken Thompson, Joe Condon | Bell Telephone Labs, Murray Hill, NJ, USA | PDP 11/70 (Murray Hill, NJ, USA)
4. CHAOS | Fred Swarts, Mike Alexander, Jack O'Keefe, Victor Berman | University of Michigan, Ann Arbor, MI, USA | Amdahl 470 (Sunnyvale, CA, USA)
5. CHESS 4.9 | Lawrence Atkin, David Cahlander | Northwestern University, Evanston, IL, USA and Control Data Corporation, Minneapolis, MN, USA | CDC Cyber 176 (Arden Hills, MN, USA)
6. CSC | Dan and Kathie Spracklen, Ron Nelson, Frank Dusson, Ed English | Fidelity Electronics, Miami, FL, USA | Champion Sensory Challenger (at tournament site)
7. DARK HORSE* or MIKE III* | Ulf Rathman, Mike Johnson, Dave Wilson | Private Entry, Stockholm, Sweden; Private Entry, London, England | Univac 1100/81 (Stockholm, Sweden)
8. DUCHESS | Tom Truscott, Bruce Wright, Eric Jensen | Duke University, Durham, NC, USA | IBM 370/165 (Research Triangle, NC, USA)
9. L’EXCENTRIQUE | Claude Jerry | McGill University, Montreal, Canada | Amdahl V/7 (Montreal, Canada)
10. KAISSA | V. L. Arlasaroff, M. V. Donskoy | Institute for Systems Studies, Moscow, USSR | IBM 370/168 or equivalent (Austria?)

*One of the two programs is yet to be selected.*

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** Participation Details:**

**Program Name** | **Author(s)** | **Affiliation** | **Computers**
--- | --- | --- | ---
--- | --- | --- | ---
2. BEBE | Tony Scherser | SYS-10, Inc., Hoffman Estates, IL, USA | BEBE Chess Machine (at tournament site)
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<th>Author(s)</th>
<th>Affiliation</th>
<th>Probable Computer (Location)</th>
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<tbody>
<tr>
<td>12. MYCHESS</td>
<td>David Kittinger</td>
<td>Private Entry Anchorage, AK, USA</td>
<td>Cromeneco (at tournament site)</td>
</tr>
<tr>
<td>13. NUCHESS</td>
<td>David Slate, William Blanchard</td>
<td>Northwestern University Evanston, IL, USA</td>
<td>CDC 6600 (Evanston, IL, USA)</td>
</tr>
<tr>
<td>14. OSTRICH</td>
<td>Monroe Newborn</td>
<td>McGill University Montreal, Canada</td>
<td>Data General Nova 3 (Montreal, Canada)</td>
</tr>
<tr>
<td>15. PARWELL</td>
<td>Thomas Nitsche, Elmar Henne, Wolfram Wolff</td>
<td>PT-Gesellschaft für Informatik MBH Munich, Germany</td>
<td>Siemens SMS 2 (Munich, Germany)</td>
</tr>
<tr>
<td>16. Schach 2.3</td>
<td>Matthias Engelbach</td>
<td>Bundeswehrhochschule Neubiberg bei München, Germany</td>
<td>Burroughs 7800 (Neubiberg/Münich, Germany)</td>
</tr>
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<th>Probable Computer (Location)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AWIT</td>
<td>T. A. Marsland</td>
<td>University of Alberta Edmonton, Canada</td>
<td>Andahl 470 V/7 (Edmonton, Canada)</td>
</tr>
<tr>
<td>2. CSACH</td>
<td>Zdenek Kestranek</td>
<td>Computer Center, CKD Prague, Czechoslovakia</td>
<td>ICL 1903T (Prague, Czechoslovakia)</td>
</tr>
<tr>
<td>3. DARK HORSE or MIKE III</td>
<td>See participants list.</td>
<td></td>
<td>COMA 1303</td>
</tr>
<tr>
<td>4. MERLIN</td>
<td>H. Horacek, H. Keindl, R. Schreier, M. Wagner</td>
<td>Technical University of Vienna Vienna, Austria</td>
<td>CDC Cyber 74 (Vienna, Austria)</td>
</tr>
</tbody>
</table>
Dear chess friends,

Chess playing computers are getting stronger and some have even reached Master level. Many experts, however, feel that their style of play remains unimaginative, lacking in strategic insights, and quite obviously "mechanical".

Is it possible to immediately recognize a chess game played by a computer, to tell it from games played by human beings? This question was the subject of an experiment performed by the German TV Magazine "DIE GUTE AUS DER WISSENSCHAFT" in a feature on computer chess.

The Int. Grandmaster Dr. Helmut Pfleger was engaged to play simultaneously against 26 opponents during a chess festival in Hamburg. Without his knowledge three of his opponents were playing moves generated by computer programs. The computers were connected by telephone link to the tournament hall and the moves were communicated to the players by means of hidden wireless receivers.

The authors of the computer programs were instructed to resign or offer draws for their programs if they considered this appropriate at any stage of the game. The computers had to have a move ready when the grandmaster approached the board, even if this reduced playing strength considerably.

Of the 26 games Dr. Pfleger won 22, drew two and lost two. We have chosen five of these games (four wins and one loss) and invite computer and chess experts - and any interested party - to attempt to pick out the computer. Dr. Pfleger played white in all games.

We would be glad to receive replies before the 21th Sept. [1987]. The results of the experiments will be made known after October 1.

For further information please consult:

Frederic A. Friedel
Hauptstr. 28 B
D 2114 Hollesteinstr. / West-Germany
Tel: 04165 - 0566

or

Albrecht Fölsing
NDR - TV
Dept. of Science
Tel: 040 - 413 5236

Yours sincerely,

Frederic A. Friedel

Albrecht Fölsing

Encl.: 5 chess games
30. Da5 Lb5 6:5. g7 Tb1
31. Db4 Lb4 0-0 0-0
32. h5 Td7
33. Db3 Td3
34. Lg3 Tc3
35. Tb7 Tc7
36. Tb2 Tc2
37. h6 Tc6
38. Tb4 Tc4
39. h7 Tc7
40. h8 Kh8

5 Partien aus einer Simultanrunde:
"Welches ist die Computerpartie?"
weiß: Dr. Helmut Pfleger
2nd World Microcomputer Chess Championship

Photos were incorrectly printed in the October 1981 ICCA Newsletter.

Each commercial unit was inspected by the Organizing Committee.

The commercial participants:
Novag, Gabrielle Auge; Fidelity, Ron Nelson;
Applied Concepts, Grady Porter; SciSys, Kevin O'Connell.

Stephen Chen ponders a Conic Experimental position. Ulf Rathsman of PrinChess is in the background.

The Travemunde Beach
The trophies await the winners in Travemünde.

The Towers of Lübeck

Kathe Spracklen of Fidelity, David Levy and Kevin O’Connell of SciSys at the Hamburg play-off.

Tournament organizer Gerhardt Piel and ICCA President Ben Mittman congratulate the play-off winners: Kathe and Dan Spracklen and Ron Nelson of Fidelity Electronics.