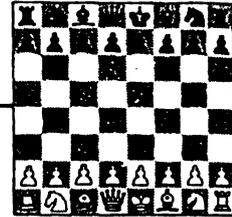


INTERNATIONAL COMPUTER CHESS ASSOCIATION  
(I.C.C.A.)



# ICCA Newsletter

SPECIAL ISSUE

Vol. 3 No. 2  
August 1980  
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Editor: B. Mittman  
Editorial Asst.: J. Cesal  
Northwestern University

## 3rd WORLD COMPUTER CHESS CHAMPIONSHIP

Linz, Austria. September 25th - 29th 1980

Organized by the International Computer Chess Association  
Under the auspices of the Federation Internationale des Echecs

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.

Brucknerhaus  
Linz, Austria

# 3rd WORLD COMPUTER CHESS CHAMPIONSHIP

September 25-29, 1980

## PARTICIPANTS

<u>Program Name</u>	<u>Author(s)</u>	<u>Affiliation</u>	<u>Probable Computer (Location)</u>
1. BCD	Don Beal	Queen Mary College London, England	PDP 11/70 (London, England)
2. BEBE	Tony Scherzer	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 Swartz, 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 Kathe Spracklen, Ron Nelson, Frank Duason, Ed English	Fidelity Electronics Miami, FL, USA	Champion Sensory Challenger (at tournament site)
7. DARK HORSE* or MIKE III*	Ulf Rathsmann Mike Johnson, Dave Wilson	Private Entry Stockholm, Sweden Private Entry London, England	Univac 1100/81 (Stockholm, Sweden?) 6502 plus chess hardware (at tournament site)
8. DUCHESS	Tom Truscott, Bruce Wright, Eric Jensen	Duke University Durham, NC, USA	IBM 370/165 (Research Triangle, NC, USA)
9. L'EXCENTRIQUE	Claude Jarry	McGill University Montreal, Canada	Amdahl V/7 (Montreal, Canada)
10. KAISSA	V. L. Arlazaroff 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.

<u>Program Name</u>	<u>Author(s)</u>	<u>Affiliation</u>	<u>Probable Computer (Location)</u>
11. MASTER	Peter Kent John Birmingham	Atomic Energy Research Estab. Harwell, England	IBM 3033 (Harwell, England)
12. MYCHESS	David Kittinger	Private Entry Anchorage, AK, USA	Cromenco (at tournament site)
13. NUCHESS	David Slate William Blanchard	Northwestern University Evanston, IL, USA	CDC 6600 (Evanston, IL, USA?) or CRAY-1 or CDC Cyber 176
14. OSTRICH	Monroe Newborn	McGill University Montreal, Canada	Data General Nova 3 (Montreal, Canada)
15. PARWELL	Thomas Nitsche, Elmar Henne, Wolfram Wolff	PI-Gesellschaft für Informatik MBH Munich, Germany	Siemens SMS 2 (Munich, Germany)
16. Schach 2.3	Matthias Engelbach	Bundeswehrhochschule Neubiberg bei München, Germany	Burroughs 7800 (Neubiberg/Munich, Germany)
<u>STANDBYS</u>			
1. AWIT	T. A. Marsland	University of Alberta Edmonton, Canada	Amdahl 470 V/7 (Edmonton, Canada)
2. CSACH	Zdenek Kestranek	Computer Center, CKD Prague, Czechoslovakia	ICL 1903T (Prague, Czechoslovakia) GDRA 1305
3. DARK HORSE or MIKE III	See participants list.		
4. MERLIN	H. Horacek, H. Kaindl, R. Schreier, M. Wagner	Technical University of Vienna Vienna, Austria	CDC Cyber 74 (Vienna, Austria)

NDR

**Editor's Note:** This letter was received just in time for mailing with the Special Issue of the ICCA Newsletter. Please send your replies to Messrs. Friedel or Fölsing before September 20.

B. Hiltman

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Tel.-Durchwahlnummer: 413- 5236  
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Telegramm-Adresse: Nordfunk  
Deutsche Bank, BIZ 200 700 00  
Konto-Nr. 300711  
Postcheck Hamb., BIZ 200 100 20  
Konto-Nr. 7007 00-701

HA Kultur u. Wissenschaft  
(Bitte bei den Adressen angeben)

Fr-ro 22.8.00

Dear chess friends,

chess playing computers are getting stronger and some have even reached Masters' 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 BILDER AUS DER WISSENSCHAFT in a feature on computer chess.

The Int. Grandmaster Dr. Haimut 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.

2 /..

HOCHDEUTSCHE SCHRIFT

page 2

BLATT

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 20th Sept. 1980. 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 Hollenstedt / West-Germany  
Tel: 04165 - 0566

or

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

Yours sincerely,

*Frederic Friedel* *Albrecht Fölsing*  
(Frederic A. Friedel) (Albrecht Fölsing)

Encl.: 5 chess games

1. d4 d5  
 2. c4 c6  
 3. cd5: cd5:  
 4. Sc3 Sc6  
 5. Sf3 Sf6  
 6. Lf4 Lf5  
 7. e3 e6  
 8. Lb5 Sd7  
 9. O-0 Le7  
 10. De2 Tc8  
 11. Tac1 Lg4  
 12. h3 Lh5  
 13. g4 Lg6  
 14. Se5 Sde5:  
 15. Le5: O-0  
 16. Lg3 f5  
 17. Ld3 Ld6  
 18. f4 Lb4  
 19. g5 De8  
 20. a3 Lh5  
 21. Dd2 La5  
 22. b4 Lb6  
 23. Kh2 Tf7  
 24. Sb5 Td7  
 25. a4 a5  
 26. ba5: La5:  
 27. Db2 Lb4  
 28. Le1 Le1:  
 29. Tfe1:Dd8  
 30. Da3 Lf3  
 31. Kg3 Lh5  
 32. Tc2 Da5  
 33. Tec1 Ta8  
 34. Sd6 Da4:  
 35. Da4: Ta4:  
 36. Sb7: Tb7:  
 37. Tc6: Ta3  
 38. Tic3 Tc3:  
 39. Tc3: h6  
 40. h4 Kf8

41. La6 Tb6  
 42. Lf1 hg5:  
 43. fg5: g6:  
 44. Kf4 Ke7  
 45. Ke5 Lf3  
 46. Tc7+ Kd8  
 47. Tg7 Lh5  
 48. Ta7 Lf3  
 49. La6 Lg2  
 50. Ta8+ Kc7  
 51. Lc8 Tb3  
 52. Kf4 e5+  
 53. Ke5: Te3: +  
 54. Kf6 f4  
 55. Le6 Kb6  
 56. h5 gh5:  
 57. g6 f3  
 58. Ld5: Lh1  
 59. Ta1 f2  
 60. Tb1+ Kc7  
 61. Lh1: Te1  
 62. Lg2 Tb1:  
 63. g7 Tg1  
 64. g8D f1D+  
 65. Lf1: Tg8:  
 66. Lh3 Kd6  
 67. d5 h4  
 68. Le6 Tg3  
 Weiß gab auf.  
 0 : 1

1. c4 e5  
 2. Sc3 Sc6  
 3. Sf3 Sf6  
 4. g3 d6  
 5. Lg2 b6  
 6. O-0 Lb7  
 7. d3 Le7  
 8. Lg5 Dd7  
 9. Lf6: Lf6:  
 10. Sd5 O-0-0  
 11. b4 e4  
 12. Sf6: gf6:  
 13. de4: Sb4:  
 14. Sd4 Tho8  
 15. Dd2 c5  
 16. Sb5 Kb8  
 17. a3 Sc6  
 18. Tfd1 Se5  
 19. Dd6: +Dd6:  
 20. Sd6: Te7  
 21. f4 Sc6  
 22. Sb7: Td1: +  
 23. Td1: Kb7:  
 24. e5 Kc7  
 25. Le6: Kc6:  
 26. Td6+ Kc7  
 27. Tf6: Kd8  
 28. e4 Ko8  
 29. Kf2 Td7  
 30. Td6 Td6:  
 31. od6: Kd7  
 32. e5 f6  
 33. Ke3 f5  
 34. h3 h5  
 35. Kf3 a6  
 36. a4 b5  
 37. ab5:  
 Schwarz gab auf  
 1 : 0

3. Sf3 d5  
 4. d4 c5  
 5. dc5: Sc6  
 6. c4 d4  
 7. e3 e5  
 8. ed4: ed4:  
 9. Ld3 Le7  
 10. O-0 Sf6  
 11. Lg5 O-0  
 12. Sbd2 Dc7  
 13. Te1 Lg4  
 14. h3 Lh5  
 15. a3 Lg6  
 16. Lg6: fg6:  
 17. b4 Tf7  
 18. Dd2 Te8  
 19. Lf6: gf6:  
 20. De6 Kg7  
 21. Se4 Dc8  
 22. Sd6 De6:  
 23. Se8: +Kf8  
 24. Te6: Ke8:  
 25. Tao1 Kd7  
 26. T6e4 f5  
 27. Se5+ Se5:  
 28. Te5: Lf6  
 29. Td5+ Kc7  
 30. Te6 Lg7  
 31. f4 a6  
 32. b5 a5  
 33. b6+  
 Schwarz gab auf.  
 1 : 0

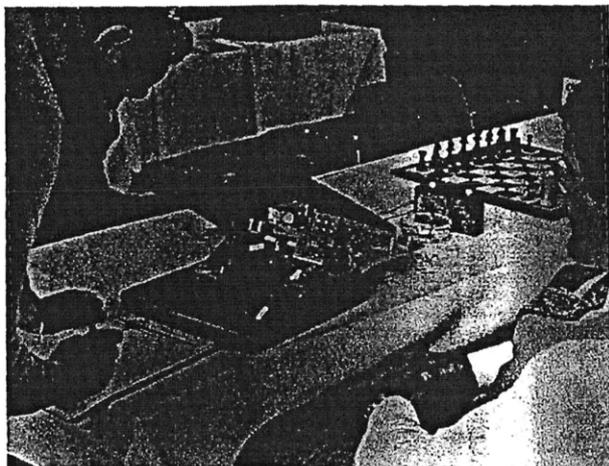
1. d4 Sc6  
 2. c4 e6  
 3. Sc3 d5  
 4. Lg5 Le7  
 5. Sf3 O-0  
 6. o3 Sbd7  
 7. Ld3 Sb6  
 8. o5 Sbd7  
 9. O-0 c6  
 10. b4 a5:  
 11. b5 cb5:  
 12. Sb5: Se4  
 13. Le7: De7:  
 14. Le4: do4:  
 15. Sd2 e5  
 16. Se4: ed4:  
 17. Dd4: Se5  
 18. Sbd6 Td8  
 19. Tfd1 Lg4  
 20. Td2 h5  
 21. f4 Sc6  
 22. Dc3 h4  
 23. h3 Lh5  
 24. Sf5 Df8  
 25. Sed6 Se7  
 26. Se7: +De7:  
 27. e4 Ta6  
 28. Sf5 Dc5: +  
 29. Dc5:  
 Schwarz gab auf.  
 1 : 0

5 Partien aus einer Simultanrunde:  
 "Welches ist die Computerpartie?"  
 wei0: Dr. Helmut Pfleger

5. 1. c4 o5  
 2. Sc3 f5  
 3. d3 Sf6  
 4. Sf3 d6  
 5. g3 Le7  
 6. Lg2 O-0  
 7. O-0 h6  
 8. Sh4 De8  
 9. e4 f4  
 10. Sf5 Kh7  
 11. d4 Sc6  
 12. de5: de5:  
 13. Sd5 Sd5:  
 14. cd5: Sd8  
 15. gf4: Lf5:  
 16. of5: of4:  
 17. Lf4: Dd7  
 18. Dc2 Lf6  
 19. Tfe1 Kh8  
 20. Tac1 Ld4  
 21. Le3 Le5  
 22. Lh6: Lh2: +  
 23. Kh2: Dd6+  
 24. Kg1 Dh6:  
 25. Te3 Df6  
 26. Dc7: Dh2:  
 27. Tic3 Sf7  
 28. f6 g5  
 29. Dh2+ Kg8  
 30. Le4 Tfd8  
 31. Dh7+  
 Schwarz gab auf.  
 1 : 0

2nd World Microcomputer Chess Championship

Photos were incorrectly printed in the October 1981 ICCA Newsletter.



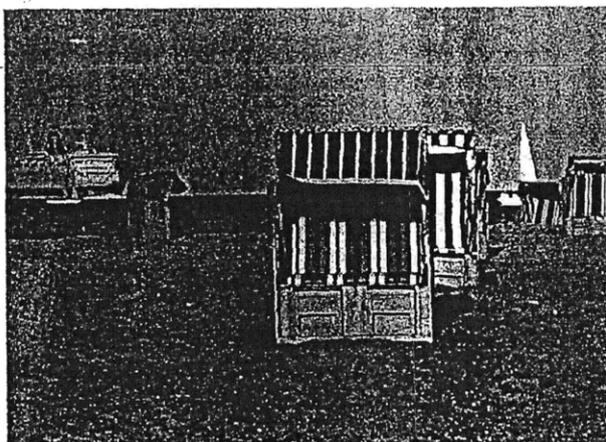
Each commercial unit was inspected by the Organizing Committee.



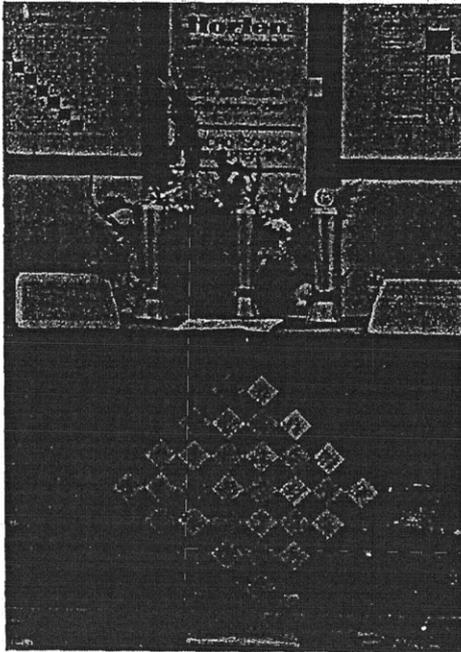
The commercial participants:  
Novag, Gabrielle Auge; Fidelity, Ron Nelson;  
Applied Concepts, Grady Porter; SciSys, Kevin O'Connell.



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



The Travemünde Beach



The trophies await the winners in Travemünde.



The Towers of Lubeck



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.