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T-Rex skull ^[2]

Rex,

a chess program written in 1985 by [Don Dailey](#) in [Pascal](#), supported by chess advisor [Sam Sloan](#), in 1987 superseded by [Larry Kaufman](#) ^[1]. In 1986, Don took the first big step by deciding to rewrite the program in [assembly language](#), which roughly tripled the speed. Also, he created a special rule based language for chess masters (i.e. [Larry Kaufman](#)) to use to "teach" Rex how to evaluate a position.

Rex played the [17th ACM Tournament](#) 1986 in Dallas, the [5th](#) and [6th World Computer Chess Championships](#) in Cologne 1986 and Edmonton 1989, and was forerunner of the commercial program [RexChess](#).

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Images & Games

Awit - Rex



[WCCC 1986](#), round 4, [Kaare Danielsen](#), [Tony Marsland](#), [Don Dailey](#), ..., [Sam Sloan](#), [Awit](#) - [Rex](#) ^[3] ^[4]

```
[Event "WCCC 1986"]
[Site "Cologne, Germany"]
[Date "1986.06.14"]
[Round "4"]
[White "Awit"]
[Black "Rex"]
[Result "1-0"]
```

```
1.b3 e5 2.Bb2 Nc6 3.e3 d5 4.Bb5 Qg5 5.Nf3 Qxg2 6.Rg1 Qh3 7.Bxe5 Bg4 8.
Rg3
Bxf3 9.Qxf3 Qh6 10.Qxd5 Ne7 11.Bxc6+ bxc6 12.Qf3 Nd5 13.Qg4 Qxh2 14.Bx
g7 Bxg7
15.Qxg7 Ke7 16.Qe5+ Kd7 17.Na3 Ne7 18.Qd4+ Ke6 19.Qe4+ Kd7 20.Rg7 Qh5
21.Nc4
Ke8 22.Ne5 f5 23.Qg2 Qh6 24.Nxc6 Nxc6 25.Rxc7 Kf8 26.Rxc6 Qg7 27.Rf6+
Qxf6
28.Qxa8+ Kf7 29.Qxa7+ Kf8 30.d4 Ke8 31.Ke2 Kf8 32.c4 h6 33.a4 Rg8 34.a
5 Rg7
35.Qc5+ Re7 36.a6 f4 37.a7 f3+ 38.Kf1 Kg8 39.a8=Q+ Kh7 40.Qh5 Rf7 41.R
```

a6 Kg7

42.Rxf6 Rxf6 43.Qe5 h5 44.Qxf3 1-0

Partie No. Round No. Date:			
5th WORLD COMPUTER CHESS CHAMPIONSHIP			
Cologne, Germany 11-13 June 1986			
White	Black	Result	Notes
1. 11	12		
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33.Kf2 Rxa3 34.h4 Nf6 35.Kf3 Rb3 36.g3 Nh5 37.Nh3 Nxg3 38.Nf4 Nf5 39.Nxd5
Rd3 40.h5 Nxd4+ 41.Kf4 Ne6+ 42.Kg4 Rxd5 43.Bxa7 Ra8 44.Rxe6 Rxa7 45.Re8+
Kh7 46.Re4 Raa5 47.Kf3 Rxh5 48.Ke3 Ra3+ 49.Kf4 Rh4+ 50.Ke5 Ra5+ 51.Kd4
Ra4+ 52.Kd5 Rhxe4 53.Kc5 Ra5+ 54.Kd6 Rd4+ 55.Ke6 Kg8 56.Ke7 Re5# 0-1

Quotes

USOCCC 1987

by [Larry Kaufman](#) from the [USOCCC 1987](#) report ^[10]:

As for Rex IV, by Don Dailey and myself, we were quite pleased to tie with [Fidelity Chessmaster](#) for top [PC](#), although they won in tiebreak points. Had [repetition detection](#) been added before the first round instead of after we would have picked up half a point then. Rex is unique in that it allows a chess master with minimal programming expertise (i.e. myself) to input chess knowledge directly into the program without bothering the programmer. Whether it will become commercial is not yet clear.

From Rex to Rexchess

by [Larry Kaufman](#) from *The Rexchess Story* ^[11]:

The next step forward came when [Novag's Dave Kittinger](#), Don and I jointly worked out how to do an effective [selective search](#) program. Dave put these ideas into the [Super Expert B](#) and [Super Forte B](#), while Don and I put them into Rex. So we decided to enter the [1989 World Computer Championship](#) in Edmonton, although the program was very incomplete and not fully debugged. We scored 2 out of 5, around the middle of the PC programs, although our 20 MHz [368](#) was one of the slower machines present. Soon thereafter, Don quit his job to devote 2 months full-time to completing Rex and adding features necessary for a commercial program.

See also

- [Nobility](#)
- [Reptile](#)

- [RexChess](#)

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Chess Program

- [Rex's ICGA Tournaments](#)

Misc

- [Rex disambiguation page from Wikipedia](#)
- [King of Rome from Wikipedia](#)
- [rex \(programming language\) from Wikipedia](#)

References

1. [^] [Don Dailey, 1956-2013](#) by [Larry Kaufman](#), [CCC](#), November 23, 2013
2. [^] Close up of "Sue" T-Rex replica skull at the [Field Museum of Natural History](#) in [Chicago, IL.](#), by Scott Robert Anselmo, November 09, 2009, [Tyrannosaurus from Wikipedia](#)
3. [^] [WCCC 1986 Video](#) 9:16
4. [^] [Cologne 1986 - Chess - Round 4 - Game 1 \(ICGA Tournaments\)](#)
5. [^] [Index of /~tony/Public/Awit-Wita-ComputerChess/5thWCCC-Cologne1986](#)
6. [^] [r4-awit-rex.txt](#) by [Tony Marsland](#)
7. [^] [Cheating in the World Computer Chess Championship](#) by [Sam Sloan](#), [rec.games.chess.misc](#), March 11, 1999
8. [^] [WCCC 1986 Video](#) 1:15
9. [^] [Cologne 1986 - Chess - Round 5 - Game 11 \(ICGA Tournaments\)](#)
10. [^] [Larry Kaufman](#) (1988). *U.S. Open Computer Chess Championship*. [Computer Chess Reports](#) 1987-1988, pp. 21
11. [^] [Larry Kaufman](#) (1990). *The Rexchess Story*. [Computer Chess Reports Quarterly](#). Vol. 1, No. 1, pp. 8, [Chess Computer UK](#) by [Mike Watters](#)

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