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The Great Sphinx partially excavated ^[5]

CXG Sphinx,

a [dedicated chess computer](#) series manufactured by [Newcrest Technology Ltd.](#), [Hong Kong](#) under the brand name CXG ^[1] ^[2]. The **1987** models *CXG Sphinx 40* ^[3] and *CXG Sphinx 50* ^[4] with [magnetic sensory board](#) were the flagships with [68000](#) processor and a program supplied by [David Levy](#) from [Intelligent Software's](#) estate. It was based on [Cyrus 68K](#) written by [Mark Taylor](#) advised by Levy.

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The Great Sphinx

The 16-bit Sphinx by [Mark Taylor](#) applied the [SEX Algorithm](#), [fractional extensions](#) and [reductions](#), most notably already a kind of [LMR](#), considering forced [tactical moves](#) such as [checks](#), [captures](#), and [mate threats](#) ^[6]. The Sphinx, running on a [68020](#) processor, played the Manufacturers group of the [WMCCC 1987](#) in [Rome](#) with three incarnations, and had a hard time versus three [Mephisto Roma](#) by [Richard Lang](#), while the games were more closely than the results suggested ^[7]. CXG Sphinx further played [Aegon 1988](#) and [Aegon 1989](#).



CXG Sphinx 40 ^[8]

Selected Games

[WMCCC 1987](#), round 6, [Newcrest Technology Sphinx C](#) - [Mephisto Roma A](#) ^[9]

```
[Event "WMCCC 1987 (Manufacturers)"]
[Site "Rome, Italy"]
[Date "1987.09.19"]
[Round "6"]
[White "Newcrest Technology Sphinx C"]
[Black "Mephisto Roma A"]
[Result "0-1"]
```

1.d4 d5 2.c4 dxc4 3.Nf3 Nf6 4.e3 Bg4 5.Bxc4 e6 6.h3 Bh5 7.Nc3 a6 8.a3
c5
9.d5 b5 10.Ba2 c4 11.dxe6 Qxd1+ 12.Nxd1 fxe6 13.Ng5 Bxd1 14.Kxd1 e5 15
.Bb1
Nbd7 16.Ne6 Rc8 17.Nxf8 Rxf8 18.Ke2 Nc5 19.Rd1 e4 20.f4 Nd3 21.Ra2 Nh5
22.Kd2
Ng3 23.Ra1 g5 24.Kc2 gxf4 25.exf4 Ne2 26.Be3 Nexf4 27.Rf1 Nxg2 28.Rxf8
+ Kxf8
29.Bh6+ Kf7 30.Kc3 Rc5 31.Bc2 Rh5 32.Rf1+ Ke6 33.Bg7 Rxh3 34.Kd4 Rg3 3
5.Bh6
Nh4 36.Kxe4 Rg4+ 37.Ke3 Nf5+ 0-1

8-Bit Sphinx

Titan

The unrelated 8-bit *CXG Sphinx Titan* ^[10], the first Sphinx, was already released in **1986**. The program was based on [Enterprise](#) by [Kaare Danielsen](#) running on the [6800](#) compatible *Newcrest 6301Y* controller, quite similar to the [CXG Advanced Star Chess](#) and *CXG Super Enterprise* models ^[11].

Galaxy & Dominator

The medium class [6502 Sphinx Galaxy](#) ^[12] and *Sphinx Dominator* ^[13] were based on [Nona](#) or even [Quest](#) by [Frans Morsch](#), released in **1989**. Interesting to recognize is the fact that all three original programs, [Cyrus 68K](#), [Nona](#) and [Enterprise](#) played the [WCCC 1986](#) in Cologne.

Concerto, Legend & Accolade

In the early 90s there were various Sphinx programs based on [Gyula Horváth's Pandix](#) adapted for the [H8](#) processor, *Concerto*, *Legend* and *Accolade* ^[14].

See also

- [Anubis](#)
- [CHEOPS](#)
- [Cyrus 68K](#)

- [Enterprise](#)
- [Mythology](#)
- [Nona](#)
- [Pandix](#)
- [Quest](#)
- [SEX Algorithm](#)
- [Sfinks](#)

Forum Posts

- [CXG Sphinx Accolade](#) by klute, [Hiarcs Forum](#), August 06, 2008
- [Collector's Corner..The Riddle Of The Sphinx](#) by [Steve Blincoe](#), [Hiarcs Forum](#), October 29, 2011
- [Collector's Corner..What Does A collector Do In A Blizzard?](#) by [Steve Blincoe](#), [Hiarcs Forum](#), February 09, 2013 ^[15]
- [Horvath Play Styles](#) by [Spacious Mind](#), [Hiarcs Forum](#), December 27, 2014

External Links

- [Newcrest Technology Sphinx's ICGA Tournaments](#)
- [Chess Computers - The UK Story](#) from [Chess Computer UK](#) by [Mike Watters](#)
- [Dans la famille CXG , je veux...](#) from [blitzchess.fr](#) by [Eric Belot](#) (French)
- [Die Akte Sphinx](#), Articles by [Thomas Mally](#), [Modul](#) 1988-1991, hosted by [Schachcomputer.info Wiki](#) (German)

CXG Sphinx Timeline

^[16]

Year	Model	Processor	MHz	ROM KB	RAM KB	Author
1986	CXG Sphinx Titan	6301Y		8	16 2.25	Kaare Danielsen
1987	CXG Sphinx 40	68000		8	16 256	Mark Taylor
	CXG Sphinx 50	68000		8	16 256	Mark Taylor
1989	CXG Sphinx Dominator	6502		4	32 8	Frans Morsch
	CXG Sphinx Galaxy	6502		4	32 8	Frans Morsch

1992	CXG Sphinx Accolade	H8	10	32	1	Gyula Horváth
	CXG Sphinx Concerto	H8	10	32	1	Gyula Horváth
	CXG Sphinx Legend	H8	10	32	1	Gyula Horváth
	CXG Sphinx Seville	HD614042SJ02	3.58	4	1/8	Mark Taylor

Sphinx

- [Sphinx from Wikipedia](#)
- [Sphinx \(disambiguation\) from Wikipedia](#)
- [Great Sphinx of Giza from Wikipedia](#)

Misc

- [The Infernal Machine \(play\) from Wikipedia](#) ([Jean Cocteau](#))

References

1. [^] [CXG Electronic Chess Computers](#) from [The Spacious Mind](#)
2. [^] [CXG](#) from [Schachcomputer.info Wiki](#)
3. [^] [CXG Sphinx 40](#) from [Schachcomputer.info Wiki](#) (German)
4. [^] [CXG Sphinx 50](#) from [Schachcomputer.info Wiki](#) (German)
5. [^] The Great Sphinx partially excavated, published between 1867 and 1899. Most probably in De l'Égypte et de la Nubie, vol. 1-2, éd. Bonfils, Alais (Alès, FR), 1878., [Great Sphinx of Giza from Wikipedia](#)
6. [^] [David Levy](#), [David Broughton](#), [Mark Taylor](#) (1989). *The SEX Algorithm in Computer Chess*. [ICCA Journal](#), Vol. 12, No. 1
7. [^] [Kaare Danielsen](#) (1987). *The 7th World Microcomputer Chess Championship, Rome, Italy, September 14-20, 1987*. [ICCA Journal](#), Vol. 10, No. 3
8. [^] [The Ultra Rare Collection](#) by [Chewbanta](#)
9. [^] [Rome 1987 - Chess \(Manufacturers\) - Round 6 - Game 1 \(ICGA Tournaments\)](#)
10. [^] [CXG Sphinx Titan](#) from [Schachcomputer.info Wiki](#) (German)
11. [^] [CXG Super Enterprise](#) from [Schachcomputer.info Wiki](#) (German)
12. [^] [CXG Sphinx Galaxy](#) from [Schachcomputer.info Wiki](#) (German)
13. [^] [CXG Sphinx Dominator](#) from [Schachcomputer.info Wiki](#)
14. [^] [Horvath Play Styles](#) by [Spacious Mind](#), [Hiarcs Forum](#), December 27, 2014
15. [^] [February 2013 nor'easter from Wikipedia](#)
16. [^] List of computers from [Schachcomputer.info Wiki](#)

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Aegon 1989	Jan 22, 2017
Anubis	Sep 29, 2015
Brainstorm	Jun 24, 2017
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CXG Sphinx	Jun 23, 2017
CXG Star Chess	Jun 23, 2017
Cyrus 68K	Jan 7, 2016
David Levy	Jan 3, 2017
Engines	Mar 10, 2018
Enterprise	Jun 23, 2017
Gyula Horváth	Jan 7, 2016
Mark Taylor	Jan 7, 2016
Mephisto Roma	Sep 1, 2017
Netherlands-vs-Computers-1989	Mar 10, 2017
Newcrest Technology	Jan 26, 2016
Nona	Jan 7, 2016
Quest	Mar 26, 2017
SEX Algorithm	Nov 25, 2014
Sfinks	Dec 25, 2017
Thomas Mally	Dec 30, 2017
WMCCC 1987	Jan 7, 2016

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