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[Paul Morphy](#) ^[5]

Morphy,

a chess program by primary author [John Aker](#) ^[1] for the [dedicated chess computer module systems Great Game Machine](#) by [Applied Concepts](#) and the [Chafitz Modular Game System](#). The program, written in [6502 assembly](#) is derived from [Boris Experimental](#), which on the other hand was a continued development of the [Boris 2.5](#) aka [Sargon 2.5](#) program by [Kathe](#) and [Dan Spracklen](#) ^[2]. Morphy appeared in 1981, and was intended to play the [middlegame](#), in conjunction with the during game play exchangeable [Gruenfeld](#) and [Capablanca](#) cartridges.

The trio played the commercial section of the [WMCCC 1981](#), as well the open section as *Applied Concepts X*, both finishing last ^[3]. The Applied Concepts personal withdrew both entries after some rounds, due to a bug in the [Capablanca](#) module ^[4].

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Morphy Edition

Excerpt taken from the Morphy Edition Module User Manual printed in 1981 ^[6]

Your new game cartridge reflects the latest state of the art enhancements to high-level strategy game play. Your Morphy Edition of Master Chess is the most recent of a long list of world famous chess programs developed by Applied Concepts, Inc. This MORPHY EDITION is one of the strongest chess programs commercially available today; and, when played in conjunction with its companion cartridges - Gruenfeld Edition of opening book moves and Capablanca Edition of end-game strategies - on the Great Game Machine's contiguous play function, it is absolutely unmatched in strength of play and strategic excellence!

Gruenfeld



[Ernst Grünfeld](#) ^[10]

The *Gruenfeld Edition* (1981/1982) was a chess [opening](#) module for the [Great Game Machine](#), [Chafitz Modular Game System](#) and compatibles. It contained an [opening book](#) by chess master [John Jacobs](#) ^[7] and a control program by [David Slate](#) and [Larry Atkin](#) ^[8].

The Gruenfeld opening cartridge was made available in June 1981, and covers openings up to move 20. When the book is exhausted, the system gives a signal, to remove and replace it with Morphy [\[9\]](#).

Capablanca



[José Raúl Capablanca](#) ^[14]

The *Capablanca Edition* (1981/1982) was an [endgame](#) module for the [Great Game Machine](#) and the [Chafitz Modular Game System](#), programmed by [David Slate](#) and [Larry Atkin](#). The Capablanca module was part of the trio around the Morphy program [\[11\]](#).

The endgame starts when the [material count](#) is less than about 25, counting a queen as 9, a rook as 5, and so on. When this point has been reached, Morphy also gives a signal. Morphy can continue switching in extra end-game routines, or alternatively, Morphy can be taken out and the Capablanca cartridge inserted for a powerful finish. Capablanca has been available since October 1981 [\[12\]](#). Capablanca was later converted to become the [Steinitz](#) module for [Great Game Machine](#), and [Chess 7.0](#) for the [Apple II](#), [Atari 800](#), and [Commodore 64](#). Even later it became "How About a Nice Game of Chess" for the Apple IIe [\[13\]](#).

See also

- [6502](#)
- [Applied Concepts](#)
- [Chafitz](#)
- [Chess legends](#)
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Publications

[\[15\]](#)

- [Harry Shershow](#) (1981). *Two New Units In Action*. [Personal Computing, Vol. 5, No. 2](#), pp. 91 » [MCC 1980](#), [John Aker](#)
- Larry Cohen (et al.) (1981). *A Guide to Home Chess Computers*. PMK Associates 1981
- [Jan Louwman](#) (1981). *Morphy + Great Game Machine*. 06/07-1981, Databus, p. 26-36
- [John F. White](#) (1982). *Review-Morphy V Champion*. [Your Computer](#), [January 1982](#)

External Links

- [Gruenfeld/Morphy/Capablanca's ICGA Tournaments](#)
- [Chafitz Morphy Module Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Chafitz Morphy Encore Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Chafitz Gruenfeld Module Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Chafitz Capablanca Module Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Chafitz Morphy Encore](#) from [Schachcomputer.info Wiki](#) (German)
- [Chafitz Grünfeld Eröffnungsmodul](#) from [Schachcomputer.info Wiki](#) (German)
- [Chafitz Capablanca Edition](#) from [Schachcomputer.info Wiki](#) (German)
- [Shakhmatnaya goryachka \(Chess Fever\)](#), 1925, [YouTube](#) Video

References

1. [^](#) [Re: Collector's Corner..The Dedicated Chess Computer Chronicles](#) by [Steve B](#), [CCC](#), November 20, 2005
2. [^](#) [Applied Concepts - Morphy Edition Master Chess \(module\)](#) (pdf) by [Hein Veldhuis](#)
3. [^](#) [Gruenfeld/Morphy/Capablanca's ICGA Tournaments](#)
4. [^](#) [David Levy](#) and [Kevin O'Connell](#) (1981). *A New World Champion*. Chess, October/November 1981, [Publication Archive](#) from [Chess Computer UK](#) by [Mike Watters](#)
5. [^](#) [Paul Morphy](#) from [Wikipedia](#)
6. [^](#) [Chafitz Morphy Module Electronic Chess Computer](#) from [The Spacious Mind](#)
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13. [^](#) [chess 7.0](#) by [Will Singleton](#), [CCC](#), October 16, 2008
14. [^](#) [José Raúl Capablanca](#) from [Wikipedia.de](#) (German)
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