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[Eugène Delacroix - La Liberté guidant le peuple](#) ^[2]

Freedom,

a chess program by [Nils Barricelli](#). It participated at the [First World Computer Chess Championship](#) 1974 in [Stockholm](#), running on a [CDC Cyber 74](#). It lost versus the strong [CHAOS](#) and [Ribbit](#) in round 1 and 2 respectively, and had a lucky draw from [Tell](#).

Barricelli, at that time affiliated with the [Oslo University](#) ^[1], had already experience in chess programming for his [Symbioorganisms](#) experiments at [University of Manchester](#) in 1962, where [Alex Bell](#) worked for him and wrote his first [legal-move generator](#). Freedom's [evaluation](#) was primary based on the ratio of own and opponents [mobility](#) aka number of [legal moves](#).

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Quotes

[Tony Marsland](#) mentioned Freedom, [Papa](#) and other programs participating the [WCCC 1974](#) in his handwritten notes ^[3] on the [Hayes](#) and [Levy](#) book ^[4]:

[Freedom](#) and [Papa](#) both use [mobility](#) as their primary term in their [evaluation functions](#). As with [Wita](#), both use the ratio of computer's moves / opponent moves. Papa and Wita also multiply by the ratio of the squares controlled and Papa goes one step further and takes the logarithm of this product to form the "[entropy](#)" of the position. The true merit of this entropy over the product ratio was not made clear, but it does ensure that in extreme situations the evaluation remains more closely bounded.

Freedom vs. CHAOS

[WCCC 1974](#), round 1, [Freedom](#) - [CHAOS](#) ^[5]:

```
[Event "WCCC 1974"]
[Site "Stockholm, Sweden"]
[Date "1974.08.05"]
[Round "1"]
[White "Freedom"]
[Black "CHAOS"]
[Result "0-1"]
```

```
1. d4 Nf6 2. c4 e6 3. c5 d6 4. cxd6 Qxd6 5. Nc3 Nc6 6. e3 Bd7 7. Bb5 B
e7
8. Nh3 O-
O 9. Kf1 e5 10. Bd2 exd4 11. exd4 Bxh3 12. gxh3 Nxd4 13. Bc4 Qc6
14. Bd5 Nxd5 15. Nxd5 Qxd5 16. Rg1 Nf3 17. Rxg7+ Kh8 18. Ke2 Qe4+ 19.
Kf1
Kxg7 20. Bc3+ f6 21. Kg2 Nh4+ 22. Kf1 Qg2+ 23. Ke2 Qe4+ 24. Kf1 Qh1+
25. Ke2 Qf3+ 26. Kf1 Qxd1+ 27. Rxd1 Bd6 28. Rd5 Bxh2 0-1
```

External Links

Chess Program

- [Freedom's ICGA Tournaments](#)

Misc

- [Freedom \(disambiguation\) from Wikipedia](#)
- [Liberty from Wikipedia](#)
- [Political freedom](#)
- [Freedom of religion](#)
- [Freedom of thought](#)
- [Freedom of speech](#)
- [Freedom of assembly](#)
- [Freedom of movement](#)
- [Social mobility](#)
- [Economic freedom](#)
- [Scientific freedom](#)
- [Academic freedom](#)
- [Freedom™ - Daemon \(technothriller series\) from Wikipedia](#)
- [Passport](#) [[Doldinger](#) Jubilee Concert - 1974] - [Freedom Jazz Dance](#), [YouTube](#) Video
[Klaus Doldinger](#), [Johnny Griffin](#), [Kristian Schulze](#), [Brian Auger](#) , [Volker Kriegel](#), [Alexis Korner](#),
[Wolfgang Schmid](#), [Curt Cress](#), [Pete York](#)
- [Brian Auger 's Oblivion Express](#) - [Freedom Jazz Dance](#), [Fano Jazz by the Sea 2014](#), [Fano](#),
[YouTube](#) Video

References

1. [^](#) [Freedom's ICGA Tournaments](#)
2. [^](#) [Eugène Delacroix](#), [La Liberté guidant le peuple](#) 1830, oil on canvas, Romantic history painting.
[Commemorates the French Revolution of 1830](#), [Musée du Louvre](#)
3. [^](#) [wita-awit#19-box2.pdf](#) from [Wita Notes](#) by [Tony Marsland](#)
4. [^](#) [Jean E. Hayes](#), [David Levy](#) (1976). [The world computer chess championship, Stockholm 1974](#).
University Press (Edinburgh) ISBN 0852242859
5. [^](#) [Stockholm 1974 - Chess - Round 1 - Game 5 \(ICGA Tournaments\)](#)

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[wiedza-zebina : nb Nils Aall Barricelli](#)

Date Edited

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