

## Table of Contents

[ACM 1974](#)

[Selected Games](#)

[Chess](#)

[Ostrich](#)

[External Links](#)

[References](#)

[What links here?](#)

[Home](#) \* [Engines](#) \* **Dart**

**Dart**, (Dart 4.1)

a chess program developed at [Dartmouth College](#) as successor of [Dartmouth CP](#) by a team around [Larry Harris](#) and primary author [Warren Montgomery](#), supported by [Danny Kopec](#), [Hal Terrie](#), and [David Levner](#) et al. <sup>[1]</sup> <sup>[2]</sup>. Dart was written in [GCOS assembly](#), the language for the [GE-635](#), to run under the [Dartmouth Time Sharing System](#).

## ACM 1974

Dart 4.1 played the [ACM 1974](#) in [San Diego](#), where it lost from [Chess 4.2](#) and [CHAOS](#), and won from [Xenarbor](#) and [Ostrich](#).

## Selected Games

### Chess

[ACM 1974](#), round 1, [Dart 4.1](#) - [Chess 4.2](#)

```
[Event "ACM 1974"]  
[Site "San Diego USA"]  
[Date "1974.11.10"]
```

[Round "1"]

[White "Dart 4.1"]

[Black "Chess 4.2"]

[Result "0-1"]

1.e4 e5 2.f4 exf4 3.Nf3 g5 4.Nc3 g4 5.Ne5 Qh4+ 6.g3 fxg3 7.Qxg4 g2+ 8.Qxh4  
gxh1=Q 9.Qh5 Bb4 10.Nxf7 Nf6 11.Nd6+ Kd8 12.Nf7+ Ke7 13.Nd5+ Nxd5 14.Nxh8 Qxe4+  
15.Be2 Nf4 16.Qg5+ Kf8 17.Qg4 Bd6 18.Qf3 Qxe2+ 19.Qxe2 Nxe2 20.Kxe2 Bxh2 21.d3 Be5  
22.Bh6+ Ke7 23.Bg5+ Ke6 24.Rf1 Bxh8 25.Rf8 Bxb2 26.Rxc8 Be5 27.Re8+ Kd6 28.Rf8 h5  
29.c4 c6 30.a4 b6 31.Rf7 Na6 32.Ke3 Nc5 33.a5 Rg8 34.Bh4 bxa5 35.Kd2 Rg2+ 36.Ke3  
Bd4+ 37.Kxd4 Rg4+ 38.Kc3 Rxh4 39.Rf6+ Ke5 40.Rf3 a4 41.Re3+ Kd6 42.Kd2 a3 43.Rg3  
a2 44.Rg1 a1=Q 45.Rxa1 Nb3+ 46.Kc3 Nxa1 47.Kb2 Rh1 48.Kc3 Ke5 49.c5 Rh2 50.Kc4 a5  
51.d4+ Ke4 52.Kc3 Rc2# 0-1

## Ostrich

[ACM 1974](#), round 3, [Dart 4.1](#) - [Ostrich](#)

[Event "ACM 1974"]

[Site "San Diego USA"]

[Date "1974.11.11"]

[Round "3"]

[White "Dart 4.1"]

[Black "Ostrich"]

[Result "1-0"]

1.e4 d5 2.Nc3 dxe4 3.Nxe4 Nd7 4.Nf3 e6 5.Be2 Nh6 6.O-O Be7 7.d4 O-O 8.Bxh6 gxh6  
9.c4 Nb6 10.Qc1 f5 11.Nc3 Bg5 12.Qc2 a5 13.Rfe1 Bf6 14.Rad1 Bd7 15.c5 Nc8 16.Bc4  
Qe8 17.Qb3 Kg7 18.Qxb7 Ra7 19.Qb3 Kf7 20.Bxe6+ Bxe6 21.d5 Ra6 22.dxe6+ Kg6 23.Qc4  
Rc6 24.Ne5+ Bxe5 25.Rxe5 Nb6 26.Qd4 Nc8 27.Rde1 Ne7 28.Qa4 Rf6 29.f4 Qa8 30.Qd4  
Qb7 31.Nd5 Rcxe6 32.Rxe6 Nxd5 33.Rxf6+ Nxf6 34.Re6 Qe4 35.Qxf6+ Kh5 36

.Rxe4 Kg4  
37.Qg7+ 1-0

## External Links

- [Dart \(disambiguation\) from Wikipedia](#)
- [Dart \(programming language\) from Wikipedia](#)
- [Dart \(missile\) from Wikipedia](#)

## References

1. <sup>^</sup> [The Dartmouth Computing Timeline - The 1970s - 1973 - Chess Program in Tournament](#)
2. <sup>^</sup> [Danny Kopec \(1977\)](#). *Recent developments in computer chess*. Fimbush News 7 Edinburgh: Machine Intelligence Research Unit, [University of Edinburgh](#) (ed. [Donald Michie](#)), [pdf](#) - Work at Dartmouth College

## What links here?

| Page                              | Date Edited  |
|-----------------------------------|--------------|
| <a href="#">ACM 1974</a>          | Jan 19, 2018 |
| <a href="#">Dart</a>              | Jan 19, 2018 |
| <a href="#">Dartmouth College</a> | Dec 16, 2016 |
| <a href="#">Engines</a>           | Mar 10, 2018 |
| <a href="#">Honeywell 6000</a>    | Jan 19, 2018 |
| <a href="#">Larry Harris</a>      | Apr 3, 2013  |
| <a href="#">Warren Montgomery</a> | Feb 19, 2015 |

[Up one Level](#)