

2023

PC Chairs:
Alexander Nadel & Kristin Yvonne Rozier



Reiman Gardens, Ames, Iowa, USA



Reiman Gardens, Ames, Iowa, USA



Reiman Gardens, Ames, Iowa, USA



Ames, Iowa: A History of Computing!



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Atanasoff–Berry computer

From Wikipedia, the free encyclopedia

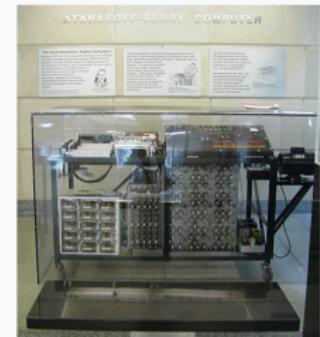
The **Atanasoff–Berry computer** (ABC) was the first automatic electronic [digital computer](#).^[1] Limited by the technology of the day, and execution, the device has remained somewhat obscure. The ABC's priority is debated among historians of computer technology, because it was neither [programmable](#), nor [Turing-complete](#).^[2] Conventionally, the ABC would be considered the first electronic ALU ([arithmetic logic unit](#)) – which is integrated into every modern processor's design.

Its unique contribution was to make computing faster by being the first to use [vacuum tubes](#) to do the arithmetic calculations. Prior to this, slower electro-mechanical methods were used by [Konrad Zuse's Z1](#), and the simultaneously developed [Harvard Mark I](#). The first electronic, programmable, digital machine,^[3] the [Colossus computer](#) from 1943 to 1945, used similar tube-based technology as ABC.

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Atanasoff–Berry computer (ABC)



Atanasoff–Berry computer replica at Durham Center, Iowa State University

Developer [John Vincent Atanasoff](#) with help of graduate student [Clifford Berry](#)

Release 1942; 80 years ago

Ames, Iowa: A Fun Place for a Conference!

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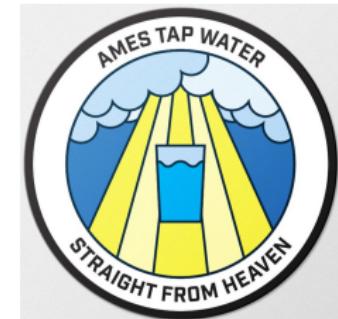
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Water so tasty it spawned a video and merchandise: How an Ames utility got online notoriety

**Danielle Gehr**

Ames Tribune

Published 5:45 a.m. CT Oct. 4, 2021



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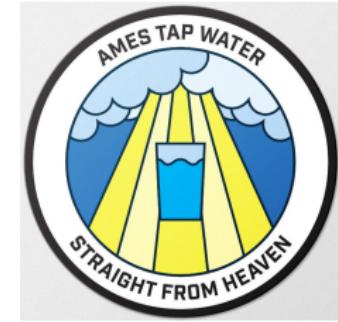
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Reiman Gardens: Garden Room



Reiman Gardens: Garden Room



Productive Coffee Breaks



Productive Coffee Breaks



Potential Dates



September 25–29
OR
October 2–6
OR
October 23–27

Questions?

FMCAD 2023: Coming end of September or end of October



“Hooray for Ames!”

<https://www.youtube.com/watch?v=02SkbabLUyI>