

Marvin Minsky

Born: August 9, 1927, New York City, New York, U.S

Death: January 24, 2016 Boston, Massachusetts, U.S.

Nationality: American

Field: Cognitive science, Computer science, Artificial intelligence, Philosophy of mind

Education: Harvard University (B.A., 1950); Princeton University (Ph.D., 1954)

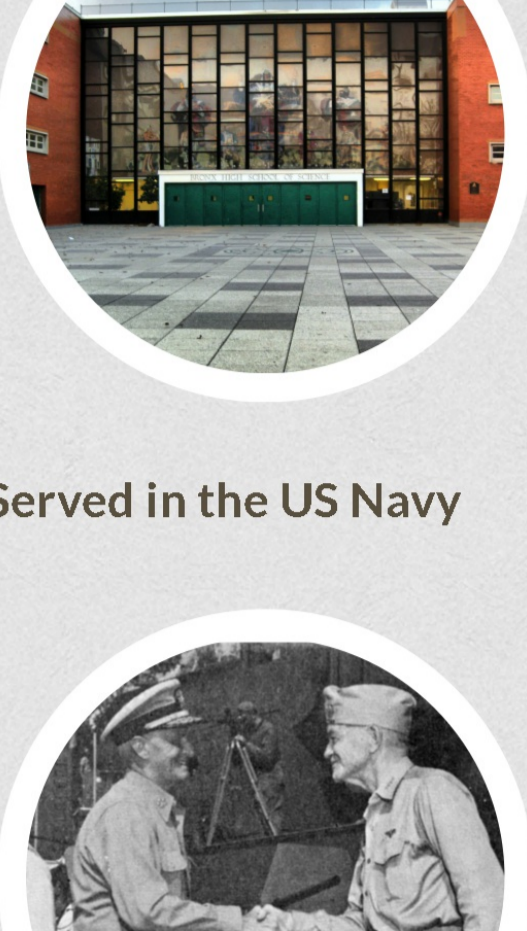

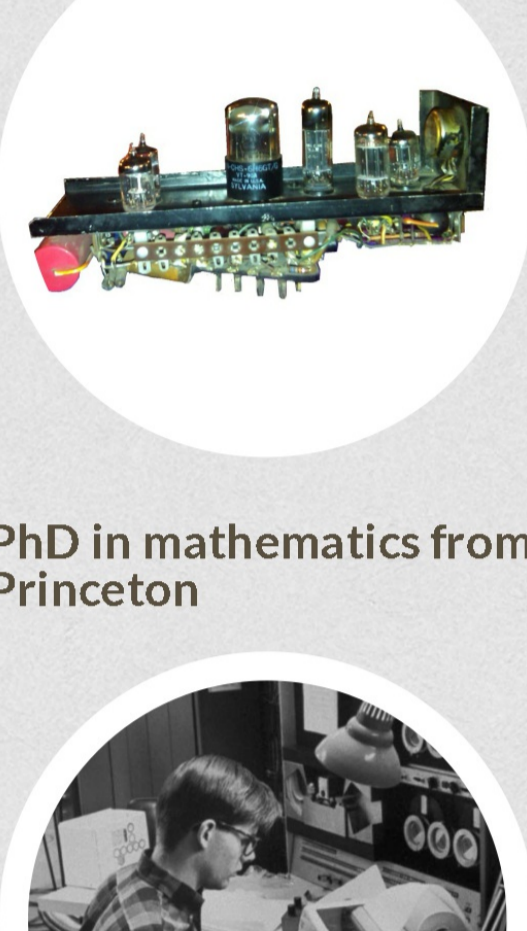
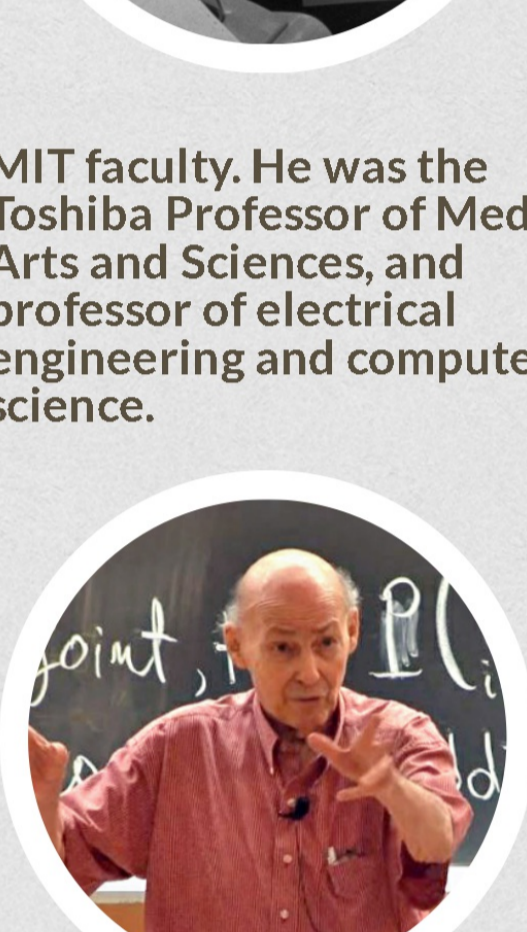



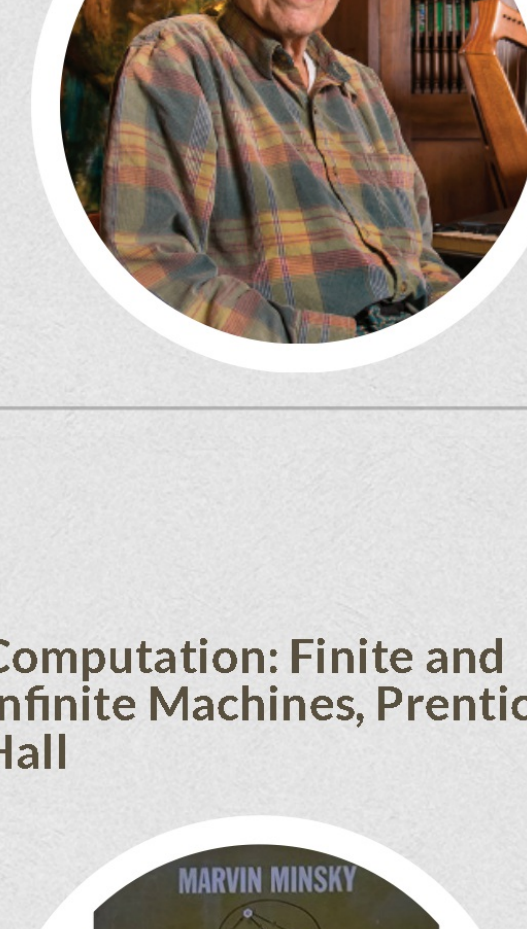

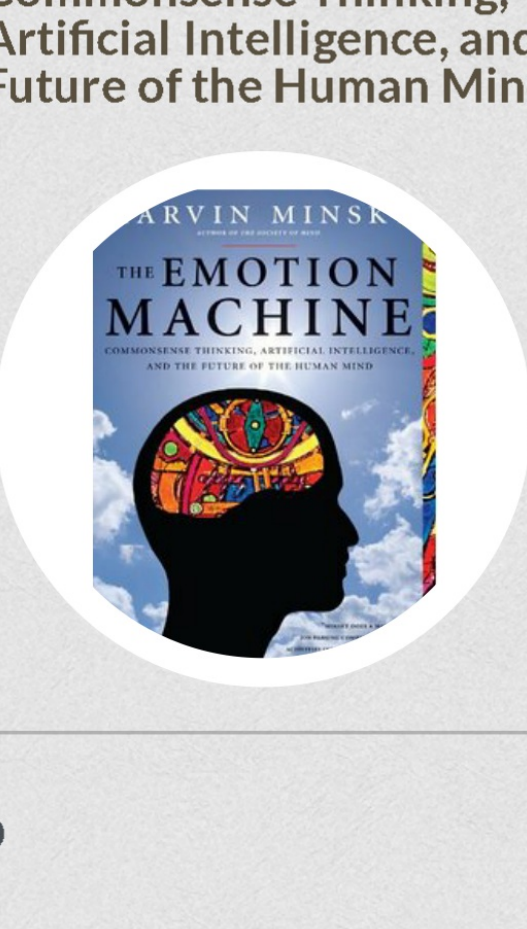
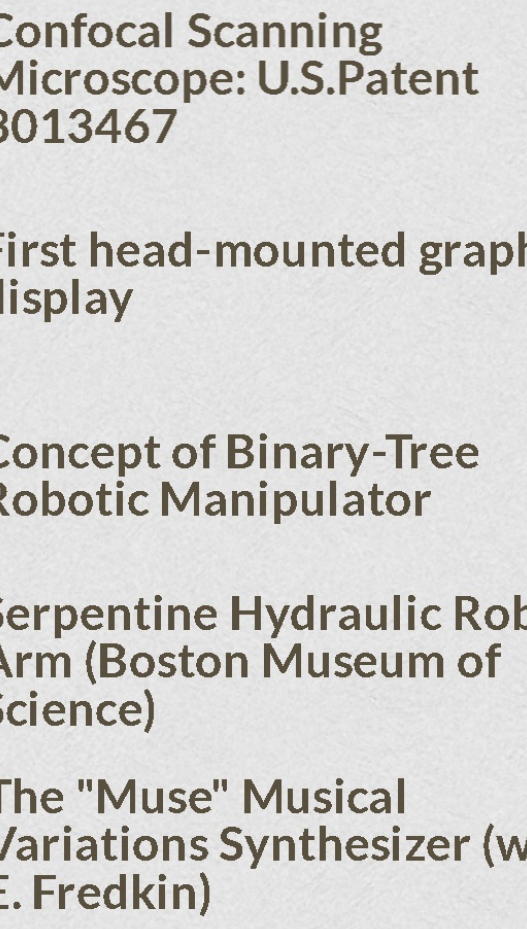

QUOTE

You don't understand anything until you learn it more than one way

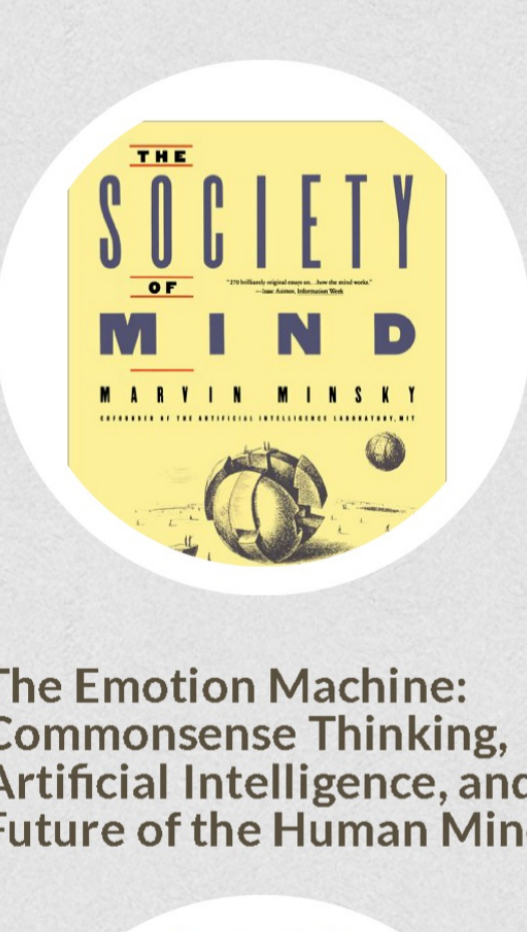
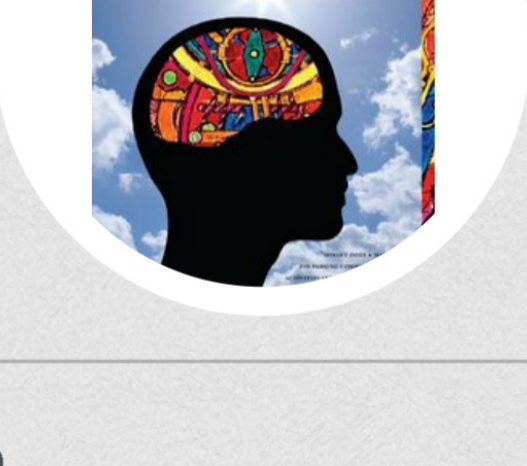
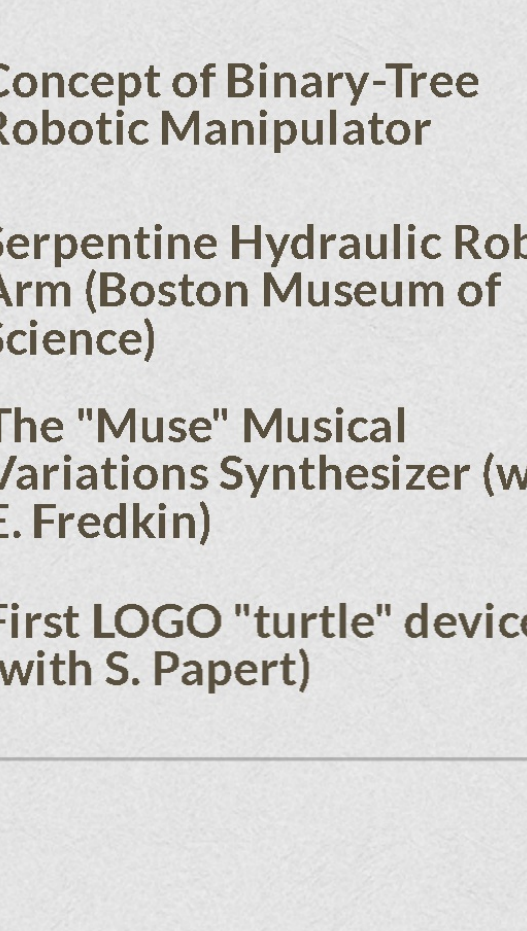
No computer has ever been designed that is ever aware of what it's doing; but most of the time, we aren't either

Kubrick's vision seemed to be that humans are doomed, whereas Clarke's is that humans are moving on to a better stage of evolution.

TIMELINE

- AUGUST 9, 1927** **Birth**
 New York City, New York, U.S in a Jewish family

- 1944** **Bronx High School of Science, New York**

- 1944-1945** **Served in the US Navy**

- 1950** **Received bachelors in Mathematics from Harvard**

- 1951** **Developed the first randomly wired neural network learning machine, SNARC**

- 1954** **PhD in mathematics from Princeton**

- 1958 (till death)** **MIT faculty. He was the Toshiba Professor of Media Arts and Sciences, and professor of electrical engineering and computer science.**

- 1959** **Founded the MIT Computer Science and Artificial Intelligence Laboratory along with John McCarthy**

- 1963** **Invented the first head-mounted graphical display**

- 1968** **Developed robot arm called the Tentacle Arm. It moved like an octopus.**

- 1969** **Developed the first Logo "turtle", with Seymour Papert**

- January 24, 2016** **Died at aged 88 due to cerebral haemorrhage**


BOOKS

- 1967** **Computation: Finite and Infinite Machines, Prentice-Hall**

- 1986** **The Society of Mind**

- 2006** **The Emotion Machine: Commonsense Thinking, Artificial Intelligence, and the Future of the Human Mind**


INVENTIONS AND PATENTS

- 1951** **SNARC: First Neural Network Simulator**
- 1955** **Confocal Scanning Microscope: U.S. Patent 3013467**
- 1963** **First head-mounted graphical display**
- 1963** **Concept of Binary-Tree Robotic Manipulator**
- 1967** **Serpentine Hydraulic Robot Arm (Boston Museum of Science)**
- 1970** **The "Muse" Musical Variations Synthesizer (with E. Fredkin)**
- 1972** **First LOGO "turtle" device (with S. Papert)**

AWARDS

- 1969** **Turing Award**
- 1990** **Japan Prize**
- 1991** **IJCAI Award for Research Excellence**
- 2001** **Benjamin Franklin Medal**
- 2006** **Inducted as a Fellow of the Computer History Museum "for co-founding the field of artificial intelligence, creating early neural networks and robots, and developing theories of human and machine cognition"**
- 2011** **Inducted into IEEE Intelligent Systems' AI's Hall of Fame for the "significant contributions to the field of AI and intelligent systems"**
- 2013** **BBVA Foundation Frontiers of Knowledge Award**
- 2014** **Dan David Prize**

MOVIES

He was an adviser on Stanley Kubrick's film 2001: A Space Odyssey; one of the film's characters, Victor Kaminiski, was named in Minsky's honor and Minsky himself is mentioned in the movie and in Arthur C. Clarke's tie-in novel:

