

# Artists React To Alan Turing



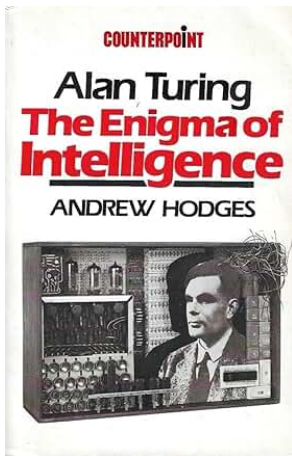
Monday, December 1

## Preview of Coming Attractions

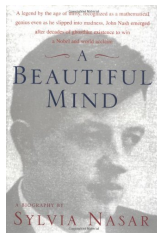
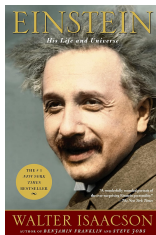
- ▶ Registration Check
- ▶ Discussion of Updegrove's Novel
- ▶ TODAY: Artists React To Alan Turing's Life and Work
- ▶ TONIGHT: *The Imitation Game*
- ▶ Presentations of Term Projects
- ▶ Course Response Forms

# The Imitation Game

## The Real and Reel Life of Mathematicians



## Reel Life Takes Over Real Life





Alan  
Turing



Joan Clarke



Hugh  
Alexander



John  
Cairncross



Stewart  
Menzies



Alexander  
Denniston



Peter  
Hilton



Benedict  
Cumberbatch  
Alan Turing



Keira Knightley  
Joan Clarke



Matthew Goode  
Hugh Alexander



Allen Leech  
John Cairncross



Mark Strong  
Stewart Menzies

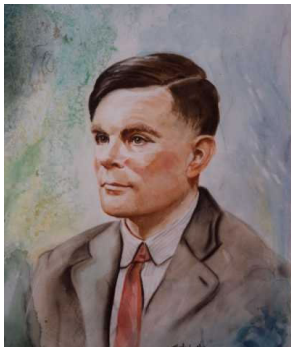


Charles Dance  
Commander De...



Matthew Beard  
Peter Hilton

# Introduction



British mathematician Alan Turing broke the Nazis' prized Enigma cipher, created the foundations of modern computer science, and pioneered the fields of artificial intelligence ("Can Machines Think?") and neural networks. Turing was arrested for homosexuality and forced to undergo hormone treatments perhaps leading to his apparent suicide by cyanide poisoning at age 41. In recent years, many artists have responded to Turing's brilliant achievements and tragic death in disparate media: drama, novel, short story, film, painting, sculpture, statuary, music, and opera. We will explore some of the artistic responses to the life and works of this remarkable individual.

# ALAN TURING YEAR

2012



Alan Mathison Turing  
June 23, 1912 - June 7, 1954

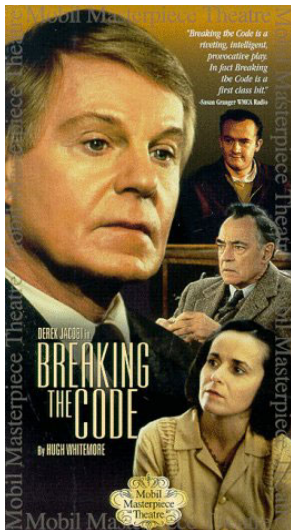


ALAN TURING, 1912-1954

# Genres

- ▶ Drama
- ▶ Novel and Short Story
- ▶ Film
- ▶ Poetry
- ▶ Painting and Drawing
- ▶ Sculpture and Statuary
- ▶ Music
- ▶ Opera
- ▶ Photography
- ▶ Ballet

# Theater and Drama



# Theater

Hugh Whitemore, *Breaking the Code*

Snoo Wilson, *Lovesong of the Electric Bear*

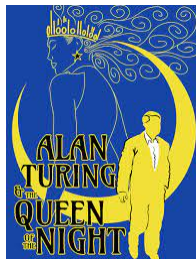
Valeria Patera, *Alan's Apple: Hacking the Turing Test*

Kevin Patterson, *A Most Secret War*

A. Rey Pamatmat, *Pure*

Phil Collinge and Andy Lord, *Turing's Test* (radio drama)

Michael Vega Mussman and Payton Millet, *Alan Turing & The Queen of the Night*



*Britain's Greatest Codebreaker*



Ed Stoppard as Alan Turing, with Henry Goodman as Dr Franz Greenbaum, in BBC docudrama (November 2011)

## *The Turing Enigma* (2011)



A missing message from Alan Turing surfaces as part of the celebrations for his 100th birthday... in code it provides the key to a century old puzzle that if solved will bestow academic immortality - and crash the world into chaos.

# Alan Turing in Fiction

Neal Stephenson's *Cryptonomicon* (1999)

Robert Harris' *Enigma* (1996)

Simon Ings' *The Weight of Numbers* (2007)

Greg Egan's *Oracle* (2001)

John Casti's *The Cambridge Quintet* (1998)

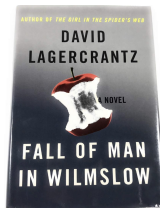
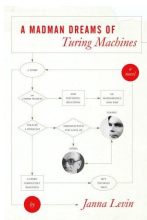
Charles Stross' *The Atrocity Archives* (2004)

Paul Leonard's *Dr. Who: The Turing Test* (2000)

Janna Levin's *A Madman Dreams of Turing Machines* (2006)

Christos Papadimitrou's *Turing (A Novel About Computation)* (2003)

Davd Lagercrantz's *Fall of Man in Winslow* (2016)



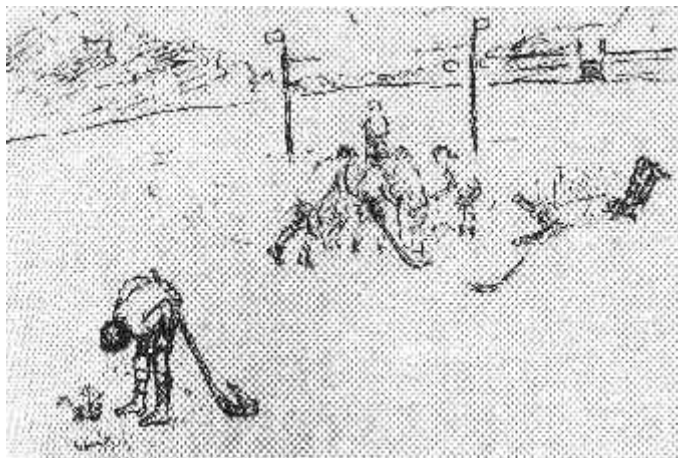
# A Poem by Matt Harvey

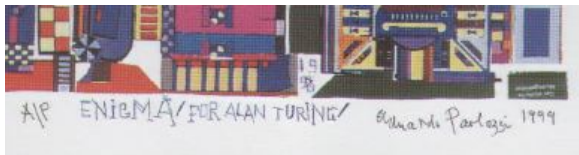
here's a toast to Alan Turing  
born in harsher, darker times  
who thought outside the container  
and loved outside the lines  
and so the code-breaker was broken  
and we're sorry  
yes now the s-word has been spoken  
the official conscience woken  
very carefully scripted but at least it's not encrypted  
and the story does suggest  
a part 2 to the Turing Test:  
1. can machines behave like humans?  
2. can we?

# Painting and Drawing

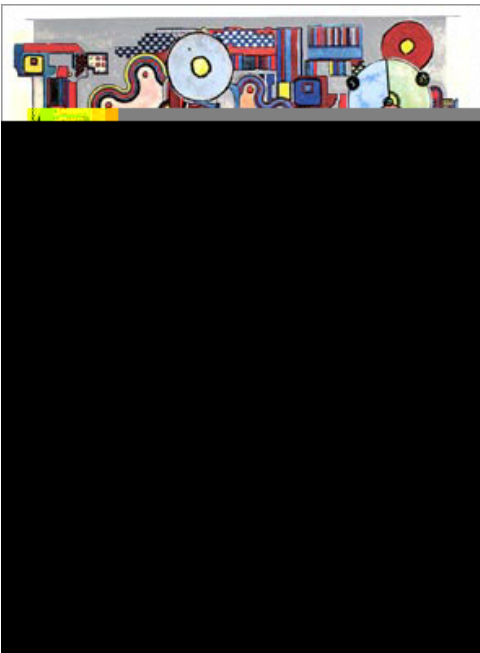


Ingrid Zamecnikova, entrance hall of the computer science building of the Swiss Federal Institute of Technology (ETH Zurich).



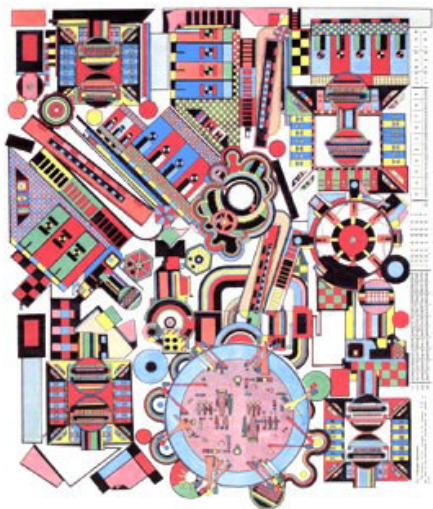


*The Turing Collection* by Sir Eduardo Paolozzi consists of a portfolio of 8 images, hand produced in an edition of 50 copies and is screen printed in colour on hand made GSL acid free 315gsm paper





ARTIST'S NAME  
ARTIST'S NAME



圖靈三歲時，剝下木偶  
胳膊、小腿拿到花  
園〔栽種〕，說要種  
出更多小木偶！



Turing artwork by Hong Kong cartoonist Honsanawong, entitled  
*3-year-old Turing - 1915.*

# Sculpture and Statuary



The Alan Turing Memorial, Sackville Park in Manchester, England.  
Sculptor: Glyn Hughes, 2001

On Turing's left is the University of Manchester and on his right is Manchester's gay village. Turing holds an apple, a symbol classically used to represent forbidden love, as well as being both the fruit of the tree of knowledge (the object that fell on Isaac Newton) and the means of Turing's own death..



The cast bronze bench carries in relief the text 'Alan Mathison Turing 1912-1954' and the motto 'Founder of Computer Science' as it would appear if encoded by an Enigma machine; 'IEKYF RQMSI ADXUO KVKZC GUBJ'.

A plaque at the statue's feet says "Father of computer science, mathematician, logician, wartime codebreaker, victim of prejudice". There is also a Bertrand Russell quotation saying "Mathematics, rightly viewed, possesses not only truth, but supreme beauty Ñ a beauty cold and austere, like that of sculpture."



The Turing statue by John M Mills, at University of Surrey Campus, 2004



Artist: Wayne Chabre

Date: 1989.

Location: Deschutes Hall, University of Oregon

# Stephen Kettle

## Bletchley Park



# Music

Stephen J. Pride *A Song for Alan Turing* (2002)

## YouTube Video

Manchester, northern England, June the seventh nineteen fifty four  
He took a bite from a poison apple, they found him dead on the  
bedroom floor,

So died a quiet hero, a saviour of his country in the Second World  
War.

Then came the Cold War, and persecution, I guess he just couldn't  
take it any more.

Alan Turing, a man of vision, logician, mathematician,

Codebreaker, troublemaker, a revolutionary mind,

He turned the key that opened the door to the world of computing  
that we still explore

A world that no-one had seen before. a gift to all of mankind...