



# The Mystery of Memory: No “Life”, No Memory

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## Abstract

The issue of memory is mysterious in terms of its acquisition, storage, recall and retrieval. Memory is inextricably intertwined with the phenomenon of subtlety of “life”. So, is the process of learning. This paper builds up a testable theory proposing where there is no life, there is no memory. In this sense, the memory in a lifeless Artificial Device (AI) is a misnomer. So is the term, “Machine Learning”. The mystery calls for investigations on what is “life”, and its link with the memory.

**Keywords:** Correct definition of Memory; Memory in AI; Information-states; Spiritual implications of Memory; Requirement of brain in Memory; Immersive Neuroscience

## Introduction

We begin with a confession that we are confused whether the memory is composed of only data and signal, or of other information states? How such memory of different information states is formed, stored, recalled and retrieved? What is the mechanism of natural or conscious forgetting? How and why do we forget certain issues but remember others? Why are we not yet precisely sure of different mechanisms of memory loss in different kinds of dementia, although knowing of loss of cortical and hippocampal neurons and their connectivity? Why is there no memory acquisition, storage, recall and retrieval in a life-less brain, or in a brain-dead patient, in spite of the availability of the whole neural and glial network? How is there complete memory loss during passage through death? Why is having a memory of a previous birth an exceptional event? Why are we silent on the issue of absence of memory, whatsoever, in any of the devices of artificial intelligence? Without systematic purging of memory, and acquisition of new memory is it possible to explain evolution of species and transformation of the being? All such unanswered questions make the memory mysterious, and call for more investigations on memory!

## Incompleteness of the Definition of Memory in the School of Engineering

Does an electrical switch, which lights a bulb or moves a fan, have memory? The process follows an instruction by manual movement of the switch to conduct electricity from the source to the output. Obviously, this is not a memory? Similarly, a computer or its equivalent, electronically communicates a set of instructions coded sequentially in form of signals, thus already programmed, following manual movement of the letters on the keyboard (Figure 1). From the data stored in the hardware, it matches who is the person working on the computer from the password already fed. Is it an explicit memory? Or, is it simple data handling according to a set algorithm?

Are input of signal and acquisition of data synonymous? Unlikely! Or this is an object/subject error! Do the output of data and the retrieval of data mean the same? Or, is it a passivity-activity issue! Are storing of data and memory storage synonymous? According to many, these seem to be overlapping events! How can we label the stored data in an artificial device as memory in absence of perception, and digging into the meaning of the data as information! Can “data” be stored only in the form of a coded signal? Does signal represent all kinds of information states? According to Electronics and Communication Engineering (ECE), however, a computer has explicit memory, but no working memory, and implicit memory. These kinds of ambiguous statements become obvious when we do not know what the memory is!

## Recovering the Meaning of Memory in its Definition

The author is of the view that memorization is an active, and not a passive process. In a mechanical device the input of data and its encoding and storage is done by a program represented by an algorithm of a set of sequential commands. The retrieval of the fed data is merely an output by another set of algorithms! It is a passive process. It could be anything but memory? Further,

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# The Memory Mystery

**JE Gale**



## **The Memory Mystery:**

The Memory Mystery Rajyadhyaksha Medha s,1996 This well illustrated book unravels what we know of the memory mystery till date The Memory Thief Lauren Aguirre,2021-06-01 FINALIST FOR THE 2022 PEN E O WILSON LITERARY SCIENCE WRITING AWARD Aguirre writes clearly concisely and often cinematically The book succeeds in providing an accessible yet substantive look at memory science and offering glimpses of the often challenging process of biomedical investigation Science Sometimes it s not the discovery that s hard it s convincing others that you re right The Memory Thief chronicles an investigation into a rare and devastating amnesia first identified in a cluster of fentanyl overdose survivors When a handful of doctors embark on a quest to find out exactly what happened to these marginalized victims they encounter indifference and skepticism from the medical establishment But after many blind alleys and occasional strokes of good luck they go on to prove that opioids can damage the hippocampus a tiny brain region responsible for forming new memories This discovery may have implications for millions of people around the world Through the prism of this fascinating story Aguirre recounts the obstacles researchers so often confront when new ideas bump up against conventional wisdom She explains the elegant tricks scientists use to tease out the fundamental mechanisms of memory And finally she reveals why researchers now believe that a treatment for Alzheimer s is within reach

**The Memory of Love: A Small Town Memory Loss**  
**Mystery Romance** Sophie Bartow,2021-09-26 Swan Harbor keeps secrets until she doesn t When she reveals what The Mountain View Lodge has been hiding repercussions reverberate throughout the town Book One of The Mountain View Lodge Trilogy Can Love Forgotten Be Found Again Sadie and Gray Hunter had their happily ever after then lost it in a tragic accident Now Gray s left with no memory of the past few years or of his loving wife Meanwhile Captain Jack has problems of his own He knows something is wrong with him But is the problem with his body or his mind Sheriff Dylan Prince however knows exactly where his problem lies There s a serial killer on the loose in his small town and he won t rest until the culprit is behind bars Can Sadie and Gray find their way back to each other What does the future hold for Captain Jack Will Sheriff Prince find the killer or become the next victim Only Swan Harbor knows the answers and she s not telling anyone until she s ready Welcome to Swan Harbor The Memory of Love is Book 7 of the Hope Hearts from Swan Harbor Series as well as Book 1 in the Mountain View Lodge Trilogy It s a steamy small town second chance memory loss mystery romance with a guaranteed happy ending If you enjoy books with layered mysteries woven around a swoonworthy romance and long held secrets you ll love the next book in Sophie s new series This is Book 7 of a 15 book complete series Buy a copy of The Memory of Love and dive into one of Swan Harbor s secrets Read the other books in The Mountain View Lodge Trilogy The Innocence of Love Book Two The Forgiveness of Love Book Three

**The Memory of Blood** Christopher Fowler,2013-09-03 Christopher Fowler s acclaimed Peculiar Crimes Unit novels crackle with sly wit lively suspense and twists as chilling as London s fog Now the indomitable duo of Arthur Bryant and John May along with the rest of their quirky

team return to solve a confounding case with dark ties to the British theater and a killer who may mean curtains for all involved For the crew of the New Strand Theatre the play *The Two Murderers* seems less performance than prophecy when a cast party ends in the shocking death of the theater owner's son The crime scene is most unusual even for Bryant and May In a locked bedroom without any trace of fingerprints or blood the only sign of disturbance is a gruesome life size puppet of Mr Punch laying on the floor Everyone at the party is a suspect including the corrupt producer the rakish male lead the dour set designer and the assistant stage manager who is the wild daughter of a prominent government official It's this last fact that threatens the Peculiar Crimes Unit's investigation as the government's Home Office wary of the team's eccentric methods seeks to throw them off the case But the nimble minds of Bryant and May are not so easily deterred Delving into the history of the London theater and the disturbing origins of Punch and Judy the detectives race to find the maniacal killer before he reaches his even deadlier final act Whip smart and endlessly entertaining *The Memory of Blood* is an ingeniously intricate mystery from the deliciously inventive Christopher Fowler Praise for *The Memory of Blood* *The Memory of Blood* breathes new life into the locked room mystery Spiced with a little screwball comedy dialogue and a touch of the occult *The Washington Post* Great fun *The Seattle Times* [The Memory Manual](#) Betty Fielding,1999 No gimmicks no long codes or systems to study and memorize just a simple holistic program that will get you or a loved one on track to a better memory and a fuller life *Welcome to the Mysteryverse* Clive Gifford,2023-10-05 Welcome to the Mysteryverse From the big riddles How did life begin How will the universe end Is anybody out there to the everyday niggles Why do cats sit in circles Why do we yawn Why is ice slippery there is so much that we still don't understand [The Memory of Sound](#) Seán Street,2014-06-13 This book explores the connections between sound and memory across all electronic media with a particular focus on radio Street explores our capacity to remember through sound and how we can help ourselves preserve a sense of self through the continuity of memory In so doing he analyzes how the brain is triggered by the memory of programs songs and individual sounds He then examines the growing importance of sound archives community radio and current research using GPS technology for the history of place as well as the potential for developing strategies to aid Alzheimer's and dementia patients through audio memory **The Memory of Past Births** Charles Johnston,1899 **Maximum PC** ,2006-09 Maximum PC is the magazine that every computer fanatic PC gamer or content creator must read Each and every issue is packed with punishing product reviews insightful and innovative how to stories and the illuminating technical articles that enthusiasts crave **The Memory Ward** Jon Bassoff,2025-03-04 From critically acclaimed author Jon Bassoff *The Memory Ward* is a haunting Russian doll of a novel about one man's attempt to discover what's real and what isn't They say it's always beautiful in Bethlam Nevada No place you'd rather live The people are friendly if a little nosy and there's no crime to speak of Life is pretty perfect But postal worker Hank Davies has started to suspect something is off in this idyllic little town And he's certain of that when he realizes the letters he's been delivering are just blank pages Hank isn't the only one

who's noticed the oddities in Bethlam One such person knocks on his window in the middle of the night urging him to investigate his bedroom wall When Hank pulls back the wallpaper he discovers dozens of sheets of paper full of a story that is either complete madness or unbelievable truth As he begins looking beyond the veneer of his smiling neighbors and their white picket fences Hank is drawn further and further into a disturbing new reality Told in Bassoff's lyrical and evocative style *The Memory Ward* is a disquieting page turner that examines the nature of identity trauma and what it means to be human

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## **Table of Contents The Memory Mystery**

1. Understanding the eBook The Memory Mystery
  - The Rise of Digital Reading The Memory Mystery
  - Advantages of eBooks Over Traditional Books
2. Identifying The Memory Mystery
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an The Memory Mystery
  - User-Friendly Interface
4. Exploring eBook Recommendations from The Memory Mystery
  - Personalized Recommendations
  - The Memory Mystery User Reviews and Ratings
  - The Memory Mystery and Bestseller Lists

5. Accessing The Memory Mystery Free and Paid eBooks
  - The Memory Mystery Public Domain eBooks
  - The Memory Mystery eBook Subscription Services
  - The Memory Mystery Budget-Friendly Options
6. Navigating The Memory Mystery eBook Formats
  - ePub, PDF, MOBI, and More
  - The Memory Mystery Compatibility with Devices
  - The Memory Mystery Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of The Memory Mystery
  - Highlighting and Note-Taking The Memory Mystery
  - Interactive Elements The Memory Mystery
8. Staying Engaged with The Memory Mystery
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers The Memory Mystery
9. Balancing eBooks and Physical Books The Memory Mystery
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection The Memory Mystery
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine The Memory Mystery
  - Setting Reading Goals The Memory Mystery
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of The Memory Mystery
  - Fact-Checking eBook Content of The Memory Mystery
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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