

CYCLOPAEDIA 17 – TIME TRAVEL

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OVERVIEW

Time. Is it linear? Is it wibbly wobbly? Is it the fourth dimension? The concept of traveling through time and the impacts of time in science have been theorized by scientists and lead to such fields as quantum mechanics and spacetime physics. Writers have snagged onto these theories and extrapolated even further the impacts of traveling through time or near instantaneous travel over great distances, thus ignoring the time required to do so.

So, how do we get from one moment in time to another? Scientists and writers have been postulating for centuries ideas such as Faster-than-light (FTL) travel, Many-Worlds interpretation, Quantum teleportation, Time Dilation, and Wormholes (also known as Einstein-Rosen bridges).

The first novel to use time travel was written in 1836 Alexander Veltman, titled *Predki Kalimerosa: Aleksandr Filippovich Makedonskii* (The Forebears of Kalimeros: Alexander, son of Philip of Macedon). Not only was it the first time travel novel, it has been called the first original Russian science fiction novel. But, it is H. G. Wells' 1895 novel *The Time Machine* which truly brought the idea of time travel to public imagination.

Whether you view time as rigid or fluid, you have to admit the possibility of altering time or viewing times other than our current moment grabs your imagination. The stories these bouts of imagination produce can fascinate you with the possibilities or frustrate you with the lack of scientific understanding.

TIME TRAVEL PARADOXES?

Time travel theories are riddled with paradoxes and causality questions. Fiction and cinema enjoy messing with these paradoxes as the focal point of their stories.

- Butterfly Effect
- Grandfather Paradox
- Hitler's Murder Paradox
- Ontological/Bootstrap Paradox
- Polchinski's Paradox
- Predestination Paradox

Following are sources of information pertaining to Time Travel to assist prospective game masters, game designers, writers, and storytellers in knowing where to start their research.

ARTICLES

Back or to the future? Preferences of time travelers.

By Ettlin, Florence and Hertwig, Ralph
Source: Judgment & Decision Making.
Jul2012, Vol. 7 Issue 4, p373-382

A Nonlinear History of Time Travel.

By Gleick, James
Source: Nautilus. Sep/Oct2016, Issue 16,
p22-37

Physics: The time lord and fellow travellers.

By Jaffe, Andrew
Source: Nature. 10/31/2013, Vol. 502 Issue
7473, p620-622

**Time Travel, Parahistory and the Past
Artefact Dilemma.**

By Richmond, Alasdair

Source: Philosophy. 2010, Vol. 85 Issue 3,
p369-373

**Time Travel: Why It May Not Pay to Work
out All the Kinks.**

By Manchak, John Byron

Source: Philosophy of Science. Dec2011,
Vol. 78 Issue 5, p1037-1045

The End of Eternity

By Asimov, Isaac

The First Fifteen Lives of Harry August

By North, Claire

The Forever War

By Haldeman, Joe

Ghost Country

By Lee, Patrick

Harry Potter and the Prisoner of Azkaban

By Rowling, J.K.

The House on the Strand

By du Maurier, Daphne

Hyperion

By Simmons, Dan

The Langoliers

By King, Stephen,

The Man Who Folded Himself

By Gerrold, David

Millennium

By Varley, John

Outlander

By Gabaldon, Diana

Replay

By Grimwood, Ken

Slaughterhouse-Five

By Vonnegut, Kurt

Somewhere in Time

By Matheson, Richard

BOOKS

11/22/63

By King, Stephen

A Christmas Carol

By Dickens, Charles

***A Connecticut Yankee in King Arthur's
Court***

By Twain, Mark

The Accidental Time Machine

By Haldeman, Joe

All You Need Is Kill - Manga

By Sakurazaka, Hiroshi

The Anubis Gates

By Powers, Tim

The Chronoliths

By Wilson, Robert

Dirk Gently's Holistic Detective Agency

By Adams, Douglas

Doomsday Book

By Willis, Connie

A Sound of Thunder

By Bradbury, Ray

Tau Zero

By Anderson, Poul

Thief of Time

By Pratchett, Terry

Time and Again

By Finney, Jack

Time Enough for Love

By Heinlein, Robert A.

Timeline

By Crichton, Michael

The Time Machine

By Wells, H.G.

The Time Ships

By Baxter, Stephen

The Time Traveler's Wife

By Niffenegger, Audrey

Transition

By Banks, Iain

A Wrinkle in Time

By L'Engle, Madeleine

Bioshock: Infinite - Computer Game

Blinx - Computer Game

Chronomancer - RPG

Chrononauts - Tabletop Game

Chrono Trigger - Computer Game

Continuum - RPG

Crash Bandicoot 3: Warped - Computer Game

Cthulhu by Gaslight - RPG

Day of the Tentacle - Computer Game

Doctor Who: Adventures in Time and Space - RPG

Doctor Who: The Battle to Save the Universe - Tabletop Game

Doctor Who: The Card Game - Tabletop Game

Doctor Who: Time of the Daleks - Tabletop Game

Doctor Who: The Time Wars - Tabletop Game

Feng Shui: Action Movie Roleplaying - RPG

Final Fantasy - Computer Game

GURPS: Time Travel - RPG

Journeyman Project 2: Buried in Time - Computer Game

Khronos - Tabletop Game

Legacy: Gears of Time - Tabletop Game

The Legend of Zelda: Ocarina of Time - Computer Game

The Lost Vikings - Computer Game

Prince of Persia: The Sands of Time - Computer Game

Rolemaster: Time Riders - RPG

Singularity - Computer Game

Temporum - Tabletop Game

Time Agent - Tabletop Game

Time Lord - RPG

Time Masters - Tabletop Game

TimeSplitters 2 - Computer Game

T.I.M.E. Stories - Tabletop Game

Time Tripper - Tabletop Game

TimeWatch - RPG

TimeZero - RPG

GAMES

Achron - Computer Game

Anachrony - Tabletop Game

Back to the Future - Computer Game

Back to the Future - Tabletop Game

Bill & Ted's Excellent Adventure - Computer Game

TMNT IV: Turtles in Time - Computer Game
Tragedy Looper - Tabletop Game
Transdimensional Teenage Mutant Ninja
Turtles - RPG

CINEMA

11.22.63 - TV
12 Monkeys - Movie & TV
Army of Darkness: The Medieval Dead
Back to the Future
Bill & Ted's Excellent Adventure
Continuum - TV
Déjà Vu
Dirk Gently's Holistic Detective Agency - TV
Doctor Who - TV
Edge of Tomorrow
The Flash - TV
FlashForward - TV
Flight of the Navigator
Frequency - TV
Groundhog Day
Harry Potter and the Prisoner of Azkaban
Hot Tub Time Machine
Journeyman - TV
Kate & Leopold
Legends of Tomorrow - TV
Life on Mars - TV
Looper
The Philadelphia Experiment
Planet of the Apes
Outlander - TV
Peggy Sue Got Married
Predestination
Primeval - TV
Primer
Quantum Leap - TV
Somewhere in Time
Source Code
Star Trek
Star Trek IV: The Voyage Home

Star Trek: First Contact
The Final Countdown
The Terminator
Terminator: Sarah Connor Chronicles - TV
Time After Time - Movie & TV
Time Bandits
Time Crimes
Timecop – Movie & TV
Timeless - TV
The Time Machine
The Time Traveler's Wife
Time Tunnel - TV
Travelers - TV
Voyagers! - TV
A Wrinkle in Time - TV
X-Men: Days of Future Past

LOCATIONS

Somewhere in Time Weekend - Grand Hotel
(Mackinac Island)
<http://www.grandhotel.com/packages/somewhere-in-time-weekend/>

Who North America
<http://www.whona.com/>

PEOPLE

Sergei Avdeyev
Alfred Bielek
Albert Einstein
Kurt Gödel
Dr. Stephen Hawking
Krasnikov
Dr. Ronald Mallett
Igo Dmitriyevich Novikov
Jacques Vallee
Alexander Veltman
H.G. Wells
Doctor Who