

A BIBLIOGRAPHY OF SCIENCE-RELATED SCIENCE FICTION

by

Connie Willis

©1999 by Connie Willis. All rights reserved. Reproduced with permission of the author.
Reproduction for classroom use must contain the original copyright.

Originally presented as part of a symposium on Science and Science Fiction,
National Science Teachers Association national meeting, Boston, MA, March 25-28, 1999.

ASTRONOMY

- “Requiem for a Universe” by Poul Anderson in The Universe, ed. Byron Preiss.
“Mandikini” by Gregory Benford in The Universe, ed. Byron Preiss.
“For Thus Do I Remember Carthage” by Michael Bishop in The Universe, ed. Byron Preiss.
“To Touch a Star” by Ben Bova in The Universe, ed. Byron Preiss.
“Bubbles” by David Brin in The Universe, ed. Byron Preiss.
“Particle Theory” by Edward Bryant in Nebula Winners 11 ed. Samuel R. Delaney.
The Fountains of Paradise by Arthur C. Clarke
Islands in the Sky by Arthur C. Clarke
Have Space Suit, Will Travel by Robert A. Heinlein
Starman Jones by Robert A. Heinlein
“The Dimple in Draco” by Philip Latham in Orbit 2 ed. Damon Knight.
“The Xi Effect” by Philip Latham in Best SF, ed. Edmund Crispin.
Ringworld by Larry Niven
The Farthest Star by Frederik Pohl and Jack Williamson
Obritsville by Bob Shaw
“The Iron Star” by Robert Silverberg in The Universe, ed. Byron Preiss.
“Daisy, in the Sun” by Connie Willis in The 1980 Annual World’s Best SF, ed. Donald A. Wollheim

PHYSICS

- The Gods Themselves by Isaac Asimov
“Mozart on Morphine” by Gregory Sanford in The Microverse, ed. Byron Praise.
“The Man Who Hated Gravity” by Ben Bova in Challenges by Ben Bova.
”The Waveries” by Fredric Brown in Aliens from Analog ed. Stanley Scheidt.
Mission of Gravity by Hal Clement
Solaris by Stanislaw Lem
“Unfinished Story No. 1” by Larry Niven in All the Myriad Ways by Larry Niven.
“Half-Life” by Paul Preuss in The Microverse ed. Byron Preiss.
The Palace of Eternity by Bob Shaw
“Chip-Runner” by Robert Silverberg in The Microverse ed. Byron Preiss.
“The Heat Death of the Universe” by Pamela Zoline in The Mirror of Infinity, ed. Robert Silverberg.

QUANTUM THEORY

- “Ambiguity” by David Brin in The Microverse ed. Byron Praise.
“Schrodinger’s Kitten” by George Alec Effinger in The Year’s Best Science Fiction, Sixth Annual Collection, ed. Gardner Dozois.
“A Matter Most Strange” by Robert L. Forward in The Microverse, ed. Byron Preiss.
Solaris by Stanislaw Lea
The Coming of the Quantum Cats, by Frederik Pohl
A Wreath of Stars, by Bob Shaw
“At the Rialto” by Connie Willis in The Year’s Best Science Fiction, Seventh Annual Collection, ed. Gardner Dozois.
Schrodinger’s Cat by Ursula LeGuin
Sshrodinger’s Cat by Robert A. Wilson

RELATIVITY

Tau Zero by Poul Anderson

“Common Time” by James Blish

Time for the Stars by Robert A. Heinlein

A World Out of Time by Larry Niven

“The Gold at the Starbow’s End” by Frederik Pohl

Redshift Rendezvous by John Stith

CHEMISTRY

“Death Wish” by Poul Anderson in The Microverse ed. Byron Preiss.

The Back Cloud by Fred Hoyle

“Omnilingual” by H. Beam Piper in Where Do We Go From Here? ed. Isaac Asimov.

The Year of the Cloud by Theodore L. Thomas and Kate Wilhelm

“The Potters of Firsk” by Jack Vance in Time Probe: The Sciences in Science Fiction, ed. Arthur C. Clarke

Cat’s Cradle by Kurt Vonnegut

“The Sidon in the Mirror” by Connie Willis in The Year’s Best Science Fiction, First Annual collection, ed. Gardner Dozois.

NEUTRON STARS AND BLACK HOLES

Dragon’s Egg by Robert L. Forward

The Integral Trees by Larry Niven

The Smoke Ring by Larry Niven

“Neutron Star” by Larry Niven in Where Do We Go From Here? ed. Isaac Asimov.

Gateway and Beyond the Blue Event Horizon by Frederik Pohl

“The Sidon in the Mirror” by Connie Willis in The Year’s Best Science Fiction, First Annual Collection, ed. Gardner Dozois.

“Schwarzschild Radius” by Connie Willis in Nebula Awards 23 ed. Michael Bishop.

MATHEMATICS

A Tangled Tale and The Game of Logic by Lewis Carroll.

“A Subway Named Mobius” by A.J. Deutsch in 100 Years of SF, ed. Damon Knight.

“And He Built a Crooked House” by Robert A. Heinlein in Analog’s Golden Anniversary Anthology, ed. Stanley Schmidt.

“Pictures Don’t Lie” by Katherine MacLean in Best SF ed. Edmund Crispin.

“Euclid Alone” by William F. Orr in Orbit 16 ed. Damon Knight.

“The Blind Geometer” by Kim Stanley Robinson in Nebula Awards 23 ed. Michael Bishop.

Mathenauts by Rudy Rucker.

BIOLOGY

Blood Music by Greg Bear

No Blade of Grass by John Christopher

The Andromeda Strain by Michael Crichton

“Samson in the Temple of Science” by Harry Harrison in The Microverse ed. Byron Preiss.

Doomsday Book by Connie Willis

The Day of the Triffids by John Wyndham

GENETIC ENGINEERING

“Surface Tension” by James Blish in Where Do We Go From Here? ed. Isaac Asimov.

“The Wonder Horse” by George Byram in SF: The Year’s Greatest Science Fiction and Fantasy ed. Judith Merril.

Mutation by Robin Cook

Jurassic Park by Michael Crichton

Do Androids Dream of Electric Sheep? by Philip K. Dick

The Anvil of the Heart by Bruce T. Holmes

Beggars in Spain Nancy Kress

“Dancing on Air” by Nancy Kress in The Year’s Best Science Fiction., Seventh Annual Collection ed. Gardner Dozois.

The Boys From Brazil by Ira Levin

“Houston, Houston, Do You Read?” by James Tiptree, Jr. in The Hugo Winners. Volume 4 ed. Isaac Asimov.

Where Late the Sweet Birds Sang by Kate Wilhelm

Firechild by Jack Williamson

SCIENCE AND THE SCIENTIFIC METHOD

“Pate de Foie Gras” by Isaac Asimov in Where Do We Go From Here? ed. Isaac Asimov.

“The Endochronic Properties of Resublimated Thiotimoline” by Isaac Asimov in Analog’s Golden Anniversary Anthology ed. Stanley Schmidt.

Rendezvous with Rama by Arthur C. Clarke

”Four Brands of Impossible” by Norman Kagan in A Science Fiction Argosy, ed. Demon Knight.

Frankenstein, by Marv Wollstonecraft Shelley

A SCIENCE AND SCIENCE FICTION BIBLIOGRAPHY

Analoa Reader’s Choice, ed. Stanley Schmidt.

Close Encounters., Science and Science Fiction, by Robert Lambourne, Michael Shallis, and Michael Shortland.

Chemistry and Science Fiction, American Chemical Society.

Dinosaurs, ed. Byron Preiss. (articles by scientists on the latest knowledge and speculation on dinosaurs, speculative stories by science fiction writers, illustrations)

The Encyclopedia of Science Fiction by Peter Nicholls. (articles about scientific topics: chemistry, genetic engineering, etc.)

Fantasia Mathematica, edited by Clifton Fadiman. (stories about mathematics)

First Flights to the Moon, edited by Hal Clement. (stories are followed by a discussion of the science involved in the story)

Isaac Asimov’s Worlds of Science Fiction, edited by George Scithers.

The Mathematical Magpie, edited by Clifton Fadiman. (stories about mathematics)

The Microverse, edited by Byron Preiss. (articles by scientists on cells, molecules, quantum theory, particle physics, etc., stories by science fiction writers on the same topics)

The Planets, edited by Byron Preiss. (articles by scientists on the planets, stories by science fiction writers)

Science Fiction Adventures in Dimension, edited by Groff Conklin. (stories about topology and dimensions)

Science Fiction by Scientists, edited by Croft Conklin.

Tine Science in Science Fiction by Peter Nicholls

Time Probe: The Sciences in Science Fiction, edited by Arthur Clarke. (stories about science)

The Universe, edited by Byron Preiss. (articles by scientists on black holes, quasars, galaxies, etc., stories by SF writers)

Where Do We Go From Here?, edited by Isaac Asimov.