

# Science and Science Fiction

## Contents of the CD-ROM I use with my classes

### Short Stories:

A selection of short stories covering a wide variety of topics in science fiction.

A Sound of Thunder – Ray Bradbury  
Ado – Connie Willis  
All You Zombies – Robert A. Heinlein  
Article of Faith – Mike Resnick  
As Chemist to Chemist – Isaac Asimov  
At the Rialto – Connie Willis  
Blood Music – Greg Bear  
Chip Runner – Robert Silverberg  
Desertion – Clifford D. Simak  
End of the World – Alma Alexander  
Fire Watch – Connie Willis  
Flowers for Algernon – Daniel Keyes  
Golden Apples of the Sun – Ray Bradbury  
Half-Life – Paul Preuss  
History Lesson – Arthur C. Clarke  
How To Talk To Girls At Parties – Neil Gaiman  
Instinct – Lester Del Rey  
Last Contact – Stephen Baxter  
Light of Other Days – Bob Shaw  
Making Light – James P. Hogan  
Nightfall – Isaac Asimov  
Omnilingual – H. Beam Piper  
Pate de Foie Gras – Isaac Asimov  
Paycheck – Philip K. Dick  
Relativistic Effects – Gregory Benford  
Samson in the Temple of Science – Harry Harrison  
Schrodinger's Kitten – George Alec Effinger  
Temporal Chirality - Brian Addle, Michael J. S. Dewar, Hans Krapp, Till E.  
    Spiegel and (in part) Michel Obb  
The Clockwork Atomic Bomb – Dominic Green  
The Cold Equations – Tom Godwin  
The Curious Case of Benjamin Button – F. Scott Fitzgerald  
The Feeling of Power – Isaac Asimov  
The Food of the Gods – Arthur C. Clarke  
The Last Question – Isaac Asimov  
The Minority Report – Philip K. Dick  
The Monkey's Paw – W. W. Jacobs  
The Nine Billion Names of God – Arthur C. Clarke

The Riddle of the Universe and Its Solution – Christopher Cherniak  
The Sentinel – Arthur C. Clarke  
The Shangri-La Affair – Lavie Tidhar  
The Sidon in the Mirror – Connie Willis  
The Star – Arthur C. Clarke  
The Variable Man – Philip K. Dick  
The Very Slow Time Machine – Ian Watson  
There Will Come Soft Rains – Ray Bradbury  
Thiotimeline (The Endochronic Properties of Resublimed Thiotimeline) – Isaac Asimov  
Too Bad – Isaac Asimov  
Understand – Ted Chaing  
Waiting for Rain – Mary Robinette Kowal  
We Can Remember It for You Wholesale – Philip K. Dick

### **Science Articles (by topic/application):**

#### **Art and special Effects:**

Art has been an important aspect of science fiction, not only the illustrations in science fiction stories and the cover art for science fiction magazines, but a major contribution to the movies and today's special effects.

King Kong. An article from *Invention & Technology* about the making of the original movie.

Star Wizards. An article from *Invention & Technology* about special effects in *Star Wars* and *Close Encounters*

To Boldly Paint What No Man Has Painted Before. An article from *Invention & Technology* about Chesley Bonestell who created paintings of other worlds that helped inspire the space program.

#### **Jurassic Park:**

Is Jurassic Park possible? These articles relate to the science behind the story.

Ancient DNA

Captured in Amber

#### **Nanotechnology:**

Quantum Mechanical Computers

Shamans of Small

Waiting for Breakthroughs

#### **Space Travel:**

Isn't It Ionic?

#### **Star Trek:**

Beam Me Up

Negative Energy, Worm Holes, Warp Drive

Quantum Teleportation  
Star Trek's Slow Start  
Where No One Has Gone Before – Chemistry in Star Trek

**Star Wars:**

How Star Wars Surprised the World

**Time Travel:**

Build a Time Machine  
Quantum Physics of Time Travel

**Bibliographies:**

Bibliography of Science Fiction (A Bibliography of Science Related Science Fiction) –  
Connie Willis  
Science Fiction About Physics – Connie Willis  
Science and Science Fiction (Science and Science Fiction, With emphasis on  
Chemistry and Science Fiction) – David A. Katz  
Science Fiction in the Classroom (Ways to Use Science Fiction in the Classroom) –  
Connie Willis, David Katz, and Courtney Willis