

UNLV LIBRARY  
MEDIA RESOURCES CATALOG  
**BIOLOGY**  
Summer 2007

**Adaptations of the American Cacti.**

UCLA Office of Instructional  
Development (1987)

Focuses on the adaptations of cacti to  
desert climate, in particular to that of regions  
in California and Arizona.

Video Cassette (24 min.)  
QK 495 C11 A32

**African Odyssey.**

National Geographic (1988)

Follows American zoologists Delia  
and Mark Owens to Africa, where they  
observe and study wildlife in the Kalahari  
Desert. Joins in their search for a new study  
site in Zambia. A study of their work to  
gather scientific data that will help wildlife  
conservation, the problems of conservation  
research, and the challenge of working in  
remote African wilderness.

Video Cassette (1 hr.)  
G3 N37 A37

**Aging.**

Films for the Humanities (1985)

Covers the physical process of aging  
and examines the various body systems to  
see how and why they change as they age.  
Shows that some changes in the aging body  
can be slowed down or reversed.

Video Cassette (26 min.)  
Teacher's Guide (4 p.)  
BF 724.55 A35 A33

**The Aging Process.**

Films for the Humanities & Sciences  
(1992)

Explains the effects of aging on the  
human mind and body, explores the  
"damage" and "cell clock" theories about  
why cells wear, and examines the lifestyle  
habits that affect both longevity and the  
quality of life; these include exercise, regular  
checkups for cancer, proper diet, moderate  
drinking, and no smoking.

Video Cassette (19 min.)  
QP86 .A42 1991

**Allergy and Immunotherapy.**

Films for the Humanities

Shows how researchers are probing  
the allergic reaction and testing  
immunotherapy and other treatments for  
different allergies.

Video Cassette (26 min.)  
RC 585.5 A44

**America's Endangered Species.**

National Geographic Video

Photographers Susan Middleton and  
David Liittschwager are in a race against the  
clock to capture powerful portraits of  
America's most threatened creatures. In  
their adventures they encounter a camera-  
shy blackfooted ferret, capture the beauty of  
golden trout, help release a pair of red  
wolves back to the wild, and watch from a  
front-row seat as a bald eagle chick is  
returned to its cliffside nest. Their every  
picture tells a story and makes a plea: don't  
say goodbye to America's natural treasures.

Video Cassette (1 hr.)  
QL84.2 .A44 1998

**Animal Imposters.**

WGBH (1982)

Features ordinary creatures with  
extraordinary disguises.

Video Cassette (1 hr.)  
QL 759 A55

**Animal Minds.**

Thirteen/WNET (2003)

Program 1: Scientists test and  
observe a variety of animals to attempt to  
discover what animals know. Program 2:  
Scientists observe animals in the wild and  
test animals physiological and chemical  
responses in the lab to attempt to discover  
whether animals experience emotions and  
consciousness.

Program 1. Are animals intelligent?  
Program 2, pt. 1. Do animals have  
emotions?  
Program 2, pt. 2. Animal  
consciousness  
1 videodisc (168 min.)  
QL785 .A548 2003

**The Aquatic Ape.**

Films for the Humanities & Sciences  
(2000)

Tracing Elaine Morgan's victorious crusade to open up debate on an alternative view of human evolution, this program contrasts the Savanna Theory with the theory that a race of semi-aquatic, bipedal apes once inhabited Africa's Danakil Alps.

Video Cassette  
GN281.4 .A68 2000

**Baltic Deputy.**

IHF (1985)

Biography of the Russian botanist and physiologist Kliment Arkadevich Timiriachev.

Video Cassette (1 hr. 35 min.)  
QK 31 T54 B34

**The Beaten Path.**

KUAT Communications Group (1998)

Explore Mother Nature's reaction to desert roads. Learn about the origin and impact of paths and roads and how these pathways change the habitat around them. Game trails become human trails, which become roads. The program examines the border roads and trails along the Organ Pipe National Monument, and explores how some ancient roads and pathways are still used today - but for sometimes vastly different purposes

1 videocassette (30 min.)  
QH104.5.S58 B42 1998

**Beyond the Naked Eye.**

BBC (2000)

Explores the hidden world of single-celled creatures and examines their role in maintaining the balance of life on Earth.

Video Cassette (50 min.)  
QR41.2 .B48 1999

**Biodiversity: The Variety of Life.**

Bullfrog Films (1991)

Offers an explanation of the complex factors involved in conservation biology. Introduces fragmentation, linkage, viable population, and presents concepts which apply everywhere.

Video Cassette (43 min.)  
Study Guide (16 p.)  
QH 75 B563

**Biology: Form and Function.**

Annenberg CPB Collection (1991)

From the British Open University.

Presents biology as related to social issues, not just facts. Dialogue between scientists illustrates laboratory & research techniques.

**9. Designs for Living: Plant**

**Structures.** Discusses structures that make up plants. QK 641 D47

**10. Harvesting the Sun: Sunlight and**

**Plants.** Discusses how plants use sunlight in photosynthesis. QK 882 H263

2 Video Cassettes (24 min. ea)

**The Biology of Nuclear War.**

Carolina Biological Supply Co. (1982)

Presents a detailed explanation of the destructive power of nuclear weapons in both physical and biological terms.

Filmstrip (79 frames)

Cassette (21 min.)

UF 767 B56

**Bird Song and Bird Behavior.**

Disc

QL 698.5 B57

**Bird Songs in Your Garden.**

Houghton Mifflin (1963)

A guide to bird songs commonly heard in the eastern United States and Canada.

Disc

Text

QL 698.5 B55

**[Bird Songs] A Field Guide to Bird Songs of Eastern and Central North America.**

Houghton Mifflin (1971)

Songs and calls of more than 300 species of land and water birds.

2 Discs

QL 698.5 F52

**[Bird Song] A Field Guide to Western Birdsong.**

Houghton Mifflin Co. (1975)

More than 500 species of land and water birds of Western North American and the Hawaiian Islands, arranged to accompany A Field Guide to Western Birds.

Guide

3 Discs

QL 698.5 F53

**The Blue Planet: Seas of Life; Ocean World; Frozen Seas.**

British Broadcasting Corp (2002)

Explore the oceans of the world learning interesting facts about oceans and the animals and plants that live within them.

1 videodisc (ca. 98 min.)

GC21 .B582 2002

**The Blue Planet: Seas of Life; Open Ocean ; The Deep.**

British Broadcasting Corp (2002)

Reveals the sea and its communities at their most fearsome and alluring.

1 videodisc (ca. 98 min.)

GC21 .B583 2002

**The Blue Planet: Seas of Life; Seasonal Seas; Coral Seas.**

British Broadcasting Corp (2002)

Reveals the sea and its communities at their most fearsome and.

1 videodisc (ca. 98 min.)

GC21 .B584 2002

**The Blue Planet: Seas of Life; Tidal Seas.**

British Broadcasting Corp (2002)

"Tidal seas: The sun and moon move billions of tons of water with every turn of the tide. The strongest tides empty entire bays, smash trees on riverbanks, and strand sea creatures on suddenly dry land. Weaker tides control the movements of huge numbers of fish, coaxing schools of giant stingrays through astounding underwater arches. And as the water recedes, the tide can create unbelievable landscapes--like a sparkling world of salt crystals inhabited only by tiny shrimp and bright pink flamingos. Coasts: From rocky cliffs to gentle dunes, the coasts are always changing. Day in and day out, they are battered by crashing waves. Seabirds come here by the thousands to nest, while baby turtles hatch and race to the sea, pursued by hungry predators. Young sea lion pups are born and play on the sand--until a killer whale attacks, crashing in on the surf. But when breeding season is over, life returns to the sea and the shores are empty once again"—  
Container.

1 videodisc (ca. 98 min.)

GC21 .B585 2002

**Boys & Girls Are Different: Men, Women & the Sex Difference.**

MPI Home Video (1995)

Looks at the differences between the sexes and whether they are the result of biology or environment.

Video Cassette (50 min.)

QP 81.5 B68

**The Brain.**

Annenberg/CPB Collection (1984)

Explains and illustrates the brain's basic operating principles, its major structural and functional systems, and the biological foundations of emotion, memory, and unconsciousness.

1. The Enlightened Machine.

QP 376 B696

2. Vision and Movement.

QP 475 B73

3. Rhythms and Drives.

QP 383.7 B73

4. Stress and Emotions.

QP 401 B73

5. Learning and Memory.

QP 406 B72

6. The Two Brains.

QP 385.5 B73

7. Madness. RC 514 B73

8. States of Mind. QP 376 B73

8 Video Cassettes (1 hr. ea.)

**The Brain: Our Universe Within.**

Discovery Comm. (1994)

**Evolution and Perception.** New imaging techniques reveal a new view of the brain. How do different parts of the brain control different functions? How do our senses break down the information they receive and transmit it through a variety of pathways. QP 385 E86 (90 min.)

**Memory and Renewal.** True stories of survivors of catastrophic brain damage offer clues to how the brain thinks, remembers, and regenerates itself.

QP 406 M42 (90 min.)

**Matter Over Mind.** Science zeros in on a single neurotransmitter, serotonin, which may play a central role in the visions brought on by meditation, sleep deprivation, and psychedelic drugs.

QP 376 M37 (45 min.)

3 Video Cassettes

**The Burning Sands.**

Ambrose Video Publishing, Inc. (2000)

The world's deserts are the hottest, driest, and harshest places on earth. They cover nearly one third of the earth's surface, across five continents, and pose the same grim challenges: how to survive? This series provides the viewer with a first-hand look at how life survives, and sometimes even thrives, in these arid lands.

1. The Living Sands
  2. The Raging Sands
  3. The Unforgiving World
- 3 Videocassettes (1 hr ea.)  
QH 88 B87

**Butterflies for Beginners.**

MasterVision (1996)

Offers an introduction to butterfly biology and up-close looks at 32 of the most common North American butterflies.

Video Cassette (1 hr. 4 min.)  
QL 542 A83

**Butterfly & Moth.**

DK Vision

A mixture of animation and live footage serves as a background for a narrated introduction to the life history of moths and butterflies.

Video Cassette (35 min.)  
QL544 .B87 1996

**California Marine Algae.**

Ward's Natural Science Est. (197?)

Marine algae as feed, fertilizer, and food.

60 Slides  
Guide (4 p.)  
QK 571.5 C2 C34

**El Caballo: the Wild Horses of North America.**

Bullfrog Films (2001)

Presents one of the most complex wildlife management issues today: Where do modern wild horses fit in our view of the natural world?

1 videocassette (54 min.)  
SF360.3.U6 C32 2001

**Cancer Detectives of Lin Xian.**

WGBH/BBC (1981)

Discloses Chinese scientists' campaign against cancer of the esophagus in Lin Xian in the People's Republic of China where esophageal cancer occurs far above the national average. Shows that the Chinese approach to eradicating cancer lies not in basic cell research, as it does in the West, but rather in eliminating the suspected environmental causes of the disease.

Video Cassette (1 hr.)  
RC 280 E8 C36

**Charles Darwin.**

J. Norton Publ. (197?)

Analyzes Darwin's thinking during the voyage of the Beagle.

Cassette (28 min.)  
BF 408 G68

**Children of Eve.**

Coronet Film & Video (1987)

Investigates the new techniques employed to answer evolutionary questions. The nontraditional methods rely on the genetic map all living beings carry within their cells. These experiments allow scientists to compare molecular and genetic similarities between present and past human populations.

Video Cassette (58 min.)  
GN 281 C483

**City of Coral.**

Time-Life Video (1983)

A voyage through one of the world's most fascinating and colorful ecosystems: a coral reef, where the line between plants and animals is blurred, "rocks" move, eat and fight, fish are farmers, and weak animals borrow the shields and weapons of stronger ones. Cameras reveal the creatures of the reef demonstrating some of the strangest solutions to the problem of survival on earth.

Video Cassette (3/4", 1 hr.)  
QH 541.5 C7 C5

**Climb the High Winds.**

Echo Film Productions (1988)

The Peregrine Fund continues its work of conserving birds of prey. This is the story of man's effort to preserve some of those creatures. Spectacular flying sequences of falcons and eagles and the life saving skills of raising, releasing and studying the birds depicted here.

Video Cassette (18 min.)

QL 696 F3 C62

**The Cloning Revolution.**

Films for the Humanities (1998)

A comprehensive examination of cloning from its beginnings to the latest technology. The ethics of these new technologies and practices are examined.

Video Cassette (50 min.)

QH 442.2 C58

**Cloud: Wild Stallion of the Rockies.**

WNET (2001)

A filmmaker describes her experiences while making a documentary about a remarkable pale white stallion in the Rocky Mountains. "From the day of his birth in an isolated corner of the Rocky Mountains, Cloud's distinctive coloring made him a natural standout, which could easily have been his downfall. But in the days and months that followed his first fragile steps, it became clear that this feisty little colt was a great stallion in the making."--Container

1 videocassette (60 min.)

SF360.3.U6 C56 2001

**Coleoptera.**

Kenalex Corp. (1973)

Shows physical characteristics and life stages of beetles.

24 Slides

Booklet (24 p.)

QL 575 C64

**The Colorado.**

University of Nevada Las Vegas

Sets 1-2 follow the flow of the Colorado River from the snow capped Rockies through desert gorges. Canyons, plateaus, peaks, and basins are pictured. Flowering plants and a variety of animal life found in this wilderness are shown. Set 3 portrays the first emigrants and travelers who crossed the land. Remains of civilizations and ghost towns are shown. Set 4 focuses on the Grand Canyon and Boulder Dam.

320 Slides (color)

2 Cassettes (2 hr.)

F 788 C63

**The Colorado.**

University of Nevada Las Vegas

See summary for previous entry.

Video Cassette (57 min.)

F 788 C632

**The Colors Between Black and White.**

Films for the Humanities (1994)

See summary in Sociology section.

Video Cassette (14 min.)

HT 1523 C64

**Conserving America: Champions of Wildlife.**

View Video (1994)

Introduces the viewer to individuals who work to fight the destruction of America's wildlife and natural habitats.

Video Cassette (58 min.)

QL 84.2 C48

**Costa Rican Monkeys.**

National Film Board of Canada, (1998)

Linda Fedigan studies the New World monkeys of the Santa Rosa wildlife sanctuary in Costa Rica. Fedigan was one of the first wave of female primate researchers who have chosen to study social relations and male-female interactions. This video most closely follows the Capuchin monkeys

1 videocassette (approx. 26 min.)

QL737.P925 C67 1998

**Cracking the Code of Life.**

WGBH Boston Video (2001)

Describes the race to decode human DNA and raises questions of whether or not we may want to know what's in our genes and whether decoding DNA will lead to cures.

Video Cassette (2 hrs)

QH445.2 .C73 2001

**Cull of the Wild: the Truth Behind Trapping.**

Bullfrog Films (2001)

Examines the history and the legacy of the trapping industry in America today. The film explains and demonstrates different types of traps, and discusses trapping from the point of view of the trapper as well as the animals

1 videocassette (27 min.)

SK283.6.U6 C84 2001

**Cure From the Crypt .**

Films for the Humanities & Sciences (2002)

"When a crypt containing 200 extraordinarily preserved bodies was discovered in 1994 in the Hungarian town of Vac, it caught the interest of a scientist fighting tuberculosis on the other side of the globe. This program presents the fascinating story of Professor Mark Spigelman, an Australian surgeon turned archaeologist who is using ancient DNA to contend with the biggest bacterial killer in the world today. In what many call the post-antibiotic era, Spigelman's unique genetic research has yielded encouraging results: all the tubercular mummies were missing a TB-resistant gene in their genome; those mummies without TB had the gene."—Container.

1 videocassette (27 min.)

RC311.4 .C87 2002

**Cycles of Life: Exploring Biology.**

Annenberg/CPB Collection (1997)

1. The Unity & Diversity of Life
  2. Chemical Foundations of Life
  3. Secrets of the Cell
  4. The Power of Metabolism
  5. Energy In---Energy Out
  6. Generations: Mitosis & Meiosis
  7. Patterns of Inheritance
  8. DNA: Blueprint of Life
  9. Proteins: Building Blocks of Life
  10. Microevolution
  11. Macroevolution
  12. Viruses, Bacteria, & Protists
  13. Fungi, Plants, & Animals
  14. Plant Structure
  15. Plant Reproduction
  16. Animal Structure
  17. Circulation: A River of Life
  18. Immunity
  19. Respiration
  20. Digestion & Fluid Balance
  21. The Neural Connection
  22. Endocrine Control: Systems in Balance
  23. Animal Reproduction & Development
  24. Populations & Communities
  25. Ecosystems & the Biosphere
  26. The Human Factor
- 26 Video Cassettes (30 min. ea)  
Guide (52 p.)  
QH 307.2 C83 v. 1-26

**Darwin's Revolution in Thought.**

Stephen Jay Gould's treatise on Charles Darwin. His lecture is structured in the form of a paradox and three riddles about Darwin's life. Each is designed to shed light on one of the key features of the theory of natural selection, its philosophical radicalism, and why it has been so poorly understood.

2 Video Cassettes

Guide (9 p.)

QH 366.2 D3432

**Death by Design: Where Parallel Worlds Meet.**

First Run (1995)

A guided tour into the world of cells, told through a collage of metaphors.

Video Cassette (1 hr. 15 min.)

QH 582.4 D42

**The Death Knell of Old Age.**

Films for the Humanities and Sciences  
(1999)

Tracks the final hours of an 87-year old man as he quietly expires at home. Computer animations illustrate what happens when his aged body can no longer mend itself.

Video Cassette (25 min.)  
QH530 .B63 1999

**Death Valley.**

Holiday Video Library (1989)

Includes visits to Artist's Drive, Devils Golf Course, Dantes View, Badwater, Zabriskie Point, Titus Canyon, Ubehebe Crater, Keane Wonder Mine, Harmony Borax Works, Skidoo, Rhyolite, Borax Museum, and Scotty's Castle.

Video Cassette (40 min.)  
F868 D2 D38

**Decoding the Book of Life.**

Coronet (199?)

The Genome project will take decades to complete and cost between \$500 million and \$3 billion. Explains the project and looks at the controversy it has stirred.

Video Cassette (58 min.)  
Guide  
QH 447 D42

**The Desert Smells Like Rain.**

The Audio Press (1990)

Read by the author, Gary Nabhan. Seven stories from two of his books offer insights into the natural history of desert plants and animals and into the folklore of the desert people.

2 Cassettes (2 3/4 hr.)  
E99 P28 N33

**Desert Springs to Life.**

Filmwest Asso. (1997)

Looks at the Sonora, Mohave, and Chihuahua deserts and the myriad of creatures that live there.

Video Cassette (25 min.)  
F 787 D45

**Desert Riparian Areas.**

KUAT Communications Group (1996)

Focuses on the arduous journey of water in the Sonoran Desert from the upper reaches of the watershed, through narrow canyons to wider canyons and finally to a river

1 Video Cassette (28 min.)  
QH104.5.S6 D474 1996

**The Development of the Human Brain.**

Films for the Humanities (1990)

Follows the physiological development of the human brain from conception, through the growth of the neurological system in utero, to the moment of birth when a wide variety of brain functions are apparent. Follows a child to the age of eight, as a range of motor and cognitive skills appear.

Video Cassette (40 min.)  
QP 376 D486

**Devil's Hole Pupfish.**

(1994)

Discusses the Pupfish, an endangered species which lives only in the Devil's Hole in Death Valley.

Video Cassette (8 min.)  
QL 638 C96 D37

**Dialogues in Modern Biology.**

Audio Learning

An introduction to nutrition.  
Cassette  
Booklet (17 p.)  
QP 141 H68

**Double Helix.**

Films for the Humanities (1998)

A dramatization about the race to solve one of the greatest mysteries of 20th century science -- the structure of DNA.

Video Cassette (1 hr. 47 min.)  
QP 624 L54

**18 Ways to Make a Baby.**

WGBH Boston Video, c2001

In-depth look at the scientific breakthroughs in reproductive science, their impact on human lives, and the doctors and biologists on the leading edge.

Video Cassette (1 hr)  
RG135 .A22 2001

**The Emerging Viruses.**

BBC (1995)

Opens with a look at the Ebola virus. Short segments deal with viral structure and infection. Discusses smallpox and its eradication. The latter part of the program tells of the emergence and reemergence of viruses that are of great concern to humans.

Video Cassette (50 min.)

Booklet (5 p.)

QR 360 E44

**Encounters with Whales.**

PBS Video (1993)

Provides never-before-seen images of the southern population of humpback whales and evaluates their chances for survival. Presents a rescue effort to free a stranded humpback whale.

Video Cassette (49 min.)

QL 737 C424 E52

**The Eternal Arms Race.**

PBS Home Video (2001)

"Since the dawn of life, an evolutionary arms race has imbued predator and prey with increasingly sophisticated weaponry. Teeth and jaws are merely the low-tech side of the struggle. Bats have evolved sonar, and moths have devised a way to jam it; squid create smoke screens, caterpillars concoct poisons and the race escalates from eon to eon."--Container

1 Video Cassette (ca. 60 min.)

QL758 .E74 2001

**The Ethics of Cloning.**

Films for the Humanities (1997)

Examines the moral, ethical, and religious questions raised by the technology of cloning.

Video Cassette (29 min.)

QH 442.2 E74

**Evolution.**

WGBH Boston Video (2001)

Explores various aspects of evolution and the impact the evolutionary process has had on people's understanding of the world around them.

Darwin's dangerous idea (2 hrs.)

Great transformations (1 hr.)

Extinction! (1 hr.)

The evolutionary arms (1 hr.)

Why sex? (1 hr.)

The Mind's big bang (1 hr.)

What about God (1 hr.)

Learning and teaching evolution. (2 hrs.)

8 Video Cassettes

Guide (40 p.)

QH366.2 .E8487 2001

**Evolution and Human Equality.**

Insight Video (198?)

Stephen Gould focuses on the following issues.

I. Role Played by Science in Justifying Racism Throughout History.

II. History of Scientific Claims of Racial Inequality Before 11859

III. Scientific Claims of Racial Inequality Subsequent to 1859.

IV. Where Humans Evolved

V. New Genetic Evidence That Secures the Argument for Human Racial Equality

VI. Conclusions About the Impact of Scientific Racism on Individual Human Lives.

Video Cassette (42 min.)

GN 281 G68

**The Evolution of Social Behavior in Bees.**

Films for the Humanities (1995)

Tells the story of the evolution of cooperative social behavior in wasps and bees. Includes solitary and social wasps, bumblebees, honey bees, and others.

Explores the genetic theory of kin selection.

Video Cassette (54 min.)

QL 569.4 E86

**Exploring the Brain.**

Human Relations Media (1978)

See summary in Medical Science section. 5 parts: Geography of the Brain, Memory, Split-Brain Research, Electrical Stimulation of the Brain, Biofeedback.

5 Filmstrips  
5 Cassettes  
Guide (65 p.)  
QP 376 E94

**Falcons of Arabia.**

Falcon Prod (1992)

Depicts the grace, speed and power of falconry in the Arabian Desert.

Video Cassette (52 min.)  
SK 321 F34

**Fires of the Mind.**

Vestron Video (1988)

Begins with a glimpse into the brain's origins. Demonstrates how children learn, how the brain's two halves work together, the complexity of Einstein's brain, and the nature of human creativity.

Video Cassette (58 min.)  
QP 376 F49

**Flying Casanovas.**

WGBH Boston Video (2002)

Seduction through construction: see how male bowerbirds build astounding shrines to attract a mate. Travel to Australia and New Guinea with David Attenborough to explore the bowerbird's "obsessive" courtship practices.

Video Cassette (1 hr.)  
QL696.P2675 F58 2002

**Forests of the Northwest.**

Hubbard Scientific Co. (1973)

Examples of trees, ferns, and mosses indigenous to the northwestern states.

20 Slides  
Guide (1 p.)  
QK 494 F67

**Fooling with Nature.**

PBS Video ; Boston : WGBH Educational Foundation

Examines new evidence in the controversy over the danger of manmade chemicals to human health and the environment.

Video Cassette (55 min)  
TD196.C45 F66 1998

**The Four Billion Year War.**

PBS Home Video (2001)

"In a battle for survival that lasts 4 billion years, the odds against any one species are incredibly long. And yet, life on the planet is overwhelmingly rich and diverse. Exploring this paradox, this program takes a penetrating look at the process of evolution and the basic force behind it - genes."--Container

1 Video Cassette (ca. 60 min.)  
QH366.2. F697 2001

**From Chance to Choice: The Revolution in Molecular Medicine.**

PBS (1988)

Discusses how molecular biology is creating a revolution in genetics. In a look at early genetics research, the discovery of DNA points to its role as the blueprint of our lives, holding the determining factors of what kind of diseases we may contract. Nobel laureates James Watson & Francis Crick are interviewed. Drs. Thomas Caskey & Arthur Beaudet define their work in human gene therapy.

Video Cassette (1 hr.)  
RB 155 F76

**The Gaia Hypothesis.**

Films for the Humanities & Sciences

James Lovelock details the development and evolution of his Gaia hypothesis, which considers the Earth as an intimately linked system of physical, chemical, and biological processes, interacting in a self-regulating way to maintain the conditions necessary for life. The Daisyworld climatic prototype is also explained through the use of computer graphics and animation.

Video Cassette (25 min.)  
QH331 .G33 1998

**Genetic Engineering: Prospects for the Future.**

Ibis Media (1981)

Viewers discover how DNA works and how scientists are learning to manipulate it to achieve desired ends. Comprehensive techniques of gene splicing are provided. Benefits vs. risks are covered.

Pt. 1. The New Era of Biotechnology

Pt. 2. Putting Microbes to Work

Pt. 3. The Promise and Danger of

Genetic Engineering

Cassette

235 Slides (20 min. ea. part)

Guide (53 p.)

QH 442 G455

**The Good, the Bad, and the Grizzly.**

Thirteen/WNET, c2004

Discusses whether grizzlies should be taken off the endangered species list now that they have made a remarkable recovery, and what it would take to live with such a fierce predator.

1 videodisc (ca. 60 min.)

QL737.C27 G65 2004

**Grand Canyon Flood!**

KUAT-TV (1997)

Describes the man-made flood of March 1996 that released water from the Glen Canyon Dam in order to recreate the natural floods that occurred before the dam was built in 1963.

1 Video Cassette (ca. 55 min.)

TC557.A62 G623 1997

**Grizzlies.**

National Film Board of Canada (1998)

For the last 25 years Wayne McCrory has been campaigning to protect the grizzly and the rare white spirit bear of the British Columbia rain forest

1 Video Cassette (25 min.)

QL737.C27 G75 1998

**The Grizzlies.**

National Geographic Society (1987)

Video Cassette (1 hr.)

G3 N37 L56

**Hand-me-down Genes.**

Films for the Humanities & Sciences (1998)

Introduces the fundamental concepts needed to understand how genes work and how human characteristics are inherited.

Presents concepts through computer-generated graphics, and interviews young people who discuss their genetic conditions.

1. How genes work (25 min.)

2. Family patterns (28 min.)

2 Video Cassettes

QH 431 H27 v.1-2

**Heredity, Health, & Genetic Disorders.**

Human Relations Media (1982)

Probes the causes of such genetic disorders as Sickle-Cell Anemia, PKU, Tay-Sachs Disease, Down Syndrome, Spina Bifida and Cystic Fibrosis. Talks about genetic screening, advances in medical technology, and the effects of genetic disorders on individuals and families.

Video Cassette (30 min.)

RB 155 H47

**Hopeful Monsters.**

Films for the Humanities & Sciences (1998)

Explores how research into homeotic mutations in fruit flies led to the discovery of eight control genes, which appear in fruit flies and other species. These homeotic genes help explain the Cambrian explosion and provide a new approach to medicine. In the future, man may be able to regenerate tissue, replace organs and even control genotypes.

Video Cassette (50 min.)

QH447.8.H65 H66 1998

**How Babies Get Made.**

Coronet Film & Video (1987)

Since 1953, research into the genetic mechanisms that affect the order and pattern of early embryonic development has proliferated. Biologists are trying to understand the workings of a class of specialized genes that may be responsible for the basic structure and organization of all living things. Increasingly, scientists agree that there is a set of "master genes" that coordinate the activity of other genes responsible for specific sub-functions.

Video Cassette (58 min.)

QP 251 H75

**How Scientists Know About Human Evolution.**

University of California  
See summary in Science section.  
Video Cassette (19 min.)  
GN 281 H64

**How Scientists Know About Punctuated Equilibria.**

University of California  
See summary in Science section.  
Video Cassette (16 min.)  
QE 721.2 E85 H68

**How to Know the Conifers.**

Wards Natural Science Est. (197?)  
Photos of cones and foliage to aid in the identification of common conifers.  
49 Slides  
Guide (4 p.)  
QK 494 H37

**The Human Experiment. Ethics in America.**

PBS (1989)  
How far should medical researchers go in their search for a cure? Do the ends justify the means?  
Video Cassette (1 hr.)  
R 853 H8 H86

**The Human Quest.**

Films for the Humanities (1995)  
1. The Nature of Human Nature  
2. The Social Brain  
3. Consciousness  
4. The Way of Science  
Draws on recent advances in evolutionary biology and neuroscience to explore answers to important questions about who we are, where we come from, and what our prospects are.  
4 Video Cassettes (57 min. ea)  
GN 281 H8487 v. 1-4

**The Immune Response.**

Sierra Prod. (1989)  
Uses time-lapse microcinematography to show how a virus destroys healthy cells and is then overcome by the body's immune system.  
Video Cassette (20 min.)  
Guide  
QR 186 I443

**In Search of Human Origins.**

WGBH Educational Foundation (1994)  
See summary in Anthropology section.  
3 Video Cassettes (3 hr.)  
GN 281 I47 pt. 1-3

**In the Company of Whales.**

Discovery Video Library (1991)  
A journey into the whale's domain.  
Video Cassette (1 hr. 30 min.)  
QL 737 C4 I48

**Insects: The Little Things That Run the World.**

Smithsonian Video (1989)  
A comprehensive look at the life, habits, and environments of the most complex life forms that make up over 80% of all animal life on Earth.  
Video Cassette (58 min.)  
QL 463 I743

**Inside Information: The Brain and How It Works.**

Films for the Humanities (1991)  
Devoted to how the brain processes information. Explains the latest research on the brain and provides interviews with some of the foremost researchers in the field.  
Video Cassette (58 min.)  
QP 376 I45

**Intimate Strangers: Unseen Life on Earth.**

Annenberg (1999)  
1. The Tree of Life  
2. Keepers of the Biosphere  
3. Dangerous Friends & Friendly Enemies  
4. Creators of the Future  
2 Video Cassettes (1 hr. each)  
QR 56 I57

**An Introduction to Texas Wildflowers.**

Chip Taylor Comm. (1991)  
Discusses specific flowers that bloom there during spring, summer, and autumn. Details about modified leaves, square stems, and rayed flowers. Addresses how the removal of certain plants could affect animals higher up on the food chain.  
Video Cassette (21 min.)  
QK 188 I57

**Journey into Life.**

Questar Video (1990)

This documentary begins with the moment of conception when egg and sperm meet. Live action film as well as still photography document moments such as a tiny embryo's beating heart which is as small as the head of a pin, then follows through the stages of growth during thirty-eight weeks of pregnancy.

Video Cassette (30 min.)  
RG551 .J68 1990

**Journey to the Forgotten River.**

National Geographic Society (1990)

Describes seven years of change in the southern African country of Botswana when a severe drought forced animals to seek survival in the waters of the Linyanti River, seventy miles north of their natural habitat.

Video Cassette (56 min.)  
QL 337 B68 J68

**Killing coyote.**

High Plains Films

This documentary looks at how the coyote is viewed as a predator by ranchers and hunters while conservationists are trying to responsibly monitor the coyote population. Interviews are conducted with wildlife conservationists, ranchers, hunters, and others who give opposing viewpoints regarding the value of the coyote. The contemporary sport of coyote hunting is presented along with local government hearings on this issue.

Video Cassette (57 min.)  
SF810.7.C88 K54 2000

**Learning to Love the Creepy Crawlies.**

Pyramid Film & Video (1996)

David Suzuki hosts this look at the insect world. He and other experts stress the great diversity of insect life and habitats they live in. It is pointed out that the large number of insect species also means a large number of insect species going extinct, and their total effect on the web of life is still not known.

1 Video Cassette (46 min.)  
QL463 .L42 1996

**Lemurs.**

National Film Board of Canada (1998)

Unless steps are taken now, the ring-tailed lemur will soon be extinct. Dr. Lisa Gould works and lives at a remote research center in southern Madagascar studying the lemurs' behavior and matriarchal social structure.

1 Video Cassette (25 min.)  
QL737.P933 L44 1998

**Life Cycle of the Butterfly.**

Films for the Humanities (1995)

Illustrates egg-laying behavior, hatching, feeding, molting, predation and caterpillar defenses, pupations and parasites that attack the pupa, emergence, and courtship.

Video Cassette (20 min.)  
QL 544 L53

**The Life History of the Pine.**

Ward's Natural Science Est. (197?)

Pictures and descriptions of the reproductive cycle of the genus Pinus.

63 Slides  
Guide (2 p.)  
QK 494.5 P66 A35

**Life in Death Valley.**

New York : Thirteen (2006)

Discusses how animals beat the extreme heat in Death Valley, ultramarathoners who run through Death Valley each July, the geology of Death Valley, and how it is good for astronomy there because there is almost no light pollution. Also discusses the floods caused by an unusual amount of rain in 2005, the huge bloom of wild flowers that followed that wet winter, and the vast aquifer under Death Valley that supports endangered species such as the Devils Hole pupfish.

1 videodisc (ca. 60 min.)  
QL116 .L53 2006

**Life in the Womb: The First Stages of Development.**

Human Relations Media (1983)

Pt. 1 gives the chronological sequence from fertilization to the egg's division -- formation of the blastocyst, implantation, progress of the growing embryo and fetus, development during each trimester. Discusses supportive roles of the uterus and placenta.

Pt. 2 examines genetic inheritance, maternal characteristics, and environmental factors. Reviews teratogens.

Video Cassette (44 min.)

Teacher's Guide (53 p.)

RG 613 L53

**The Life of Birds.**

BBC Video (2002)

David Attenborough journeys across seven continents filming thousands of species of birds, revealing their patterns of behavior.

3 videodiscs (ca. 580 min.)

QL698.3 .L48 2002

**Life on Earth.**

Warner Home Video (1987)

1. The Infinite Variety
  2. Building Bodies
  3. The First Forests
  4. The Swarming Hordes
  5. The Conquest of the Waters
  6. The Invasion of the Lands
  7. Victors of the Dry Land
  8. Lords of the Air
  9. The Rise of the Mammals
  10. Theme & Variations
  11. The Hunters & the Hunted
  12. Life in the Trees
  13. The Compulsive Communicators
- 2 Video Cassettes (3 hr.)  
QH 325 L73

**LifeSense: Our Lives Through Animal Eyes.**

BBC (1995)

Examines the miraculous relationships that bind man and animal worldwide. It's the world as seen by microscopic parasites that inhabit our bodies and pets that inhabit our homes. Shows how our actions affect the animals around us and how their lives affect ours.

2 Video Cassettes (3 hr.)

QL 751 L53 pt. 1-2

**Life Story.**

BBC (1998)

Dramatization of the research creative analysis and perseverance of James Watson and Francis Crick that led to the discovery of DNA.

Video Cassette (1 hr. 48 min.)

QP 624 L54

**Life's First Feelings.**

WGBH (1986)

A study of infants' personality traits, emotional reactions and social interactions. Reveals recent findings on the emotional capabilities of newborns and young children.

Video Cassette (1 hr.)

BF 720 E45 L54

**Lions of the African Night.**

National Geographic Society.

Video Cassette (1 hr.)

G3 N37 L56

**Little Creatures Who Run the World.**

Nova. WGBH (1995)

From vast underground caverns, working class armies of ants pour forth to defend their highly structured communal way of life. Everything they do is for their colony's good.

Video Cassette (1 hr.)

QL 568 F7 L583

**The Living Body.**

Films for the Humanities (1985)  
 Aging BF 724.55 A35 A33  
 Messengers QP 571 M47  
 Internal Defenses QR 181.7 I57  
 A New Life RG 613 N48  
 Water! QP 248 W37

See summaries under subtitles in  
 Medical Sciences section.  
 4 Video Cassettes (26 min. ea)

**Look Who's Talking: How Animals Communicate.**

Bullfrog Films, Inc., (1999)  
 Horse whisperer Mony Roberts  
 explores how animals use sight, hearing,  
 touch, smell, taste and hormones to  
 communicate.

Video Cassette (47 min.)  
 QL776 .L66 1999

**Love and Sex. The Human Animal.**

Films for Humanities (1988)  
 See summary in Sociology section.  
 Video Cassette (1 hr.)  
 BF 692 P45

**Man Immortal.**

Films for the Humanities & Sciences  
 (1999)  
 Experts in the areas of fibroblast  
 growth factor therapy, nutrition, genetics,  
 aerobic metabolism, and cancer research  
 discuss the implications of their findings on  
 the aging process.

Video Cassette (53 min.)  
 QP 85 M36

**The Mating Game.**

PBS Home Video (2001)  
 "Sex is the key to the immortality of  
 genes, and any tactic necessary will be  
 deployed in the cause of reproduction - even  
 if its suicidal to the participant. This episode  
 explores many of the most ingenious,  
 complex and dramatic methods of ensuring  
 the continuation of a species."--Container

1 Video Cassette (ca. 60 min.)  
 QL761 .M373 2001

**A Matter of Fat.**

Films for the Humanities (1989)  
 Examines the causes of obesity: who  
 gets fat and why, the importance of heredity,  
 metabolism, exercise, food--the  
 foods or the wrong quantities--and whether  
 obesity is a disease. Also examines the  
 latest research on the biochemical and  
 genetic causes of obesity.

Video Cassette (26 min.)  
 RC 628 M37

**Me, My Brain, and I.**

Filmakers Library (2002)  
 Explains the functions of the frontal  
 lobes of the brain through the stories of  
 brain-injury patients.

1 videocassette (52 min.)  
 QP382.F7 M4 2002

**Metabolism: The Fire of Life.**

Human Relations Media, Inc. (1982)  
 Because metabolism encompasses  
 all of the chemical processes necessary for  
 life, its study can give students insight into  
 the interrelationships of body systems. This  
 program can serve as an introduction for  
 such a study. Part I: The Body Complex;  
 Part II: Inside the Cell, the Processing Plant.

Slides (Pt. I - 80; Pt. II - 71)  
 2 Cassettes (ca. 18 min. ea.)  
 QP 171 M47

**Metamorphosis.**

Mystic Fire (1995)  
 Rupert Sheldrake, Ralph Abraham,  
 and Terence McKenna "trialogue" on chaos  
 and the world soul.

Video Cassette (1 hr. 20 min.)  
 Q 172.5 C45 M47

**Methuselah Tree.**

WGBH Boston Video (2001)  
 Discusses a 26-foot bristlecone pine  
 in the White Mountains of California that is  
 nearly 5,000 years old and holds the title of  
 oldest living thing on earth, and is known as  
 the Methuselah Tree. Also discusses how  
 tree rings act as a dating instrument.

Video Cassette (1 hr.)  
 P66 M47 2001

**MicroCosmos.**

Miramax Home Entertainment ; Burbank Calif. : Buena Vista Home Video [distributor], (1996)

A wordless close-up view of a variety of insects as they hatch from eggs, search for food and cope with a rain storm. Ants race to gather food as a pheasant gobbles them up, while a dung beetle moves his prize up hill and down. Makes use of timelapse and microphotographic techniques.

1 Video Cassette (75 min.)  
QL466 .M53 1996

**The Miracle of Life.**

Crown Video (1986)

A voyage through the human body as a new life begins. Shows what happens at the moment of conception and the development of the single new cell into an embryo. Looks inside the male and female reproductive organs to show the formation of sperm and the passage of a fertilized egg through the fallopian tube. Uses a microscope to observe DNA, chromosomes, and other details building up to the moment of birth.

Video Cassette (1 hr.)  
QP 251 M54

**Miracle planet**

Ambrose Video Publishing, (2005)

"Miracle planet is a five-part series that recounts the ... story of Earth's mysterious evolution. Narrated by Christopher Plummer, it reveals the surprising role that sheer chance has played in the development of life. Over its more than 4-billion-year history, Earth has been home to repeated violent climactic changes, which have caused mass extinctions. And yet, life has survived. In fact, these same catastrophes that devastated life on earth also helped bring about its evolution from the simplest microbes to the complexity and diversity that is found on the planet today"—Container.

**episode 1.** The violent past

**episode 2.** Snowball earth

**episode 3.** New frontiers

**episode 4.** Extinction & rebirth

**episode 5.** Survival of the fittest

QE501 .M57 2005 1-5

**The Missing Link.**

WGBH Boston Video, c2002

Discusses the hunt for the missing link between fish and four-legged animals in the evolution of mammals.

Video Cassette (1 hr.)  
QL708.5 .M57 2002

**Mitosis and Meiosis.**

United Learning (1994)

A two-part program on cell reproduction. The first part examines the interphase state, DNA replication, chromosome structure and the stages of mitosis. The second part looks at the diploid and haploid states, at fertilization and at the various stages of meiosis. A short video quiz follows each part of the program.

1 videocassette (23 min., 23 sec.)  
QH605 .M59 1994

**Monkey Trial.**

PBS Home Video (2002)

Discusses the trial of biology teacher John Scopes, who was arrested for teaching evolution in defiance of Tennessee state law in 1925.

1 Video Cassette (90 min.)  
KF224.S3 M65 2002

**Mushroom Growth Forms.**

Ward's Natural Science Est. (197?)

Shows a representative series of contrasting types, mostly Basidiomycetes, and a few Ascomycetes.

22 Slides  
Guide (1 p.)  
QK 911 P57

**Mystery of the Animal Pathfinders.**

Nova. WGBH (1995)

Discusses the mystery of migrators, including birds, bats and eels.

Video Cassette (1 hr.)  
QL 754 M973

### **A Naturalist in the Rainforest: A Portrait of Alexander Skutch.**

Bullfrog Films (1995)

Skutch's story provides insights on many levels, the methods of field research, the interactions of plants and animals in this complex ecosystem and the urgency to preserve its remaining remnants.

Video Cassette (53 min.)

Booklet (18 p.)

QL 31 S53 N37

### **Nature and Nurture.**

Films for the Humanities (1987)

Looks at identical twins separated at birth and finds some fascinating answers. 10 - 15% of children are born with a slight tendency to be very outgoing or very apprehensive and there may be a chemical predisposition to seeking danger or high risk. But biology isn't everything and a supportive environment helps to produce well-adjusted adults.

Video Cassette (52 min.)

QH 438.5 P45

### **The Nature of Sex.**

Shanachie (1993)

**The Primal Instinct:** examines the diverse, strange behavior of the Earth's creatures as they obey their urge to breed.

**A Time and a Place:** captures the sometimes strange story of Earth's creatures as they respond to the sexual urges triggered by the cycles of nature. Insights are offered into the mating signals exhibited by humans heeding the same call.

**The Sex Contract:** looks at how the sexes come together, how they interact, and how long they stay together.

**Sex and the Human Animal:** looks for the roots of the human obsession with sex. Shows how humans send sexual signals through gestures, power, achievement, dress, make-up, and perfume, and where such behavior has its antecedents in the lower forms of life.

**A Miracle in the Making:** depicts the diversity of ways animals mate, carry their young, and give birth.

**The Young Ones:** presents the variety of nature's parenting systems.

6 Video Cassettes (1 hr. each)

QL 761 N37 vol. 1-6

### **Natural Connections.**

Bullfrog Films (1999)

Uses interviews with scientists, photography, graphics, and original music to introduce the basic concepts of biodiversity, underline the importance of maintaining biodiversity, explore how nature and human nature are intertwined and how everyday decisions affect biodiversity. Takes a close-up look at salmon, rainforests, and marine ecosystems as examples.

Introduction to biodiversity (15 min.)

The significance of salmon (12 min.)

Keystone species (10 min.)

Forests, biodiversity and you (10 min.)

Biodiversity vs. extinction (12 min.)

5 Video Cassettes

QH541.15.B56 N37 1999

### **Nature's Treasures.**

National Geographic Society (1992)

Program 3 on video cassette with Tides of War and Disappearing Worlds. A brief look at some of the natural world's treasures such as animals, coral reefs, and mountains.

Video Cassette

DS 79.744 E58 T53

### **Nevada's Wild Horses: Range War Stalemate.**

Real to Reel Series (1981)

Video Cassette (30 min.)

SF 360.3 N3 N49

### **On a Wing and a Prayer.**

Public Media Video (1996)

Traces a migratory route from Central America, across the Gulf of Mexico to Southern Illinois. Explains how deforestation has put songbirds at risk and what can be done to reverse the trend.

Video Cassette (1 hr.)

QL 676.55 O52

### **On The Trail of a Killer Virus.**

Kurtis Prod. (1994)

Traces the discovery and identification of the deadly hantavirus strain that broke out in New Mexico in May of 1993. Takes an inside look at how the Center for Disease Control operates.

Video Cassette (1 hr.)

RA 644 H32 O52

**The Origin of the Sonoran Desert.**

KUAT Communications Group (1991)

Discusses the geological formations that formed the Sonoran Desert and shows the Sierra de Alamos, a small mountain range isolated from the Sierra Madre, filled with white rock spires - or "Los Frailes," (the friars). Also compares the Sonoran Desert and the deciduous tropical forest.

1 Video Cassette (28 min.)

QE86.S63 O75 1991

**The Origin of Species.**

Audio Scholar (1991)

Abridged. Charles Darwin's work on evolution.

2 Cassettes (2 hr. 52 min.)

QH 365 O25

**Our Two Brains: Rational & Intuitive.**

Norton Pub. (1973)

Cassette (56 min.)

QP 385.5 O87

**The Perfect Baby.**

ABC News (1990)

Focuses on the medical revolution in genetics. Barbara Walters interviews parents and doctors about decisions they face in deciding how "perfect" children should be.

Video Cassette (50 min.)

QH 431 P47

**Perils of Plectropomus.**

Bullfrog Films (1999)

In recent years scientists have pieced together the dramatic life cycle of reef fish like the plectropomus, the coral trout. They have discovered it's a life lived against the odds.

Video Cassette (56 min.)

QL638.S48 P47 1999

**Photosynthesis.**

Classroom Prod.

Examines each element in the complex interaction that is photosynthesis. Leads students through the world of atoms, molecules, cells and energy illustrated with computer animation, examples and experiments.

Video Cassette (30 min.)

QK 882 P83

**Planet Earth.**

Discovery Channel (2007)

"Journey from the highest peaks to the deepest oceans--pole to pole across the Earth. State of the art filming techniques and dramatic Cineflex aerial photography give you a glimpse of the natural world that will astound your eyes for hours"—Container.

disc 1. Pole to pole ; Mountains ;

Deep ocean

disc 2. Deserts ; Ice worlds

; Shallow seas

disc 3. Great plains ;

Jungles ; Fresh water

disc 4. Seasonal forests ;

Caves

disc 5. Planet Earth: the

future ; Saving the species ; Into the wilderness ; Living together.

QL50 .P53 2007

**Planet of Life.**

Discovery Channel (1995)

Vol. 1: The Birth of Earth; Ancient

Oceans

Vol. 2: When Dinosaurs Ruled; Creatures

in the Sky

Vol. 3: The Insect World; Apes to Man

Vol. 4: Evolution's Next Step

Follows the evolution of life on Earth.

4 Video Cassettes (5 hr. 50 min.)

QH 371 P62 vol. 1-4

**Plant Ecology.**

Carolina Biological Supply Co. (197?)

Examines some major plant associations, including tundra, forest, grassland, desert, and tropical associations. Also, subtropical succession and zonation.

50 Slides

Guide (6 p.)

QK 911 P57

**Plants in Peril.**

Films for the Humanities (1988)

See summary in Environmental Science section.

Video Cassette (26 min.)

QK 86 A1 P57

**Plants Yielding Narcotic, Stimulating, and Psychedelic Substances.**

Ward's Natural Science Est. (197?)  
Shows a number of plant drug sources.

16 Slides  
Guide (2 p.)  
QK 477 H37

**The Private Life of Plants.**

BBC (1995)

Vol. 2: Putting Down Roots. Plants cultivate myriad survival techniques.

Vol. 3: The Birds and the Bees. Plants help insects and birds discover their hidden pollen. They are deceitful with false promises of food or sex as rewards for transferring pollen.

Vol. 4: Plant Politics. Shows how plants exploit disaster to meet their needs.

Vol. 5: Living Together. Profile of how plants form partnerships to survive. Reveals their symbiotic relationship with jellyfish, The Great Barrier Reef, ants and predatory dodders.

Vol. 6: It's a Jungle Out There. Plant life from the coldest Arctic wastes and the driest deserts.

6 Video Cassettes (50 min. ea)  
QK 50 P75

**Private Lives of Dolphins.**

WGBH (1992)

Video Cassette (1 hr.)  
QL 737 C432 P75

**Rachel Carson's Silent Spring.**

PBS Video (1992)

Summary in Environmental Science section.

Video Cassette (1 hr.)  
SB 959 R32

**Realm of the Alligator.**

National Geographic Society (1986)

Narrated by Pernell Roberts.

Video Cassette (1 hr.)  
G3 N37 C43

**Reflections on Elephants.**

National Geographic Society (1994)

Botswana elephants pursue life around scattered waterholes and their seasonal movements undertaken to follow the water shows the social bonds, behavior and communication practiced.

Video Cassette (56 min.)  
QL 737 P98 R43

**Reptiles and Amphibians.**

Films for the Humanities (1995)

Deals with reptilian physiology and behavior and with the natural history of amphibians.

Video Cassette (23 min.)  
QL 641 R46

**Research In the Desert.**

KUAT-TV (1990)

A report on the diverse study projects being conducted in the Sonoran Desert, including packrat research (climatic change), plant research (creating new species), and urban habitats (renewable resources).

1 Video Cassette (30 min.)  
QH104.5.S58 R47 1990

**The Rotten World About Us.**

Films Inc. (1980)

Unravels the mysteries of mushrooms, molds and fungi. Shows how they feed, grow and multiply. Shows fungi that lay traps for worms and others that can kill flies.

Video Cassette (30 min.)  
QK 603 R68

**Rupert Sheldrake. A Glorious Accident.**

Films for the Humanities (1994)

An interview with Rupert Sheldrake, controversial cell biologist and biochemist.

Video Cassette (1 hr.)  
Q 171 G56 no. 2

**The Sacred Balance.**

Bullfrog Films (2003)

"What is the role of human beings in the sacred balance of life? Since human beings first appeared on Earth, they have lived in a sacred relationship with the place they inhabit, the land they depend on ... [O]ur family is far larger than we realize. We're at home in the human community and in the biosphere, close relatives of every living thing. We are all creatures of the living Earth. The important thing ... is that if we can see and feel the web we're a part of, we can change the way we act towards it"—Container.

**Disc. 1.**

**episode 1.** Journey into new worlds / director, Michelle Metivier.

**episode 2.** The matrix of life / directors, Harvey Crossland ... [et al.]

**disc 2.**

**episode 3.** The fire of creation / director, Michelle Metivier.

**episode 4.** Coming home / directors, Barry Greenwald ... [et al.]

2 videodiscs (216 min.)

GF21 .S335 2003

**Salmon on the Run.**

Time-Life Video (1981)

Discusses the fate of the Pacific salmon in the northwest. Commercial fisherman, sports fisherman & local Indian leaders are interviewed. The potential use of breeding salmon in hatcheries is also discussed.

1 videodisc (57 min.)

SH686 .S24 1981

**Saving a Species.**

Films for the Humanities (1990)

Because their habitats have been tapered with or destroyed, many animals now face extinction. Shows how researchers are using the latest tools of science and technology to reverse this alarming trend.

Video Cassette (26 min.)

QL 82 S28

**The Science of Cloning.**

Films for the Humanities (1997)

Illustrates the biomechanics of cloning and discusses the implications for biology, medicine, and agriculture. Experts discuss the future of cloning and possible abuses.

Video Cassette (25 min.)

QH 442.2 S35

**Science in Focus: Energy.**

Annenberg/CP (2002)

Workshop for science teachers on understanding the concept of energy including distinguishing between the meaning of energy to the man on the street and its meaning to scientists, and energy's role in motion, machines, food, the human body, and the universe as a whole. Also discusses how energy can be converted from one form to another and transferred across time and space and the conservation of energy.

1. What is energy?
2. Force and work
3. Transfer and conversion of energy
4. Energy in cycles
5. Energy in food
6. Energy and systems.
7. Heat, work, and efficiency
8. Understanding energy

8 Video Cassettes (ca. 480 min.)

1 guide (32 p.)

QC73.6 .S35 2002 no.1 – 8

**Search for the Great Apes.**

National Geographic Society

Examines efforts of Dian Fossey and Birute Galdikas-Brindamour to discover new facts about the life and behavior of gorillas and orangutans.

Video Cassette (1 hr.)

QL737.P96 S42 1995

**Spirits of the forest.**

Shanachie, [1996?],

Observes various species of lemurs living on the island of Madagascar

1 Video Cassette (60 min.)

QL737.P933 S65 1996

**Seasons of Life.**

Provides a conceptual overview of the seasons of life from infancy through old age.

1. Infancy and Early Childhood  
Conception to Age 6. HQ 774 I52
  2. Childhood and Adolescence Ages 6 to 20. HQ 796 C54
  3. Early Adulthood - Ages 20 to 40.  
HQ 799.5 E27
  4. Middle Adulthood - Ages 40 to 60.  
HQ 1059.4 M53
  5. Late Adulthood - Ages 60+  
HQ 1061 L37
- 5 Video Cassettes (1 hr. each)

**The Secret of Life.**

PBS (1993)

1. **The Immortal Thread** introduces viewers to the chemistry of the DNA molecule.

2. **Accidents of Creation** explores the variety of life rooted in the accumulation of tiny errors in DNA.

3. **Birth, Sex and Death** asks the question: If every cell in an organism has the same genes, why are some cells different?

4. **Conquering Cancer** probes the new understanding of the molecular machinery that causes cells to turn cancerous.

5. **The Mouse that Laid the Golden Egg** covers the controversial trend of genetically engineering life forms for human benefit.

6. **Cell Wars** looks at a search-and-destroy mechanism that can defeat almost any invader, the immune system.

7. **Children by Design** ventures into the new world of gene therapy, covering the human stories behind new experiments to tinker with the body's most basic instructions.

8. **Who Are You?** looks at identical twins, nature's experiment in human clones. Offers insight into the inheritability of character, intelligence, and other traits.

4 Video Cassettes (1 hr. each)  
QH 506 S43

**Secret of Photo 51.**

Boston Video (2003)

"On April 25, 1953, James Watson and Francis Crick published their groundbreaking discovery of the double helix structure of DNA, the molecule essential for passing on our genes and the secret of life. But their crucial breakthrough depended on the pioneering work of another biologist, Rosalind Franklin. She would never know that Watson and Crick had seen a crucial piece of her data without her permission. This was an X-ray image, Photo 51, that proved to be a vital clue in their decoding of the double helix."--Container. Contains interviews, historical photographs and reenactments.

1 Video Cassette (60 min.)  
QH506.F72 S43 2003

**Selection in Action 2.**

Films for the Humanities (1981)

Examines selected plants and animals with easily observable adaptations to their environment in order to study the major processes which alter the genetic profile of a species.

Video Cassette (20 min.)  
QH 546 S44

**Serengeti Diary.**

National Geographic Society (1989)

The diversity of the Serengeti comes to life through the eyes of photographer, Baron Hugo van Lawick and Masai tribesman, Tepilit Ole Saitoti.

Video Cassette (59 min.)  
DT 436.3 S47 S47

**Sex and the Healthy Gene Pool.**

Films for the Humanities & Sciences (1998)

Discusses the methods by which the animal world maximizes each sexual encounter to produce the optimum number and/or hardiest offspring, thereby ensuring the continuation of the species.

Video Cassette (51 min.)  
QL 761 S48

**Sexually Transmitted Diseases.**

Films for the Humanities (1987)

Focuses on chlamydia, herpes, and venereal warts, strongly emphasizing prevention and early detection through new diagnostic tests. Explains the complications from infection, including infertility, tubal pregnancy, and infections in babies.

Video Cassette (19 min.)

RC 200.2 S48

**The Shape of Life.**

SlingShot (2002)

Discusses evolution and shows eight biological designs that are the underpinnings of nearly all animal life.

**[pt.1]**

episode 1. Origins.

episode 2. Life on the move

**[pt.2.]**

episode 3. First hunter.

episode 4. Explosion of life

**[pt.3.]**

episode 5. Conquerors.

episode 6. Survival game

**[pt.4.]**

episode 7. Ultimate animal.

episode 8. Bones, brawn & brains

4 videodiscs (106 min. each)

QH367.5 .S54 2002 pts.1-4

**Sheep Have Been Cloned.**

ABC News/MPI Home Video (1997)

Discusses the implications and possible effects of the successful cloning of the sheep Dolly.

Video Cassette (22 min.)

QH442.2 .S54 1997

**Signs of the Apes, Songs of the Whales.**

Time Life Video (1984)

Examines recent language experiments with apes, dolphins, sea lions, gorillas, and whales. After years of trying to teach human language to animals, some scientists are studying the ways animals communicate among themselves.

Video Cassette (3/4", 57 min.)

QL 776 S55

**Silent Sentinels.**

Bullfrog Films, c1999

An examination of the coral reef organism and how it interacts with its environment, focusing on damaging climatic changes that cause coral bleaching.

Video Cassette (57 min.)

QH541.5.C7 S54 1999

**Sowing the Seeds of Disaster.**

Films for the Humanities (1990)

There is reason to believe that everything can be consumed by some bacterial strain; biotechnology is creating the answers to chemical pollution. Shows how PCB-eating organisms are designed, tested, and produced and what the dangers are in introducing alien substances into our ecosystems.

Video Cassette (26 min.)

TD 177 S68

**Stimulus Response in Animals.**

Films for the Humanities (1997)

Shows the ways in which animals respond to stimuli using the five steps of stimulus response taught in core psychology curriculums.

Video Cassette (33 min.)

QL 751 S77

**A Survey of the Algae.**

Ward's Natural Science Est. (1962)

Views of different types of algae.

46 Slides

Guide (4 p.)

QK 567 S87

**The Survivors.**

PBS Home Video (2001)

"Approximately 65 million years ago, a comet's collision with Earth ended the age of the dinosaur through no fault of the animals' gene machines. But with extinction comes new life, as survivors evolve to seize the territory left vacant by the vanquished. This concluding episode explores the factors that make winners and losers in the game of life, and poses the question: who will triumph in the long run?"—Container

1 Video Cassette (ca. 60 min.)

QH546.3 .S87 2001

**Survivors of the Skeleton Coast.**

National Geographic Society (1993)  
 An exploration of the Skeleton Coast along the southwestern shore of Africa. Focuses on the elephants of the Namib Desert and how they traverse 40-50 miles of desert to reach the coast.  
 Video Cassette (55 min.)  
 QL 337 N27 S87

**Tales from the Hive.**

WGBH Boston Video (2000)  
 Specially developed macro camera lenses are used to portray a year in the life of a working bee colony. Exposes the secret world of a bee colony, including life-or-death battles, attacks on the hive and the meaning of a scout bee's dance.  
 Video Cassette (1 hr.)  
 QL565 .T34 2000

**A Taste of Health.**

Documentary Educational Resources (1991)  
 Examines the link between diet and health, focusing on the deleterious effects of a high-fat diet.  
 Video Cassette (1 hr.)  
 TX 553 L5 T38

**Translating the Code: Protein Synthesis.**

Human Relations Media (1991)  
 Presentation of the current state of knowledge of the genetic code. Combines an illustration of the basic elements comprising the central dogma of molecular genetics with examples of exceptions to the rule.  
 Video Cassette (27 min.)  
 Guide  
 QH 450.2 T73

**Tree Flowers.**

Ward's Natural Science Est. (197?)  
 35 Slides  
 Guide (2 p.)  
 QK 477 H37

**Tree Fruits.**

Ward's Natural Science Est. (197?)  
 Shows a representative series of fruit types borne on common trees. Includes pine and juniper cones and yew seeds for comparison and contrast.  
 28 Slides  
 Guide (2 p.)  
 QK 477 H37

**The Trials of Life.**

Turner Home Entertainment (1992)  
 Arriving  
 Growing Up  
 Finding Food  
 Hunting & Escaping  
 Finding the Way  
 Homemaking  
 Living Together  
 Fighting  
 Friends & Rivals  
 Courting  
 Continuing the Line  
 Talking to Strangers  
 12 Video Cassettes (50 min. ea)  
 QI 751 T75 vol. 1-12

**Triumph of Life (Series)**

PBS Home Video (2001)  
 See entries by title for summaries.  
 1. The Eternal Arms Race.  
 2. The Four Billion Year War  
 3. The Mating Game.  
 4. The Survivors.

**Tropical Vegetation.**

Hubbard Scientific Co. (1973)  
 Depicts plants found primarily in southern Florida and the Caribbean Islands.  
 20 Slides  
 Guide (1 p.)  
 QK 936 T76

**Two Hearts That Beat as One.**

Films for the Humanities (1988)  
 Describes the structure and functioning of the heart. Analyzes the three basic components of the heart -- muscle, valves, and pacemaker-- and shows how each one contributes to the demands of daily life.  
 Video Cassette (26 min.)  
 QP 111.4 T86

**Understanding Sex.**

Films for the Humanities & Sciences  
(1999)

Experts and scientists discuss a variety of topics related to sex and reproduction.

Video Cassette (52 min.)  
HQ 12 U53

**The Universe Within.**

WGBH (1995)

Covers the coordination of muscles, bones, heart and circulatory system that makes Mike Powell the world's greatest long jumper; the digestive dynamo that turns a simple sandwich into raw energy for a blistering sprint down the ice; and the ultimate event --- the development of a new human life inside track star Karen Hatchett.

Video Cassette (1 hr. )  
QP 38 U55

**The Unknown World.**

WGBH Video (1996)

Lennart Nilsson's micro-photography introduces the viewer to the world of microscopic insects and microorganisms that live on and in our bodies and our homes.

Video Cassette (57 min.)  
QR171.A1 U55

**Unseen Life on Earth: An Introduction to Microbiology.**

Annenberg (1999)

1. The Microbial Universe
2. The Unity of Living Systems
3. Metabolism
4. Reading the Code of Life
5. Genetic Transfer
6. Microbial Evolution
7. Microbial Diversity
8. Microbial Ecology
9. Microbial Control
10. Microbial Interactions
11. Human Defenses
12. Microbes & Human Diseases

12 Video Cassettes (30 min. ea)  
QR 56 U57

**Unwelcome Guests.**

KUAT Communications Group(1997)

For a variety of reasons, exotic species exist in just about every habitat on earth. This program focuses on the impact "exotics" have on their non-native environments. Species examined include the Green Sunfish, Crayfish, and some exotic grasses. The program looks at how decisions are made regarding what to do about non-native species.

1 Video Cassette (28 min.)  
QL719.S85 U58

**Vegetation of the Tropics.**

Ward's Natural Science Est. (197?)

Contents: Evergreen rain forest, mossy forests, temperate forests, supra-tree lined communities, Littoral communities, seasonal communities, Savanna.

77 Slides  
Guide (3 p.)  
QK 936 H63

**The Virus that Cures.**

BBC (1998)

Can the Western world be persuaded to adopt a sewage virus as a cure?

Video Cassette (50 min.)  
QR 342 V57

**Volcanoes of the Deep.**

WGBH Boston Video (1999)

Discusses how sea life thrives on the ocean floor on superheated volcanic chimneys and shows a mission to use a submersible to bring volcanic chimneys to the surface.

Video Cassette (1 hr. )  
GC87.6.V64 V64 1999

**The Voyage of Charles Darwin.**

BBC & Time-Life Films (1980)

It was aboard the H.M.S. Beagle that Charles Darwin first formed his ideas on the origin of species. Darwin's own account of his scientific expedition to South America is the basis of this dramatized documentary, filmed at the locations he visited.

4 Video Cassettes (52 min. ea)  
QH 31 D2 V69

**Water Crisis in the United States.**

National Public Radio

People from three areas of the country describe how they are dealing with their individual water problems. Roles played by weather, industry and politics are explored.

Cassette

QH 541.5 W3 W37

**Web of Life.**

PBS (1991)

Considers the human quest to understand and control the genetic basis of life. Explores the ethical questions we face as the human dominion over nature.

Video Cassette (28 min.)

QH 442 S64

**Western Plant Ecology.**

Ward's Natural Science Est. (197?)

Tray 1: Lower Sonoran Zone, Transition Zone, Canadian Zone

Tray 2: Upper Sonoran Zone, Hudsonian Zone, Alpine Zone.

148 Slides

Guide

QK 142 Z54 trays 1-2

**Wetlands Park: Las Vegas Wilderness.**

Real to Reel Series (1983)

Takes a look at the future of Wetlands Park. The park is filled with hundreds of species of birds and many other forms of wildlife.

Video Cassette (30 min.)

F 847 C5 W47

**Whales in Crisis**

Warner Home Video (2006)

Shows the most recent findings about whales.

1 videodisc (56 min.)

QL737.C4 W444 2006

**[Whales] The California Gray Whale.**

U.S. Dept. of the Interior (1983?)

Annual migration of the whale from the Arctic to Mexico via California west coast.

Video Cassette (30 min.)

QL 737 C425 C35

**[Whale Songs] Deep Voices: The Second Whale Record.**

Disc

QL 737 C4 D43

**[Whale Songs] Ocean of Song Whale Voices.**

Disc

QL 737 C4 033

**[Whale Songs] Songs of the Humpback Whale.**

Disc

QL 737 C4 S68

**What Darwin Never Saw**

Kurtis Productions (1995)

Peter and Rosemary Grant document the process of natural selection among finches of the Galapagos Islands, occurring within a human lifetime.

Video Cassette (57 min.)

QL696.P246 W454 1995

**What Makes Us Tick?**

Films for the Humanities (1991)

Explores the relationship between genes and environment in the formation of human personality. Shows the important part being conceded to genetics in the nature-nurture controversy. Shows how infants react to stress, express anger and respond to deprivation of stimuli. Compares outgoing and shy behavior and looks at the biological bases of thrill seeking behavior.

Video Cassette (24 min.)

BF 698 W45

**Why Dogs Smile & Chimpanzees Cry.**

Discovery Channel Video (2000)

Documentary filmmakers and scientists in fields as diverse as paleontology, embryology, and neurobiology report evidence in support of the emotional life of wild and domestic animals.

1 videodisc 4 3/4 in (ca. 100 min.)

QL785.27 .W48 2000

**Wild Horses.**

Nebraska ETV Network and South Dakota Public Television (1999)

Discusses the wild horses of the American West and wild horse adoption.

Video Cassette (57 min.)

SF360.3.U6 W53 1999

**Wild Horses of the Nevada Desert.**

Direct Cinema (1988)

Explores the social order of wild stallions and their harems, including a look at their prehistoric origins. Probes the animals' conflict with man.

Video Cassette (29 min.)

SF 360.3 U6 W55

**Wild in the City: A Complete Guide to Growing Your Own Wildlife Oasis.**

Wild Hare Media (1991)

Information for creating a wildlife refuge in your own yard. Includes developing a habitat plan, choosing low maintenance trees, shrubs, and flowers, designing and installing a pond, creating hummingbird and butterfly gardens, and selecting native plants.

Video Cassette

Book (48 p.)

QL 59 W54 (Arch Media)

**Winding Your Way Through DNA.**

CSHL Press (1992)

Symposium held at Palace of Fine Arts Theatre, San Francisco Sept., 1992.

6 Video Cassettes

Program Booklet (32 p.)

QP 624 W55 Tapes 1-6

**Wolf: An Ancient Spirit Returns.**

Bullfrog Films (2004)

Reexamines the relationship between humans and wolves. "Over centuries Europeans' hatred of wolves grew as farms and livestock grazing lands replaced forests, squeezing the wolf's natural habitat. When Europeans came to the Americas, they brought their legends, myths, and fear of wolves with them. But the attitudes of the native peoples of North America toward wolves was vastly different ... Which view of the wolf is true? Are they bloodthirsty or benevolent? What is their role in the ecosystem? ... What is a proper relationship between humans and this ... predator species?"—Container.

1 videodisc (45 min.)

QL737.C22 W62 2004

**Wolves.**

PBS (1991)

Focuses on controversial efforts to revive populations of several wolf species in the lower 48 states.

Video Cassettes (1 hr.)

QL 737 C22 W647

**Wolves.**

National Geographic Video : Distributed by Warner Home Video (1999)

Discusses wolves and their reintroduction in Yellowstone National Park

1 Video Cassette (60 min.)

QL737.C22 W6473 2000

**[Wolves] The Language and Music of the Wolves.**

Disc

QL 737 C22 L3

**Woman and Man. The Human Animal.**

Films for the Humanities (1988)

See summary in Sociology section.

Video Cassette (58 min.)

BF 692.2 P45

**Yellowstone.**

The Reader's Digest Assn. (1988)

Tour of the scenic wonders and wildlife of Yellowstone National Park.

Video Cassette (55 min.)

F 722 Y357