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ABSTRACT

This directory presents an annotated bibliography of non-print information resources dealing with solar energy. The document is divided by type of audio-visual medium, including: (1) Films, (2) Slides and Filmstrips, and (3) Videotapes. A fourth section provides addresses and telephone numbers of audiovisual aids sources, and lists the page numbers of entries presented previously and available from the respective source. (RE)

In Cooperation with the U.S. Department of Energy

Wonders

Contents

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Films

BILL LOOSELY'S HEAT PUMP
1976, 10 Minutes, 16 mm (also on videocassette), Color, Junior High to Adult.
Describes how Bill Loosely's house is heated with the aid of a heat pump which uses solar energy stored in the ground below the frost level. With animated diagrams Bill explains the basic principle of all heat pumps. His own provides a return in heat six times greater than the energy required to run it.
Rental: $18.50 postpaid — from: Bullfrog*
Purchase: $150.00 — from: Bullfrog*

BUILD YOUR OWN GREENHOUSE - SOLAR STYLE
1978, 21 Minutes, 16 mm, Color.
Presents visual evidence of the simplicity and effectiveness of a well-designed solar greenhouse. Focuses on the advantages of having supplemental solar heating, a year-round vegetable garden,, and additional low-cost living space for the home.
Rental: $58.50 / 3 days — from: Danamar*
Purchase: $350.00 (includes books) — from: Danamar*

A BUILDING IN THE SUN
1979, 20 Minutes, 16 mm, Color, Junior High to Adult.
Depicts an economical and attractive commercial-size underground solar building. The architect and solar engineer explain, with the aid of animation, the environmental, aesthetic, and energy considerations that went into the design and construction of the Cary Arboretum's new Plant Science Building in Millbrook, NY.
Rental: $23.00 — from: Griffen*
$31.00 postpaid — from: Bullfrog*
Purchase: $230.00 — from: Griffen*
$290.00 — from: Bullfrog*

A CITY FARMSTEAD
1978, 15 Minutes, 16 mm, Color.
Examines the life support systems of the integral urban house, including its solar systems, waste recycling, and urban food production. One important message in the film is the need to shift from our present petroleum-based economy to a solar-based economy.
Rental: $25.00 / 1 day — from: Phoenix*
Purchase: $240.00 — from: Phoenix*

DAWN OF THE SOLAR AGE: SOLAR ENERGY
29 Minutes, 16 mm (also on videotape), Color.
Explores the problems of whether solar power can be efficiently and economically harnessed, and who will collect and distribute solar energy. From the NOVA series.
Rental: $40.00 / 3 days — from: Time-Life*
$15.00 — from: U. Minnesota*
Purchase: $375.00 — from: Time-Life*

*see List of Sources

THE DAY AFTER TOMORROW
1974, 30 Minutes, 16 mm, Color, Junior High to Adult.
Looks at the search for alternative energy sources for the next century, including solar, geothermal, and thermonuclear fusion. Includes solar possibilities from solar-heated homes to solar power farms and satellite solar power stations.
Rental: $35.00 / week — from: Great Plains*
Purchase: $410.00 — from: Great Plains*

DESERT CLOUD
1976, 18 Minutes, 16 mm, Color, Junior High to Adult.
Shows the Desert Cloud, a self-inflating solar air structure which takes off from the desert floor in Kuwait. The cloud creates precious shade, and even causes "rain" to fall as water condenses on its undersurface. The film also discusses Islamic architecture, which has taken advantage of solar energy for generations.
Rental: $28.50 postpaid — from: Bullfrog*
Purchase: $250.00 — from: Bullfrog*

DESIGN WITH THE SUN: PASSIVE SOLAR ARCHITECTURE
1979, 28 Minutes, 16 mm, Color.
A tour with leading solar experts, from Vermont to California, who describe innovative designs and building techniques which use passive solar principles. The film covers basic passive concepts, climatic and site considerations, construction materials and techniques, and other design details.
Rental: $58.50 — from: Danamar*
Purchase: $375.00 — from: Danamar*

DON'T CUT US OFF
16 Minutes, 16 mm, Color.
Documents the activities of four communities in solving a common national problem - the high cost of energy as it affects the poor and elderly.
Rental: free. — from: DOE*

ENERGY - A FAMILY ALBUM
9 Minutes, 16 mm, Color.
Presents a history of energy in America and the nation's plan to keep ahead of energy demands. Also discusses alternate sources of energy such as geothermal and solar energy.
Rental: free — from: DOE*
Purchase: $52.25 — from: NAVC*

ENERGY: A MATTER OF CHOICES
1973, 22 Minutes, 16 mm, Color.
Employs old film footage, animation, and TV commercials in a clear and humorous explanation of the attitudes and technological forces that are the basis for our patterns of energy consumption. Shows that every technological proposal to meet the energy crisis involves some inherent problem or difficulty. Cautions that the choices available in resolving the energy crisis may require substantial changes in our way of life.
Rental: $27.00 — from: U. California*
Purchase: $290.00 — from: Britannica*

ENERGY FOR THE FUTURE
1974, 17 Minutes, 16 mm, Color.
Features alternative energy utilization, including a geothermal facility in California and a coal gasification plant in Chicago. Chief emphasis is on solar

technologies. Considers the social and environmental consequences of changing to new energy sources.
Rental: $23.00 from: U. California*
Purchase: $240.00 from: Britannica*

ENERGY FROM THE DAY STAR
1979, 22 Minutes, 16 mm, Color.
Explores the reality of solar energy today in a context of universal human values, and examines the pragmatic and philosophic implications of this quiet revolution. Shows a number of passive solar buildings around the country and briefly introduces active systems.
Rental: $30.00 from: Essentia*
Purchase: $300.00 from: Essentia*
Preview for purchase consideration: $15.00
(fee may be waived for schools and libraries)

ENERGY: HARNESSING THE SUN
1974, 19 Minutes, 16 mm, Color.
Introductory film on the many forms of solar energy utilization. Describes the two basic types of solar collection - active and passive. Covers advantages and problems associated with solar utilization, and reviews current energy situation for fossil fuels, showing need for solar.
Rental: $33.00 from: U. California*

ENERGY: LESS IS MORE
18 Minutes, 16 mm, Color.
Investigates the need to slow the growth of energy consumption and ways in which this can be done.
Purchase: $280.00 from: Churchill*

ENERGY: NEW SOURCES
1974, 20 Minutes, 16 mm, Color.
Covers possible uses of solar cells and solar panels for hot water and temperature control in buildings, and solar heat for generation of electricity. This film also deals with geothermal energy and briefly covers energy from wind, tides, burning trash, methane, and thermal gradients.
Rental: $25.00 from: U. California*
Purchase: $300.00 from: Churchill*

ENERGY SOURCES...A MATTER OF POLICY
29 Minutes, 16 mm, Color.
Traces the historical use of energy in the U.S. and discusses the public policies necessary to curb energy use and develop alternative energy sources.
Rental: $11.00 / 3 days from: U. Colorado*
Purchase: $333.00 from: U. Colorado*

ENERGY: THE ULTIMATE PROBLEM
10 Minutes, 16 mm, Junior/Senior High School.
Focuses on the social implications of the energy shortage and on the government's role in encouraging conservation and developing new sources of energy.
Purchase: $155.00 from: Coronet*

ENERGY: TOWARDS THE AGE OF ABUNDANCE
1972, 22 Minutes, 16 mm, Color.
Documents growing energy needs and use, especially in North America, and surveys possible future energy sources, including nuclear fission and controlled fusion

*see List of Sources

reactors, tidal power, and solar energy. Also explores criticisms of nuclear power plants by conservationists and local residents.
Rental: $33.00 from: U. California*
Purchase: $40.00 from: Document*

FUTURE FUELS
1973, 20 Minutes, 16 mm, (also on videocassette), Color.
Discusses scientific research currently being conducted on new energy sources, especially solar power and fusion power. Also touches on coal gasification, magnetohydrodynamics (MHD), shale, geothermal power, and nuclear breeder reactors.
Rental: $24.00 from: U. California*
$30.00 from: Films, Inc.*
Purchase: $270.00 from: Films, Inc.*

THE GREAT ADVENTURE
See - SOLAR ENERGY: THE GREAT ADVENTURE

HARVEST OF THE SUN
15 Minutes, 16 mm, Color.
Describes some of the ways in which the energy of the sun is being harnessed and put to everyday use in homes, business, and industry.
Rental: $20.00 from: Colorado State*
Purchase: $200.00 from: Colorado State*

HERE COMES THE SUN
1974, 15 Minutes, 16 mm, Color.
In Massachusetts, Maryland, Virginia, and Minnesota solar energy "goes to school" as students, teachers, and their communities find solar heating an important asset in helping to relieve the energy shortage, and in the process learn how the systems work. Shows collectors, control centers, a solar experimental van, etc.
Rental: free from: DOE*
Purchase: $87.00 from: NAVC*

HOW TO MAKE A SOLAR HEATER
20 Minutes, 16 mm, Color.
Explains principle of solar energy applications, especially first generation of solar heaters. Shows step-by-step construction of a functional solar heater at a cost of less than $100. Do-it-yourself approach suggests a classroom project.
Purchase: $290.00 from: Handel*

LOOK TO THE SUN
1977, 12 Minutes, 16 mm, Color.
An historical review of solar energy projects and a look at those planned for the future. Professionals across the country discuss the costs, financing procedures, hardware, and construction of solar projects.
Rental: free from: DOE*
Purchase: $69.50 from: NAVC*

NEW MEXICO PASSIVE SOLAR BUILDINGS
14 Minutes, 16 mm (also on videocassette), Color.
A semi-technical film on passive solar buildings in New Mexico.
Rental: free from: DOE*
Purchase: $81.25 from: NAVC*

See List of Sources

NEW WESTERN ENERGY SHOW
1979, 24 Minutes, 16 mm (also on videocassette), Color, Elementary School to Adult.
An inspirational show designed to raise awareness in young audiences about the benefits of solar energy. Based on the old-style medicine show, the revue includes skits, a ventriloquist act, singing and dancing - all revolving around using energy wisely and switching to the sun.
Rental: $33.50 postpaid — from: Bullfrog*
Purchase: $350.00 — from: Bullfrog*

THE OTHER WAY
1975, 26 Minutes, 16 mm (also on videocassette), Color.
Economist E. F. Schumacher suggests that the solution to the energy crisis may lie in new life-styles rather than increased production of fossil fuels. He offers ideas for a transition away from current energy use patterns and for new personal choices necessitated by the energy crisis.
Rental: $35.00 — from: Time-Life*
Purchase: $335.00 — from: Time-Life*

A PLACE TO LIVE
1978, 24 Minutes, 16 mm, Color.
Concerns the Shelter Institute of Bath, Maine, a school that teaches people to build their own homes which are energy efficient, economical, and ecologically sound. Shows how to take advantage of sun, trees, and prevailing winds.
Rental: $75.00 (can be applied to purchase) — from: Lumen-Bel*
Purchase: $375.00 — from: Lumen-Bel*

THE POWER TO CHANGE
1980, 27 Minutes, 16 mm, Color.
Introduces the basic concepts of appropriate technology by focusing on eight projects and businesses around the United States, ranging from urban composting to rural solar systems. The film demonstrates that alternatives to traditional patterns of energy production, distribution, and use are workable realities.
Rental: $40.00 — from: Third Eye*
Purchase: $375.00 (preview at no charge to organizations with film collections) — from: Third Eye*

PROJECT SAGE
8½ Minutes, 8 mm and 16 mm, Color.
Documents installation of solar collectors and appropriate piping to supply hot water to 40 apartment units at a small complex south of Los Angeles. Shows that, contrary to popular belief, the process is very simple and a great deal of fossil fuel can be saved by such projects.
Rental: free — from: DOE*

PUTTING THE SUN TO WORK
1974, 5 Minutes, 16 mm.
Explains some of the research being done in the solar field to reduce costs, improve efficiency, etc. Covers collectors for home heating, power farms, and solar thermal power plants.
Rental: free — from: DOE*
Purchase: $29.00 — from: NAVC*

SAVING ENERGY AT HOME
13 Minutes, 16 mm, Color,
Pinpoints some major areas of energy waste around the house and provides specific tips on how to reduce energy consumption and energy bills. Contains straightforward

*see List of Sources

facts and suggestions. National Educational Film Festival award in 1975.
Rental: $17.00 from: Ramsgate*
Purchase: $180.00 from: Ramsgate*

SOLAR ENERGY: HOW IT WORKS
1979, 16 Minutes, 16 mm (also on videocassette), Color, Junior High.
Presents simple experiments for capturing and converting solar energy and explains commercial applications.
Purchase: $240.00 from: Churchill*

SOLAR ENERGY: THE GREAT ADVENTURE
1979, 27½ Minutes, 16 mm, Color.
Introduces a diverse group of people who have developed their own solar energy systems, both urban and rural. This film presents a unique look at American ingenuity at the grassroots level.
Rental: free from: DOE*
Purchase: $162.50 from: NAVC*

THE SOLAR FRONTIER
1977, 24 Minutes, 16 mm, Color, Junior High to Adult.
Discusses the applications of solar energy in the snow belt region. The narration is primarily done by architects who have built solar homes for average-income families and by the people who live in these homes.
Rental: $33.50 postpaid from: Bullfrog*
$12.50 from: U. Minnesota
Purchase: $350.00 from: Bullfrog*

THE SOLAR GENERATION
1976, 21 Minutes, 16 mm, Color, Junior/Senior High School.
Examines the history of solar energy use, beginning with Archimedes, and explains the future possibilities through solar research, including the solar cell.
Rental: $35.00 from: Finley*
Purchase: $350.00 from: Finley*

SOLAR POWER
1980, 20 Minutes, 16 mm, Color, Junior High to Adult.
Tries to give a realistic view of the potential of solar power by explaining various methods of solar utilization, such as active and passive thermal heat management and photovoltaic production of electricity.
Purchase: $320.00 from: Handel*

SOLAR POWER: THE GIVER OF LIFE
29 Minutes, 16 mm, Color, High School to Adult.
Traces the advancements and difficulties involved in harnessing solar power from ancient eras to modern times. The underlying question is whether or not we are ready to rely on the sun for our future energy needs.
Rental: $11.00 / 3 days from: U. Colorado*
Purchase: $333.00 from: U. Colorado*

THE SOLAR PROMISE
1979, 28 Minutes, 16 mm (also on videocassette), Color, Junior High to Adult, Teacher's Guide.
Explains basic solar principles, and shows that individuals, not institutions, are providing most of the creative thinking in solar energy today. The film emphasizes

that space and water heating are the most appropriate use of today's solar technology, and demonstrates that passive solar is the way to go.
Rental: $38.50 postpaid — from: Bullfrog*
Purchase: $390.00 — from: Bullfrog*

SOLAR VISIONS
1979, 24 Minutes, 16 mm, Color, Junior High to Adult.
Follows a documentary reporter as she explores the possibilities of solar energy use by gathering information from government, university, and private industry sources.
Rental: $39.50 — from Malibu*
Purchase: $395.00 — from Malibu*

THE SUN: ITS POWER AND PROMISE
24 Minutes, 16 mm, Color, Junior/Senior High School.
Photography and animation are used to explore ways the sun's energy might be used to help replace the ever-dwindling supplies of fossil fuel. Examines the source and application of solar energy as well as traditional dependence on wind, petroleum, coal, and natural gas.
Rental: $25.00 — from: Britannica*
Purchase: $320.00 — from: Britannica*

SUN POWER FOR FARMS
1977, 12 Minutes, 16 mm, Color, High School to Adult.
To increase the world's food supply, farmers have been experimenting with solar-heated greenhouses and poultry and milk parlors; solar storage ponds; and solar dryers for peanuts and corn. Includes visits to some innovative project sites.
Rental: free — from: DOE*
Purchase: $69.50 — from: NAVC*

SUNBEAM SOLUTIONS
1974, 38 Minutes, 16 mm (also on videotape), Color.
Examines proposals to utilize solar energy and other energy alternatives to fossil fuels, including nuclear fusion. Argues for the need to recycle and to develop technological systems that use energy and resources more efficiently.
Rental: $34.00 — from: U. California*
Rental: $14.86 — from: U. Minnesota*
$40.00 / 3 days — from: Time-Life*
Purchase: $425.00 — from: Time-Life*

SUNBUILDERS
1979, 20 Minutes, 16 mm, Color.
Surveys simple low-cost construction techniques used to passively heat and cool homes. The film features a series of interviews with residents of passive solar homes, with builders, and with home loan officers of banks.
Rental: free — from: DOE*

SUN DRIED FOODS
1980, 30 Minutes, 16 mm Film (also on videotape and slides), Color, English or Spanish.
Demonstrates the drying of corn, fruits, herbs and meats by Native-American and Spanish-American families using traditional and modern solar methods. Teaching kits are available for Home Economics, Social Studies, Science, and Agriculture.
Purchase: $375.00 — from: Self-Reliance*

*see List of Sources

SWITCH ON THE SUN
16 Minutes, 16 mm, Color, Primary to Senior High School.
Presents an explanation of the view that solar energy is the most feasible solution to the shortage of fossil fuel supplies. There is also a discussion of how solar equipment is currently being used and options for future development.
Rental: $17.00 / 1 day — from: Xerox*
Purchase: $290.00 — from: Xerox*

TERRASET SUN
1978, 20 Minutes, 16 mm (also on videocassette), Color.
Depicts the development, planning, and operation of a solar underground elementary school in Reston, Virginia.
Purchase: $325.00 — from: Solarium*

TO CAPTURE THE POWER OF SUN AND TIDE: UNLIMITED ENERGY...NO POLLUTION
1974, 22 Minutes, 16 mm, Color.
Examines the prospects for future utilization of tidal and solar energy. Visits the world's only operating tidal power plant. Surveys research on solar energy, including an experimental solar residence in France and inexpensive Canadian solar power systems for widespread residential use.
Rental: $33.00 — from: U. California*
$40.00 — from: Document*

UNDER THE SUN
1977, 23 Minutes, 16 mm, Color.
Tells about the National Training Fund's involvement in pilot solar projects and promotes solar home heating to workers and contractors.
Rental: free to organizations and institutions sending written requests on letterhead. — from: N.T.F.*

WHEN THE CIRCUIT BREAKS - AMERICA'S ENERGY CRISIS
1975, 28 Minutes, 16 mm, Color.
Examines traditional sources of energy and present-day shortages. Also discusses the need to conserve and develop alternative forms of energy.
Purchase: $162.50 — from: NAVC*

Slides and Filmstrips

APPROPRIATE TECHNOLOGY
137 Slides, 35 mm, Synchronized Audiocassette, Color.
Explores the basic ideas of E. F. Schumacher, the British economist and author of Small Is Beautiful. Draws examples from China and other Third World nations but concentrates on appropriate technology in the U.S. Introduces and defines important concepts and terms and illustrates why this movement is attracting increasing attention in the U.S.
Rental: $125.00 (can be applied to purchase) from: Christensen*
Purchase: $350.00 from: Christensen*

ATTACHED SOLAR GREENHOUSES
See - SOLAR GREENHOUSE SLIDE SERIES.

BUILDING AND PASSIVE SYSTEMS
30 Slides, 35 mm, Color.
Demonstrates concepts of passive solar collection using building materials and designs for energy conservation and solar utilization.
Purchase: $23.95 from: Solar-Ed*

COMMERCIAL, MULTIFAMILY RESIDENTIAL AND LARGE SCALE DEMONSTRATION SOLAR SYSTEMS
20 Slides, 35 mm, Color, Audiocassette.
Presents several commercial projects, along with apartments and condominiums. Includes both passive and active solar designs.
Purchase: $20.00 from: S.E.E.S.*

COMMERCIAL SOLAR INSTALLATIONS
40 Slides, 35 mm, Audiocassette.
Shows buildings with solar systems, including motels, warehouses, offices, high-rise apartments, condominiums, medical complexes, coin-op laundries, and car washes. Accompanying materials give details on installation costs, collector and storage area, performance, and expected payback.
Purchase: $40.00 from: Solar Engineering*

COMMUNITY SOLAR GREENHOUSES
See - SOLAR GREENHOUSE SLIDE SERIES.

CONCENTRATING SOLAR COLLECTORS
30 Slides, 35 mm, Color.
Shows concentrating collectors and high-temperature solar systems. Illustrates history of solar devices and the functional principles of optics (refleetion and refraction).
Purchase: $23.95 from: Solar-Ed*

*see List of Sources

ENERGY ANT FILMSTRIP SET: WHAT IS ENERGY - WHAT IS ENERGY CONSERVATION
17 Minutes, 35 mm Filmstrip, Audiocassette, Color, Elementary School.
Series developed by the Federal Government. This filmstrip uses animation to explain conservation to young children.
Purchase: $15.00 from: NAVO*

ENERGY: CRISIS AND CHALLENGE
1979, 78 Slides, 35 mm, Color, 12 Minute Audiocassette, Junior High to Adult.
Gives an overview of the earth's energy systems, the United States' habit of energy extravagance, and the available energy alternatives.
Rental: $28.50 from: Projections*
Purchase: $98.50 from: Projections*

ENERGY FOR TOMORROW
3 Filmstrips, 14 Minutes Each, 35 mm, Audiocassettes, Study Guides.
The first filmstrip is on energy alternatives, an overview of alternate energy resources; the second is on solar energy, an overall coverage of various uses of solar energy; and the third is on nuclear energy, uses of nuclear energy for power and the problems involved.
Purchase: $64.50 from: Educational Materials*

ENERGY SLIDE SHOW
120 Slides, 35 mm.
Emphasizes the use of renewable energy sources, with background material on energy shortage and conservation. Suitable as introduction to energy issues and can be adapted for more technically oriented audiences. Producer will provide narrator and discussion leader in exchange for honorarium and travel expenses.
from: C.A.N.*

ENERGY STORAGE
25 Slides, 35 mm, Color.
The intermittent nature of solar energy and the necessity for thermal storage are developed. Includes sample calculations and characteristics of energy storage systems.
Purchase: $23.95 from: Solar-Ed*

FLAT-PLATE SOLAR COLLECTORS
60 Slides, 35 mm, Color.
Presents functional principles of flat-plate solar collectors, including transmission of energy by glazing, absorption of energy, thermal fluids, and heat transfer concepts. Also includes slides of actual solar collectors, cut-away models, and solar installations.
Purchase: $49.95 from: Solar-Ed*

FOOD AND ENERGY FOR TODAY AND TOMORROW
1979, 110 Slides, 35 mm, Color, with 15 Minute Audiocassette and Guide.
Follows the design and construction of the Cheyenne Community Solar Greenhouse, a 5,000 square foot passive solar-heated structure. Explains the operation of a large solar greenhouse and covers the social benefits to the local population.
Rental: $30.00 plus $20.00 deposit from: Cheyenne*
Purchase: $90.00 from: Cheyenne*

FULL CIRCLE
40 Slides, 35 mm, Audiocassette.
Reviews a millennium of solar development in North America. Beginning with Pueblo structures in the Southwest, slides trace solar systems for heating and cooling to the present. Shows examples of early designs and solar homes from 1930's to present, plus view of the future proposed by leading architects. Presentation prepared and written by Donald Watson, a solar architect.
Purchase: $40.00 from: Solar Engineering*

A GOLDEN THREAD: 2500 YEARS OF SOLAR ARCHITECTURE AND TECHNOLOGY
1978, 78 Slides, 35 mm, Color and Black and White, Narration, Optional 16 Minute Audio-sync Cassette.
Traces the application of solar architecture and technology from Greek civilization to the present, showing numerous examples. Discusses the development of mechanical solar home heating systems and gives examples of modern solar energy applications.
Purchase: $90.00 / slides from: Butti/Perlin*
$ 7.00 / Audio-Sync Cassette from: Butti/Perlin*

HARNESSING SOLAR ENERGY
See - SOURCES OF ENERGY (Filmstrip).

HOW TO DESIGN AN ENERGY CONSERVING HOUSE
1979, 80 Slides, 35 mm, Color, 43 minute Cassette.
Gives details of super-insulation, window design, heat loss, and solar gain in house design.
Purchase: $80.00 from: U. Illinois*

MANUFACTURED DOMESTIC USE SOLAR SYSTEMS
20 Slides, 35 mm, Color, Audiocassette.
Presents a mixture of commercially designed and manufactured active and passive solar systems for heating and cooling; most are incorporated into single-family residential buildings.
Purchase: $20.00 from: S.E.E.S.*

MEASUREMENT AND CONTROL SYSTEMS
25 Slides, 35 mm, Color.
Shows techniques and devices used in measuring solar irradiance and temperature, and control system components.
Purchase: $23.95 from: Solar-Ed*

NEW SOURCES OF ENERGY
50 Slides, 35 mm, Printed Narration.
30 Minute Filmstrip, Audiocassette (narrated by Rod Serling).
Reviews several potential new sources of energy and their environmental problems, including coal gasification, tar sand, oil shale, methyl alcohol, nuclear, geyser steam, solar collectors, solar-electric cells, a solar concentrator, wind, and conversion of sewage to methane gas.
Purchase: $55.00 slides from: Ruhle*
$27.50 filmstrip from: Ruhle*

*see List of Sources

"NORTH" COLLECTOR WORKSHOP
20 Slides, 35 mm, Color, Audiocassette.
Shows step-by-step the process involved in building a low-cost air-type solar heating panel invented by Bill North. Taken during a grassroots do-it-yourself workshop, the show depicts the simplicity of solar energy and some inexpensive and practical applications.
Purchase: $20.00 from: S.E.E.S.*

OWNER-BUILT SOLAR SYSTEMS
20 Slides, 35 mm, Color, Audiocassette.
Emphasizes the diversity of solar energy applications and shows examples ranging from a solar cooker to an adobe home with attached solar greenhouse.
Purchase: $20.00 from: S.E.E.S.*

PASSIVE SOLAR ENERGY
6 Slide Sets, 20 Slides Each, 35 mm, Written Description by Dr. J. D. Balcomb.
Set A - PASSIVE SOLAR ENERGY - GENERAL: An introduction to passive uses of solar energy including definitions and pictures of direct gain, thermal storage walls, attached greenhouses, natural convection, and roof pond systems.
Set B - PASSIVE SOLAR ENERGY - DIRECT GAIN: Includes eleven different direct gain applications in various climates.
Set C - PASSIVE SOLAR ENERGY - SOLAR: Explores three vital considerations of passive solar design: geometry, shading, and moveable insulation.
Set D - PASSIVE SOLAR ENERGY - THERMAL STORAGE WALLS: Includes masonry Trombe walls, drum walls, and combination water and masonry walls.
Set E - PASSIVE SOLAR ENERGY - ATTACHED GREENHOUSES: Shows twelve different applications of both integral and retrofit greenhouses.
Set F - PASSIVE SOLAR ENERGY - CONVECTIVE LOOPS AND ROOF PONDS: Illustrates water and air convective systems and roof ponds in California and New Mexico.
Purchase: each set-$12.75 nonmembers from NMSEA*
$10.75 members from NMSEA*
all six sets-$79.50 nonmembers from NMSEA*
$64.50 members from NMSEA*

POWER SOURCES OF THE FUTURE
See - SOURCES OF ENERGY (Filmstrip).

PUTTING THE SUN TO WORK
See - SOLAR ENERGY (2) Filmstrip set.

RETROFIT OF A SUBURBAN HOME
20 Slides, 35 mm, Audiocassette.
Describes the air system designed and installed by engineer Charles Thomsen in his Nebraska home. Script (on cassette) written by Thomsen.
Purchase: $30.00 from: Solar Engineering*

SHOWCASE OF SOLAR HOMES
40 Slides, 35 mm, Audiocassette.
Shows solar houses and test installations open to the public in various parts of the U.S. Houses vary in price range, type of architecture, and system. Set includes both private and government-funded projects, demonstration and test houses, and universities.
Purchase: $40.00 from: Solar Engineering*

SOLAR ARCHITECTURE: THE LAST 7000 YEARS
1980, 50 Slides, 35 mm, Color and Black and White, Narration, Optional 11 Minute Audio-sync Cassette.
Traces the development of solar architecture from the Neolithic Chinese Pit-Dwelling to the present. Uses illustrations and diagrams to describe ancient architecture and urban planning, and outlines reasons for the application or ignorance of solar building principles over the last 7000 years.
Purchase: $58.00 / slides — from: Butti/Perlin*
$ 7.00 / audio-sync cassette — from: Butti/Perlin*

SOLAR ENERGY (1)
1978, 2 Filmstrips, 80 Frames Each, With Record or Audiocassette, Color.
PART I - SUNSHINE KIDS: Describes a high school project to build a solar-heated greenhouse.
PART II - SOLAR ENERGY AT WORK: Describes basic principles used in solar heating and energy conservation.
Purchase: $21.00 each, $39.00 both — from: Crystal*

SOLAR ENERGY (2)
1977, 2 Filmstrips, Color with Record or Cassette, Grades 4 to 6.
PART I - THE SUN: AN OLD SOLUTION TO A NEW PROBLEM: Explains the shortcomings of fossil and nuclear fuels, and uses a short history of solar energy to introduce devices invented to apply solar energy to today's needs.
PART II - PUTTING THE SUN TO WORK: Explores different solar space-heating systems, as well as a solar electrical power plant and other uses for solar energy.
Purchase: $33.00 both — from: Educational Activities*

SOLAR ENERGY AT WORK
See - SOLAR ENERGY (1) Filmstrip set.

SOLAR ENERGY AVAILABILITY
30 Slides, 35 mm, Color.
Compares available solar energy to the energy content of conventional field sources and shows topics related to energy measurement and collection. Illustrates the availability of solar energy and seasonal variations.
Purchase: $23.95 — from: Solar-Ed*

SOLAR ENERGY: READY WHEN YOU ARE
1977, 140 Slides, 35 mm, Color, Audiocassette.
Explores variety of solar technologies readily available for homes, apartments, office buildings, schools, and factories. Focuses on residential and commercial applications in different parts of the U.S.
Purchase: $41.50 — from: NAVC*

A SOLAR GREENHOUSE PROJECT
19 Slides, 35 mm, Audiocassette.
Describes various types of solar greenhouses; details construction of an attached solar greenhouse.
Purchase: $30.00 — from: Solar Engineering*

*see List of Sources

SOLAR GREENHOUSE SLIDE SERIES
7 Slide sets, 20 Slides each, 35 mm, Color, Audiocassette, Optional Transcript.
SET A - ATTACHED SOLAR GREENHOUSES: A general introduction to attached solar greenhouse applications in various climates.
SET B - DESIGN: Explicit schematics which show basic solar principles and their application to solar greenhouse design.
SET C - CONSTRUCTION: Detailed sequence of the actual building of solar greenhouses. Highlights most critical aspects of construction phase.
SET D - HORTICULTURE: Seasonal information on the planting, maintaining, and harvesting of food crops in the greenhouse.
SET E - INSECTS AND OTHER PROBLEMS: Instructions on how to deal with the common greenhouse pests, natural predators, and organic control.
SET F - COMMUNITY SOLAR GREENHOUSES: Examples from all over the country of this new concept in year-round food production.
SET G - SOLAR GREENHOUSES: The total integration of greenhouses as primary heating systems in new homes.
Purchase: $ 15.00 each set — from: Solar Sustenance*
$ 1.00 transcript — from: Solar Sustenance*
$100.00 total series — from: Solar Sustenance*

SOLAR GREENHOUSES
20 Slides, 35 mm, Color, Audiocassette.
Presents examples of attached and detached solar greenhouses, both owner- and commercially-built, which are used for food production, flower growing, and supplemental heating.
Purchase: $20.00 — from: S.E.E.S.*

SOLAR HEATING
15 Slides, 35 mm, 45 Minute Audiocassette.
Lecture by Dr. R. L. Field on "Design Manual for Solar Heating of Buildings and Domestic Hot Water." Includes an example of a residential solar heating system design problem.
Purchase: $15.00, #504 slide set — from: Solpub*
$10.00, #503 cassette — from: Solpub*

SOLAR HOMES
50 Slides, 35 mm, Printed Narration.
50 Frame Filmstrip, 35 mm, Color, 30 Minute Audiocassette.
Shows examples of houses and buildings with liquid flat-plate solar collectors, "Rollbond"® copper and aluminum absorber panels, extruded plastic and rubber solar collectors, reinforced concrete solar collector, trickling water solar collectors, energy storage systems, hot-air collectors, and various types of solar air-conditioning systems.
Purchase: $50.00 slides — from: Ruhle*
$25.00 filmstrip — from: Ruhle*

SOLAR POWER SYSTEMS
50 Slides, 35 mm, Color, Printed Narration.
50 Frame Filmstrip, 35 mm, Color, 30 Minute Audiocassette.
Features the non-domestic use of solar energy. Includes solar crop dryers, solar electric power systems, solar concentrators, heat engines, and a satellite solar power system.
Purchase: $55.00 slides — from: Ruhle*
$27.50 filmstrip — from: Ruhle*

SOLAR POWER: THE GIVER OF LIFE
13 Minute Filmstrip, Audiocassette, Junior High to Adult.
The sun's energy could supplement fuels from non-renewable sources. How can it be collected? How can it be converted? Is it practical? These questions form the basis for this program.
Purchase: $15.00 from: U. Colorado*

THE SOLAR QUEST
87 Frame Filmstrip, 11 Minute Audiocassette.
Shows developments in solar energy.
Purchase: $50.75 slides from: Polished Apple*
$35.75 filmstrip from: Polished Apple*

SOLAR SPEC HOMES
40 Slides, 35 mm, Audiocassette.
Shows variety of architectural styles and different solar systems that are used.
Shows solar homes in a number of price ranges.
Purchase: $40.00 from: Solar Engineering*

SOLAR WATER HEATING: THE LAST 100 YEARS
1980, 50 Slides, 35 mm, Color and Black and White, Narration, Optional 11 Minute Audio-sync Cassette.
Traces the evolution and use of solar heaters from the Nineteenth Century to the present. Using many vintage photographs, diagrams and illustrations, the set details the development of early heaters, the growth of the industry in California, Florida, and around the world, and examples of modern heaters.
Purchase: $58.00 / slides from: Butti/Perlin*
$ 7.00 / audio-sync cassette from: Butti/Perlin*

THE SOLARIZATION OF AMERICA
50 Slides, 35 mm, Audiocassette.
Covers the developing solar industry including the potential market, and a description of the types of products being produced by leaders in the industry. Illustrations of the various types of applications for solar systems in homes and commercial buildings are shown. Special use is made of product literature from manufacturers.
Purchase: $50.00 from: Solar Engineering*

SOURCES OF ENERGY:
2 Captioned Filmstrips, 45 Frames, 35 mm, Color.
HARNESSING SOLAR ENERGY: Deals with the sun as a never-ending source of energy, and with attempts to harness its energy to run machines, cook food, and charge batteries. The role of photosynthesis in plant life is explained.
POWER SOURCES OF THE FUTURE: Increasing stores and supplies of power will be required to meet the growing needs of exploding populations. Fuel cells, silver cells and various generators (MHD, thermoelectric, and thermionic) are examined as sources for power for the future.
Purchase: $8.00 each, $14.50 both from: Inquiry*

THE SUN: AN OLD SOLUTION TO A NEW PROBLEM
See - SOLAR ENERGY (2) Filmstrip set.

*see List of Sources

SUN DRIED FOODS
1980, Filmstrip or Slides (also in 16 mm film and videotape), Color, Audiocassette in English or Spanish.
Demonstrates the drying of corn, fruits, herbs, and meats by Native-American and Spanish-American families using traditional and modern solar methods. Teaching kits are available for Home Economics, Social Studies, Science and Agriculture.
Purchase: $80.00 from: Self-Reliance*

THE SUN'S ENERGY
Filmstrip, 35 mm, Audiocassette, Color, Elementary School.
Links solar energy to heat, electrical, chemical, mechanical, light and other energies familiar to man on earth. The important future of solar energy is explained.
Purchase: $7.50 from: Inquiry*

SUNSHINE KIDS.
See - SOLAR ENERGY (1) Filmstrip set.

WHAT IS ENERGY
WHAT IS ENERGY CONSERVATION
See - ENERGY ANT FILMSTRIP SET

VILLAGE HOMES SLIDE SET
1979, 20 Slides, 35 mm, Color.
Depicts the innovative development of solar energy projects in Davis, California.
Purchase: $20.00 postpaid from: Passive Institute*

WINDOW DESIGN TO CONSERVE ENERGY
Slides, 3 Parts, 25 Minutes Each, Audio.
Part one outlines window exterior strategies; part two, frames and glazing; and part three, interior strategies. Each strategy is designed to maximize at least one of the attributes of windows: passive solar heating, daylighting, shading, insulation, air tightness, and ventilation.
Purchase: $65.00 total set from: NAVC*

Videotapes

BILL LOOSELY'S HEAT PUMP
1976, 10 Minutes, Videocassette (also on 16 mm film), Color, Junior High to Adult.
Describes how Bill Loosely's house is heated with the aid of a heat pump which uses solar energy stored in the ground below the frost level. With animated diagrams Bill explains the basic principle of all heat pumps. His own provides a return in heat six times greater than the energy required to run it.
Rental: $18.50 postpaid — from: Bullfrog*
Purchase: $150.00 — from: Bullfrog*

A BUILDING IN THE SUN
1979, 20 Minutes, Videocassette (also on 16 mm film).
Depicts a working, economical, and attractive commercial-size underground/solar building. The architect and solar engineer explain, with the aid of animation, the environmental, aesthetic, and energy considerations that went into the design and construction of the Cary Arboretum's new Plant Science Building in Millbrook, NY.
Rental: $31.00 — from: Bullfrog*
Purchase: $290.00 — from: Bullfrog*

DAWN OF THE SOLAR AGE: SOLAR ENERGY
29 Minutes, Videotape (also in 16 mm film), Color.
Explores the problems of whether solar power can be efficiently and economically harnessed, and who will collect and distribute solar energy.
Rental: $40.00/3 days — from: Time-Life*
Purchase: $200.00 — from: Time-Life*

THE DAY AFTER TOMORROW
1974, 30 Minutes, 3/4", 1/2" Videocassette, Color.
Looks at the search for alternative energy sources for the next century, including solar energy, geothermal energy and thermonuclear fusion. Includes solar possibilities from solar-heated homes to solar power farms and satellite solar power stations, as well as research in geothermal and atomic fusion use.
Rental: $30.00 / week — from: Great Plains*
Purchase: $225.00 — from: Great Plains*

DESIGN AND INSTALLATION OF SOLAR HEATING AND COOLING SYSTEMS
2 Parts, 52 Minutes Each, 3/4" Videocassette, Color, by George Lof, Susumu Karaki, and Byron Winn of Colorado State University.
PART I: Review of solar energy systems, discussion of simplified design procedures, and discussion of solar system economics and installation procedures.
PART II: Discussion of automated design procedures for solar systems; the design and installation of sub-system components, and solar system economics.
Rental: $50.00 / 5 days each part — from: IIT/V* and AMCEE*
Purchase: $295.00 each part — from: IIT/V* and AMCEE*

*see List of Sources

ENERGY CONSERVATION IN ACTION
28 Minutes, Color, 3/4" Videocassette.
Views energy conservation and alternative energy activities and services of Region 2 of the U.S. Dept. of Energy, including New York State, New Jersey, Puerto Rico and the U.S. Virgin Islands.
Rental: $25.00 / week from: CEPR*

ENERGY CONSERVATION IN RESIDENTIAL CONSTRUCTION
25 Minutes, Color, Videotape.
Describes and illustrates the design and construction of the Energy Efficient Residence by the NAHB Research Foundation (20 minutes), and a series of aesthetically interesting residences which incorporate solar energy utilization in the original architectural design (5 minutes).
Rental: $25.00 / week from: CEPR*

ENERGY EFFICIENCY IN OFFICE BUILDINGS
30 Minutes, Color, Videotape.
A television program discussing the findings of a major three-year study on energy consumption in New York City office buildings. Presented in the form of an interview and illustrated with movie clips, photographs and charts.
Rental: $25.00 / week from: CEPR*

FLAT-PLATE SOLAR COLLECTORS, PART I AND PART II
58 Minutes Each, 3/4" Videocassette, by Harry McMillan, University of South Carolina.
Description of function of various parts of the flat-plate collector and some typical geometries. Mathematical model presented for collector efficiency and useful gain in terms of pertinent variables. Some practical considerations reviewed, and several features of current models are listed. Notes included.
Rental: $50.00 / 5 days from: IIT/V*
Purchase: $295.00 from: IIT/V*

FUTURE FUELS
1973, 17 Minutes, Videocassette (also on 16 mm Film), Color.
Discusses scientific research currently being conducted on new energy sources, especially solar power and fusion power. Also, touches on coal gasification, magnetohydrodynamics (MHD), shale, geothermal power, and nuclear breeder reactors.
Purchase: $205.00 from: Films, Inc.*

HOME WEATHERIZATION NOW
1978, 28 Minutes, Videocassette, Color, English or Spanish.
An inspiring program for self-help weatherization projects. Also depicts ways in which low-income families can obtain free help from community action agencies.
Rental: $25.00 from: Self-Reliance*
Purchase $125.00 from: Self-Reliance*

INSTITUTIONAL CONSIDERATIONS INVOLVING SOLAR ENERGY SYSTEMS
55 Minutes, 3/4" Videocassette, Black and White, by S. Lampert, University of Southern California and Gilbert Yanow, Caltech JPL.
Panel of experts from industry, government, and education discuss ramifications of various institutional, societal and economic measures upon development and growth of a solar energy industry. Issues such as uniform standards and regulations for solar

*see List of Sources

energy systems and their use, governmental responsibilities for planning and zoning, and educational programs for acceptance of solar as a meaningful alternative resource are discussed.
Rental: $50.00 / 5 days — from: IIT/V*
Purchase: $295.00 — from: IIT/V*

NEW MEXICO PASSIVE SOLAR BUILDINGS
14 Minutes, 3/4" Videocassette.
Gives a description of the major passive solar heating systems and how they work. Shows examples of privately owned buildings in New Mexico which make innovative use of the sun for winter heat.
Purchase: $80.00 — from: NAVC*

NEW WESTERN ENERGY SHOW
24 Minutes, Videocassette (also on 16 mm film), Color, Elementary School to Adult.
An inspirational show designed to raise awareness in young audiences about the benefits of solar energy. Based on the old-style medicine show, the revue includes skits, a ventriloquist act, singing and dancing - all revolving around using energy wisely and switching to the sun.
Rental: $33.50 postpaid — from: Bullfrog*
Purchase: $350.00 — from: Bullfrog*

THE OTHER WAY
1975, 26 Minutes, Videotape (also on 16 mm film), Color, High School to Adult.
Economist E. F. Schumacher suggests that the solution to the energy crisis may lie in new life-styles, rather than increased production of fossil fuels. He offers ideas for a transition away from current energy use patterns and for new personal choices necessitated by the energy crisis.
Rental: $35.00 — from: Time-Life*
Purchase: $235.00 — from: Time-Life*

SELECTIVE COATINGS AND EVACUATED COLLECTORS
2 Parts, 43 to 46 Minutes each, 3/4" Videocassette, Color, by Harold Blum and Charles Moore, Southern Methodist University.
PART I: Thermal resistance network is described which shows quantitatively the combined importance of selective coatings and vacuum in controlling useful energy produced in solar collectors. How vacuum affects losses is considered. A post-support evacuated model is shown. Design equations that relate losses to spacing, pressure level, and temperature are developed.
PART II: Selective coatings to enhance solar collection and lessen heat losses by radiation are discussed by considering basic energy equations, the thermal resistance model, and mechanisms of selectivity. Equipment to measure solar absorptivity and operating temperature emissivity are shown and described. Copper on galvanized steel selective coating is prepared, and samples of coatings displayed.
Rental: $50.00 / 5 days, each part — from: IIT/V*
Purchase: $295.00 each part — from: IIT/V*

SOLAR CONCENTRATORS
30 Minutes, 3/4" Videocassette, Color, by Kent Reed, Argonne National Laboratory.
Optical concentration of incoming solar energy reduces active absorber area required in a collector of a given acceptance aperture area. Potential benefits of this reduction in thermal and photovoltaic collectors is outlined. Limiting relationship between concentration and angular acceptance is presented, and implications in

concentrator collector design are discussed. Examples of nonfocusing and focusing collectors are described.
Rental: $50.00 / 5 days — from: IIT/V*
Purchase: $295.00 — from: IIT/V*

SOLAR DEMONSTRATION PROJECTS
60 Minutes, 3/4" Videocassette, Color, by J. Williams, Georgia Institute of Technology.
Schematic diagrams of typical solar heating and cooling systems presented along with typical hot water heating systems. Several case studies are shown ranging from small residential installations to a large elementary school and a large community center with ice rink. Presents overview of material in other tapes by showing real-world applications.
Rental: $50.00 / 5 days — from: IIT/V* and AMCEE*
Purchase: $295.00 — from: IIT/V* and AMCEE*

SOLAR ENERGY AND CONSUMER MARKETS
60 Minutes, 3/4" Videocassette, Black and White, by S. Lampert, University of Southern California and Gilbert Yanow, Caltech JPL.
Consumer-oriented considerations relative to the general acceptance of solar energy as an alternative energy resource are presented. Comparative costs of systems, legal aspects and regulations, financing problems, and incentives are given. Influence of rising costs and decreased availability of oil or natural gas are compared with installation and maintenance costs of solar energy systems.
Rental: $50.00 / 5 days — from: IIT/V*
Purchase: $295.00 — from: IIT/V*

SOLAR ENERGY: HOW IT WORKS
16 Minutes, Videocassette (also on 16 mm film), Color, Junior High.
Presents simple experiments for capturing and converting solar energy and explains commercial applications.
Purchase: $240.00 — from: Churchill*

SOLAR ENERGY TODAY
55 Minutes, 3/4" Videocassette, Color.
Full-color television program on present-day solar energy applications and related energy-conserving building design. Presented in an interview with Fred S. Dubin, nationally recognized expert in the fields of solar energy applications and energy-conserving building design. Illustrated with photographs of solar homes and other installations.
Rental: $25.00/week — from: CEPR*

SOLAR HOUSE DESIGN
49 Minutes, 3/4" Videocassette, Color, by W. Shick, S. Konzo, R. Jones, W. Harris of the University of Illinois.
Describes a house designed as an efficient solar collector-storage unit, including super-insulated enclosures and south triple-glazed windows. Solar gain of south-facing triple-glazed windows analyzed, and sun control by roof overhang described. Costs of super-insulation estimated. Other energy savings options described.
Rental: $50.00 / 5 days — from: IIT/V* and AMCEE*
Purchase: $295.00 — from: IIT/V* and AMCEE*

*see List of Sources

THE SOLAR PROMISE
1979, 28 Minutes, Videocassette (also on 16 mm film), Color, Junior High to Adult, Teacher's Guide.
Explains basic solar principles, and shows that individuals, not institutions, are providing most of the creative thinking in solar energy today. The film emphasizes, with various examples, that space and water heating are the most appropriate use of today's solar technology, and demonstrates that passive solar is the way to go.
Rental: $38.50 from: Bullfrog*
Purchase: $390.00 from: Bullfrog*

SOLAR TOPICS ON COLOR VIDEO CASSETTE
6 Color Videocassettes on Solar Energy.
CASSETTE #1: Sheldon Butt, President, Solar Energy Industries Association (SEIA) describes potential market for solar heating and air-conditioning (15 minutes).
CASSETTE #2: Joe Sherman, HUD executive, is interviewed by John Blake, Executive Director SEIA. Interview covers HUD solar demonstration program (15 minutes).
CASSETTE #3: Bob Schlesinger, President of Rho Sigma, gives visual demonstration of proper orientation of controls in a solar energy system (9 minutes).
CASSETTE #4: Professor John I. Yellot gives an overview of the earliest uses of solar energy in the U.S. and an update on the latest applications.
CASSETTE #5: Yellott discusses the basic principles of passive solar systems, illustrated with examples from the U.S.
CASSETTE #6: Yellott discusses the various types of solar collectors - from flat-plate medium temperature to parabolic and concentrating.
Purchase: $50.00 each, $270.00 for 6 cassettes from: Solar Engineering

STAR WARS ENERGY CONSERVATION SERIES
U-matic Videotape Cassette, Color, Elementary to Junior High.
A series of three 30-second spots for TV in which "R2D2," the robot character from STAR WARS, demonstrates ways to save energy and money. Titles are "Dimmit," "Dirty Coils," and "Little Drip", and the theme of each spot is "it doesn't take much energy to save energy."
Rental: free to non-profit organizations from: NY State Alliance*

SUNBEAM SOLUTIONS
1974, 38 Minutes, Color, Junior High to Adult (also on 16 mm film), Study Guide.
Solar space heating equipment, with orbiting power stations and ground receptors, pose a "bright" solution to our serious fossil fuel shortage. Alternative energy sources such as wind, geothermal, and tidal power are also mentioned.
Rental: $30.00 from: Time-Life*
Purchase: $300.00 from: Time-Life*

SUN DRIED FOODS
1980, 30 Minutes, Videotape (also on 16 mm film and slides), Color, English or Spanish.
Demonstrates the drying of corn, fruits, herbs, and meats by Native-American and Spanish-American families using traditional and modern solar methods. Teaching kits are available for Home Economics, Social Studies, Science and Agriculture.
Purchase: $150.00 from: Self-Reliance*

*see List of Sources

TERRASET SUN
1978, 20 Minutes, Videocassette (also on 16 mm film), Color.
Depicts the development, planning, and operation of a solar underground elementary school in Reston, Virginia.
Purchase: $325.00 from: Solarium*

THERMAL STORAGE SYSTEMS
60 Minutes, by L. Neuman Connor, University of South Carolina.
Introduction to energy storage in solar thermal system. Time-dependent relationship between solar input, delivered load, and energy storage depicted. Characteristics of thermal storage media and systems fabricated using these media discussed. Particular attention given to water systems, pebble bed storage, and phase-change systems.
Rental: $50.00 / 5 days from: IIT/V* and AMCEE*
Purchase: $295.00 from: IIT/V* and AMCEE*

List of Sources

Pages indicated refer to descriptions of items carried.

AMCEE (pages 19, 22, 24)
John T. Fitch
Association for Media-Based Continuing Education for Engineers
Georgia Institute of Technology
Atlanta, GA 30332
(404)894-3362

Britannica (pages 4, 5, 9)
Encyclopedia Britannica Education Corporation
425 N. Michigan Ave.
Chicago, IL 60611
(312)321-6800

Bullfrog (pages 3, 4, 7, 8, 9, 19, 21, 23)
Bullfrog Films
Oley, PA 19547
(215)779-8226

Butti/Perlin (pages 13, 15, 17)
Butti/Perlin
511 A Strand Street
Santa Monica, CA 90405
(213)399-1742

C.A.N. (page 12)
Consumer Action Now
355 Lexington Ave.
New York, NY 10017
(212)682-8915

CEPR (pages 20, 22)
Center for Energy Policy and Research
New York Institute of Technology
Old Westbury, NY 11568
(516)686-7578

Cheyenne (page 12)
Cheyenne Community Solar Greenhouse
1603 Central Avenue #400
Cheyenne, WY 82001
Attention: Shane Smith
(307)635-9340

Christensen (page 11)
Christensen Associates
Suite 200, Chapel North Building
62 North Chapel St.
Newark, DE 19711
(302)454-1313

Churchill (pages 5, 8, 22)
Churchill Films
662 North Robertson Blvd.
Los Angeles, CA 90069
(213)657-5110
Can refer customers to the appropriate film rental library.

Colorado State (page 6)
AudioVisual Services
Office of Instructional Services
Colorado State University
Fort Collins, CO 80523

Coronet (page 5)
Coronet Films
65 East South Water St.
Chicago, IL 60601
(312)977-4000

Crystal (page 15)
Crystal Productions
Airport Business Center
Box 11480
Aspen, CO 81611
(303)925-8160

Danamar (pages 3, 4)
Danamar Film Productions
275 Kilby
Los Alamos, NM 87544
(505)672-9766

Document (pages 6, 10)
Document Associates, Inc.
211 East 43rd St.
New York, NY 10017
(212)682-0730

Department of Energy Film Library
Technical Information Center
P.O. Box 62
Oak Ridge, TN 37830
(615)576-1287

Educational Activities (page 15)
Education Activities, Inc.
1937 Grand Avenue
Baldwin, NY 11510

Educational Materials (page 12)
Educational Materials and Equipment Company
Attn: Dept. B
46 Lafayette Ave.
New Rochelle, NY 10801

Essentia (page 5)
Essentia
Salina Star Route
Boulder, CO 80302
(303)443-3484

Films Inc. (pages 6, 20)
Films Incorporated
1144 Wilmette Ave.
Wilmette, IL 60091
(312)256-4730

Finley (page 8)
Stuart Finley Inc.
3428 Mansfield Rd.
Falls Church, VA 22041
(703)820-7700

Griffen (page 3)
Griffen Productions
Pells Road
Rhineback, NY 12572

Great Plains (pages 4, 19)
Great Plains National Instructional Television Library
Box 80669
Lincoln, NE 68501
(402)472-2007

Handel (pages 6, 8)
Handel Film Corp.
8730 Sunset Blvd.
West Hollywood, CA 90069
(213)657-8990

IIT/V (pages 19, 21, 22, 26)
Illinois Institute of Technology
IIT/V
IIT Center
Chicago, IL 60616
(312)567-3460

Inquiry (pages 17, 18)
Inquiry Audio-Visuals
1754 W. Farragut Ave.
Chicago, IL 60640
(312)561-9200

Lumen-Bel (page 7)
Fred James
Lumen-Bel, Inc.
303 W. 11th St.
New York, NY 10014
(212)243-3426
(800)621-1466 ext. 6062
in Illinois (800)972-1966 ext. 6062

Malibu (page 9)
Malibu Films, Inc.
Box 428
Malibu, CA 90265

NAVC (pages 4, 6, 7, 8, 9, 10, 12, 15, 18, 21)
National Audiovisual Center
General Services Administration
Washington, DC 20409
(301)763-1896

NMSEA (page 14)
New Mexico Solar Energy Association
P.O. Box 2004
Santa Fe, NM 87501

N.T.F. (page 10)
National Training Fund
Sheet Metal and Air Conditioning Industry
1900 L St. N.W.
Washington, DC 20036

NY State Alliance (page 23)
New York State Alliance to Save Energy, Inc.
36 W. 44th St., Suite 501
New York, NY 10036
(212)840-8383

Passive Institute (page 18)
[illegible]
P.O. Box 722
Davis, CA 95616

Phoenix (page 3)
Phoenix Films, Inc.
470 Park Avenue South
New York, NY 10016
(212)684-5910

Polished Apple (page 17)
The Polished Apple
3742 Seahorn Drive
Malibu, CA 90265
(213)459-2630

Projections (page 12)
Projections, Inc.
Brook Road
Warren, VT 05674
(802)496-3991

Ramsgate (page 8)
Ramsgate Films
704 Santa Monica Blvd.
Santa Monica, CA 90401
(213)394-8819

Ruhle (pages 13, 16)
James L. Ruhle and Associates
P.O. Box 4301
Fullerton, CA 92631
(714)526-6120

S.E.E.S. (pages 11, 13, 14, 16)
Solar Energy Educational Service, Inc.
P.O. Box 307
Eaton, CO 80615
(303)454-3618

Self-Reliance (pages 9, 18, 20, 23)
Self Reliance Foundation
Las Trampas, NM 87576
(505)689-2250

Solar-Ed (pages 11, 12, 13, 15)
The Solar-Ed Corporation
1627 Litchfield Turnpike
P.O. Drawer X
Woodbridge, CT 06525
(203)624-5151

Solar Engineering (pages 13, 16, 17, 21)
Solar Engineering Magazine
8435 N. Stemmons Freeway,
Suite 880
Dallas, TX 75247

Solar Sustenance (page 16)
Solar Sustenance Team
P.O. Box 733 AA
El Rito, NM 87530
(505)581-4454

Solarium (pages 10, 24)
Solarium Productions
1061 31st St. N.W.
Washington, DC 20007
(202)337-6526

Solpub (page 16)
Solpub Co.
Box 9209
College Station, TX 77840

Third Eye (page 7)
Third Eye Films
12 Arrow Street
Cambridge, MA 02138
(617)491-4300

Time-Life (pages 3, 7, 9, 19, 21, 23)
Time-Life Multimedia
Distribution Center
100 Eisenhower Dr.
Paramus, NJ 07652
(201)843-4545

U. California (pages 4, 5, 6, 9, 10)
University of California
Extension Media Center
2223 Fulton St.
Berkeley, CA 94720

U. Colorado (pages 5, 8, 17)
University of Colorado Education
Media Center
Stadium Building
Boulder, CO 80309
(303)492-7341

Small Homes Council-Building
Research Council
University of Illinois
One East Saint Mary's Road
Champaign, IL 61820
(217)333-1801

U. Minnesota (pages 3, 8, 9)
Audiovisual Library Service
Continuing Education and Extension
University of Minnesota
330 University Avenue, S.E.
Minneapolis, MN 55414

Xerox (page 10)
Xerox Educational Films
245 Long Hill Road
Middletown, CT 06457
(203)347-7251