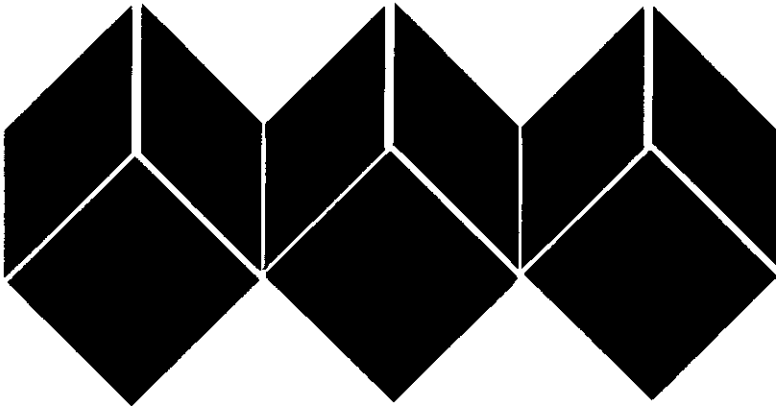
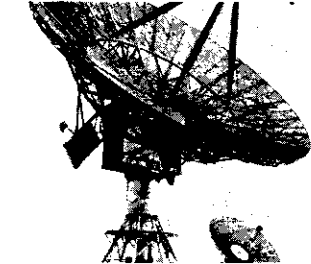


CRISIS

TECHNOLOGY AND MAN



From the anthology entitled "America in the 70's" a collection of films examining some of the critical issues confronting America today.



AMERICA IN THE 70'S A FILM ANTHOLOGY

The films described in this folio are part of the continuing effort by public television film makers to look at the social and political realities of American life with honesty, directness, and compassion. They do not pretend to provide painless answers, but strive to provoke thoughtful ones. They do not advocate one-sided points of view, but seek to encourage dialogue.

America, today, cannot afford easy answers. The crises before us demand an honest confrontation with the issues and open-minded inquiry into how things might be better. "America in the 70's" is offered as a contribution to public understanding of what we are as a society and as a stimulus to thoughtful consideration of what we might become.

America in the 70's—Part VIII: A group of films dealing with the impact of technological advances upon human society.

"America In The 70's" is a film anthology organized by:

Field Services
Indiana University
Audio-Visual Center
Bloomington, Indiana 47401

CONTROLLING THE FUTURE
16mm/29 min./b&w/sale \$150/
rental \$7.25
order # FS-1235

An introduction to fluidics or the use of fluids to operate sensing and controlling devices. There are two kinds of fluidic devices, the bistable and the proportional. Models and actual examples of both of these types of devices are shown and explained. These include devices to sense malfunctions in a pumping station and to control jet engines. Several models exemplify the application of fluidics to the aerodynamic control of the lift obtained from an aircraft wing. Future applications of fluidics are also considered.

Produced by NET—The Public Television Network.

**SCIENCE AND SOCIETY—
A RACE AGAINST TIME**
16mm/30 min./b&w/sale \$150/
rental \$7.25
order # CS-1838

An industrial engineer and an academic scientist discuss the social problems created by technology and the probability of correction in the near future. Dr. Simon Ramo, Vice Chairman of the Board, TRW, Inc., and Dr. Lee a Dubridge, President, California Institute of Technology, point out that social problems have resulted not from scientific knowledge, but from the application of that knowledge. They predict that these problems will be solved, but that they will become worse first.

Produced by NET—The Public Television Network.

**R. BUCKMINSTER FULLER:
PROSPECTS FOR HUMANITY**
16mm/30 min./b&w/sale \$125/
rental \$6.75
order # CS-1809

Presents R. Buckminster Fuller's predictions of the prospects for humanity. He believes that the technology derived from space exploration, computer applications, and systems analysis will unify mankind. This prediction is expounded in excerpts filmed during speeches by Fuller at three educational institutions: Merritt College, Oakland, California; Aspen Institute for Humanistic Studies, Aspen, Colorado; and Esalen Institute, Big Sur, California.

Produced by NET—The Public Television Network.

GIFT OF LIFE/RIGHT TO DIE
16mm/15 min./b&w/sale \$100/
rental \$5.00
order # CS-1874

A filmed essay on medical ethics which covers four types of decisions involving the life or death of a patient. Moral decisions involved in making organ transplants are discussed. Physicians and a nurse describe occasions when a choice must be made to revive one patient rather than another. Lay persons and physicians express their opinions, pro and con, on euthanasia.

Produced by the Public Broadcast Laboratory of NET—The Public Television Network.

OF MEN AND MACHINES
16mm/30 min./b&w/sale \$150/
rental \$7.25
order # ES-711

An examination of some of the problems inherent in man-machine systems including the ways in which man handles and processes information, the problems and dynamics of information feedback, behavior in highly complex systems, and the way information about these factors has led to redesign of equipment to fit human capabilities.

Produced by NET—The Public Television Network.

**COMPUTERS AND HUMAN
BEHAVIOR**
16mm/30 min./b&w/sale \$150/
rental \$7.25
order # ES-712

Reviews research being conducted with electronic digital computers in an effort to evolve new theories about human mental processes including how humans memorize and solve problems.

Produced by NET—The Public Television Network.



AMERICA: ON THE EDGE OF ABUNDANCE

*Rental or lease only
16mm/60 min./b&w/lease \$60 per
year/rental \$12.00
order # NET-2604*

British commentators examine the far-reaching economic and social consequences of the increasingly automated and computer-oriented society in the United States and the possible effects of this technology—on training, leisure, and American values.

Produced by NET—The Public Television Network.

THE COMPUTER AND THE MIND OF MAN

A series of six films produced by NET—The Public Television Network.

LOGIC BY MACHINE

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-87*

This basic introduction to computers includes discussion of the computer revolution, the relationship of man and machine, and the relationship of the symbolic world of mathematics to the real world of objects and events.

UNIVERSE OF NUMBERS

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-88*

The history of computer development is discussed from the first mechanical calculator invented by Blaise Pascal in the 17th century to the first completely electronic calculator built in the mid-1940's.

UNIVERSAL MACHINE

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-89*

The computer is a "universal machine" in that it is capable of doing whatever man is capable of instructing it to do and is limited only by man's ability to feed it with data and instructions.

THE CONTROL REVOLUTION

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-90*

The development of the computer has made possible the automatic control of routine tasks and decision-making related to the recording, storing, and processing of data in government, industry, and general business.

MANAGERS AND MODELS

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-91*

As film examples show, the design and simulation capacities of the modern digital computer seem unlimited and have proved invaluable in such areas as the design and testing of space rockets.

ENGINE AT THE DOOR

*16mm/30 min./b&w/sale \$125/
rental \$6.75
order # BS-92*

The interesting question, "Will machines ever run man?" is discussed in terms of man's responsibility for the wise and beneficial use of science and technology and leads to the conclusion that it is man, not machines, who determines what is to be done.

PREVIEW AND PURCHASE OF FILMS

All films listed may be purchased at the sale price indicated at the beginning of each annotation. Preview prints are available to prospective purchasers without charge except for return postage.

To order films for previewing, specify the date when you would prefer to receive the films and be sure to include an alternate date. Allow three weeks until the first use date.

Send purchase orders and preview requests to: Field Services, Indiana University Audio-Visual Center, Bloomington, Indiana, 47401.

FILM RENTAL

Prints may be rented from your nearest rental source or send orders to the Circulation Department, Indiana University Audio-Visual Center, Bloomington, Indiana 47401.