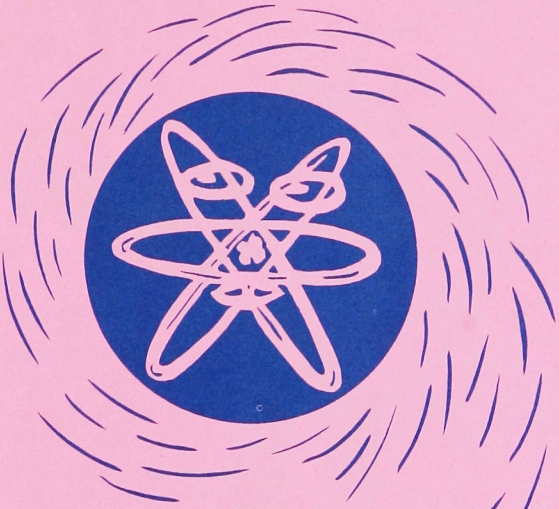
An Ideal Way
To Enrich Your Teaching
With Up-to-date
Scientific Information–

Probing also its role in current social issues.



living in a NUCLEAR AGE

A 4H Television Production
designed for Youth in their Teens

featuring

- the voice of Mel Blanc as "Ion."
- the atomic sounds of Herbie Mann, Ray Brown, and Barney Kessel (Columbia Studios, Hollywood) in original music compositions such as "Neutron Analysis," "Pieces of Atoms," "Isotope Walk," and other new releases.
- far-out cartooning effects by computer animation.
- cartoon characters "Ion" and "Radioisotope" by John Stockard.

A total educational package with six half-hour full color television films.

Animated films are supplemented with "A Guide for Teens" containing related "fun-learning" activities and projects for the individual viewer or groups. To aid leaders and teachers, guides and promotional materials are provided.

Your members can tune in on these six shows:

Discovering the Atom

(Time: 28 minutes 30 seconds)

The secrets of atomic structure, unstable atoms, fission, and shielding; plus a study of career opportunities and historical development of atomic and nuclear knowledge.

Power from the Atom

(Time: 28 minutes 30 seconds)

Ecology, the atom, fusion, uses of nuclear power, elements of a power plant, safeguards in a power plant, desalination, and possibilities of agri-nuclear complex.

Radioisotopes

(Time: 28 minutes 30 seconds)

Definition and uses of radioisotopes including tracing, dating, half-life and decay, and Systems for Nuclear Auxiliary Power (SNAP).

Nuclear Energy and Living Things

(Time: 28 minutes 30 seconds)

Sources and uses of radiation with living things, discussion of individual radioisotopes, natural radiation, useful and damaging aspects of radiation, somatic and genetic effects, and applications in agriculture and medicine.

Society and Things Nuclear

(Time: 28 minutes 30 seconds)

Civil defense procedures, necessity for planning and group action, results of a nuclear blast, effects of distance on radiation, principles of shielding, fallout shelters (home and community), and waste disposal procedures.

Bombarding Things

(Time: 28 minutes 30 seconds)

Effects of radioactive materials—alpha particles, beta particles, and gamma rays—safeguards and shielding requirements for each, beneficial uses of gamma irradiation, and neutron activation analysis.

NUCLEAR ENERGY

Do you know . . .

. . . the benefits,

. . . the dangers,

. . . the safeguards

in the Nuclear Age?

Explore not only the scientific information but the problems resulting from our move into the "Nuclear Age." Social issues, commonly read about in the daily news, are raised for discussion and study.

A 4-H TV Production

in cooperation with the Extension Service, United States Department of Agriculture; Department of Defense, Office of Civil Defense; and State Extension Services of the Land Grant Universities.

Plans and design by National 4-H TV Development Committee on Civil Defense, and The Kansas State University Development Committee.

Technical Subject Matter, Audio-Visual, and Education Consultants from Kansas State University, and other leading universities in the United States.

Films produced by Extension Film Production, Kansas State University, Manhattan; Supporting educational and promotional materials by Kansas State University Extension Service.

Distributed by the National 4-H Service Committee, Chicago.