

SCIENCE SCREEN REPORT

VOLUME 23

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1 GEOLOGY: OUR RESTLESS PLANET

This revealing report starts with a satellite view of Mother Earth and quickly goes deep below the surface to seek out those violent forces that shape our environment. From the crust to the dense central core, we see how shifting plates create mountains and volcanoes, and what causes earthquakes, hot springs and geysers. Running time: 14:03

2 BIOLOGY: CHANGING NATURE'S BLUEPRINT

In this thought provoking program, we see how scientists are using nature's blueprint...DNA...to genetically engineer pharmaceuticals to cure hereditary and acquired diseases. With the help of sheep, scientists found a way to manufacture factor 9, which gives blood its clotting ability and hope for a cure for hemophilia. Running time: 13:28

3 YOUR SKIN: THE INSIDE STORY

The skin, the largest human organ, is examined in this graphically illustrated report. It takes a close look at the epidermis, which provides the first line of defense against the outside world, and delves into the mysteries of the dermis...the inner skin. Included in this report is information about how the body fights off infections, the damaging effects of the sun, and some practical tips about dealing with acne. Running time: 14:30

4 ENGINEERING: SOLVING TODAY'S PROBLEMS

The full spectrum of job opportunities in engineering is surveyed in this special career guidance program. Everything from automotive, chemical, electrical, electronic, manufacturing and genetic engineering is examined in this report. What engineers do, how they do it, and the tools used to solve problems are explained in this program. Running time: 12:52

5 CHEMISTRY: THE BASICS

This introduction to basic chemistry starts with the atomic structure of matter, then introduces the elements and the periodic table. Continuing on, the three states of matter...gases, liquids and solids...are discussed, as well as chemical formulas, compounds and chemical reactions. Running time: 14:57

6 HELP FOR PEOPLE WITH VISUAL IMPAIRMENTS

In this program we take a close look at the eye to see how it works, and some of the major causes of blindness. Corrective surgery offers hope for some people. Others must learn to deal with blindness by using Seeing Eye dogs, Braille, and high tech computers that convert typed information into the spoken word. Running time: 13:45

7/8 ECOLOGY/CONSERVATION: MAKING THE RIGHT CHOICES

This double issue looks at some of the positive things that are being done by governments and industry to preserve and protect wildlife habitat, and the environment that we need to live. The program starts with a look at history and how people's needs and attitudes have changed over the years. Running time: 25:05

1000 Clint Moore Road, Boca Raton, FL 33487 Phone (800) ASK-INFO Fax (561) 241-0707

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