SCIENCE SCREEN REPORT
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1 PHYSIOLOGY: HUMAN BLOOD

This edition of SCIENCE SCREEN REPORT is a fantastic journey through the body's circulatory system. The components and disease fighting properties of human blood are explored, along with the causes of blood-related and circulatory diseases. New research developments hold the promise of better treatments, and possibly cures, for some of these life-threatening illnesses. Running time: 15:27

2 ECOLOGY: OUR GLOBAL GREENHOUSE

Is Earth's natural "greenhouse effect" working overtime because of pollutants produced by humans? *Our Global Greenhouse* visits laboratories around the world where scientists work to discover the potential ecological impacts of global warming. Animation and video images are used to illustrate the causes and implications of this complex phenomenon. Running time: 13:49

3 BIOLOGY: THE FASCINATING FUNGI

Fungi inhabit a dark, mysterious world. They are neither plants nor animals, although they share characteristics with both. This edition of SCIENCE SCREEN REPORT explores fungi growth and reproduction, their symbiotic relationships with certain plants, and their role in forming nutrient-rich soil. Sometimes fungi are enemies of agriculture, destroying valuable food crops, but they can also kill harmful pests. These diverse organisms have yielded many important medicines and chemicals. Running time: 15:19

4 MARINE SCIENCE: DOLPHIN RESEARCH

Researchers have discovered that dolphins possess almost human-like intuition and intelligence, and they may understand us in ways that are linked to some of our biological similarities. *Dolphin Research* travels to Florida and Hawaii, where ongoing studies examine the learning, communication and social skills of these gentle marine mammals. Running time: 15:11

5 RESEARCH: TESTING THE FUTURE

In our third program in the career series, SCIENCE SCREEN REPORT introduces students to the wide-ranging fields of basic and applied research. Careers in mathematics, physics, environmental science, engineering and life science are described. Through interviews with experienced researchers, students learn that in addition to several years of college and internship, pursuing a research career requires patience, diligence, natural curiosity, and an active imagination. Running time: 15:26

6 SOLAR ENERGY: A BRIGHT FUTURE

Solar Energy: A Bright Future showcases exciting new technology that promises to make clean, renewable solar energy viable as a large-scale electricity producer. Photovoltaic innovations such as multi-junction, thin film and solar sphere cells are key breakthroughs. Solar is also being used to power satellites, decontaminate water, and create new superconductive materials. Running time: 13:57

7/8 SPACE SCIENCE: LIVING IN SPACE

If man is to colonize other planets, how will he survive years of space travel and harsh environments? *Living in Space* explores how scientists plan to keep humans alive in space for increasingly longer periods of time. Needs for food, comfort, exercise, and medical attention have been addressed in various ways in the years since NASA's early manned rocket missions. Today, plans for Space Station Freedom, a lunar base, and a three-year journey to Mars are in the works.
Running time: 23:07

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