

# SCIENCE SCREEN REPORT

## VOLUME 21

### 1991/1992

## **1 CHEMISTRY: OZONE BLANKET IN THE AIR**

Between mankind and harmful ultraviolet light lies a sparse collection of ozone molecules. This issue of SCIENCE SCREEN REPORT examines the vast array of scientific tools and techniques used to discover and confirm ozone depletion in the atmosphere above Antarctica. Running time: 15:00

## **2 SPACE SCIENCE: VOYAGERS EXPLORE OUR SOLAR SYSTEM**

In 1977, Voyagers 1 & 2 started on a fascinating journey to the four giant planets in our solar system. This celestial edition of SCIENCE SCREEN REPORT puts viewers inside Voyager cameras and instruments as they explore Jupiter's giant red spot, Saturn's complex rings, Uranus' strange gravitational fields, wind swept Neptune and other mysteries of our solar system. Running time: 12:32

## **3 ENERGY: POWER FROM THIN AIR**

Wind - it's a lot more than hot air. Wind is energy to do work! This installment of SCIENCE SCREEN REPORT traces the development of windmills from their humble beginnings almost 2,000 years ago, to today's huge, modern-day wind farms. The program explores basic aerodynamic concepts and examines the fascinating science of site modeling. Running time: 14:47

## **4 ENGINEERING: MAKING IT WORK**

If you use it, there's a pretty good chance someone manufactured it. Manufacturing is a strong career choice for students and one they can start preparing for today! This edition of SCIENCE SCREEN REPORT reviews materials, tooling, and the courses required to enter this challenging profession. Running time: 12:43

## **5 COMPUTER SCIENCE: AMAZING GRAPHICS**

In science, medicine and entertainment, computers are rapidly becoming informative, entertaining picture processors. This edition of SCIENCE SCREEN REPORT examines many applications in this growing field, and demonstrates how computers make pictures using examples from other SCIENCE SCREEN REPORT programs. Running time: 12:35

## **6 PHYSIOLOGY: HUMAN MUSCLES**

You can't get there from here...and you can't get anywhere without muscles. This issue of SCIENCE SCREEN REPORT examines the biology and functioning of many muscles we use regularly to move and live. The program also explores the elaborate relationship between muscle movement and the human brain. Running time: 15:25

## **7/8 BIOTECHNOLOGY: PLANTS, ANIMALS & PEOPLE**

Journey across microscopic chemistries of life as this exciting edition of SCIENCE SCREEN REPORT examines the fascinating science of biotechnology. The program explains the structure and purpose of DNA and other biochemistry basics as plant, animal and human biologies draw closer together than ever before. Running time: 25:11