

SCIENCE SCREEN REPORT

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1 NEUROSCIENCE: HUMAN MEMORY

Investigate the phenomenon of memory with SCIENCE SCREEN REPORT'S fifth program in a special series exploring the complexity and mystery of the human brain. See research into the nature of memories, where and how we store and retrieve them in our brains, short- and long-term memory, the link between memory and learning, a connection between odors and the ability to learn, *deja vu*, memory loss, and more. 16:36

2 EARTH SCIENCE: WINDS ON OUR EARTH

SCIENCE SCREEN REPORT chases the wind around the globe to show its many manifestations and why they blow, from offshore and onshore breezes to trade winds and desert winds, hurricanes, typhoons, and cyclones to tornadoes and windshear. We'll also reveal why the winds are vital to the life of our planet as we examine the link between wind and ocean; and how the winds move and shape clouds and dunes, sculpt the land, and transport life. 14:36

3 AGRICULTURAL SCIENCE: SEEDS FOR TOMORROW

SCIENCE SCREEN REPORT visits the National Seed Storage Laboratory, guardian of one of the world's most diverse collections of seeds, and, as such, one of the largest plant gene banks. See what it takes to keep the collection alive and its significance for agriculture worldwide. We'll also show new ways researchers are using the seeds and other kinds of plant germplasm safeguarded there to improve plant varieties or create entirely new ones that could mean the difference between feast or famine in the future. 12:22

4 ANIMAL BEHAVIOR: ANIMAL SELF-AWARENESS

Delve into the scientific study of animal behavior with SCIENCE SCREEN REPORT as we visit a primate research center and a zoo where researchers are trying to learn more about the extent of animal consciousness and intelligence by observing, recording, and interpreting the fascinating and sometimes amusing reactions of chimps and monkeys, fish, and birds confronted with their reflections in mirrors. 12:24

5 PHYSICS: FORCES AT WORK

SCIENCE SCREEN REPORT demonstrates what really prevents a racer from going faster, breaks the plummet of a free-falling parachutist, or allows an airplane to fly in this appealing and painless physics program that demonstrates the concept of balanced and unbalanced forces. Among the many examples showing the influence of forces like air resistance, friction, gravity, and lift are competition cyclists, skydivers, and wind tunnel testing. 11:45

6 EARTH SCIENCE: EARTH INSIDE AND OUT

Geologists are learning more about Earth inside and out from what they can see on its surface. SCIENCE SCREEN REPORT examines how events inside the planet are manifested in the crust. Included are the theory of continental drift and the forces that move the continental plates, the generation of the ocean floor and the formation of the mountain ranges, the causes of earthquakes and volcanic explosions, and the theory that Earth's magnetic field is produced by violent storms within an ocean of molten lava at its core. 12:35

7-8 ENVIRONMENT: LABORATORY IN A FREEZER

Antarctica, the coldest, iciest, windiest, and driest continent on the globe, attracts scientists from all over the world. SCIENCE SCREEN REPORT treks to the southern pole to find out what an international enclave of biologists, geologists, archaeologists, atmospheric scientists, and climatologists hopes to discover at the bottom of the world; and how they meet the challenges of working in this harsh and hazardous environment. 24:20