

SCIENCE ON TV

SCIENCE NEWS prints the latest written word of scientific developments and noteworthy news. We've set this space aside to inform our readers of programs of scientific interest that are scheduled on television. Check your local listings for exact times.

- **June 7 (PBS) NOVA** — "The Tsetse Trap" examines the seemingly never-ending battle taking place in equatorial Africa between humans and the tsetse fly. The cause of bovine sleeping sickness, the tsetse infests more than 6 million square miles, including more than half of Africa's 9 million square miles of potential grazing land. The myriad solutions tried (including using insecticides, releasing sterile male flies and clearing broad strips of land) could have harmful repercussions themselves.
- **June 13 (PBS) National Geographic Society** — "Voyage of the Hokule'a" recounts the epic journey of a group of Hawaiians who sailed 3,000 miles across the open ocean from Hawaii to Tahiti in a reproduction of an ancestral canoe. Ancient in design, modern materials were used only when they would not affect sailing performance. The methods of navigation were also of ancient Polynesian origin, as were all of the types of provisions.

- **June 14 (PBS) NOVA** — "Memories From Eden" examines the American zoo, looking at new functions, such as breeding, public education, use of creative new animal habitats and the reintroduction of animals to their natural environments.

- **June 21 (PBS) NOVA** — "A Whisper From Space" takes a look at one theory of the universe's beginnings. Background radiation discovered 13 years ago launched the current surge of cosmological discovery and continues to aid scientists in their "cosmic archeology" of digging into the history of the universe.

- **June 27 (PBS) National Geographic Society** — "Strange Creatures of the Night" takes a look at nocturnal animals, such as owls, bats, hyenas and cave-dwelling salamanders, in part with sophisticated night-vision camera devices. Sightless humans may soon benefit from the research, with the invention of sonic glasses that emit ultrasonic pulses that strike objects and return audible echoes.

- **June 28 (PBS) NOVA** — "Alaska: The Closing Frontier" examines the debate between conservationists and developers sparked by a proposal to designate part of Alaskan wilderness off limits to developers. A bill setting aside more than 100 million acres—one-third of the state—as federal parks and wilderness and wildlife refuges was recently passed by the House and awaits a vote by the Senate. (See p. 343.)

BOOKS

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AHA! AHA! INSIGHT — Martin Gardner — W H Freeman, 1978, 179 p., drawings, paper, \$6.50. A careful selection of problems that seem difficult if solved in the traditional way, but with simple, unexpected solutions to be arrived at by a sudden hunch or "aha! reaction." The purpose of these puzzles is to exercise your powers of creative thinking and improve your ability in this technique of problem solving.

THE BEDOUIN — Shirley Kay — Crane-Russak Co., 1978, 159 p., photographs & drawings, \$10.50. The story of these nomadic Arabs who live by rearing sheep and camels in the deserts of the Middle East, their life as it used to be, as it is now and as it may become as a result of oil production in the Middle East.

BIRD FLIGHT — Georg Ruppel — Van Nos Reinhold, 1977, 191 p., color and b&w photographs, \$18.95. With modern photographic techniques the motions of flying birds are captured and analyzed. No two birds fly in exactly the same way, says the author, in this beautifully illustrated book that describes the aerodynamics of bird flight and the complex anatomical features that make it possible. A comprehensive study of bird flight in nontechnical language, originally published in Germany in 1975.

COMPUTER CAPERS: Tales of Electronic Thievery, Embezzlement, and Fraud — Thomas Whiteside — T Y Crowell, 1978, 164 p., \$7.95. Tells of the new breed of ingenious thieves who exploit the flaws in computer systems and security to siphon off great sums of money, and of how these schemes are occasionally foiled.

DESIGN FOR FLYING — David B. Thurston — McGraw, 1978, 274 p., illus., \$14.95. Covers aircraft operation and design, discusses handling characteristics, performance, flight procedures and safety precautions, relating them to aircraft response and design requirements.

DIABETES, OBESITY, AND VASCULAR DISEASE: Metabolic and Molecular Interrelationships — Howard M. Katzen and Richard J. Mahler, Eds. — Hemisphere (Halsted Pr), Parts I & 2, 1978, 698 p., charts & graphs, \$49. The current research on the interrelationships of diabetes, obesity and the vascular diseases that often accompany these conditions.

WHAT IS THE WORLD MADE OF? Atoms, Leptons, Quarks, and Other Tantalizing Particles — Gerald Feinberg — Anchor Pr Doubleday, 1978, 290 p., illus., paper, \$3.95. Presents some of the important aspects of 20th century physics for those with little previous knowledge of physics and no mathematics beyond secondary school. Originally published in hardcover in 1977.

WHY THE PROFESSOR CAN'T TEACH: Mathematics and the Dilemma of University Education — Morris Kline — St Martin, 1978, 228 p., \$10. An indictment of undergraduate liberal arts education with emphasis on mathematics by a distinguished mathematics professor. Addressing himself to university and school administrators, professors and parents, Dr. Kline offers suggestions for reform.

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