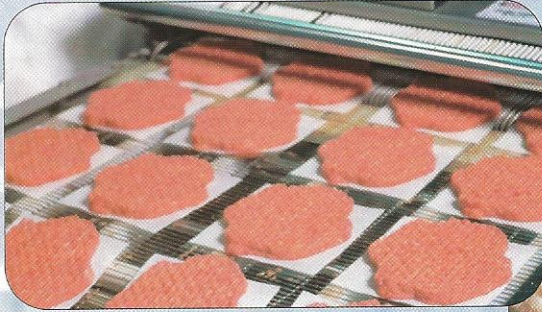


Science News

➤ The USDA announces that a 25-millisecond blast of 270-degree steam applied to meat kills 99.99 percent of the bacteria. This process follows the unpopular method of irradiation.

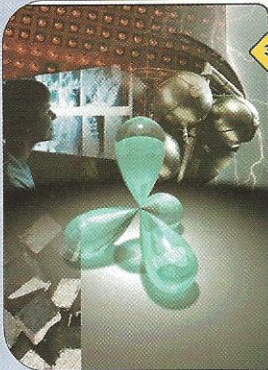


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➤ Paleontologists in Argentina discover thousands of shards of fossilized dinosaur eggs. Several shards contain the fossilized remains of unhatched embryos and their never-before-seen embryo skin.



AP Photo/American Museum of Natural History, L. Meeker



3 The Electronic Structure of Atoms

- 3.1 The Nature Of Light And Emission Spectra
- 3.2 The Bohr Model Of The Atom
- 3.3 The Wave Model Of The Atom

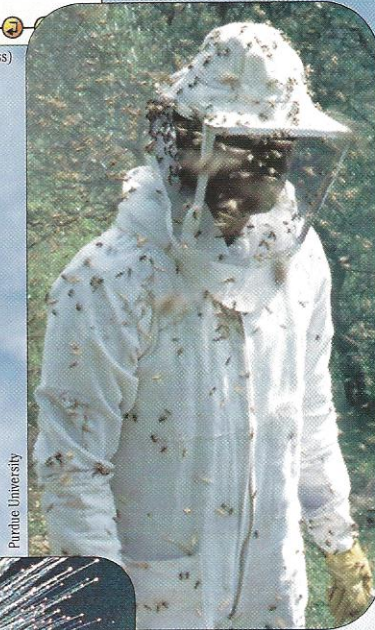
➤ Chemistry professor Claude Yoder co-authors "Interactive Chemistry," a CD-ROM that uses animation to lead students through chemistry problems, eliminating the need for a textbook.

Photo courtesy of the authors (C. Yoder, O. Retterer, M. Thomsen and K. Hess)



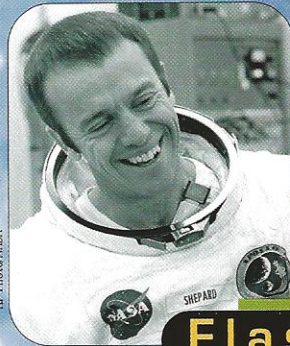
➤ The FDA withholds medical approval of St. John's Wort, the popular herbal supplement widely believed to relieve depression. However, American consumer demand has led to its use in everything from lipstick to potato chips.

Duffin McGee/Reuters



Purdue University

➤ Researchers discover a gene that may cause the aggressive behavior of "killer bees." This knowledge may help tame African bees, whose sting has deterred beekeepers from tending hives.



AP Photo/NASA

➤ Alan Shepard, the first American in space, dies on July 22 at the age of 74.

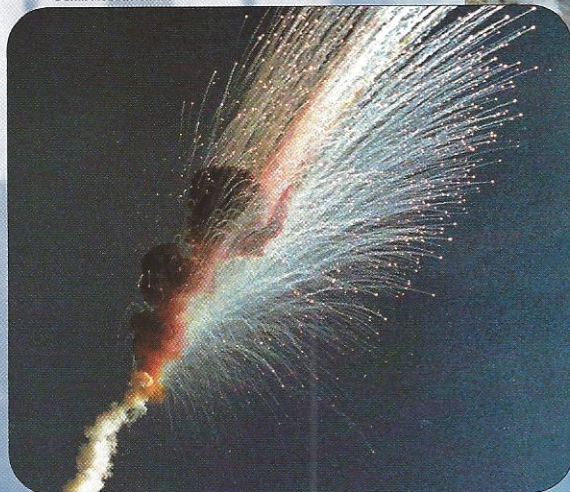
Flash

Astronomers discover and photograph a planet outside our solar system that is about 450 light years away from Earth.

Alabama hairdresser Phillip McCory discovers that human hair soaks up oil from water, which prompts NASA to investigate ways to use human hair to clean oil spills.

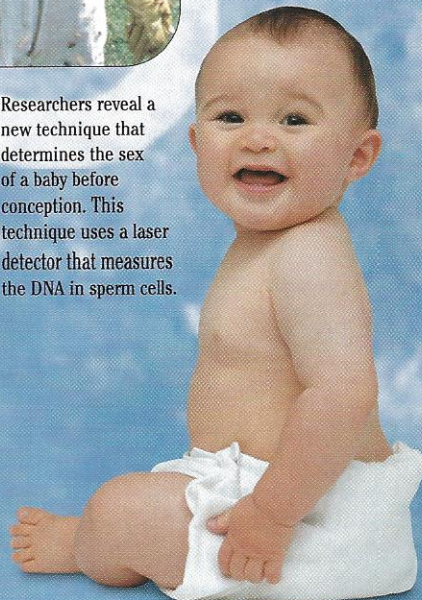
In August, renowned Houston heart surgeon Dr. Denton Cooley performs open-heart surgery which is broadcast live on the America's Health Network Internet web site.

David Scott, who lost his left hand in a fireworks accident, receives the first U.S. human hand transplant in January 1999. Scott has regained limited motion in his donor hand.



➤ On August 12, the \$1 billion Titan 4 rocket explodes 42 seconds after liftoff. The rocket payload included a highly classified Defense Department satellite.

➤ Researchers reveal a new technique that determines the sex of a baby before conception. This technique uses a laser detector that measures the DNA in sperm cells.



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