

## This Week

- 340 Hubble Telescope Dates the Universe  
*Ron Cowen*
- 341 Natural-disaster policies need shaking up  
*Richard Monastersky*
- 341 When elephants can't take it anymore  
*Susan Milius*
- 342 Colliders spur hunt for antimatter answers  
*Peter Weiss*
- 342 Chaotic reflections within a glittery eye  
*Ivars Peterson*
- 343 Heavy exposure to solvent linked to cancer  
*Nathan Seppa*
- 343 Rogue algae may harm Mediterranean fish  
*Janet Raloff*

## Articles

- 344 Cosmos in a Computer  
Simulations suggest monster clusters  
may lurk in the distant universe  
*Ron Cowen*
- 348 Simple Minds, Smart Choices  
For sweet decisions, mix a dash of  
knowledge with a cup of ignorance  
*Bruce Bower*

## Research Notes

- 347 Astronomy  
Jovian auroras in the infrared . . .  
. . . and in the ultraviolet
- 347 Technology  
Remote control in deep space  
Electronic ink debuts in store signs
- 351 Biomedicine  
Fly control yields fewer trachoma cases  
Might night-lights blight sight?  
Thwarting killer enzymes of the brain  
Diet of TACOs keeps bacteria alive

## Departments

- 338 Books
- 339 Letters



**Cover:** This slice through the universe was created by a new computer simulation. The upper right shows the cosmos as it appeared about 14 billion years ago; lower left portrays the universe today. Red denotes highest density of matter. The model indicates an enormous cluster of galaxies had formed before the universe was only one-third its current age. **Page 344** (Image: August E. Evrard/Virgo consortium)

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## Letters

### A bone to pick

Concerning the article on the restoration of Rembrandt's "The Anatomy Lesson of Dr. Nicolaes Tulp," ("Chemistry diagnoses a painting's ills," SN: 3/13/99, p. 166), it bears repeating that the lesson itself must have been unique, for the common origin of the flexor muscles of the forearm is the medial epicondyle, whereas the painting would have you believe it is the lateral epicondyle. This error is well known and would not allow an examiner to pass a student who offered Rembrandt as an expert in the matter.

*Nick De Morgan  
Portland, Ore.*

### Warmer and warmer

The article "1998: Warmest year of past millennium" (SN: 3/20/99, p. 191) is interesting, but the graph presents a big question. Over the past 100 years, a significant amount of warming occurs from the turn of the century to around 1935. Temperatures then level off until about 1980. Another large upspike then ensues until the present. This behavior

does not correlate well with the growth of fossil-fuel combustion. Is there another effect of human activity?

*Dean Musgrave  
Dearborn, Mich.*

### Nothing new under the moon

Your story "Moon's tiny core hints at earthy origin" (SN: 3/27/99, p. 198) says the idea that the moon is an offspring of Earth has been around ever since the first samples of lunar rocks came back from the moon. Actually, the idea is older than that. Rachel Carson (of *Silent Spring* fame) wrote in her charming book *The Sea Around Us* (1950), "We immediately wonder what became of the Pacific's granite covering and the most convenient assumption is that it was torn away when the moon was formed. There is supporting evidence. The mean density of the moon is much less than that of the Earth (3.3 compared with 5.5), suggesting that the moon took away none of the Earth's heavy iron core, but that it is composed only of the granite and some of the basalt of the outer layers."

*Paul Lyrene  
Gainesville, Fla.*

**The idea that** the moon is an offspring of Earth has been around much longer than the article states. For example, it was presented by George Gamow in his *Biography of the Earth* (1941), although he suggested a different mechanism for the moon's birth. He gave credit to Sir George Darwin (1845-1912).

*Peter Yff  
Muncie, Ind.*

### Cornflower power

The article "New support for echinacea's benefits" (SN: 3/27/99, p. 207) failed to address a large body of clinical research on various species of echinacea. Though many of these studies have had flaws, they overwhelmingly support the view that echinacea can shorten the duration and severity of the common cold. On the other hand, recent double-blind studies have not supported the historical use of echinacea for prevention of the common cold. The article's claim, "Less easy to find have been scientific studies that back up echinacea's reputed infection-fighting powers," is simply false.

*Eric Yarnell  
Sedona, Ariz.*