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#### **This Week**

292 292	Monkeys Get Human Fetal Cells Shedding light on photosynthesis
293	Scientist solves secret of bee bread
293	Global-change study could take decades
293	Familiar fruit flies emerge in new guise
294	Another controversy over nuclear waste site
294	Spotlighting the power of crystal light
294	Better body, better heart
295	Proteins linked to synaptic 'memory'
295	A mother's vaccine to protect baby too

#### **Research Notes**

300	Behavior
300	Biology
302	Biomedicine
302	Physics

#### **Articles**

296 Forbidding Fruits of Fetal-Cell Research

Cover: Brain cells retrieved from an aborted human fetus stain yellowish-orange, indicating they are alive and well 70 days after being transplanted into the brain of a monkey. The experiment, described on page 292, is the latest in a series of animal studies designed to pave the way for transplants of human fetal cells into people. But the controversial experimental therapy, which scientists say may benefit patients with Parkinson's disease, diabetes and other disorders, has anti-abortionists and others up in arms. (Photo: John R. Sladek Jr.)

299 Picture This



### **Departments**

290 Books 291 Letters

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# Letters

## Why wrinkles?

The difference between the pictures of the monk and the woman in the cover art for "Wrestling With Wrinkles" (SN: 9/24/88, p. 200) is certainly striking, but is it caused solely by the sun? There are more differences between the two than just the amount of solar radiation each receives - one of the more obvious being that the first lives on an island, the second in a desert. What part does humidity play? What part diet? Should we all move to Florida? Stop eating tortillas?

Though the focus of this article was deterioration of the skin, there are more serious aspects of aging than looks. How much of the breakdown of our cells comes from the constant stress of gravity? Could it be that we would live longer in a weightless environment?

Still, thanks for a most informative article; I've started wearing my hat whenever I go out. Drew Green Tucson, Ariz.

You neglected to mention a prevalent cause of wrinkling and skin damage: the peripheral vascular constriction triggered by nicotine.

Tim Bouquet Washington, D.C.

There is at least a partial explanation for the wrinkling of skin. We demonstrated many years ago (1954-1969) the loss of hyaluronic acid and reduction of molecular weight in the skin with advancing age. This seemed to be correlated with loss of lean body mass. This reduced the water-holding capacity of the

We believe that we also simulated the collagen changes by exposing acid-soluble collagen labeled with 14C tyrosine to highoxygen pressure (free radical effect). We obtained a yellow fluorescent material that contained dityrosine. The collagen was almost unrecognizable as this substance. Dityrosine has now been reported many times in exposed collagen.

Harry Sobel Sherman Oaks, Calif.

Address communications to: **Editor, SCIENCE NEWS** 1719 N St., NW Washington, D.C. 20036 Please limit letters to 250 words. All letters subject to editing.

**NOVEMBER 5, 1988** 291