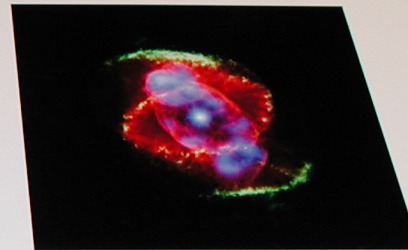


**Alvarez, 2000**  
**Alvarez: Microtubules and Cortical Rind**  
**3d Immersion Fluorescence Light Microscopy**  
Cortical rind is highlighted in this image. Green Auricle Rind is on blue chromosomes, helping separate and guide them to form the nuclei of two daughter cells. In red are so-called intermediate filaments that line the nuclear membrane, which will break down as the chromosomes move apart. This is a novel lung cell. Each type of structure was stained with a different fluorescent molecule linked to an antibody specific to the structure. Each channel of wavelength was recorded as a 2-D volume and then combined into a pseudocolor data set and presented as a maximal-intensity projection.



**NSAC 6543, Chandra Reveals The X-Ray Glimpse In The Cat's Eye, May 10-11, 2000**  
**Zoltan O. Lavey, J.P. Harrington and K.J. Burrows**  
**Composite image from Chandra X-ray Observatory and Hubble Space Telescope**  
Two eyes prove better than one in this view of a dying star called the Cat's Eye Nebula. In a complex process that is poorly understood, the cooling star has blown off several expanding volumes of gas, each discarding the shape of the one before. In the Hubble image, they appeared in a gray scale. In the superimposed Chandra image of the nebula's X-rays, some cooling the gases according to their temperature (blue hotter than red hotter than green), revealed them to be cooler than they had predicted.

