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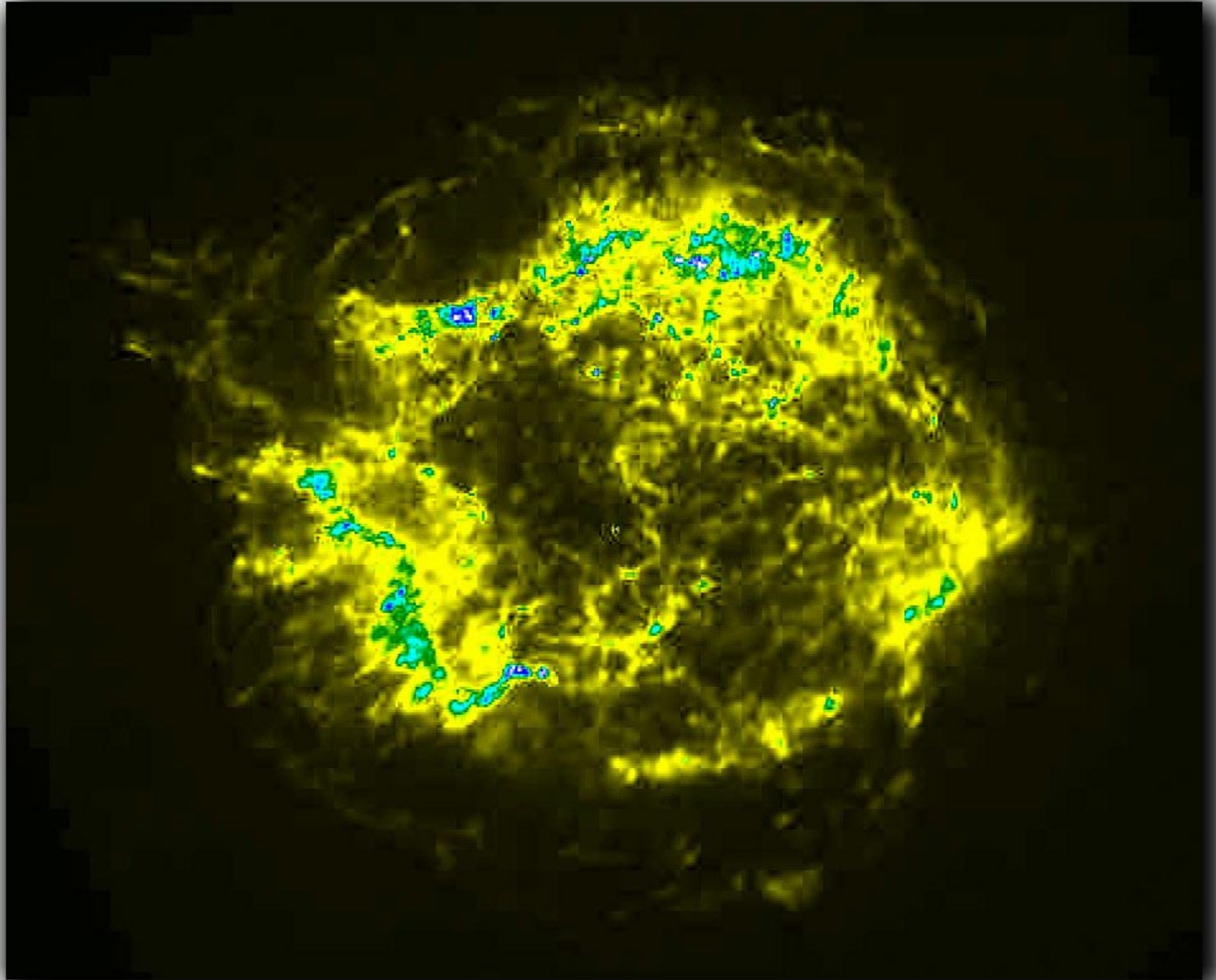
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Cassiopeia A supernova remnant acquired by the Chandra X-ray Observatory

Distance: ~ 10 000 lightyears so we are observing 10 000 years back in time.

Diameter: ~10 lightyears.

Temperature: ~50 million degrees.

Cassiopeia A was first observed as a new (nova) bright star about 320 years ago so this image, acquired 5 May, 2004, captures the expanding remnants about 320 years after the explosion.

*Photo provided by Larry Hudson (NIST physics laboratory) who has contributed to the calibration of Chandra and other x-ray astronomy missions*





# Journal of Nuclear and Radiation Physics



A Periodical of the  
Egyptian Nuclear Physics  
Association

**Editor-in-Chief : M.N.H. Comsan**

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JNRP is a refereed journal devoted to the publication of new and significant research in all fields of nuclear and radiation physics including particle physics, high energy physics, nuclear models and structure, nuclear reactions and spectroscopy, neutron and reactor physics, environmental radiation physics, medical radiation physics, radiation measurement and dosimetry, and other related topics. The journal accepts original, high quality research, review papers, and rapid research communications. Special issues for nuclear and radiation physics conferences are possible. Distribution and readership of JNRP are worldwide.

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