

The Observer's Challenge Objects

Submitted by Larry McHenry, Pittsburgh, PA, USA. <http://stellar-journeys.org>

February: **NGC 1964** – Galaxy - Lepus; $\text{mag}_v=10.8$; RA: 05h 33m 22s Dec: $-21^\circ 56' 45''$

Bared spiral galaxy **NGC1964** is located in the winter constellation of Lepus - 'The Hare'.

It is about 65 million light years distant, and about 100,000 light-years in size.

William Herschel discovered NGC1964 (H4 21) on the night of November 20th, 1784 using his 20 ft reflector telescope in his backyard garden at his home in Datchet, England.

Herschel described the nebula as "*Very small, stellar, very bright nucleus, and very faint chevelure,,*".

Video-Capture:

02/01/2016 from Big Woodchuck Observatory backyard in Pittsburgh, PA.

Using a 8" SCT @ f5 on a Fork-Wedge mount, using a analog video-camera & IR filter @ 35 seconds, unguided single exposure.

