Ou 4, an enigmatic bipolar nebula

Agnès Acker (1), Nicolas Grosso (1), Romano Corradi (2)
(1) Observatoire astronomique de Strasbourg, Université de Strasbourg, CNRS, UMR 7550, 11 rue de l’Université, F-67000 Strasbourg, France
(2) Instituto de Astrofísica de Canarias, E-38200 La Laguna, Tenerife, Spain

Ou 4 was discovered by the French amateur astronomer Nicolas Outters on June 2011 and discussed by Acker et al. (2012). The nebula covers 1.2 degree in the sky, and is apparently located inside the HII region Sh 2-129, and centered on HR 8119.

References
Bally J. et al. 2011 ApJ 727, 113

Is Ou 4 launched by the young stars in Sh2-129 ?
The apparent location of Ou4 inside Sh2-129 suggests that Ou4 could be an outflow ejected by one of the stars in the central young stellar cluster (like the multiple star HR 8119).

New asymmetric Planetary Nebulae candidates discovered by French amateurs

Fe 4
discovered by Laurent Ferrero
image D. Harmer, NOAO/AURA/NSF, KPNO 2.1 m
19 46 31 -09 21 18

Ou 5
discovered by Nicolas Outters
image D. Harmer, NOAO/AURA/NSF, KPNO 2.1 m
21 14 20 +43 41 35

LDû 2
discovered by Pascal Le Dû
image P. Le Dû, Refractor FSQ106
20 24 60.63 +46 22 24.40