4U 0614+09 = V1055 Orionis

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SUPERNOVA 1993F IN ANONYMOUS GALAXY

C. Pollas reports his discovery of an apparent supernova of mag about 18.5 on two technical pan films (limiting mag 21-22) taken Jan. 18.97 and 20.94 UT by D. Albanese and himself with the 0.9-m Schmidt telescope at the Observatoire de la Cote d'Azur. The candidate, at R.A. = 7h54m26s.45, Decl. = +20 13'04''.8 (equinox 1950.0), is superimposed on the nuclear region of a galaxy of mag 18, being roughly 0''.6 east and 1''.5 south of the galaxy's center. No such stellar image is present on a technical pan plate (similar limiting magnitude) obtained in 1990 January, though there is perhaps a condensation of mag about 20 nearly at the position of the supernova visible on an old film. A nearby star (mpg = 19) has end figures 20s.92, 14'17''.7.

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S. Brandt, N. Lund, and A. J. Castro-Tirado, Danish Space Research Institute, report: "A new x-ray burst from the low-mass x-ray binary 4U 0614+09 has been detected by the WATCH all-sky monitor on the EURECA satellite. The burst started at Mar. 2.59408 UT and in 16 s reached a peak flux in excess of 20 Crabs in the energy band 6-15 keV. The burst was the second observed from this source within a two-week period and was about 50 percent brighter than the burst seen on Feb. 17 (IAUC 5710). A 4-sigma excess flux was also detected above 15 keV."

alpha ORIONIS

A. K. Dupree, E. Guinan, and M. Smith further report, in addition to the information on IAUC 5716: "Photometry at Villanova on Feb. 28 UT suggests that alpha Ori has paused in its decline in brightness at V about +0.9. International Ultraviolet Explorer observations were acquired as a part of the ongoing monitoring program on Feb. 24. Radial velocity measurements in the H-alpha region continue at the McMath Solar Telescope at Kitt Peak."

CORRIGENDA

On IAUC 5678, 'Supernova 1992bn in Anonymous Galaxy', line 5, for 1''.2 east and 6''.8 north read 1''.2 west and 6''.8 south
On IAUC 5712, 'Corrigenda' for plates taken by M. J. Drinkwater read films taken by C. P. Cass