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F. Marchis and M. Baek, University of California at Berkeley; and P. Descamps, J. Berthier, D. Hestroffer, and F. Vachier, Institut de Mecanique Celeste et de Calcul des Ephemerides, Paris, report the discovery of a new satellite orbiting (45) Eugenia. S/2004 (45) 1 was detected after careful analysis of three observations collected with K-band filters using the Very Large Telescope 'YEPUN' and its adaptive-optics system (NACO) on 2004 Feb. 14.15404, 15.14620, and 16.15435 UT, the satellite appearing at a distance of $\sim 0''.4$ from the primary in p.a. 156°, 321°, and 124°, respectively. Based on the integrated brightness ratio of ~ 7.9 between the satellite and the primary, the diameter of S/2004 (45) 1 is estimated to be ~ 6 km. The orbital parameters of this satellite give a mass for the system in agreement with the mass derived from the study of previously known satellite, (45) Eugenia I (Petit-Prince; cf. *IAUCs* 7129, 7503).

COMET 186P/2007 B3 (GARRADD)

Further to *IAUC* 8801 and 8806, M. Meyer (Limburg, Germany) reports that he has identified this comet on Digitized Sky Survey plates taken with the U.K. Schmidt telescope on 1975 May 31 and June 3 (two red plates each; centers of trails measured) and on 1996 Feb. 26 (single red plate; comet trail involved with star, ends of trail measured). In verifying these identifications, G. V. Williams (Minor Planet Center) then identified P/2007 B3 with an 18th-magnitude comet reported by R. D. Eberst (cf. *IAUC* 3247) one year after the U.K. Schmidt plates of 1977 July 18 and 19 were taken (later designated X/1977 O1 in the *Catalogue of Cometary Orbits 1995*). Meyer's astrometry and the precessed Eberst astrometry appear on *MPEC* 2007-D71 with new orbital elements and residuals; these observations at multiple apparitions permit the numbering of this comet as 186P/Garradd (cf. *MPC* 58997).

SUPERNOVA 2007af IN NGC 5584

S. Nakano, Sumoto, Japan, reports the discovery by K. Itagaki (cf. *IAUC* 8792) of a fairly bright supernova located at $\alpha = 14^{\mathrm{h}}22^{\mathrm{m}}21^{\mathrm{s}}.03$, $\delta = -0^{\circ}23'37''.6$ (equinox 2000.0), which is $40''$ west and $22''$ south of the center of NGC 5584. Unfiltered CCD magnitudes for 2007af from Itagaki: Feb. 24.81 UT, [19.0; 25.73, [18.5; Mar. 1.84, 15.4 (discovery); 2.576, 15.3; 7.648, 13.7. SN 2007af is a type-ia supernova that was discovered well before maximum light (spectroscopic details on *CBET* 865).

  Daniel W. E. Green