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The Eruption of Vesuvius in A.D. 79: Addendum

The following table was omitted from H. Sigurdsson et al., "The Eruption of Vesuvius in A.D. 79: Reconstruction from Historical and Volcanological Evidence," *AJA* 86 (1982) 39–51, where it is cited on p. 44:

TABLE

CHRONOLOGY	PLINY THE YOUNGER IN MISENUM AREA	PLINY THE ELDER IN BAY OF NAPLES AND STABIAE	VOLCANOLOGIC INTERPRETATION
For several days before 8/24 (per multos dies, 20.3)	Minor tremors (20.3)		Ascent of magma towards the surface.
8/24: around or after 1:00 P.M. (hora fere septima, 16.4)	Pine-shaped cloud seen in area of Vesuvius (16.4–6)	Prepares to depart from Misenum on scientific mission (16.7.9)	Beginning of Plinian phase of eruption, with production of white pumice. Air-fall starts south of Vesuvius.
		Message arrives requesting aid, calls out quadriremes, departs for area under the mountain from which others are fleeing (16.7–10)	
8/24: "iam" (16.11) not chronologically informative		Ash falling on ships hotter and thicker, also pumice and burnt stones (16.11)	Pliny the Elder sails into pumice fall-out zone southwest of Vesuvius.
		"Vadum subitum," fall prevents approach to shore, changes course for Stabiae (16.11–12)	Floating pumice rafts hinder navigation of quadriremes.
		At Stabiae, danger not yet approaching, fall accumulating, residents wanting to flee, contrary wind prevents (16.12)	
8/24: night (noctis, 16.13)		Fire and burning seen in areas around Vesuvius (16.13)	
		Accumulation of ash and pumice threatens to block door (16.14)	Plinian phase continues, with pumice fall to south of Vesuvius.
8/24–25: sometime during the night (illa vero nocte, 20.3)	Tremors so large that things seem to be falling (20.3–4)	Tremors shaking buildings, residents decide to stay outside, pumice fall continues porous and light in weight (16.14–16)	Climax of the Plinian phase, accompanied by the eruption of the gray (upper) pumice deposit, derived from magma in deeper part of the Vesuvius magma chamber.
8/25: daybreak (hora diei prima, 20.6, iam dies alibi, 16.17)	Daylight very pale (20.6)	Total darkness, sea rough and contrary, unable to leave by sea (16.17–18)	Eruption cloud obscures sunlight in Stabiae; Tsunami activity as a consequence of earthquakes.
8/25: "iam" (20.6) not informative	Violent quakes, residents leave area of buildings (20.6–7)		
8/25: later (tum demum, 20.7, deinde, 16.18)	Residents take flight, vehicles do not stay in place, sea retreats, black cloud seen approaching, lightning charged (20.7–10)	Residents take flight, sight of fire, smell of sulphur (16.18–19)	Beginning of Pelean phase of eruption. Nuées ardentes or glowing avalanches of hot ash descend western and southern flanks of volcano. Ground surges accompanying nuée ardente are seen from Misenum as a black cloud, marking first phase of nuée ardente activity.

CHRONOLOGY	PLINY THE YOUNGER IN MISENUM AREA	PLINY THE ELDER IN BAY OF NAPLES AND STABIAE	VOLCANOLOGIC INTERPRETATION
8/25: shortly (nec multo post, 20.11)	Cloud descends on promontory, blocks view of Capri (20.11)		Dilute and distal part of ground surges extends over Bay of Naples to the west.
8/25: "iam" (20.13) not informative	Light ash-fall, cloud pouring over land like a torrent, heavy ash-fall, total darkness (20.13-15)		Dilute part of ground surge reaches Misenum, depositing minor ash.
8/25: shortly (paulum, 20.16)	Light returns, thought to be fire, darkness again, heavy ash-fall (20.16-17)		Second ground surge reaches Misenum, marking the second main phase of nuée ardente activity.
8/25: eventually (tandem, 20.18)	Cloud disperses (20.18)		Main eruption is over.
8/25: after a short while (mox, 20.18)	Real daylight, pale sunshine, ash like snow, residents return (20.18-19)		
8/25-26: night (noctem) and probably longer (perseverabat, 20.19)	Tremors continue (20.19)		

CORRIGENDA

The following corrections should be made in Ezat O. Negahban, "Maceheads from Marlik," *AJA* 85 (1981) 367-78, pls. 59-64:

- 1) pl. 61, fig. 12—caption should read "Tomb 47, Trench XXII E, during excavation (maceheads 770 M and 771 M);"
- 2) pl. 62, fig. 13—caption should read "Tomb 52, Trench XXIII G, during excavation (macehead 953 M)."