



## Textbefund 1:

### Weltchronik des Agathias 5. 6–8 (um 580 n. Chr.)

[...] οὗτος γάρ δὴ ὁ Ἀνθέμιος, πατρὶς μὲν αὐτῷ ὑπῆρχεν αἱ Τράλλεις ἡ πόλις, τέχνη δὲ τὰ τῶν μηχανοποιῶν εύρματα, οἵ δὴ τὴν γραμμικὴν θεωρίαν Ἐπὶ τὴν ὑλην κατάγοντες μιμήματά τινα καὶ οἷον εἰδωλα τῶν ὄντων δημιουργοῦσι. [...] ἀλλὰ γάρ ὅτου ἔνεκα τοῦδε τοῦ ἀνδρὸς ἐπεμνήσθην, ἐκεῖο μοι καὶ δὴ αὐτίκα λελέξεται. ἀνήρ τις ἐν Βυζαντίῳ Ζήνων ὄνομα, τῷ μὲν τῶν ὥρτόρων καταλόγῳ Ὡι ἀναγεγραμένος, ἄλως δὲ διαφανῆς καὶ βασιλεῖ γνωριμώτατος, κατώκει ἀγχοῦ που τοῦ Ἀνθεμίου, ὡς δοκεῖν ἐκατέρω ἡνῶσθαι τῷ οἴκῳ καὶ ὑφ' ἐνὶ τέρματι διαμετρεῖσθαι. προελθντος δὲ χρόνου ἑρις αὐτοῖς ἐνέπεσε καὶ δυσκολίᾳ ἡ τοῦ διοπτεύεσθαι χάριν, τυχὸν οὐ πρότερον εἰθισμένον, ἡ νεωτέρας οἰκοδομίας πέρα τοῦ μετρίου ἐς ὑψος ἀρθείσης καὶ τῷ φωτὶ λυμαινομένης ἡ ἄλλου του πέρι, ὅποια πολλὰ τοῖς πλησιαίτατα προσοικοῦσι διαφιλονεικεῖσθαι ἀνάγκη.

7. Τότε δὴ οὖν ὁ Ἀνθέμιος ὑπὸ τοῦ ἐναντίου ἀτε δικηγόρου καταρρητορευόμενος καὶ οὐχ οἴος τε ὧν τῇ δεινότητι τῶν ὥρμάτων ἐκ τῶν ὄμοιών ἀντιφέρεσθαι, ὁ δὲ ἐκ τῆς οἰείας αὐτὸν ἀντελύπησε τέχνης τρόπῳ τοιῷδε. δόμον τινὰ ὑπερών ὁ Ζήνων ἐκέκτητο, εύρυν τε λίαν καὶ διαπρεπῆ καὶ περιεργότατα πεποικιλμένον, ἐνῷ δὴ τὰ πολλὰ ἐμφιλοχωρεῖν εἰώθει καὶ ἐστιάν τοὺς φιλτάτους. τούτου δὲ τὰ πρὸς τῷ ἐδάφει ἐνδιαιτήματα τῆς Ἀνθεμίου ὄντα ἐτύγχανε μοίρας, ὡς τὸ μεταξὺ τγος τῷ μὲν ἐς ροφήν, τῷ δὲ ἐς βάσιν παρατετάσθαι. ἐνταῦθα δὴ οὖν λέβητας μεάλους ὕδατος ἐμπλήσας διακρίδον ἐστησε πολλαχοῦ τοῦ δωματίου, αὔλοὺς δὲ αὐτοῖς ἔξωθεν σκυτίνους περιβαλῶν, κάτω μὲν εύρυνομένους ὡς ἄπασαν τὴν στεφάνην εριβεβύσθαι, ἔξῆς δὲ καθάπερ σάλπιγγα ὑποστελλομένους καὶ ἐς τὸ ἀναλογοῦν τελευτῶντας, ἐνέπηξε ταῖς δοκος καὶ ταῖς σανίσι τὰ ἀπολήγοντας, καὶ ἐς τὸ ἀκριβὲς ἐνεπερόνησεν, ὡς καὶ τὸν ἐν αὐτοῖς ἀπειλημένον ἀέρα ἀφετὸν μὲν ἔχειν τὴν ἄνω φορὰν διὰ τῆς κενότητος ἀνιόντα καὶ γυμνὴ προσψαύειν τῇ ὁροφῇ κατὰ τὸ παρεἶκον καὶ τῇ βύρῃ περιεχόμενον, ἥκιστα δὲ ἐς τὰ ἐκτὸς διρρεῖν καὶ ὑπεκφέρεσθαι. ταῦτα δὴ οὖν ἐκ τοῦ ἀφανοῦς καταστησάμενος πῦ ἐνῆκε σφοδρὸν ὑπὸ τοὺς τῶν λεβήτων πυθμένας καὶ φλόγα ἔξηψε μεγάλην· αὐτίκα δὲ τοῦ ὕδατος διαθερομένου καὶ ἀνακαχλάζοντος ἀτμὸς ἐπῆρτο πολὺς καὶ ἀνερριπίζετο παχύς τε καὶ πεπυκνωμένος· οὐκ ἔχων δὲ ὀπῆ διαχυθείη ἐπὶ τοὺς αὔλοὺς ἀνεῖρπε, καὶ τῇ στέγῃ προσπταίων ἐνδελεχέστατα ἐδόνησεν ἄπασαν καὶ διέσεισεν, ὃσον ὑποτρέμειν ἥρεμα καὶ διατετριγέναι τὰ ξύλα. οἱ δὲ ἀμφὶ τὸν Ζήνωνα ἐταράττοντο καὶ ἐδμαινον, καὶ ἀμφὶ τὴν λεωφόρον ἐξέπιπτν ποτνιῶμενοι καὶ βοῶντες καὶ τῷ δεινῷ καταπεπληγμένοι, [...]

8 Τούτῳ δὴ οὖν πολλῷ τῷ λόγῳ ἔχρωντο οἱ τὰς ἀναθυμιάσεις καὶ τὰ λιγνυώδη πνεύματα γένεσιν τῶν σεισμῶν ἀποκαλοῦντες.

[...] Anthemius of Tralles was by profession an engineer or architect, one of those people who apply geometrical speculation to material models or imitations of the natural world. [...]

But the whole incident which caused me to mention this man shall now be related without further delay:

There was in Constantinople a man called Zeno, a professional rhetorician, who besides his other distinctions was a close acquaintance of the Emperor. He was a next-door neighbour of Anthemius, their two houses being joined to one another and built on the same area of ground. In the course of time rather strained relations and a certain amount of ill will developed between them, either because of some possibly unprecedented piece of prying or because of the construction of some abnormally high annexe which blocked the light or for some other of the many reasons that inevitably bring next-door neighbours into conflict.

7. Now Anthemius outmanoeuvered in argument by his opponent's legal skill and finding himself no match for him when it came to a battle of words retaliated in the following manner by availing himself of his own professional expertise:

Zeno had a fine, spacious and sumptuously decorated upper room, in which he loved to pass the time of the day and entertain his close friends. The ground-floor rooms underneath it, however, belonged to Anthemius' part of the house, so that the ceiling of the one was the floor of the other.

Here Anthemius filled some huge cauldrons with water and placed them at intervals in various parts of the building. To these he fastened tapering, trumpetshaped pipes encased in leather and sufficiently wide at their bottom ends their upper end securely and neatly to the beams and joists, so that the air in them should rise up freely allong the pipes until it exerted a direct escaping. Having secretly set up this apparatus he laid a fire under the base of each cauldron and kindled a powerful flame. As the water grew hot and boiled a great head of steam began to rise. Unable to escape, it rose up the pipes, building up pressure as it went and subjecting the roof to a series of shocks, until it shook the whole structure with just enough force to make the woodwork creak and wobble slightly. Zeno and his freinds were terrified and ran panic-stricken into the street with cries of horror and alarm [...].

8 Those who explained the origin of earthquakes in terms of exhalations and smoky vapours made much of this story.





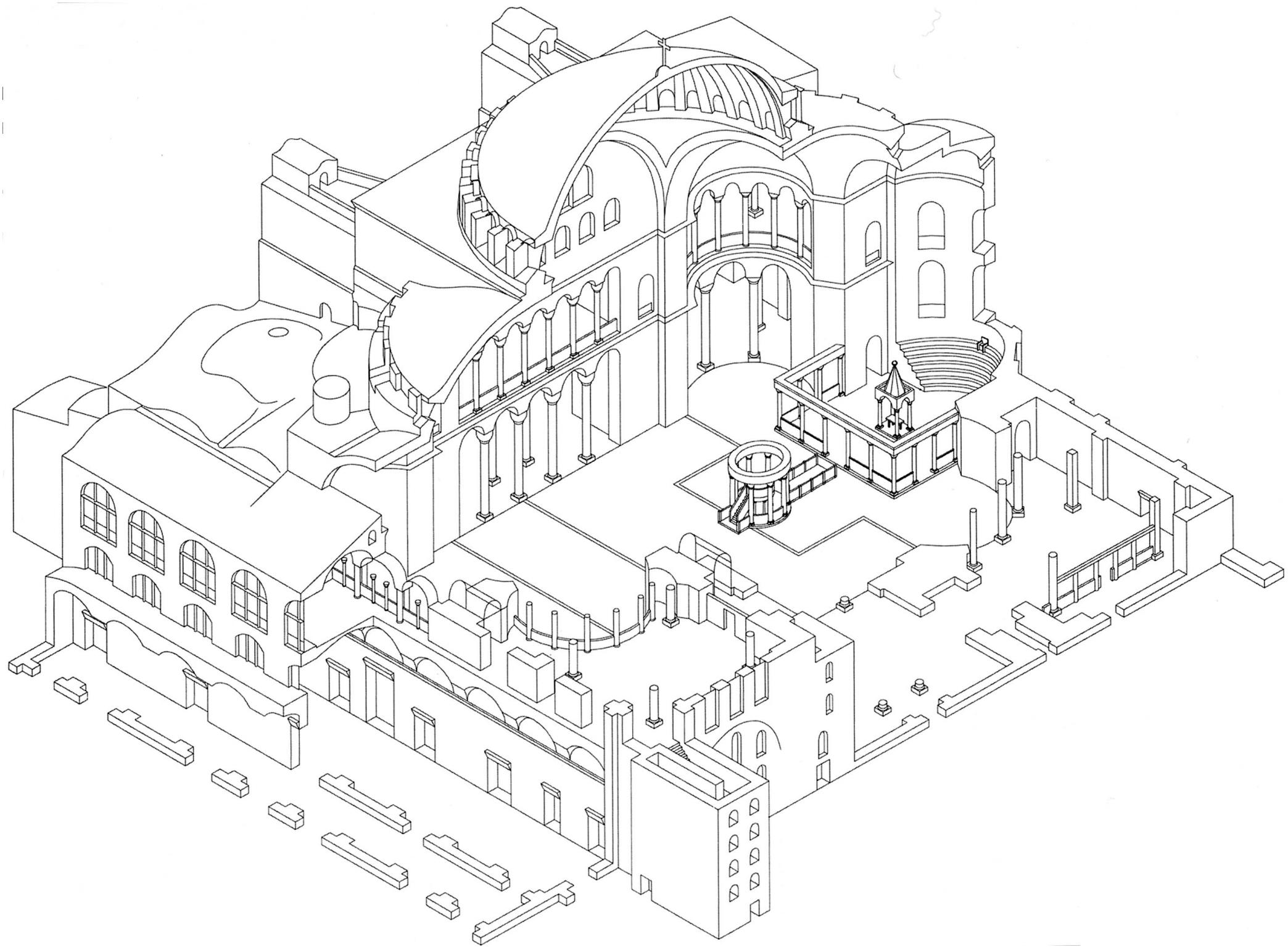
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## Textbefund 2:

### Die Ekphrasis des Paulos Silentiarios

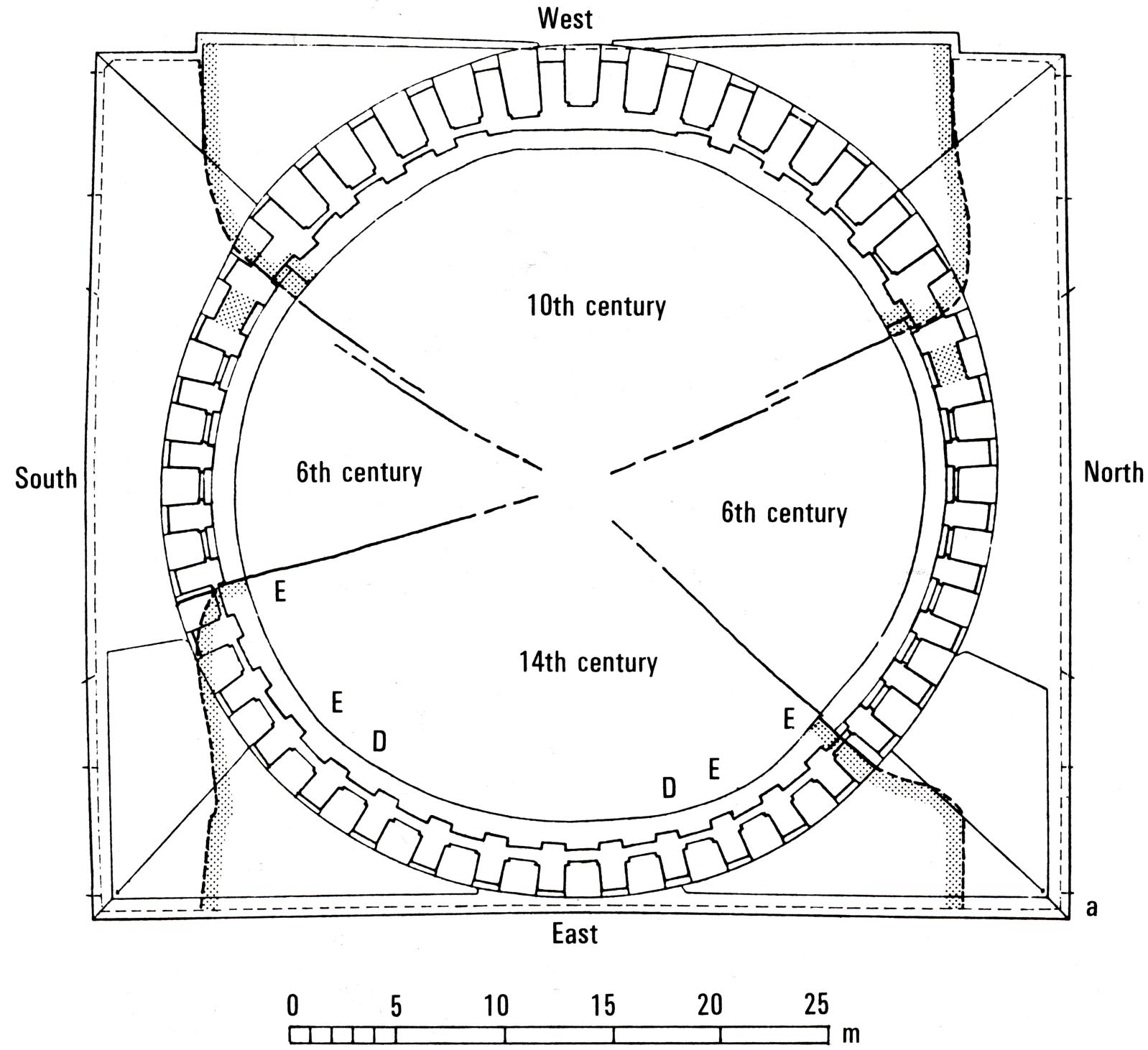
(563 n. Chr.)

”Ηδη μὲν σθεναροῖσιν ἐπεμβεβαυΐα θεμείλοις  
σφαίρης ἡμιτόμοιο κατήριπε θέσκελος ἀντυξ·  
μυστιπόλου δ' ἐτίναξεν ἐδέθλια πάντα μελάθρου,  
πάντα δ' ὑπεσκίρτησεν ἐν ἄστει βάθρα θεμείλων,  
γαῖα δ' ὑπεστενάχιζεν ἐπὶ χρόνον, ἡερίαις δὲ 190  
μισγομένη νεφέλησιν ὄμιχλήεσσα κονίη  
ούρανίης ἀμάρυγμα μεσημβρινὸν ἔσκεπεν αἴθρης.  
[...]  
ούδε μὲν εύρυστερνος ὑπώκλασε μέχρι θεμείλων  
νηός, ἀριστώδινος ἐελένος ἄμμασι τέχνης·  
ἀλλὰ μιῆς ἀψίδος ἀπωλίσθησε κεραίη 200  
ἀντολική, σφαίρης τε λάχος κονίησιν ἐμίχθη.  
ἢν δὲ τὸ μὲν δαπέδοισι, τὸ δ' εἰσέτι (θάμβος ἴδεσαι)  
οἼαπερ ἀστήρικτον ὄμιλεν ἐκκρεμὲς αύραις.  
πᾶς δὲ κατηφείηι βεβλημένος ἔστενεν ἀνήρ.

Schon stürzte der auf starken Unterbau ruhende prachtvolle Bogen der Kuppel zusammen und erschütterte die gesamten Fundamente des heiligen Gebäudes, die Grundfesten aller Häuser in der Stadt aber erzitterten, die Erde stöhnte eine Zeitlang auf, und mit himmlischen (190) Wolken sich mischend, verhüllte dunkler Staub den mittäglichen Glanz des lichten Äthers.

[...]  
Es fiel auch nicht der breite Kirchenbau bis zu den Grundfesten in Trümmer, ihn hielten ja die Klammern ausgezeichneter Kunstfertigkeit zusammen. Lediglich der östliche Gewölbebogen (200) brach, und ein Teil der Kuppel mischte sich in den Staub. So lag denn das eine Bauglied auf dem Boden, während das andere - ein Wunder anzusehen - weiterhin ganz ohne Stütze frei in den Lüften schwebte.





# Literatur

## Erdbeben in Byzanz

G. DAGRON, Quand la terre tremble..., *Travaux et Mémoires du Centre de Recherche d'Histoire et Civilisation byzantines* 8, 1981 (Mélanges Paul Lemerle) 87–103

B. CROKE, Two Early Byzantine Earthquakes and Their Liturgical Commemoration, *Byzantion: Revue Internationale des Études Byzantines* 51, 1981, 127–147

M. MEIER: Das andere Zeitalter Justinians. Kontingenzerfahrung und Kontingenzbewältigung im 6. Jahrhundert n. Chr. (Göttingen 2003)

## Zum Kupalleinsturz der Hagia Sophia

G. MILLET, La Coupole primitive de Sainte-Sophie, *Revue belge de philologie et d'histoire* 2/4, 1923, 599–617

K. J. CONANT, The first dome of St. Sophia and its rebuilding, BBI 1, 1946, 71–78

W. EMERSON - R. L. VAN NICE, Hagia Sophia: the collapse of the first dome, *Archaeology* 4, 1951, 94–103

R. J. MAINSTONE, Justinian's Church of St. Sophia, Istanbul: Recent Studies of Its Construction and First Partial Reconstruction, *Architectural History* 12, 1969, 39–49. 102–107

A. WESTGARD, The First Dome of the Hagia Sophia: Myth vs. Technology, in: Domes from Antiquity to the Present, Proceedings of IASS - MSU Symposium, Istanbul 1988, 163–172

R. TAYLOR, A Literary and Structural Analysis of the First Dome on Justinian's Hagia Sophia. Constantinople, *Journal of the Society of Architectural Historians* 55/1, 1996, 66–78

A. Ş. ÇAKMAK - R. M. TAYLOR - E. DURUKAL, The structural configuration of the first dome of Justinian's Hagia Sophia (A.D. 537–558): An investigation based on structural and literary analysis, *Soil Dynamics and Earthquake Engineering* 29/4, 2009, 693–698