**Rethinking the Problem of the Pantheon Columns
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**1. Number of men required for a 9-year construction schedule, reproduced from Delaine 2015:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Days** | **Portico** | **Intermediate Block** | **Rotunda** | **Grottoni** | **Total** |
| 1 | 135 | Groundworks | -- | -- | -- | ? |
|  | 135 | Foundations 10 | Foundations 20 | Foundations 170 | -- | 200 |
| 2 | 340 | -- | -- | Prepare orders 60 | -- | 60 |
|  | 255 | -- | Lower level 40 | Lower Zone 190 | -- | 230 |
|  | 15 | -- | -- | Erect orders 100 | -- | 100 |
| 3 | 40 | -- | -- | Prepare cornice 60 | -- | 60 |
|  | 80 | -- | -- | Middle zone 230 | -- | 230 |
|  | 20 | -- | -- | -- | Foundations 70 | 70 |
|  | 170 | -- | -- | -- | Lower and middle levels 135 | 135 |
| 4 | 160 | -- | -- | Middle zone 230 | Start bridge 10 | 240 |
|  | 15 | -- | -- | Erect cornice 50 | -- | 50 |
|  | 95 | -- | -- | Start upper zone 230 | Continue bridge 10 | 240 |
| 5 | 340 | Prepare stone 60 | -- | -- | -- | 60 |
|  | 270 | -- | -- | Complete upper zone 230 | Complete bridge 10 | 240 |
| 6 | 340 | Prepare stone 60 | -- | -- | -- | 60 |
|  | 270 | -- | Middle level 40 | Dome to Coffers 200 | -- | 240 |
| 7 | 120 | -- | Upper level 50 | Complete dome 90 | -- | 140 |
|  | 130 | Erect 50 | -- | -- | -- | 50 |
| 8-9 |  | Finish decoration | Finish decoration | Finish decoration | -- | ? |

**2. Progress of works on site, reproduced from Wilson Jones 2015:**

|  |  |  |
| --- | --- | --- |
| **Date** | **Progress** | **Imperial association** |
| 110 | Previous Pantheon burns | Trajan reigns |
| 112-114 | Conception of the new Pantheon; scheme design |  |
| 114-116 | Site preparation and foundations |  |
| 116-119 | Progress on brick and concrete superstructure | (117) Hadrian’s accession |
| **118-121** | Rotunda sufers cracking; progress interrupted; improvisation of the grottoni; **nonappearance of 50-foot shafts for the portico** | (118) Hadrian returns to Rome |
| 120-123 | Grottoni completed; work begins on the dome; work on the transitional block interrupted | (121) Hadrian leaves Rome |
| **122-124** | Completion of the dome; completion of the transitional block; **decision to use 40-foot shafts for the portico** |  |
| 124-5 | Completion of the portico; installation of statuary and fittings; finishing and inspections | (125) Hadrian returns |
| 125-127 | Dedication of the Pantheon |  |
| 128 | -- | Hadrian Leaves Rome |

**3. *BGU* 3.762, lines 12-20, Camel Requisitions:**

|  |  |
| --- | --- |
| …τοὺς δὲ λοιποὺςκαμήλους δ ἀπογρ(άφομαι) εἰς τὸ ἐνεσ-τὸς [γ] (ἔτους) Ἀντωνείνου καὶ Οὐήρουτῶν κυρίων Σεβαστῶν **ἐκ δὲ τού-των ἐπέμφθη εἰς χρείας τοῦ κα-θελκομένου κίονος πορφυρειτι-κοῦ(\*)** ἐξ ἐνκελεύσεως Ἀννίου Συρι-ακοῦ, τοῦ λαμπροτάτου ἡγεμό-νος, κάμηλος ε̣[ἷς] ἐπὶ μισθοφορᾷ | … the rest of the camels I register in the current year of Antoninus and Verus the venerable Caesars, and **from these camels one was sent on hire for the purpose of transporting a porphyry column**, on orders of Annius Syriacus, most reknowned prefect. |

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**4. *P. Giss* 69, lines 8-15, Transporting a 50-foot column shaft:**

|  |  |
| --- | --- |
| παρακαλῶ ἐν πᾶσι σπουδάσαι καὶ πᾶσαν τὴνοὖσαν ἐν τῷ ὑπὸ σοὶ ν[ομῷ κ]ρειθὴν(\*) ἐντάχει αὐτῷ ἐπιστεῖλαι καὶ βωήθει̣αν(\*) δῶναι(\*),ἵν[α δι]ὰ σπ[ο]υδῆς ἐμβαλόμενος πᾶσαν τὴν[κριθὴν τα]χέως εἰς Καινὴν παρακομίσῃ,**ἐπεὶ διὰ τὴν τοῦ πεντηκοντάποδος στύλου****καταγωγὴν πλεῖστα κτήνη ἔχομεν** καὶἤδη σχεδὸν κρειθῇ(\*) λειπόμεθα· | I ask you to give help in every matter and to quickly send to him all the barley available in your *nome*, in order that, after loading the barely with haste he might quickly make his way to Qena**, since we have a great many beasts for the transport of a 50-foot column shaft** and we have nearly already run out of barley. |

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