

Myths behind Calendars

Leo Dubal

Virtual laboratory for archaeometry / F-48500 Soulages

dubal@archaeometry.org

Abstract

The date of acceptance of a founding myth by the concerned community of believers might be traced with any artefact carrying a *kind of* colophon with date and site of release. The “birth certificate” of the myth of *Muhammed - Allah’s Messenger*, is a coin, minted in Persia in calendar year 67 AH (Anno Hegira). This era commemorates the Muslim tribe’s migration from Mecca to Medina. The late graft of the myth of *Prophet Muhammad bringing up the rear* of this migration has shaped the astonishing perennity of the Hegira Era. Regarding the myth of the *Incarnation of the Lord*, its “birth certificate” is a Diploma, issued in England in calendar year 736 AD (Anno Domini). This era commemorates the Incarnation of the Christian Divinity. The hypothesis about the origin of the AD Calendar as counter-attack to the rapid spreading of the AH Calendar is discussed.

If a founding myth *tells* the original event of a calendar era, in contrast, the artefact, carrier of the date and site of release, *remains*. This “birth certificate” attests the recognition, by the concerned community of believers, of the identity virtue of the myth and *historicizes* the event. Between its date and the one inscribed on the birth certificate takes place de facto a “chronological gap”, which the annalists will fill up by *retro-dating* the collective imaginary. Expressed in terms of a calendar era, the date, recorded for the visual account of an ancient solar eclipse (see: http://www.archaeometry.org/seleucid_era.pdf), does anchor this era chronologically. Such anchor is unfortunately lacking to the Maya Era.

As a preamble, we will suppose that Marcus Terentius Varro, imagining Rome's foundation took place exactly 7 centuries before, decided to name the current calendar year 700 Ab Urbe Condita. As a matter of fact, no dated artefact has so far been found to confirm the date of this invention ! Though, it is sure that the Roman emperor Claudius organized a fastuous celebration of the 800th year AUC, an historical event reported by Dio Cassius in his History of Roma (Book 60 / Chapter 29) :

Ἐν δὲ τῷ ἐξῆς ἔτει ὃ τε Κλαύδιος **ὀκτακοσιοστοῦ** τῇ Πρώμῃ ἔτους ὄντος
(...in the **800th** year of the foundation of Roma)

Source: <http://remacle.org/bloodwolf/historiens/Dion/livre60.htm> :

There is an amazingly similar story to the one ending by Claudius' celebration. This story again took place in Rome. It is the celebration of the Re-birth of the Roman Empire....

The duly chosen date for the coronation of the emperor of the *Holy* Roman Empire has been the 800th anniversary of the *Incarnation of the Lord* (a date which turns out to be late by 1 week over winter solstice). By eschatological precaution, calendar year 800 AD (Anno Domini) is not mention here. The celebration day is recorded by the Laurensheim’s annalist as (new year’s day) 801, Dccci in latin, see Fig.1.

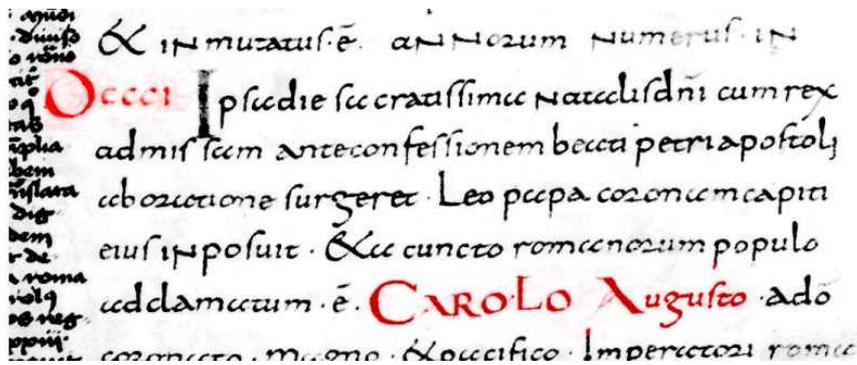


Fig. 1 Extract of Laurensheim Annals for year DCCCI AD (+801 CE)
 Source: <https://gallica.bnf.fr/ark:/12148/btv1b9078401h/f89.image.r=laurensheim>

Actually, before accessing to the highest rank, the ambitious Charlemagne and his accomplice Alcuin, patiently weaved their plot: they first introduced School, then let in 789 AD, in Aachen, the Council to confirm the royal order to schools to teach computus. This minutious staging of the Re-birth of the Roman Empire did include the teaching of the future subjects how to express calendar dates in terms of the AD calendar drafted by Bede the Venerable !

As the original manuscript of *De Temporum Ratione* by Bede the Venerable got lost, the date of the invention of AD Calendar looks as foggy as the date of the invention of the AUC Calendar by Varro. In addition, the Varro-Claudius dyad turns out to have its mirror image with the Bede-Charlemagne dyad. For sure is that, 4 years after the defeat of the Islamic invaders at the battle of Tour, the “year 736 of the Incarnation of the Lord” on the colophon of the Ismere’ Diploma, is the very first calendar date expressed in terms of the AD calendar, (see Fig. 2).



Fig.2 Colophon of the Ismere Diploma dated +736 AD
 Source: https://en.wikipedia.org/wiki/Anglo-Saxon_charters#/media/File:Aethelbald_charter_Cyneberht_736.jpg

In the *Codice Electronici Sangallenses*, the retro-dating of historical events, in terms of the Christian calendar, fills up only one decade (!) of the “chronological gap” generated by the invention of this calendar by the Venerable Bede (see Fig. 3).

By the way, this bilingual coin exhibits an amazingly high degree of religious tolerance. In contrast, by calendar year 93 AH, texts on dirhams appeared without any effigy, highly proselytizing and in Arabic only.

In 98 AH, bilingual texts in Arabic and Latin showed up on coins minted in Andalusia. In the Iberic Peninsula, calendar dates were written, in those days, according to the local Era Gotica, Hispanica or even Tarij as-Safar, see <http://www.archaeometry.org/era.pdf>). The chrono-ecliptic anchorage is the solar eclipse of 1079.07.01 EC, i.e. *Era mcxvii kls julii*. It fixes year 1 EG to -37.01.01 EC, though Caesar & Sosigenes have introduced the Julian calendar already on -44.1.1 EC. The use of EG calendar has been confirmed by the Tarragona Council of +516.11.06 EC, and then abolished in +1351 EC.

98 AH corresponds to calendar year +717 EC, i.e. 755 EG. In the latin text on the obverse side of a dinar minted that pretty year, presumably in order to avoid confusion among the Visigothic subjects, the year is not specified (see Fig.5).

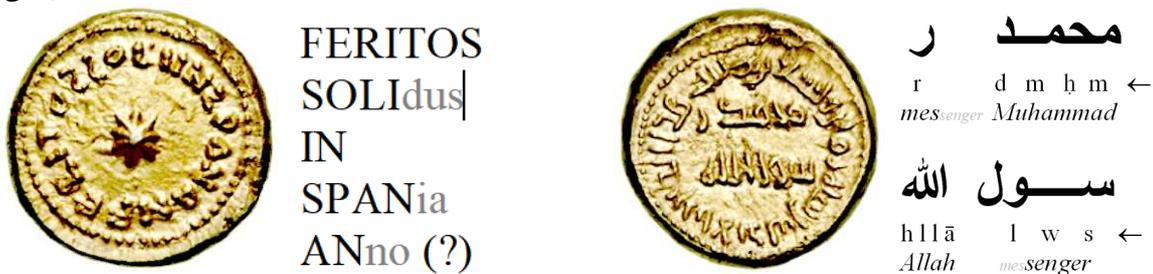


Fig. 5 Arabic-Andalus dinar with star dated 98 AH

Source: <https://www.islamic-awareness.org/history/islam/coins/latin7.html>

The margin of the reverse side of this dinar gives the Islamic date:

ضرب هذا الدينار بالاندلس سنة ثمان و تسعين
 nyʹst w nmṭ ons sldnālāb rānydlā ādh brḍ ←
 Minted, has been this **dinar**, at Al-Andalus, year 8 and 90 (98 AH, i.e.: +717 CE)

This time, “*Muhammad, Allah’s Messenger*” is sitting enthroned, right at the centre of the obverse side of this dinar. Calligraphy casts a hijab on the face of the Sassanid effigy. Are we flipping coins? Does Myth substitutes History?

Conclusion

The devastatingly fast introduction of the Islamic Calendar in South-Western Europe might well have been the spark triggering the invention of the Christian Calendar by Bede the Venerable.