Alpenland & Altaitalia hinterland Archives

*Archivio Storico Geografico Civico
Diplomatico Alpino e Cisalpino*

TWELFTHS

diagram by 12 and 13 days using linear or non-add-up criterion

On this twelve-day diagram we have almost completed an ethnomathematical survey of all the basic numbers, created to synchronise the 2+2 equinoxes and solstices. However, these are not the numbers that rule the days of the task and work or doings, which revolve around the years on another level, despite are interrupted sometime by the festivals of the 51 totem poles we have already roughly described. We have not even synchronised these 51 numbers, but have only described their position (or Date) on a timekeeping diagram.

Here are the twelve standard days that are anchored or moored on totem poles, i.e. festivals or named rituals and proverbs. Note that distances of 56 days are always counted by five series of twelve numbers, while four series of twelve days builds a month of 40+7=45 or 46 days, but not 47 because ...a season has two months of 40+7=46 days, or 40 days of task and doings plus 7 of rest and holidays, in a linear or non-add-up mode, where the last of 40 days is even the first day of the seven resting days, always with a total of 46 true days.

So, being the season of two months, you have 46+46=91 and not 92 days, or 45+46=91 while the last day of the first month is the first day of the second month of course, that is: every month always has 45 days, plus one in between, no matter if of work or holiday. Two of these month are in spring, summer, autumn, not in winter where both months always have 40+7=46 days... because here the day "in between" will be the Bis day in a leap year only, with a total of one time a true month of 40+7=47 days every four years.

Counting twelve days in these months of 45/46 days, it turns easy to remember timekeeping when some seasons do not have so many totem poles to... remember. So every season could count twice 01 12 23 34 45 46 where days from 40th to 46th will always be for rest & holidays.

Computing these 8 months by 40+7 days and 51 festivals, we have: 40x8=320 working days, but 43 totem poles are interspersed within, and so 320-43=277 true working days, holidays or resting days are 4x5=20 every 1st month, and 4x6=24 every 2nd month plus one in winter =45 incorporating 8 festivals anyway, and so 45+43=88 days of true holidays against 277 working.

At the bottom of this diagram is a summary of main distances in this rural Calendar, out of the numbers that could be a wreck or a monument of primitive synchronizations, described later.

Perennial Totems & Festivals by 12/13 DAYS

Distances between **51** markers and Festivals, or Totem poles, in our rural Calendar are 7+11+7+5+1=**31** ways to sum up **56** days, or **57** days and 56+9=64 not 65 days, here **[E]** the main **ephemeris [T]** the **Totem** poles **[d]** some of 48 **dummy** poles or pickets.
diagram by Mario Venturini **Alpenland** & **Altaitalia hinterland Archives** *www.altaitalianationalarchives.eu*

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distances by straight twelfths have two Totem poles and are ever coupled by a non-add-up mode: that is 12 are coupled to other 12
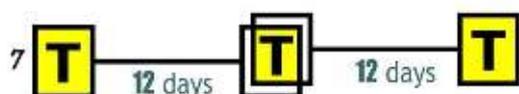
there are seven (7) twelfths in winter with ten (10) Totem poles totalling
by dec 2nd santa Bibiana to dec 13th santa Luciia until Natal Pas dun Gal dec 24th
by dec 26th san Steven to jan 6th La Befana until jan 17th san Tantòni
by jan 23rd santa Emerenziana to feb 3rd san Biaas (first day of leap year) and
by feb 3rd san Biaas to feb 14th san Valentino until feb 25th santa Walburg

twelve summer days with a Totem pole and an Ephemeris **by La Madelèna july 22nd to august 2nd**
on the last day of Sun maximum delay to scheduled time of noon (commenced on july 19th)

note that: by "non-add-up" mode, the twelfth day of a series is even the first day of the following series, id est 12+12=23 days (not 24)
now fiftysixt numbers by "non-add-up" mode or "linear" mode contains five twelfths, id est 12+12+12+12+12=56 days (not 60 days)

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distances by 12 long days or 12+1 days have two Totem poles (two festivals) but one of them is on thirteenth day
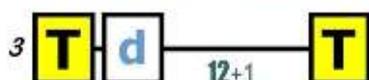
there are 4 distances by 12+1 days (two in winter and two in spring)
by november 25th (santa Caterina) to december 7th La Minima
by march 1st (Chalandamarz) to march 13th Tredesin
by marzo 13th (Tredezin) to march 25th La Nunciata

the twelfth of san Tantòni starts and ends by a festival on the thirteenth day:
by january 17th san Tantòni to january 28 (or january 29 the first of 3+3 days of Mærla)

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distances by 13 straight days marks out two festivals (or Totem poles) that are adjacent to 13 days

four distances by 13 days between two Totem poles
by october 29th until november 10th between san Simoon and san Martin
by 12th until november 24th between san Martin and santa Caterina
by 11th until august 23rd between san Lowreens and san Bertulamee
by 16th until september 28th between L'Ottava (eight days ahead autumnal equinox) and san Michee

two distances by 13 days from Totem poles to a day ahead Totem poles
by october 15th santa Teresa until october 27th ahead of san Simoon
by june 11th san Barnabàm until june 23rd ahead of san Giowan

a distance by 13 days between a holiday and a Totem pole **by june 17th the last of 6 holidays**
between last month of spring and first month of summer and going to june 29th san Peder Totem pole

a distance by 13 days from a holiday and going to a day ahead of a Totem pole
by july 28th first of 5 holidays between two summer months until august 9th ahead of san Lowreens

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there are even 12 short days or 6+6=11 days in summer by non-add-up mode

twelve short days distance by 6+6=11 not 12 days and three (3) Totem poles
by san Lowreens august 10th to middle day of 3rd Camporella (15th) going to san Bernard august 20th

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DISTANCES are [**7+1 = 8 twelfths pair**] plus [**one short twelfth** or uneven as 6+6=11 by non-add-up mode]
twelve are the thirteenths, as [**3+1 = four 12+1=13 long days**] c [**6+2 = 8 straight thirteenths**] and
[**12x30 = 360+5 days as straight twelfths**] and [**12x33 = 364+1 days non-add-up twelfths** not 363 o 396] every year
[**4+1+2 = 7 fiftysixths pair**] and [3+1+3+1+2+1 = **11 short fiftysixths** or uneven] [**two are 57 days long** by 57+9+57]
[2+2+1+1+1 = **7 long fiftysixths**] and [1+1+1+2 = **5 elongated fiftysixths** by 56+9=64 days not 65]
[**13+13 = 26 fiftysixths** by Rotation from san Biaas (february 3rd) to La Candelora (february 2nd) four years after]