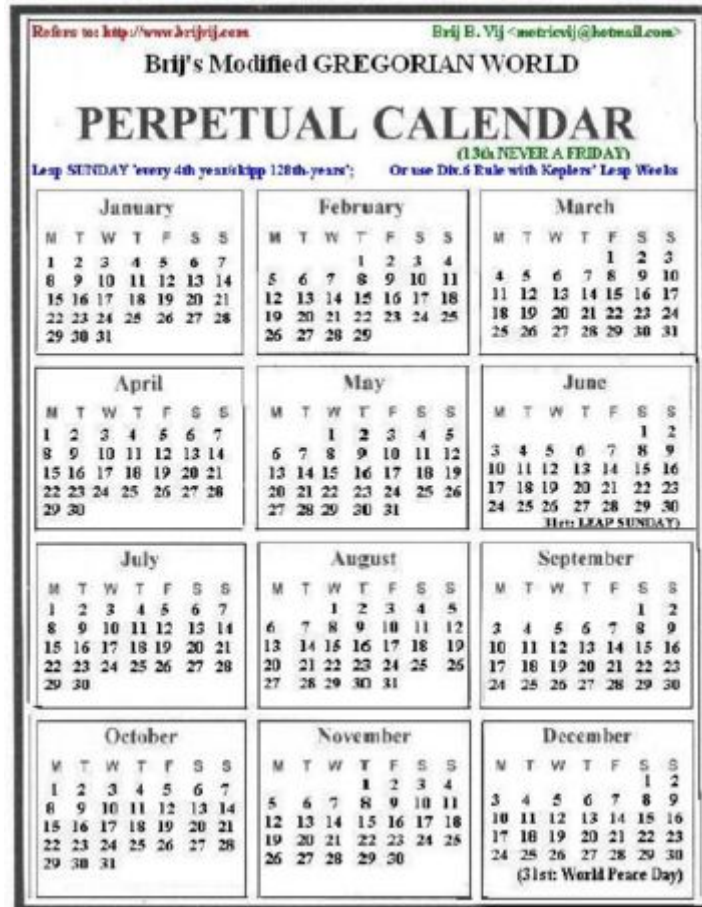


Modified Gregorian Calendar



The Modified Gregorian Calendar by Brij Bhushan Vij [Original at above site].

The **Modified Gregorian Calendar** is a [calendar reform](#) proposal by Brij Bhushan Vij, a fellow of the Metrology Society of India. It is a [perpetual](#), 364-day calendar in which each year begins on a Monday and ends on a Sunday.

Like the [World Calendar](#), the Modified Gregorian Calendar features two "off-calendar" days that are outside the standard weeks and months, but count as part of the calendar year.

The 365th day of every year is "World Peace Day," December 31, which is placed after the final day of the month of December, Sunday, Dec. 30. In leap years, a 366th day of the year would be added after Sunday, July 30, the final day of the month of July.

No.	Name	Days	Leap Days
1	January	31	
2	February	29	
3	March	31	
4	April	30	
5	May	31	
6	June	30	Leap Day (after June 30) 366 th day
7	July	30	
8	August	31	
9	September	30	
10	October	31	
11	November	30	
12	December	30	World Peace Day (after Dec. 30) 365 th day

[edit]

Features and benefits

The calendar has 52 weeks(364-days) of 4 equal quarters (91-days or 13-weeks)

There are no Fridays the 13th

It is perpetual - months and weekdays never change

[edit]

External link

Homepage of Brij Bhushan Vij : <http://www.brijvij.com/> (modified: 20071124)

Leap Weeks (Option) –

[Refer also: http://brijvij.com/Brij_index_Contributions.doc & http://www.the-light.com/cal/bbv_div6.doc]

Brij Bhushan Vij has proposed an 834-year cycle, where a year has a leap week if and only if *it is divisible by six or is one of nine additional years* per 834-year cycle. See his [MS Word document](#) for a table of these additional leap years. Each of these additional leap years occurs either 90 or 96 years after the previous such year and all have odd numbers divisible by 3.

Also, refers to: http://www.hermetic.ch/cal_stud/palmen/lweek1.htm#cycle

The **Bonavian Civil Calendar** does not use the Gregorian cycle. Instead, it uses an 896 year cycle, equivalent to a Julian calendar modified so that years divisible by 128 are not leap years. A year has a leap week if and only if *it is divisible by 28 but not 896 or has a remainder of 5,11,16 or 22* from dividing by 28. Its new year varies about **2 weeks** against the seasons.

CALENDAR-REFORM: Brij VIEW

By: metricvij@hotmail.com

This work is a reassembly of factual changes that calendars have undergone, fulfilling the changing needs of man to keep track of events in history, for his own use through generations. Records appear to have been updated effective Era of Creation (c.4713 BC), wherefrom Julian Dating appears to be initiated.

The aim is to review attempts made by this author during past three decades (1970 onwards) in pursuing the attempted failures of harmonizing; and to overcome the anomalies left in the construction and/or improvisation, for ‘A World Calendar for All Ages¹’ in order to perfect the currently used Gregorian calendar.

Although western civilization recognizes that Hindu thought lacks evidence in respect to establishing positive dates, if and when, on events about Ramayana and Mahabharata occurred. It is astronomically relevant that Mahabharata² Epic relates to and can be dated at 3102 BC February 17/18 (midnight) – the start of Kali Yuga, linked to Lord Krishna.

In this work attempt is made to link most calendars, since recorded history (as they came to this author’s study material). Complexities of determining the positions of planets in our solar system because of irregular motions of the Sun, Earth & Moon inter-relation and hence astrological predictions have remained a subject of interest to experts and laymen alike. My study of this material is therefore confined to ‘Smithsonian Institutions’ inscription’: *for the increase of knowledge from man to man*³ – especially where the Metric System failed to involve Time count of the Day/Hour and to link it with arc-angle and hence to define Nautical Kilometre.

The Decimale⁴ calendar initiated by France died a natural death with the defeat of Emperor Napoleon in the wake of Church authority. Although the ‘cgs’ measurement of units as against the then used ‘fps’ system took to be recognized as the Metric System of Units, yet the cause of *decimale time* got abandoned due to politico-religious dogma and failure of Prieur of Cote d’Or while favoring

adoption of the Metric System, by the decree of 1795 April 7 in France; forcing the world scientific family to gradually see its merits. I could find NO LINKS to bridge the 'gap' for a reform of the calendar with ideals of Metric Norms for Time Standard⁵, in order to *link time units with the arc-angle that led to define The Nautical Kilometre*.

Whatever went wrong in defining the Nautical Kilometre via *THE METRIC SECOND*⁶ (1973 April) to fill 'this gap' left by proponents of the metric deliberations; but the objective failed to press for adoption and continuation of 'Decimale Time scale', which lasted for a mere 13 years. Attempts of The World Calendar Association, New York (USA)⁷ for adopting the *International Fixed Calendar* by Moses Burines Cotsworth and the discussions that followed at United Nations led to [sine die](#) adjournment of the Calendar Question (1956 April 26)⁸; till a better and promising proposal came before the World body which could remove the discrepancies in Gregorian calendar, and not cause the 'sabbath' cycle to rotate when year/month/week cycles change.

Re-working of astronomical data for direct application became a matter of 'arduous calculations' to prove my point⁹ of view. Several formats of calendars based on division of the day into *metric, sidereal and/or solar* intervals¹⁰ of time have resulted in the format of World Decimal Calendar¹¹ framed up on an 896-year cycle to account five (5) normal year of 52-weeks each; and all years divisible by six (6) to have an added 53rd week, as Leap Week of the Year (during which it occurs), respecting the 'Leap Week Rule'. Later my 834-years cycle¹², needed only nine (9) Additional Leap Weeks, at intervals of 87, (90,96), (90,96), (90,96), (90,96) years shall be 'symmetrically placed' to make the calendar lunisolar.

During 19-year Metonic cycle¹³⁻¹⁴, the moon account for 6939½ 'tithi' or phases in 235 lunation (lunar months); and 254 sidereal revolutions of moon account 6858 'nakshatra' or asterisms. Other than 10-day calendar correction done by Pope Gregory XIII, a further 2½ days need be removed and adjusted to align calendars. Also, 38-day adjustment need be made towards Modified Julian Dating, for which I suggest that the Julian Day clock could hold its hands from November 14 through December 21, during the year of introduction of Modified Gregorian World Decimal (VGRC) Calendar.

Other anomalies or foreseen difficulties for decimalization of the Year/Day/Hour can be resolved by *event count* in the format of YYYY WW DD (day name) / followed by decimalized time of the hour (h x m_d x s_d). The 7-day 'Sabbath cycle' and the 24-hour clock using decimalized minutes and seconds *in the hour*, can easily be tied¹⁵ with decimal divisions of the arc-angle; *one degree (π/180)* 'without affecting currently used mathematical and trigonometric functions'. Length unit – METRE is linked to Indus civilization; but a slight increase in its length by the factor 1.11194886884 times 'metre', can bring in the desired result. Thus, each hour can have 100 decimal minutes and each minute to have 100 decimal seconds; and pegged along (π/180 — one degree) 1° x 100' x 100" of arc-angle.

Here is an option for justifying the World Opinion, if we sincerely mean to resolve the 'calendar question' and take technology forward during this 'new' millennium and work for an ever-fixed World calendar, more so to define the Nautical¹⁶ Kilometer, replacing Nautical Mile!

REVISING Average Mean Atomic Year Value (Y₂₀₀₇) to define 'corrected' Decimal Second (s_d):

According to <http://en.wikipedia.org/wiki/Tropical_year>: The current values and their annual change of the time of return to the cardinal ecliptic points are: (1) vernal equinox: 365.24237404 + 0.00000010338×a days; (2) northern solstice: 365.24162603 + 0.00000000650×a days; (3) autumn equinox: 365.24201767 – 0.00000023150×a days; and (4) southern solstice: 365.24274049 – 0.00000012446×a days, where a is number of years after Y2000. I consider the YEAR length can be fixed at the Average Mean Atomic Year i.e. [365.24237404 + 365.24162603 + 365.24201767 + 365.24274049] / 4 = 365.2421895575 days. Astronomers, however, have fixed the Year value, Y2000 = 365.242189669781 days. This during the past century, Y1900 was 365d 5h 48m 45s.9747 i.e. 365.24219878125 days".

In my works, I have aimed to get Mean Year value at: $(365+31/128) = 365.2421875$ days, using div.4/skip 128th years (for Leap Days count); or $(7*128) = 896$ -years/159 LWks to give Mean Year of $(365+159/896) = 365.2421875$ days $= 7*(52+1/6+29/2688)$. I now propose to fix, Y 2007 = 365.2421875 atomic-days and align with Y2000 = 365.242189669781 days, thus *ratio $365.242189669781/ 365.2421875 = 1.000000005940663686338260144168*$. This also, mean that 'New Atomic Day = 86400.00051327334 25 atomic second'; each atomic second of 794243389646333 cycles of Cs-133 at hyperfine levels. Accordingly, decimal second = 3309347457 periods of radiations of Cs-133 at hyperfine levels.

DEFINITIONS: TWO base definitions are proposed for 'new' SI-units of Time (sd), and Length – Metre New (m'), for coordination with rotation of Earth as given below:

"Time Unit (Reworked Atomic Decimal Second (sd)): ONE DECIMAL SECOND (sd) is the time interval between any TWO events that take place during the fraction 1/240000th of the atomic day (of 86400.0005133 atomic seconds) and correspond to 3309347457 periods of radiations of cesium–133 atom, at defined hyperfine levels, when the atom is at rest. **This is 36 % of the SI atomic-second (i.e. 1/ 87658125th of (corrected) Average Mean Atomic Year, Y2007 (see above).**

Length Unit (Metre New (m')): 'Metre (m') is the distance traversed by light, in vacuum, during the time interval, 1/97059575.22TH of the decimal atomic-second'. Since '1/100th of one degree ($\pi/180$ radian)' is to be the Nautical Kilometre; length distance METRE can be seen as 1/100000th of ($\pi/180$ radian) – One degree".

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Values for Mean Year and Mean Lunation are possibly the best 'comparable with any calendar'. Brij Bhushan Vij (metricvij AT hotmail.com) 7 January 2005 ...
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As against this, the Gregorian **calendar** accumulates such error in 3319.846457 years.
BRIJ BHUSHAN VIJ. *Modified on 2004 October 27: Please refer, ...
http://the-light.com/cal/bbv_div6.doc - - [Cached](#)

[Brij Vij's Contributions](#)

Brij Vij's Contributions. Here are my contributions to Victor's upload area.
About **Brij Bhushan Vij**; Picture of Harappan **Calendar** · Table of Eras ...
http://the-light.com/cal/bbv_index.html - 3k - [Cached](#)

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Sl.No.	TITLE	Registration	©Date Registered
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