

(Refers to: [http://11082lunationcalendars.wikia.com/wiki/Modified Gregorian Calendar](http://11082lunationcalendars.wikia.com/wiki/Modified_Gregorian_Calendar)) (Modified 2010 0404 Easter Sunday)

Purpose of THIS FORMAT of MODIFIED GREGORIAN CALENDAR is intended to overcome \*ALL or most\* discrepancies noticed in currently used calendar – corrected by Pope Gregory XIII, and refers to **Brij Bhushan Vij's** Home Page: <http://brijvij.com/> for use as an "Alternate Calendar for World Use". This can be introduced on the night of 2012, December 21/22 on omitting TWO calendar days (i.e. Saturday & Sunday) as MJD 56283 correcting the error accumulated since the correction of Papal Bull of 1582 October 05-14.

This links with Era start at Year Zero '0000' AD/BCE as  $15 \times 128 = Y1920$  i.e.  $[Y2000 - 80 \pm 128]/128$ , when  $Y1920 + 0093 = Y2013$ , make its First Kepler Leap Week Year, using divide six(6) plan, since NEVER USED by man IN HISTORY: [http://www.brijvij.com/bb\\_896-yrs-159lwk.pdf](http://www.brijvij.com/bb_896-yrs-159lwk.pdf) & [http://www.brijvij.com/bb\\_896rev-distr.claim.pdf](http://www.brijvij.com/bb_896rev-distr.claim.pdf).

**AUTHOR**

## Modified Gregorian (2013 – Starting Monday) Calendar ©1971-2010

January 2010 – W00 thro W04							February 2010 – W04 thro W08							March 2010 – W08 thro W12							REMARKS
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
1	2	3	4	5	6	7	*	*	*	1	2	3	4	*	*	*	*	1	2	3	<b>Two days</b> are kept out of the Calendar format, as Leap Sunday of Year XXXX; and World Peace Day of Year XXXX, when used as Leap Days on 'Divide4/skip 128 <sup>th</sup> – yrs on changing current Leap Day Rule. <b>THIS gives Mean Year = (365+31/128) days = 7*(52+159/896) days = 365.2421875 days.</b> Same MeanYear: Div.7 & Div.8 PLANS <b>Leap Sunday – June 31<sup>st</sup> using (div.4/Skip 128<sup>th</sup> Rule)</b>
8	9	10	11	12	13	14	5	6	7	8	9	10	11	4	5	6	7	8	9	10	
15	16	17	18	19	20	21	12	13	14	15	16	17	18	11	12	13	14	15	16	17	
22	23	24	25	26	27	28	19	20	21	22	23	24	25	18	19	20	21	22	23	24	
29	30	31	*	*	*	*	26	27	28	29	*	*	*	25	26	27	28	29	30	31	
April 2010 – W13 thro W17							May 2010 – W17 thro W21							June 2010 – W21 thro W25							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
1	2	3	4	5	6	7	*	*	1	2	3	4	5	*	*	*	*	*	1	2	<b>THIS gives Mean Year = (365+31/128) days = 7*(52+159/896) days = 365.2421875 days.</b> Same MeanYear: Div.7 & Div.8 PLANS <b>Leap Sunday – June 31<sup>st</sup> using (div.4/Skip 128<sup>th</sup> Rule)</b>
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	
29	30	*	*	*	*	*	27	28	29	30	31	*	*	24	25	26	27	28	29	30	
July 2010 – W26 thro W30							August 2010 – W30 thro W34							September 2010 – W34 thro W38							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
1	2	3	4	5	6	7	*	*	1	2	3	4	5	*	*	*	*	*	1	2	<b>FEATURES:</b> * Year in 4 Quarters/91days/13Wk * Year has 13 <sup>th</sup> NEVER A FRIDAY * ALL YEARS HAVE FEB.29 <sup>th</sup> in EVERY YEAR *PERPETUAL, months/Days DO NOT CHANGE, with YEARS *Thus, No Change in Birth Dates/ DAYS * Please see my <b>PROFILE:</b> <a href="http://www.brijvij.com/bbv_vip-brief.pdf">http://www.brijvij.com/bbv_vip-brief.pdf</a>
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	
29	30	*	*	*	*	*	27	28	29	30	31	*	*	24	25	26	27	28	29	30	
October 2010 – W39 thro W43							November 2010 – W43 thro W47							December 2010 – W47 thro W51							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
1	2	3	4	5	6	7	*	*	*	1	2	3	4	*	*	*	*	*	1	2	<b>World Peace Day (December 31<sup>st</sup>)</b>
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	
29	30	31	*	*	*	*	26	27	28	29	30	*	*	24	25	26	27	28	29	30	

JAN:001<sup>st</sup>; FEB:032; MAR:061; APR:092; MAY:122; JUN:153; JUL:183; AUG:213; SEP:244; OCT:274; NOV:305; DEC:335 – New Year:365<sup>th</sup>

**REFER:** [http://11082lunationcalendars.wikia.com/wiki/Modified Gregorian Calendar](http://11082lunationcalendars.wikia.com/wiki/Modified_Gregorian_Calendar). Same Mean Year value is obtained, on using Leap Weeks with 'Divide SIX (6)Year plan for 896-years/11082 lunation [having 159 Leap Weeks] Lunisolar cycle (1992) as:  $7 \times (52 + 159/896)$  days which is also as:  $7 \times (52 + 1/6 + 29/896)$  days. My NEW FORMAT uses the most recent data and believe that 896-year/159 Leap Week lunisolar cycle need ONLY \*one extra day/tithi alignment\* for solar calendar to align with lunar calendar and COMPENSATE 'one lunar month' in around ONE cycle of Precession of Equinoxes [(29\*896)-yrs/321378 lunation – the last lunation getting automatically compensated i.e. 321378<sup>th</sup> lunation – after 321377 lunation].  $(3200 \times 8 + 3 \times 128) = 25984$ -years.  $25984$ -years = 9490453 days/321377 lunation [321378 lunation = 9490482 days – 9490453 days = 28.57058018 d]. **Leap Day Rule (modified):** Leap Day Rule needs modifying from: "div.4/skip100<sup>th</sup>/ count400<sup>th</sup> years" to improve Mean Year value from 365.2425 days to **365.2421875 days**, using **Leap Day Rule of \*div.4/skip128<sup>th</sup>/count 3200<sup>th</sup> years\***, when the extra ONE day is removed/adjusted.

## RULES: The Alternate (corrected) Gregorian Calendar

- (a) The New Calendar shall have an 'improved Mean Year value' over Julian or running Gregorian calendar; and as far closer to current Average Astronomer's Mean Year Value;
- (b) Year format shall not be much different (for easy memorizing) months in the year, days in the month or cyclic days in the week – starting on Monday (01), Tuesday (02), Wednesday (03), Thursday (04), Friday (05), Saturday (06) and Sunday (07/00);
- (c) 12-months in the year shall have FOUR equal quarters & TWO equal half years (on inserting the Leap Day); OR have FOUR equal quarters with a Leap Week placed outside of the format, to account 'extra seven days' adjusting 1.242189669781 day over 364-day format, without causing any break in SABBATH cycle, [http://www.brijvij.com/bb\\_CalRhyme.jpg](http://www.brijvij.com/bb_CalRhyme.jpg).  
**Leap Weeks:** A year shall have the extra Leap Week, if and only if, year number is additionally divisible by SIX (6), unless it is one among the planned Additional Keplers' Leap Week of Year XXXX, as per cycle plan, see: [http://www.brijvij.com/bb\\_896-yrs-159lwk.pdf](http://www.brijvij.com/bb_896-yrs-159lwk.pdf) ;
- (d) The 'new format' shall be easy to understand and follow, like the current popular Gregorian calendars and cheap to implement;
- (e) Passage of Time count shall be linked to 'angular transit' of Sun-Moon-Earth in their orbital paths;
- (f) The calendar format shall basically be of SOLAR calendar, but also cater to LUNAR needs, ONE Tithi/Phase = 1.001036908813556 day and used as 'lunisolar calendar', 19-years closer to  $5*47+235$  lunation.

### KEEPING THESE RULES IN MIND, FOLLOWING FORMAT OF Alternate (corrected) GREGORIAN CALENDAR IS SUGGESTED:

1. Format of this calendar NEVER has a 13<sup>th</sup> on Friday in any month; and starts on Sunday (00), Monday (01) thro Saturday (06) as week days, using modified format of Gregorian calendar 2007 – Monday, January 01 (JD 2454102).
2. Format of this calendar is made using 364-days in 12 months, with 4 EQUAL QUARTERS of 91-days (or 13 weeks) by shifting the day of July 31<sup>st</sup> to 'second month' i.e. February 29<sup>th</sup> during ALL years, leaving remaining 1.242189669781 days – to be accommodated as Leap Days or Leap Weeks.
3. 365<sup>th</sup> day of year (December 31<sup>st</sup>) is placed after December 30<sup>th</sup> but before January 01<sup>st</sup> of next year, as *World Peace Day*; A Leap Day is placed after June 30<sup>th</sup> but before July 01<sup>st</sup> once every four years, except the 128<sup>th</sup> – on modifying current Leap Day Rule \*from div.4/skip100<sup>th</sup>/count 400<sup>th</sup> years TO div.4/ skip 128<sup>th</sup>\* getting Mean Year =(365+31/128) days i.e. 365.2421875 days, from current values [Julian calendar= 365.25 days & Gregorian calendar =365.2425 days].
4. **Decimalisation of Time of the HOUR:** Distribution of time of the day in 24-hours *is retained*, instead the HOUR and the minute related to arc-angle are divided into 100 divisions (along with present 60) as:  $24 \times 60 \times 60$  (86400 second, s) =  $24 \times 100 \times 100$  (240000 decimal second, (s<sub>d</sub>) – the 'new time unit' – decimal second, s<sub>d</sub>=36% of s and Arc-angles in a quadrant are likewise 'equated' as  $90 \times 60 \times 60'' = 90 \times 100''$ -arc; bettering target resolution to 278%.
5. **Era and Keplers' Leap Weeks – "NEVER DID MAN INVENT A SYSTEM TO INSERT A LEAP WEEK USING Divide six (6) PLAN"** Era start is taken at  $\{[(Y2000 - 80) \pm 128] \div 128\}$  i.e. Year Zero '0000'. [ $15 \times 128 = Y1920 + 93$ ], which make the "first natural Added Keplers' Leap Week of Y2013" after LY2010 & before LY2016, which being 'normal LWk years' divisible by SIX (6). Thus, YEARS DIVISIBLE BY SIX(6) shall have a Leap Week; and Additional Keplers' Leap Week are inserted at intervals of 90 or 84 as per cycle plan, the insertion being 3-years earlier i.e. 87<sup>th</sup> when using  $(3 \times 896) = 2688$ -year plan. [Refer: [http://www.brijvij.com/bb\\_896-yrs-159lwk.pdf](http://www.brijvij.com/bb_896-yrs-159lwk.pdf)]
6. Mean Year value is enhanced to  $(365 + 31/128) = 365.2421875$  days from current values [Julian calendar=365.25 days & Gregorian calendar =365.2425 days]. A 1200-years cycle uses 13 AKLWks to result in current Gregorian Mean Year of 365.2425 days, on using Div.six (6) plan.
7. Same Mean Year (365.2421875 days) value is obtained when used with  $7 \times 128 = 896$ -years/159 (div. six + Addl. Keplers' Leap Weeks) LWks [ $7 \times (52 + 159/896) = 365.2421875$  days (365d 5h 48m 45s)]. Since 896-years is not divisible by six(6),  $3 \times 896 = 2688$ -yrs/477 (448+29) Leap Weeks give  $7 \times (52 + 1/6 + 29/2688)$  i.e. 29 Additional Keplers' Leap Weeks are needed, when symmetrically placed. Please see: [http://www.brijvij.com/bbv\\_Prop-8019-yrSaros.div6LWks-distr....pdf](http://www.brijvij.com/bbv_Prop-8019-yrSaros.div6LWks-distr....pdf)

**Leap Day Rule (modified):** Leap Day Rule needs modifying from: "div.4/skip100<sup>th</sup>/ count400<sup>th</sup> years" to improve Mean Year value from 365.2425 days to **365.2421875 days**, using **Leap Day Rule of \*div.4/skip128<sup>th</sup>/count 3200<sup>th</sup> years\***, when the extra ONE day is removed/adjusted.

## The Astronomical Poem (revised number of days in each month)

"30 days has July, September; April, June, November and December;  
all the rest have 31 accepting February which has 29 – with Leap Day on years divisible evenly by 4;  
except when YEAR divisible by 128 or 3200 - as long as you remember that  
October (meaning 8) is the month 10<sup>th</sup> and December (meaning 10) is the 12<sup>th</sup> BUT has 30 days & ONE  
OUTSIDE of calendar-format, to be World Peace Day" – Anonymous (modified Brij B. Vij).

# Modified Gregorian Calendar

(Refers to: [http://calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar))

 The Modified Gregorian Calendar by Brij Bhushan Vij (click for larger image.)

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, June 30<sup>th</sup> , the final day of the month of June, but before Monday, July 01<sup>st</sup> .

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), to be called *Leap Day of Year XXXX*
7	July	30	
8	August	31	
9	September	30	
10	October	31	
11	November	30	
12	December	30	World Peace Day (after Dec. 30), to be called *World Peace Day XXXX*

## Features and benefits

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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

## External link

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[Homepage of Brij Bhushan Vij](#)

Brij Contributions: [http://brijvij.com/bb-karl\\_brij-Contri2k9.pdf](http://brijvij.com/bb-karl_brij-Contri2k9.pdf)