

(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.

## Divide Six: LEAP WEEKS RULE

**DIVIDE SIX (6) LEAP WEEK (Revised) PLAN:** "A year has a (53<sup>rd</sup> Week of 'year xxxx') i.e. **Leap Week or Kepler Leap Week**, if it is divisible by SIX (6); OR is 'one among the Kepler Leap Weeks i.e. **Year other than those years 'divisible by SIX (6)/896 in the cycle'**, and so centrally placed between TWO, adjacent NORMAL leap weeks, whose spacing is (generally 90-yrs  $\pm$  6) decided by ONE extra than the \*numbers of Kepler (EXTRA) Leap Weeks of cycle\* under consideration, needing insertion, UNLESS the year itself is divisible by 896 to be considered as NORMAL Leap Week, when Kepler Leap Week is inserted 3-years earlier". The anomaly, *non-divisible by SIX cycle*, in 896-years, can still be handled, arithmetically as: Mean Year =  $7*[52+1/6+(k-j)/896]$  days; where  $j = x/6 = 1/3$  [ $x$ , being other than 3] to give the right, **Mean Year value** as:  $7*[52+1/6+(10-1/3)/896] = 365.2421875$  days or 365d 5h 48m 45s.00

### Shortest Lunisolar cycle RE: Jitter Re:.. Leap Week Rule

From:  **Brij Bhushan Vij** (metricvij@hotmail.com)

Sent: Mon 3/01/10 3:26 PM

To: Karl KEV Palmen (karl.palmen@stfc.ac.uk)

Karl, sir:

>The rules do *not* need to state An 896-year span shall have 327257.01010776 days, to

>account 159 'leap weeks'. That should be a consequence of the rules.

>Also 896-year has EXACTLY 327257 days in this calendar. There is NO fractional part in the calendar.

The need to 'spell' exact number of weeks in THIS 896-year cycle arises being 'possibly' the shortest lunisolar cycle - discovered; and fits my \*divide six (6)\* Leap Weeks plus 'Additional Kepler Leap Weeks, sir. This was the reason for me to combine rules (a), (b) & (c) you outlined. More so, 896-years should remain independent of (3\*896) i.e. 2688-years.

[Snapped rest of mail: **BRIJ BHUSHAN VIJ**]



**The Burkard Prophecy:** "Possibly at end of Mayan Count of Calendar" a New Calendar need introduction!

If Mayan count of calendar days, as professed, is coming to its END – it is TIME to make adjustments in Astronomic Days elapsed since 'known historiography of man's existence' i.e. also adjusting the 2½ day discrepancy, now accumulated since last Papal Bull of 1582 October 04/14 (Friday); more so to align **calendars at Year Zero 'Y0000 AD/BCE'**. Can it be THIS – New Calendar in continuation of current Gregorian Era, with Leap Day omitting at once in 128<sup>th</sup> YEARS, to become CALENDAR BEYOND 2012 – a **rename** for my Modified Gregorian Calendar!

## 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\*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\*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  $7*128 = 896$ -years/159 (div. six + Addl. Keplers' Leap Weeks) LWks [7\*(52+159/896)=365.2421875 days (365d 5h 48m 45s). Since 896-years is not divisible by six(6),  $3*896=2688$ -yrs/477 (448+29) Leap Weeks give  $7*(52+1/6+29/2688)$  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))

Refer to: <http://www.brijvij.com> Brij B. Vij <metrievij@hotmail.com>

**Brij's Modified GREGORIAN WORLD**  
**PERPETUAL CALENDAR**  
(13th NEVER A FRIDAY)  
Leap SUNDAY every 4th year (kip 128th year); Or use Dic. 6 Exe with Keplers' Leap Weeks

January	February	March
M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
April	May	June
M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 (LEAP SUNDAY)
July	August	September
M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
October	November	December
M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 (1st: World Peace Day)

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

---

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

---

[Homepage of Brij Bhushan Vij](#)

Brij Contributions: [http://brijvij.com/bb-karl\\_brij-Contrib2k9.pdf](http://brijvij.com/bb-karl_brij-Contrib2k9.pdf)

**REFERENCE:** [http://www.google.com/search?q=http%3A%2F%2Fcalendars.wikia.com%2Fwiki%2FModified\\_Gregorian\\_Calendar&rls=com.microsoft:en-us:IE-SearchBox&ie=UTF-8&oe=UTF8&sourceid=ie7&rlz=1I7GGLL\\_en](http://www.google.com/search?q=http%3A%2F%2Fcalendars.wikia.com%2Fwiki%2FModified_Gregorian_Calendar&rls=com.microsoft:en-us:IE-SearchBox&ie=UTF-8&oe=UTF8&sourceid=ie7&rlz=1I7GGLL_en)

### 1. [Modified Gregorian Calendar - Calendar Wiki](#)

The Modified Gregorian **Calendar** is a **calendar** reform proposal by Brij ... Retrieved from "[http://calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar)" ... [calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar - Cached](#)

### 2. [\[PDF\] Modified Gregorian Calendar](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

Reference: [http://calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar). Modified Gregorian Calendar. The Modified Gregorian Calendar by Brij Bhushan Vij ...

[www.brijvij.com/bbv\\_cal-reform\\_brij.view.pdf](http://www.brijvij.com/bbv_cal-reform_brij.view.pdf) - [Similar](#)

3. [PDF] [An Alternate Solution for Reform of Calendars \(with or without ...](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

Refers to: [http://calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar). An Alternate Solution for Reform of **Calendars** (with or without) Leap Weeks ...

[www.brijvij.com/bbv\\_vip-brief.pdf](http://www.brijvij.com/bbv_vip-brief.pdf)

[Show more results from www.brijvij.com](#)

4. [that the idea of a right-triangle, i.e.the Pythagoras theorem, and](#)

Dec 24, 2009 ... The Modified Gregorian **Calendar** is a **calendar** reform proposal by Brij Bhushan ... proposal by Brij ...

[calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar) ... Google Kalender <http://www.google.com/calendar/render?pli=1> ...

[www.docstoc.com/.../that-the-idea-of-a-right-triangle-iethe-Pythagoras-theorem-and](http://www.docstoc.com/.../that-the-idea-of-a-right-triangle-iethe-Pythagoras-theorem-and) - [Cached](#)

5. [vij documents | YellowDocuments.com](#)

Modified Gregorian **Calendar**Reference: [Http://calendars.wikia.com/wiki/modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/modified_Gregorian_Calendar) Modified Gregorian **Calendar**. Star Grey ...

[www.yellowdocuments.com/tags/vij](http://www.yellowdocuments.com/tags/vij) - [Cached](#)

Refer: <http://www.yellowdocuments.com/6885287-364-day-calendars-and-yearly-day>

[Yellow Documents](#) » [Miscellaneous](#) » 364-Day Calendars And Yearly Day Count Vij Gregorian In order to show you the most relevant results, we have omitted some entries very similar to the 5 already displayed.

If you like, you can [repeat the search with the omitted results included](#).

### **Brij Adds:**

[Refer also, Home Page: <http://www.brijvij.com/> ]

“Day 3333 of 3<sup>rd</sup> millenium (Irv in his mail 20100215) is 9y 45d 19h 41m 13s (say, 46<sup>th</sup> day after Year 9! This still leave the ‘question open’ the INSTANT of start of current millenium, unresolved/undecided, unless Era start is taken at Year ‘0000’; [(Y2000 – 80 )+/-128] that get linked with 15 cycles of 128-years at Y1920. Thus, the current year is 90<sup>th</sup> after Y1920 on 46<sup>th</sup> day (February 15<sup>th</sup> ). More so, this year is divided by six (6) to have its ‘normal’ Leap Week of 7-days, at the end of December 30<sup>th</sup> (last day of this year), in my proposed Alternate World (Gregorian) Calendar 2010. Year 2013 shall be [(Y2000 – 80 )+/-128]=Y1920+93, to be the FIRST ‘Kepler Leap Week’ in continuation of Alternate (corrected) Gregorian calendar, using my 896-year cycle with Mean Year =7\*(52+159/896) =365.2421875 days”.

MJD 56293, is Tuesday 2013 January 01 – whose start can be shifted at 2012 December 21/22 (MJD 56283) on skipping *two days i.e. Saturday & Sunday*, to start the calendar on MONDAY with proposed format at: [http://calendars.wikia.com/wiki/Modified\\_Gregorian\\_Calendar](http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar) . This ‘compensates’ the 2-day discrepancy in Gregorian count after Papal Bull of 1582!”

### **SINGLE CALENDAR FORMAT – 3-OPTIONS:**

This simplest 3-options ONE CALENDAR suggest (to use Gregorian calendar) by shifting July 31 to the month February as of 29 days; and keeping December 31 OUTSIDE of calendar format:

(a) Leap day is inserted after the month June but before July, using divide by four (4) rule on modification of 4/100/400 rule to 4/128-year scheme; [see:

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

(b) The period 1.242189669781 day over 364-days is accumulated and planned to introduce Keplers' Leap Weeks as per 896-years/159 Leap Weeks Plan, or 834-years/148 Leap Weeks Plan. An 896-year lunisolar cycle is (46751.000277731968 weeks). Counting from YEAR ZERO, and using divide by six(6) Rule, I had shown need for 159 Leap Weeks (including 10 additional Keplers' Leap Weeks). **This can also be achieved**, using 53-cycles of 294-week blocks, by adding an EXTRA 'Keplers' LWk, once every 53\*294=15582 weeks ONLY five times as: [KLw+(15582+1)+(15582+1)+(15582+1)+KLw]=46751

Weeks in 896-years. This give, Mean Year= (46751\*7)/896 =365.2421875 days. Thus, year ZERO has a \*Keplers' Leap Week\*, inserted at the start, as also at the end of 896<sup>th</sup> years, additional to 53-cycles of 294 weeks PLUS 'Keplers' Leap Week'. OR (c) use VG294-years (364x294 =107016 days) - NO LEAP DAYS or LEAP WEEKS, in 293-years/3624 lunation.

**IMPORTANT:** I explained my working of 5\*47=235 lunation, closer to 19-year cycle in link with VG294/3624 lunation (or 293-years) as: 15 cycles of 19-years + 8 years spread as: (7\*19)+(19,8)+(7\*19) each 19-year (Metonic or Harappa) cycle of 5\*47=235 lunation. 3624 lunation also mean 77\*47+5; and can be spread as: [(15\*47+1)+(16\*47+1)+(15\*47+1)+(16\*47+1)+ (15\*47+1)] =3624 lunation. Using \*ratio Tithi of 19-yrs/6932.5\* has already been discussed, along with each Metonic cycle of 5\*47-lunation (1388 days)=235 lunation in the form of superyermes (a term used by Karl). **However,** I was thinking of 49-lunation combination to be of use with Metonic cycle and 3624 lunation, spread to 74-cycles of 49-lunation (1447 days) LESS a bi-month of 59 days: 74\*49-2 =3624 lunation. 207 weeks is short of 2 days from 1447 d/49-lunation; while 1388 days (47-lunation) is 198 weeks 'plus 2 days'.

**Brij Bhushan Vij**

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

## Reform of Gregorian Calendar RE: Again . . . (Re: Flt Lt. (10313) RE: Glorious India)

From:  **Brij Bhushan Vij** (metricvij@hotmail.com)

Sent: Fri 3/05/10 5:43 PM

To: theWorld Calendar Association (twca@theworldcalendar.org)

Cc: speakerloksabha@sansad.nic.in; manmohan@sansad.nic.in; ak.antony@sansad.nic.in; svpatil@sansad.nic.in; ksibal@sansad.nic.in; kapilsibal@hotmail.com; pachouri@sansad.nic.in; spjaiswal@sansad.nic.in

Honourable, sirs:

I am now spending time with my children, settled in United States. As you would know, I have been promoting the cause of ONE WORLD ONE CALENDAR. I was not lucky to get any help from 'any source' being in Air Force uniform, since Sept. 1954. I am forwarding the note I recieved, along with my reply to him - that I sent yesterday; from Dr. Wayne Edward Richardson, Director, The World Calendar Association - International.

On two occasions, Parliamentary attention had been drawn on my UNIQUE calendar:

(a) Decimal System of Calendar; Lok Sabha Question No. 8100 answered on 1974 Apr.25;

(b) Metric Clock/Calendar Devised by IAF Engineer; Lok Sabha Question No. 10066 answered on 1983 May 04.

>> Calendar versions promoted by Brij Bhushan Vij are not connected with The

> World Calendar and are not any way endorsed by The World Calendar

> Association.

> <http://www.theworldcalendar.org/>

>

The World Calendar Association <http://www.theworldcalendar.org/> was not involved or sponsored my efforts, since not being a US citizen. During interim period, on relinquishing my commission, I have continued to promote the cause of Reforming the Gregorian calendar as at:

[http://www.brijvij.com/bb\\_metro-contrbn.2007.pdf](http://www.brijvij.com/bb_metro-contrbn.2007.pdf)

This does make improvements over my 'several formats' concluding in 1990's that there should be minimal (or NO changes) to be the Surest, Easiest and Cheapest proposal to come up for world acceptance. Perhaps, I am the only person to have proposed "Introduction of Leap Weeks on 'Divide Six (6) plan' < [http://www.brijvij.com/bb\\_896-yrs-159lwk.pdf](http://www.brijvij.com/bb_896-yrs-159lwk.pdf)> using 896-years/159 Leap Weeks; 834-years/148 Leap Weeks or their combination 1730-years/307 Leap Weeks and get the best possible Mean Year/Mean Lunation values. Other than my published contributions (in India), I have placed my documents at: <http://www.brijvij.com/>.

I have established positive links that point to THIS knowledge being in vogue during \*Harappa and Mohenjo-Daro Times [http://www.brijvij.com/bb1920\\_caL-harappa.pdf](http://www.brijvij.com/bb1920_caL-harappa.pdf)\*

With profound regards,

Brij Bhushan Vij

(MJD 55260)/1726+D-075W10-05 (G. Friday, 2010 March 05H17:69 (decimal) EST

Aa Nau Bhadra Kritvo Yantu Vishwatah -Rg Veda

Jan:31; Feb:29; Mar:31; Apr:30; May:31; Jun:30

Jul:30; Aug:31; Sep:30; Oct:31; Nov:30; Dec:30

(365th day of Year is World Day)

\*\*\*\*\*As per Kali V-GRhymeCalendaar\*\*\*\*\*

"Koi bhi cheshta vayarth nahin hoti, purshaarth karne mein hai"

Author had NO interaction with The World Calendar Association except via Media & Organisations to who I contributed for A Possible World Calendar, since 1971.

My Profile: [http://www.brijvij.com/bbv\\_2col-vipBrief.pdf](http://www.brijvij.com/bbv_2col-vipBrief.pdf)

HOME PAGE: <http://www.brijvij.com/>

Contact # 001 (201) 675-8548

> Date: Fri, 5 Mar 2010 00:41:40 -0600

> Subject: Again . . . (Re: Flt Lt. (10313) RE: Glorious India)

> **From: twca@theworldcalendar.org**

> To: metricvij@hotmail.com

> CC: speakerloksabha@sansad.nic.in; manmohan@sansad.nic.in; ak.antony@sansad.nic.in; svpatil@sansad.nic.in; ksibal@sansad.nic.in; kapilsibal@hotmail.com; pachouri@sansad.nic.in; spjaiswal@sansad.nic.in

>

> Calendar versions promoted by Brij Bhushan Vij are not connected with The

> World Calendar and are not any way endorsed by The World Calendar

> Association.

>

> <http://www.theworldcalendar.org/>

>

>

> On Thu, March 4, 2010 10:21 pm, Brij Bhushan Vij wrote:

> >

> > Respected Wayne Edward Richardson, and Sirs:

> >

> > I have not been fortunate to have had any formal education, since I was a  
> > child of just 11-years during 'Indo-Pak' migration in 1947 August. My Air  
> > Force Career started on 1954 September 14, having in-built zeal to upgrade  
> > my 'educational qualification' that my father could not afford then.

> > Please see my profile at: [http://www.brijvij.com/bbv\\_vip-brief.pdf](http://www.brijvij.com/bbv_vip-brief.pdf).

> >

> >> The World Calendar Association has concerns that although the calendar

> >> you

> >> favor is not The World Calendar..... etc and 'The World Calendar' on a

> >> silver coin.

> > My first ever media contribution was published as.....A World Calendar for

> > All Ages.

> >

> >

> > A World Calendar for All Ages; Sunday Tribune, Chandigarh; 1971 June 06

> > Time by Metric; The Times of India, New Delhi; 1971 July 04

> > I am surprised that use of these words is being 'mis-read' as my self

> > promotion. As a matter of fact, after glancing/reading Report of Calendar

> > Reform Committee (1955) by Meghnath Saha, I felt the idea had already been

> > adjourned sine die at United Nations, later during late-70's. My later

> > contributions:

> > [http://brijvij.com/eBookCopyrights-n-Patent\\_ParliamentaryReferences.doc](http://brijvij.com/eBookCopyrights-n-Patent_ParliamentaryReferences.doc)

> > made me convinced to risk my Air Force 'commission' and the desire to work

> > and STOP NOT, knowing the cause I had hit upon was 'virgin and NO WORK'

> > seriously had met with positive results.

> >

> >

> >

> > By then, I had published TWO books: (1) Towards A Unified Technology

> > (1982); and (2) The SI Metric Units (1984) - again with my little

> > resources. Of course I could make NO money, being a man in uniform till

> > 1983 October 10. I does need a man with conviction, sir that "one would

> > exhaust almost 40-50% of pay packet, denying his children their rights

> > except guiding them to be educated and struggle - their birth right.

> >

> >

> >

> >>.....that advertising your calendar version with words that are

> >> similar to The World Calendar simultaneously minimizes the role of

> >> source

> >> documents

> >

> > You shall appreciate, sirs, it has not been 'advertisement of my calendar

> > version' but a dedicated task undertaken, since 1970-71. And the use of

> > words, The World Calendar were my first ever published in print that made

> > me spend.....sleepless nights, apart from my Air Force duties. Between 1971

> > till leaving service (1983 October) - I remained a Flight Lieutenant, the

> > only decision that changed my line of thought was: NOT PASSING PROMOTION

> > EXAMINATION 'C' for further promotions, while often posted to fill

> > 'Squadron Leader vacancy'. I don't need to spell...more. The other

> > positive decision had been to allow my children to chose their path of

> > progress, and NOT waste their lives!

> >

> >

> >

> >>.....mid-20th century obstacle at the United Nations.....

> >

> > It was unfortunate, the Calendar Question met with that fate; and I

> > stumbled upon this document, perhaps for good reason that now I know while

> > being in discussion lists with USMA and Calndr-L since miid 2002 - almost

> > 8 years.

> >

> >

> >

> >>....A replacement

> >> for the Gregorian calendar should not ignore the extreme advantages of

> >> sustainability that a memorable calendar includes.

> >

> > I fully agree with you, sir. Is this not unfortunate, sir that my

> > 'exclusive effort' does not list among other calendars - even for

> > comparision: [http://www.hermetic.ch/cal\\_stud/cal\\_lynx.htm#chinese](http://www.hermetic.ch/cal_stud/cal_lynx.htm#chinese) even

> > after some 8-years of 'information exchange among scholars'. Several sites

> > do contain information about my thoughts that I promoted some 30-years ago  
> > - someof my land marks are:  
> >  
> > <http://www.brijvij.com/synopsis-n-364d-options.doc> and  
> > [http://www.brijvij.com/bb\\_metro-contrbn.2007.pdf](http://www.brijvij.com/bb_metro-contrbn.2007.pdf)  
> >  
> > that provide 'solutions that may really mean' starting from where the  
> > Calendar Question had been adjourned sine die. I did get a document sent  
> > to United Nations through United Nations office at 55, Lodi Estate, New  
> > Delhi some time in 1985. Also as I wrote to 'several personalities' who I  
> > thought may promote the cause, for A Possible World Calendar.  
> >  
> >  
> >  
> >>.....A replacement  
> >> for the Gregorian calendar should not ignore the extreme advantages of  
> >> sustainability that a memorable calendar includes  
> >  
> > Please see: [http://www.brijvij.com/bbv\\_cal-reform\\_brij.view.pdf](http://www.brijvij.com/bbv_cal-reform_brij.view.pdf)  
> >  
> > and [http://www.brijvij.com/bbv\\_eCompendium.ppp.pdf](http://www.brijvij.com/bbv_eCompendium.ppp.pdf) a compendium of e-book  
> > that I prepared, as Power point. It is easy to recall number of days in  
> > each month by closing ONE fist and 'counting - highs (31 days) and lows  
> > (30 days) except February (29 days) and July (now, 30 days) where we start  
> > counting back at June (30 days), same low backwards.  
> >  
> >  
> >  
> > My efforts are thus, progressively directed for an Alternate projection to  
> > Gregorian Calendar that can become The World Calendar. The circular silver  
> > coin, I sent to President Obama was with this aim, also made to  
> > specification with diameter about 1.6 cm to result in circumference 10 cm  
> > (i.e. Pi times diameter) - an immature effort,sir. There is NO  
> > COMMERCIALITY!  
> >  
> > My regards to all, working for progressive perception of A possible World  
> > Calendar. My appology for any typographic errors and may be read with this  
> > aim that I have, sirs.  
> >  
> > Brij Bhushan Vij  
> >  
> > (MJD 55259)/1726+D-074W10-04 (G. Thursday, 2010 March 04H23:34 (decimal)  
> > EST  
> > Aa Nau Bhadra Kritvo Yantu Vishwatah -Rg Veda  
> > Jan:31; Feb:29; Mar:31; Apr:30; May:31; Jun:30  
> > Jul:30; Aug:31; Sep:30; Oct:31; Nov:30; Dec:30  
> > (365th day of Year is World Day)  
> > \*\*\*\*\*As per Kali V-GRhymeCalendaar\*\*\*\*\*  
> > "Koi bhi cheshtha vayarth nahin hoti, purshaarth karne mein hai"

> > Author had NO interaction with The World Calendar Association  
> > except via Media & Organisations to who I contributed for A  
> > Possible World Calendar, since 1971.  
> > My Profile:[http://www.brijvij.com/bbv\\_2col-vipBrief.pdf](http://www.brijvij.com/bbv_2col-vipBrief.pdf)  
> > HOME PAGE: <http://www.brijvij.com/>  
> > Contact # 001 (201) 675-8548  
> >  
> >  
> > > Date: Thu, 4 Mar 2010 01:20:27 -0600  
> >> Subject: Re: Glorious India  
> >> **From: twca@theworldcalendar.org**  
> >> To: [metricvij@hotmail.com](mailto:metricvij@hotmail.com)  
> >> CC: [speakerloksabha@sansad.nic.in](mailto:speakerloksabha@sansad.nic.in); [manmohan@sansad.nic.in](mailto:manmohan@sansad.nic.in);  
> >> [ak.antony@sansad.nic.in](mailto:ak.antony@sansad.nic.in); [svpatil@sansad.nic.in](mailto:svpatil@sansad.nic.in); [ksibal@sansad.nic.in](mailto:ksibal@sansad.nic.in);  
> >> [kapilsibal@hotmail.com](mailto:kapilsibal@hotmail.com); [pachouri@sansad.nic.in](mailto:pachouri@sansad.nic.in); [spjaiswal@sansad.nic.in](mailto:spjaiswal@sansad.nic.in)  
> >>  
> >> Brij Bhushan Vij, sir:  
> >>  
> >> The World Calendar Association has concerns that although the calendar  
> >> you  
> >> favor is not The World Calendar, your promotions use terms such a 'A  
> >> World  
> >> Calendar', 'The Alternate World Calendar', 'ALTERNATE proposed World  
> >> Calendar', 'A possible World Calendar', etc and 'The World Calendar' on  
> >> a  
> >> silver coin.  
> >>  
> >> I've found only one link to [www.TheWorldCalendar.org](http://www.TheWorldCalendar.org) in your documents.  
> >> So  
> >> it seems that advertising your calendar version with words that are  
> >> similar to The World Calendar simultaneously minimizes the role of  
> >> source  
> >> documents in presenting a broader picture. Your tendency to repeatedly  
> >> refer to the mid-20th century obstacle at the United Nations as prelude  
> >> to  
> >> and reason for your version tends to overstate the decision, assuming it  
> >> to be entirely too final. 'As it turns out, perception of The World  
> >> Calendar in use was a problem that The World Calendar is not.'  
> >> (<http://www.theworldcalendar.org/CalendarMathProblemSolution100206.pdf> )  
> >>  
> >> Much has changed since the 1950s. Limited reasoning that prevailed  
> >> during  
> >> that period will not optimally improve our future, no matter how many  
> >> times it is used to validate the endless search for a different approach  
> >> that is better than The World Calendar. Awareness of consciousness has  
> >> increased along with growing knowledge of the universe. A replacement  
> >> for the Gregorian calendar should not ignore the extreme advantages of  
> >> sustainability that a memorable calendar includes.  
> >>

> >> Among your equations detailing accuracy, there appears to be nothing  
> >> about  
> >> your version being simple enough to memorize and use  
> >> (<http://www.theworldcalendar.org/2.htm>), eyes open or eyes closed,  
> >> without  
> >> a physical crutch, printed or electronic or otherwise. The World  
> >> Calendar  
> >> Association challenges the world to also judge calendar alternatives in  
> >> terms of simplicity of application, like a clock. We do not forget that  
> >> the calendar is an accumulation of thoughts about time. As long as our  
> >> primary calendar hinders its own use — as when we seek or do not have  
> >> access to the required physical copy needed to plan past next week—  
> >> we'll  
> >> continue to ignore our choice to remain stuck.  
> >>  
> >> In your documents (PDF, html, e-mail), please specify that your calendar  
> >> version is neither endorsed by nor in any way connected with The World  
> >> Calendar or The World Calendar Association. In fairness, each disclaimer  
> >> should include a direct link to [www.TheWorldCalendar.org](http://www.TheWorldCalendar.org).  
> >>  
> >> When correctly capitalizing 'The World Calendar' and 'The World Calendar  
> >> Association' (TWCA), thank you.  
> >>  
> >>  
> >> Wayne Edward Richardson ('Wayne')  
> >> Director, The World Calendar Association – International  
> >>  
> >> 'SHOULDN'T OUR CALENDAR BE AS SIMPLE AS OUR CLOCK?'  
> >> <http://www.theworldcalendar.org/TWCandDescription.pdf>  
> >>  
> >>  
> >>  
> >>  
> >> On Thu, December 17, 2009 12:12 pm, Brij Bhushan Vij wrote:  
> >> >  
> >> > Excellency/sirs:  
> >> >  
> >> > As the year turns, I offer an alternate to The World Calendar, a topic  
> >> > that I have been developing since 1970-71, while still in Air Force.  
> >> Gist  
> >> > of my documents is placed at:  
> >> >  
> >> > [http://www.brijvij.com/bb\\_364-dGreg-cal-Reform.pdf](http://www.brijvij.com/bb_364-dGreg-cal-Reform.pdf) that I believe  
> >> cover  
> >> > most anomalies that led to failure of the efforts made at United  
> >> Nations  
> >> > (1955).  
> >> >  
> >> > NEVER did man develop the simplest 'modification to Gregorian calendar

> >> by  
> >> > mere shifting the day of July 31st th 2nd month as February 29th; and  
> >> > devise Leap Weeks plan on divide six(6) like having a Leap Day on  
> >> divide  
> >> > four(4). Also, please see:  
> >> > [http://www.brijvij.com/bb\\_metro-contrbn.2007.pdf](http://www.brijvij.com/bb_metro-contrbn.2007.pdf)  
> >> >  
> >> > apart from my documents that I have been discussing with USMA &  
> >> Calndr-L  
> >> > groups.  
> >> >  
> >> > My profound regards,  
> >> > Brij Bhushan Vij  
> >> > (MJD 2454933)/1361+D-358W51-04 (G. Thursday, 2009 December 17H13:19  
> >> > (decimal) EST  
> >> >  
> >> > Aa Nau Bhadra Kritvo Yantu Vishwatah -Rg Veda  
> >> > Jan:31; Feb:29; Mar:31; Apr:30; May:31; Jun:30  
> >> > Jul:30; Aug:31; Sep:30; Oct:31; Nov:30; Dec:30  
> >> > (365th day of Year is World Day)  
> >> > My Profile:[http://www.brijvij.com/bbv\\_2col-vipBrief.pdf](http://www.brijvij.com/bbv_2col-vipBrief.pdf)  
> >> > HOME PAGE: <http://www.brijvij.com/>  
> >> > \*\*\*\*\*As per Kali V-GRhymeCalendaar\*\*\*\*\*  
> >> > "Koi bhi cheshtha vayarth nahin hoti, purshaarth karne mein hai"  
> >> > Contact # 001 (201) 675-8548  
> >> >  
> >>  
> >>  
> >  
> >  
> > \_\_\_\_\_  
> > Hotmail: Trusted email with Microsoft's powerful SPAM protection.  
> > <http://clk.atdmt.com/GBL/go/201469226/direct/01/>  
>  
>

---

Hotmail: Free, trusted and rich email service. [Get it now.](#)

Above results are based on my personal communication with expert groups of US Metric Association: [usma@colostate.edu](mailto:usma@colostate.edu) and Calndr-L: [CALNDR-L@ECUMAIL7.ECU.EDU](mailto:CALNDR-L@ECUMAIL7.ECU.EDU) since May 2002. Investigation done on my copyrighted works aim to \*bridge gaps left, deliberately or otherwise, in SI-Metric Units – the Le Sysyteme Internationale d’Unites – and Calendar Reforms: a question that had remained hung/unresolved since The League of Nations (1922) and the need of United Nations (*1956 – adjourned sine die*) – that I ventured since early 1970’s with The Metric Second and Metric Calendar Year as base, leading me to:

- the possibility for a World Calendar that can be used for ALL Ages;
- the possibility of establishing a way to measure Time by Metric;
- the possibility for a 10/20-hour metric day with each hour of 100 x 100 sub-divisions;
- the possibility if the Year could have 10-months with 7-day weeks or 10-day during a ‘decaday’ in TWO halves (or quinto-days – each of a million metric seconds);

- the possibility if a rationalized value for Pi – the ratio between circumference to diameter of the circle 'could' be arrived after examination of most values for Pi used by man. Such a value for Pi =100000/31831 (exact) in the form a/b FIXES angle 'Radian = 57° 17' 44".88 or 57°.2958';
- the possibility if the length unit – METRE, was ever related or linked to ancient civilizations like Indus Civilization of Mohenjo-Daro (now in Pakistan) and the contemporary cultures;
- the possibility if 'decimalised hours using the duration of Sidereal Day' could be made use of to make Format of The Tropical Civil Year';
- the possibility if FUTURE CALENDAR MET THE CRITERIA to overcome discrepancies of the Gregorian calendar and provide possible solution to account for 365<sup>th</sup> and 366<sup>th</sup> day over the 52-weeks (of 7-days in each week) without causing a break in the continuation of 'sabbath cycle'; apart from these social requirements, the future calendar must stand the litmus test for scientific accounting of planetary motions and maintain count of time passage in 'seconds, hours and/or days' to keep track of angular motion of spin of the earth in its axis. For this, some considerations include:
  - (a) need for continuous numbering of days/weeks;
  - (b) use of day count during the year for input/output parameters in Automatic Data Processing Machines/Systems;
  - (c) normalisation in science the expression of the instant of an event by numbering of SI or decimalized seconds elapsed since origin of an Era or TAI (International Astronomical Time) – inclusive of *Years, weeks/months and day-count along with part of the hour-minute-second*
- **LEAP DAYS:** THAT such a possibility I see in the format of Modified Gregorian Rhyme Calendar by shifting a day from the month of July to the month in February (i.e. making July to be of 30 days and February to be of 29 days) during ALL YEARS. The 365<sup>th</sup> day is a WORLD DAY placed outside of the Year format; and 366<sup>th</sup> day as Leap SUNDAY 'ONCE every four (4) years using 128-year cycle modifying the (7\*128) or 896-year to replace the current 'divide 4/skip 128<sup>th</sup> for Leap SUNDAY of Year XXXX as the 'new/revised' Leap Day correction.
- **LEAP WEEKS:** ALTERNATELY, the 896-year/11082 lunation having [**159 Leap Weeks (1990-92)**] or 834-year/148 Leap Weeks (2002) form the best combination to give PROMISING values for Mean Year and Mean Lunation; when worked with duration of Year=365.24218966981 day and Synodic month =59.5305881 day. **\*NEVER did man plan to work with the 'FORMAT' of 364-day calendar, using \*Divide six (6) Rule for inserting the Leap Weeks, along with some EXTRA 'Keplers Leap Week of Year XXXX'\*;** like 'divide 4/skip 100<sup>th</sup> /count 400<sup>th</sup> – years for inserting a Leap Day, which also can be modified for 'improved Mean Year' on using 'divide 4/skip 128<sup>th</sup> for Leap SUNDAY of Year XXXX.
- SEVERAL FORMATS that I worked are reproduced hereunder. **These** 364-day 'count of days' during the year shall be useful, while calculating number of days elapsed between **any ERA and/or any two given dates**. Several schemes can be worked for 364-day YEAR, with or without the use of Leap Weeks placed 'outside of the year after month December' to be called **Kepler's Leap Week of the Year XXXX** among these that I have considered. Please see, Days/Weeks/tithi for important [http://www.brijvij.com/bb\\_harappaTithi-Cycles.pdf](http://www.brijvij.com/bb_harappaTithi-Cycles.pdf), cycles.

**(A) This author was unaware of any attempts on Calendar Reform**, when I saw my name in print *first time* on a small contribution: A World Calendar for All Ages in the Sunday Tribune, Chandigarh (India) dated 1971 June 06. Later studies reveal:

*International Fixed Calendar:* The year could have 13-months, using the 7-day 'Sabbath cycle or week' with FOUR weeks in each month (i.e.13x28=364 days An Italian Padre Abbe Mastrofini, in 1834, proposed a 13-month calendar, which was strongly advocated by 'positivist philosopher, Augustus Comte but consequently abandoned.

**The World Calendar Plan:** But, the plan of calendar reform received most favorable comments, under President ship of Elizabeth Achelis, from World Calendar Association Inc. with its headquarters at 630, 5<sup>th</sup> Avenue, New York (USA).).

In my E-mail to KEV (Karl) Palmen, I wrote:

During my formative years on 'study of the calendar question', I procured a copy of Report of the Calendar Reforms Committee headed by Prof. Megh Nath Saha (1955). I had not come across The International Fixed Calendar of (13x28) days plus 365<sup>th</sup> & 366<sup>th</sup> days outside of the calendar. At page 172-73 of the report, the World Calendar Plan is mentioned without any reference to International Fixed Calendar of Moses Bruines Cotsworth sponsored by World Calendar Association, New York and discussed at 18th session of Economic & Social Council of the United Nations, Geneva during June-July 1954.

May be I mixed up between \*International Fixed Calendar & The World Calendar Plan\* to be ONE and same, in the absence of a reference. My apology, however. But this was in 1970's. The point is, I have attempted to improve upon SEVERAL formats and continued my search for the BEST options till I came 'under your spirit to open up my works'.

### **(B) Metric Norms for Time Standard (1971):**

10-month year to have TWO halves; each with 182 days using months named after the Planets as they recede away from SUN, as:

*First Half Year:* Mercury (36 days), Venus (37 days), Earth (36 days), Mars (37 days) and Jupiter (36 days); and

*Second Half Year:* Saturn (36 days), Uranus (37 days), Neptune (36 days), Pluto (37 days) and Uranium – natural element - (36 days)

The year starts on Winter solstice 21/22 December and follow 7-day 'Sabbath Cycle or week'. The Face of clock could have (2x10) metric hours or (2x12) decimal hours, using 100 minutes x 100 seconds to the hour.

**(C) Five Seasons/Decaday Metric Calendar Year (1971-73):** The year could be divided into 5-seasons of 73, 73, 72, 73 & 73 days and use the Decaday & Quintoday scheme i.e. introducing THREE additional days between Thursday and Friday – named Sigma ( $\Sigma$ -day), Alfa ( $\alpha$ -day), and Beta ( $\beta$ -day). The TWO 'quintodays' shall be:

**First 'quinto-day' period:** Sunday, Monday, Tuesday, Wednesday & Thursday; and

**Second 'quinto-day' period:** Sigma ( $\Sigma$ -day), Alfa ( $\alpha$ -day), and Beta ( $\beta$ -day), Friday and Saturday.

Each day could have the distribution into 10,12,20 or 24 hours, with or without metric/decimal sub-divisions of Time of the Day. This could mean a 'million ( $10^6$ )– metric second span; using  $20^h \times 100^m \times 100^s$  clock' or '1.2 million – decimal seconds span; using a decimal clock to show  $24^h \times 100^m \times 100^s$  decimal seconds' during each quinto-day or 5-day time interval.

**(D) Tropico-Sidereal Calendar:** Using duration of the Sidereal Day, the year could have TWO

equal halves of 182 days followed with a World Saturday after the first half-year (Refer: The

Tropico-Sidereal Calendar; Standards India; V6 N4; pp.110-114; 1992 July; Bureau of Indian Standards, New Delhi). The remaining 1.242189669781d could follow the 834-year span (as like for other solar calendars) using Additional Leap Weeks, following divide by six (6) Rule and placed at: [http://the-light.com/cal/bbv\\_div6.doc](http://the-light.com/cal/bbv_div6.doc)

**(E) VIJ Gregorian Rhyme Calendar:** This 52-week or 364 day calendar has four (4) equal quarters, two (2) equal half years, and uses the month-names as of the current Gregorian calendar. The distribution is: January (31d), February (29d), March (31d); April (30d), May (31d), June (30d); July (30d), August (31d), September (30d); and October (31d), November (30d) & December (30d). The calendar can be seen at:

[http://the-light.com/cal/bbv\\_greg-rhymecal](http://the-light.com/cal/bbv_greg-rhymecal)

To remember 'NEW' scheme for number of days in each month, it is (not exactly a RHYME):

**The New Calendar Rhyme:**

Thirty days July, September;

April, June, November, December;

All the rest have thirty-one; accepting February alone:

Which hath but twenty-nine, to be (in) fine;

Till leap year gives the whole week READY:

Is it not time to MODIFY or change to make it perennial,

Oh Daddy!

**And, in Hindi:**

Tees Din July, September:

April, June, November, December;

Baqie Sab ke Ek-Aur Tees:

Sirf February ke Ek-kum Tees;

Chhah (6) Saal bad, Jab Leap ka Saal Aveye:

Usmein POORA EK SAPTAH **aur** Badhaveye.

**And make the calendar work with Leap Week Rule!**

---

### **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 - 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).**

---

- This approach satisfy the 'impacts feared towards COST that may need be incurred' if and when the change to calendar be brought about, for an 'Easiest, Surest and Cheapest' transition:

- (a) No change to 7-day Sabbath cycle;
- (b) No change to 12/24-hour clock face;
- (c) No/or minimal change to Gregorian calendar format;
- (d) No major change to mathematical/trigonometric functions; and
- (e) to find the most easily adaptable scheme with least possible changes – a \*surest, easiest and cheapest\* transitional proposal.

This is where I suggest \*change Centurion Rule from 100/400 Year Rule to 128/896-year Rule or ADD a Leap weeks scheme like (896-yr/159 LWks or 834-yr/148 LWks) using the bigger cycle of (417\*896 =373632-years)\*.

PROMISING results are seen using Tithi or phase value =  $7*138W/965$  day along with 19-year cycle or (5\*47 lunation). It may be interesting, that *one Tithi/Phase* need be removed after 4464 years for alignment when using 'ratio 966/965'. \*Harappa Tithi value of  $1/29\frac{1}{2}$  of 'ONE lunation' i.e.

$1.00103690881356$  day\*. This fixes Lunar Year at 354 Tithi and current solar year =  $364.8638591185$  11748361 Tithi [ $Y_{2000} = 365.242189669781$  days].

Three values, in close range, 'for use as Tithi/Phase' are important, and conducive to use in achieving the final aim,  $2L/59^{th}$  day: (a) 1 TITHI = **2L/59th** =  $1.001036884745763$  day; (b) 1 TITHI = **966/965** =  $1.001036269430052$  day; and (c) 1 TITHI = **19/6932.5 year** =  $1.0010243928923$  day – are all in close approximation of 'HarappaTithi'.

### In Brief:

1 T-Unit (Tithi/138) = X-Unit =  $1741 s_d$ ;

1 Decimal minute =  $0.06 X$ ; 1 Hour =  $5.744 X$ ; 6 Hours =  $34.4643 X$ ; 12 Hours =  $68.9285 X$ ;

24 Hours =  $137.8571 X$ ; One Week (7-days) =  $964.9994 X$ ; 52 Weeks (364-days) =  $50179.9692 X$ ;

53Weeks (371-days) =  $51144.9686 X$ ; ONE Year =  $365.242189669781$  days =  $635862.44126 X$

417-years =  $21018227 X$  and 834-years =  $42036454 X$

896-years/11082 lunation [326918 Tithi] form 'possibly the shortest' lunisolar cycle, formed in TWO halves as:  $[13*33+19]+[19+13*33]$  –years getting Mean Year =  $7*(52+159/896)$  days =  $365.2421875$  days; and On adding ONE lunar tithi, during 448<sup>th</sup> year – for alignment of 896 years & 11082 lunation,

Mean Lunation =  $29.530590146183$  days (29d 12h 44m 2s.9886). This is also, 47 cycles of 19-years +3-years that can be symmetrically placed as:

$[(16*19+1)+(1+15*19)+ (16(19+1))]$ -years. Each 19-year cycle may have  $5*47=235$  lunation with a difference of about 2 hours.

It may not be difficult for \*Astronomy experts\* to see through the utility of 'T-units' that link Moon's motion with the motion of Earth and Sun for 'Ephemeris Astronomy and Calendar construction'."

**BRIJ BHUSHAN VIJ, Author**

**E-mail:** [metricvij@hotmail.com](mailto:metricvij@hotmail.com)

TIME: to think Metric and Modified Gregorian Calendar (for World adoption) is ripe.