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*128 =Y1920 i.e. [Y2000 – 80 ±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 of Calendar Reform:
http://www.brijvij.com/bb_896-yrs-159lwk.pdf & http://www.brijvij.com/bb_896rev-distr.claim.pdf. **AUTHOR**

Modified Gregorian (2013 – Starting Monday) Calendar

(Refers to: http://calendars.wikia.com/wiki/Modified_Gregorian_Calendar) **(Modified 2010 0404 Easter Sunday)**

January 2010 – W00 thro W04						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
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				

February 2010 – W04 thro W08						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
			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			

March 2010 – W08 thro W12						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
				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 2010 – W13 thro W17						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
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					

May 2010 – W17 thro W21						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
		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		

June 2010 – W21 thro W25						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
					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

July 2010 – W26 thro W30						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
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					

August 2010 – W30 thro W34						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
		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		

September 2010 – W34 thro W38						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
					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 2010 – W39 thro W43						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
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				

November 2010 – W43 thro W47						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
			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		

December 2010 – W47 thro W51						
Mon	Tue	Wed	Thur	Fri	Sat	Sun
					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

REMARKS
Two days 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 128th '.
THIS gives M Yr =(365+31/128) d =365.2421875 days.
Leap Sunday (div.4/Skip 128th-yrs)
FEATURES:
*Year – 4 Quarters/91days/13 Wk
*Year has 13th NEVER A FRIDAY
*ALL YEARS HAVE FEB. 29th on (removing July 31st)
*PERPETUAL, months/Days DO NOT CHANGE
World Peace Day (December 31)

REFER: http://calendars.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 **[having159 Leap Weeks]** Lunisolar cycle (1992) as: 7*(52+159/896) days which is also as: 7*(52+1/6+29/896) days. On adding, 1-day in 896-years, the PERFECT lunisolar combination – automatically account for the EXTRA 'lunar month' during 25776-years of ONE Precession of Equinoxes cycle.

The Astronomical Poem (revised number of days in any month)

" 30 days has September; April, June, July and November
all the rest have 31 except February which has 29
except on years divisible evenly by 4; except when YEAR
divisible by 128 - as long as you remember that
October (meaning 8) is the month 10th and
December (meaning 10) is the 12th BUT has 30 days & ONE
OUTSIDE of calendar-format" – Anonymous (modified Brij Vij)

RULES: Modified Gregorian Calendar

Reference: http://calendars.wikia.com/wiki/Modified_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 Sunday); 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.
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;

(d) The 'new format' shall be easy to understand and follow, like the current popular 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 and used as 'lunisolar calendar'.

KEEPING THESE RULES IN MIND, FOLLOWING FORMAT OF A POSSIBLE WORLD CALENDAR IS SUGGESTED:

1. Format of this calendar NEVER has a 13th on Friday in any month; and starts on Sunday (00), Monday (01) thro Saturday (06) as week days, in continuation of Gregorian calendar – Monday, 2007 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 31st to 'second month' i.e. February 29th during ALL years, leaving remaining *1.242189669781* days – to be accommodated as Leap Days or Leap Weeks.
3. 365th day of year (December 31st) is placed after December 30th but before January 01st of next year, as *World Peace Day;* A Leap Sunday is placed after June 30th but before July 01st once every four years, except the 128th – on modifying current Leap Day Rule *from div.4/skip100th /count 400th years TO div.4/ skip 128th* 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: 24x60x60 (86400 second, s) =24x100x100 (240000 decimal second, (s_d) – the 'new time unit' – decimal second, s_d=36% of second, s and Arc-angles in a quadrant are likewise 'equated' as 90*x60'x60" =90*x100'-arcx100"-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) ± 128] ÷128} i.e. Year Zero '0000'. 15*128=Y1920, which make the "first natural Added Keplers' Leap Week of (Y2000+0093)=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 in addition *Added Keplers' Leap Weeks* are inserted at intervals of 90 or 84 as per cycle plan, the first insertion being 3-years earlier i.e. 87th when using (3*896)=2688-year plan. [Refer: http://www.brijvij.com/bbv_klwks_div.6.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 (of 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 used/needed, when symmetrically placed. Please see: http://www.brijvij.com/bb_896-yrs-159lwk.pdf.
8. The alternate cycle of 834-years/148 (139 div.six+9 AKLWks) results in, closer to tropical mean year value =7*(52+1/6+9/834) days =365.242206235012 days (365d 5h 48m 46s.6187).
9. **TITHI & LUNATION:** Using a 'new Tithi/Phase' value of ONE lunation/29 ½ 'tithi' make the lunar year =354.0 Tithi. This tithi/phase value is 1.00103690881356 day (24h 1m 29s.5889). *This 'tithi value' reconcile, and I believe, was 'the possible' value used during Indus/Harappa civilisation*. Other values closer to THIS are: 966/965 =1.001036269430052 day (24h 1m 29s.5337) =138week/965; 235 lunation/19-yrs =1.0000125031132 day (24h 0m 1s.08027). Other values in common use –

(a) 1/30th Lunation =23h 37m 28s.0958, and (b) 1/29th Lunation =24h 26m 20s.78873.

10. 19-years are closer to 235 lunation, distributed in (5*47) lunation (1388 day- blocks), ignoring differential 'in excess of 2 h 4m 56s.636' – to continued count of days/tithi, in estimating accurate new ***lunisolar cycle***. Apart from several cycles, which I listed: http://www.brijvij.com/bb_harappaTithi-Cycles.pdf TWO cycles, apart from my (7*128) =896-years & 834-years, need special attention:

(a) 1730-yrs (1783 lunar years)/21397 lunation/631214½ tithi. Since 21397 lunation is short of THREE tithi (One tithi can be added symmetrically at intervals of 7132nd, 14265th & 21397th lunation). These added days/tithi 'automatically compensate' one lunation over 9 cycles of 1730-years (i.e. in 15570-years/192574 lunation). This is 812403 weeks.
Mean Year =5686821/15570 =365d 5h 48m 45s.78035 and Mean lunation =5686821/192574 =29d 12h 44m 1s.702.

(b) 399-yrs/4935 lunation (411.24435 lunar years)/145580½ tithi. 4935 lunation is in excess of TWO tithi (One tithi need be symmetrically removed at intervals of 2475 lunation).This 'compensate' one lunation over 15 cycles of 399-yrs (i.e. in 5985-yrs/74024 lunation). This is 312282 weeks & (2183710 tithi). Mean Year =2185974/5985=365d 5h 48m 37s.8947 and Mean lunation =2185974/74024=29d 12h 44m 4s.8503.

(C) 896-years/11082 lunation account for 327257.001944123776 days[46592W+(149 div.six(6)+10AKLWk)= 46751 weeks]. 11082 lunation = 327257.98519242 days i.e. in EXCESS of 0.983248296224 day. THIS can be compensated by ONE lunation in say, 896*30=26880 years – closer to ONE cycle of Precession of Equinoxes: http://www.brijvij.com/bb_Precession-n-896-yrs.pdf.

[Please note: 25776-years are 28 cycle of 896-years & 688 years (i.e.28*896+5*128+48-years), resulting in Mean Year =9414479/25776 =365.24204686530106 days (365d 5h 48m32s.8492); Mean Lunation =9414479/318804 =29.53061755812349 days [29d 12h 44m 5s.357].

ACHIEVING THESE VALUES, to me appear, fascinating and comparable to any modern 'calendar values' for Reform a futuristic Calendar.

Brij Bhushan Vij, Author.

Reference: Mail attachment 20060302 (Keplers' Leap Weeks)

Ord LWs	Kepler Lws	Years	Weeks	Mean Year	Mean Kepler Interval	Leap Weeks	K90	K96
139	9	834	43516	365.2422062	92.66666667	148	5	4
448	29	2688	140253	365.2421875	92.68965517	477	16	13
31	2	186	9705	365.2419355	93	33	1	1
77	5	462	24106	365.2424242	92.4	82	3	2

108	7	648	33811	365.242284	92.57142857	115	4	3
293	19	1758	91728	365.2423208	92.52631579	312	11	8
168	11	1008	52595	365.2430556	91.63636364	179	8	3
169	11	1014	52908	365.2426036	92.18181818	180	7	4
170	11	1020	53221	365.2421569	92.72727273	181	6	5

(Also, Reference: http://individual.utoronto.ca/kalendis/leap/Combined_Slow_Grouping.xls − Why NOT my div.6+KLWks)

REFERENCE: http://www.brijvij.com/drift-yearStart_div.6.doc

(Brij Calculation) − Year-Start DRIFT (FROM START OF YEAR – Zero)

YEARS	PERIOD (days)	Years x 52	UNACCOUNTED (d_1)	div.6 + KLWks	Drift (d_2) Epact	Mean Year
1	365.242189669781 d	52 W	1.242189669781 d	0	1.242189669781 d	
6	2191.45313801869 d	312 W	7.453138018686 d	1st	0.453138018686 d	365.1666666…67 d
8	2921.93751735825 d	416 W	9.937517358248 d	1	2.937517358248 d	365.25 d
10	3652.42189669781 d	520 W	12.42189669781 d	1	5.42189669781 d	365.2 d
11	4017.66408636759 d	572 W	13.66408636759 d	2 (1+1KLWk)	− 0.33591363241d	365.2727…273 d
12	4382.90627603737 d	624 W	14.90627603737 d	2nd	0.90627603737 d	365.25 d
19	6939.60160372584 d	988 W	23.60160372584 d	3rd	2.601603725839 d	365.26315789474 d
27	9861.53912108409 d	1404 W	33.53912108409 d	4th	5.539121084087 d	365.2222…2 d
33	12052.9922591028 d	1716 W	40.99225910277 d	5th	5.992259102773 d	365.24242…42 d
45	16435.8985351401 d	2340 W	55.89853514014 d	8th (7+1KLWk)	− 0.1014648599 d	365.24444…4 d
62	22645.0157595264 d	3224 W	77.01575952642 d	11th (10+1KLWk)	0.015759526422 d	365.241935483871 d
84	30680.3439322616 d	4368 W	104.3439322616 d	15th (14+1KLWk)	− 0.6560677384 d	365.25 d
90	32871.7970702803 d	4680 W	111.7970702803 d	16th (15+1KLWks)	− 0.2029297197 d	365.244444…4 d
93	33967.5893928963 d	4836 W	115.5893928963 d	16th (15+1KLWk)	3.5893928963 d	**365.2365591398 d**
96	35063.2502082990 d	4992 W	119.2502082990 d	16th (16+1KLWk)	0.250208298976 d	365.2395833333…3 d
128	46751.000277732 d	6656 W	159.00027773197d	23rd (21+2KLWks)	− 1.99972226803 d	365.2421875 d
186	67935.0472785793 d	9672 W	231.0472785793 d	33rd (31+2KLWks)	0.047278579266 d	365.241935483871 d
231	84370.9458137194 d	12012 W	286.9458137194 d	41st (38+3KLWks)	− 0.05418628059 d	365.25757575…758 d
293	107015.961573246 d	15236 W	363.9615732458 d	52nd (48+4KLWks)	− 0.0384267542 d	365.26222980659841 d
355	129660.9773327723d	18460 W	440.9773327723 d	63rd (59+4KLWks)	− 0.0226672277 d	365.2455399061 d
389	142079.211781545 d	20228 W	483.21178154481d	69th (64+5KLWks)	0.21178154481d	365.256640959725793 d
400	146096.8758679124d	20800 W	496.8758679124 d	71st (66+5KLWks)	− 0.1241320876 d	365.2524 d [13 KLWks/1200-yrs]
417	**152305.993092299 d**	**21684 W**	**517.9930922987 d**	**74th (69+5KLWks)**	− 0.0069077013 **d**	**365.250599520384 d**
462	168741.891627439 d	24024 W	573.8916274388 d	82nd (77+5KLWks)	− 0.1083725612 d	365.24242424242 d
524	191386.907386965 d	27248 W	650.9073869652 d	93rd (87+6KLWks)	− 0.092613034756 d	365.2468193384224 d
648	236676.938906018 d	33696 W	804.9389060181 d	115th (108+7KLWks)	− 0.0610939819 d	365.24228395062 d
755	275757.853200685 d	39260 W	937.8532006847 d	134th (125+9KLWks)	−0.146799315345d	365.25011037527594 d
817	298402.8689602111d	42484 W	1014.8689602111 d	145th (136+9KLWks)	− 0.131039788923	365.24377804978 d
834	*304611.986184597 d*	*43368 W*	*1035.986184597 d*	*148th (139+9KLWks)*	*− 0.013815403 d*	*365.242206235012 d*
896	*327257.001944124 d*	*46592 W*	*1113.001944124 d*	*159th (149+10KLWks)*	*0.00194412378 d*	*365.2421875 d*
1008	368164.127187139 d	52416 W	1252.127187139 d	179th (168+11KLWks)	− 0.872812861 d	365.24305555…56 d
1014	370355.580325158 d	52728 W	1259.580325158 d	180th (169+11KLWks)	− 0.419674842 d	365.242603550296 d
1020	372547.033463177 d	53040 W	1267.033463177 d	181st (170+11KLWks)	0.033463177 d	365.2421568627451 d
1758	642095.769439475 d	91416 W	2183.769439475 d	312th (293+19KLWks)	− 0.230560525 d	365.242320819113 d
2688	981771.005832371 d	140253 W	3339.005832371 d	477th(448+29KLWks)	0.005832371 d	365.2421875 d

7980 2914632.67356485 d 416376 W 9912.673564852 d 1416th (1330+86 KLWks) 0.673564852 d 365.37368421053 d ((Mean Year = 7*[(52+1/6)+KLWks/Years Cycle) values against Karl's results; and *seasons drift* with respect to START of the year may be compared by Astronomy experts, against my worked out DRIFT are shown. **Keplers' Leap Weeks:** In any cycle, KLWks are weeks, in addition to weeks, other than those divisible by six (6); and are placed +/− 3 weeks, and equally spaced symmetrically in the cycle − between TWO such divisible by six weeks. EXAMPLE: 128-year cycle shall have 21 LWks on divide 6 PLUS 2 KLWks placed at 45th & 87th years, over accounting an epact of 1.99972226803 d. [Mean Year =46751 d/128= 365.2421875 d].

THIS CYCLE FOR 'Div. six (6) LEAP WEEK SCHEME, *as per Karl, is not good since 896 is not divisible by six* – but 7*128*3 gives the required Mean Year. I, however, believe this give Mean Year =7*(52+159/896) =7*[52+1/6+(10−2/6)/896] =365d 5h 48m 45s.00.

(Modified and updated: 20060307H12:78(decimal). , *BRIJ BHUSHAN VIJ,* Author.

(Brij Calculation) − DRIFT: Mean Year Value

YEARS CYCLE	DAYS	52*Cycle+ WEEKS	Days over 364-d Year	DIV.6 + KLWks	Mean Year =DAYS/YEARS	DRIFT IN Mean Year Value from(365.2422d)	DRIFT− MY from 365.2421895 days	
19	6939.601603	988+3	23.601604d	3	365.2631578947d	0.0209578947 d	0.0209683947 d	
33	12052.99226	1716+5	40.992259d	5	365.2424….242d	0.0002242424 d	0.0002347424 d	
45	16435.898535	2340+8	55.898535d	7+1KLWk	365.24444..4 d	0.0022444444 d	0.002254944 d	
62	22645.01576	3224+11	77.015759d	10+1KlWk	365.241935484 d	- 0.000264516 d	- 0.000254016 d	
128	46751.000278	6656+23	159.00028d	21+2KLWk	365.2421875 d	- 0.0000125 d	- 0.000002	
169	61725.930054	8788+30	209.930054	28+2KLW	365.24260355 d	0.00040355 d	0.00041405 d	
293	107015.9616	15236+52	363.96157	48+4KLWk	365.242189761 d	- 0.000010239 d	0.000000261 d	Important
400	146096.87587	20800+71	496.87587	66+5KLWk	365.2425 d	0.0003 d	0.0003105 d	
417	152305.9931	21684+74	517.99309d	69+5KLW	365.242206235 d	0.000006235 d	0.000016735 d	
834	304611.9862	43368+148	147.99803d	139+9KLW	365.242206235d	0.000006235 d	0.000016735 d	Important
896	327257.00824	46592+159	1113.00194	149+10KLW	365.2421875 d	- 0.0000125 d	- 0.000002 d	
1008	368164.12719	52416+179	1252.1272	168+11KLW	365.2420634921d	- 0.0001365079d	- 0.0001260079 d	
2688	981771.02472	139776+477	3339.00583	448+29KLW	365.2421875 d	- 0.0000125 d	- 0.000002 d	Important
3420	1249128.3127	177840+607	4248.28867	570+37KLW	365.242105263 d	- 0.000094737 d	- 0.000084237 d	
7980	2914632.6736	414960+1416	9912.6736	1330+86KLW	365.242230576 d	0.000030576 d	0.000041076 d	28*15*19
93408	34116542.453	4857216+16576	116030.453	15568+1008KLW	365.242184824 d	0.000015176 d	0.000004676 d	
373632	136466169.81	19428864+6630	464121.811	62272+4031KLW	365.2421875 d	- 0.0000125 d	- 0.000002 d	
689472	251824263 d	35852544+122	856454.996	114912+7439KLW	365.242189676 d	0.000010324 d	-0.000000176 d	
YEARS CYCLE	DAYS	52*Cycle+ WEEKS	Days over 364-d Year	DIV.6 + KLWks	Mean Year =DAYS/YEARS	DRIFT IN Mean Year Value from(365.2422d)	DRIFT− MY from 365.2421895 days	

Average Mean Tropical Year =[_March equinoxes, 365.242374 d +June solstices, 365.241626 d +September equinoxes, 365.242018 d +December solstices, 365.242740 d] = 1460.968758 days ÷ 4 = 365.2421895 days. Also, 4-yrs =49.85240876 lunation.

YEAR =365.242189669781 days; Lunation (lunar month) =29.5305881 days

LUNATIONS per Year =12.368266708165591866421380209492; Weeks per Year = 52.177455667111571428571428571429

Mean Year Value= Number of complete days or Weeks/Years per cycle =7*[52+1/6) + KLWks / Years per cycle.

19-years =234.99706745515 lunation ; 293-years =3623.90214549252 lunation ; 834-years =10315.1344346101 lunation ; and 2688-years =33245.900911549111 lunation

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689472-years=1539x448. [251824262.996003245632 days =35974895 Weeks, and (8527573.58381234696 Lunation). 35974895 W = 35852544 +122351LWks (114912+7439 KLWks); Mean Year =251824263/689472 =365.24218967557783347257031467558 days.
Also, Mean Year =7*[(52+1/6)+7439/689472]= 365.24219257634827810266406757635 days.
(689472-years =(769.5x896), when linked to my 896-years cycle).
373632-years=834x448; 417x896. [This is (2919x128-yrs) or 138*2688-years =136466169.8106996 d in 19495167 Weeks =4621180.22670532642023475313043 29 Lunation].
373632x52+[66303 LWks (62272+4031KLWks)]=19495167 weeks, give Mean Year =7*[(52+1/6)+4031/373632]= 365.2421875 days.
Also, [(112 cycles*834) =93408-years)x4 = 373632-years].
93408-years =34116542.452674903648 days = 1155295.056676331605058688282 6082 Lunation.
Mean Year =34116542/93408 =365.24218482356971565604659129839 d.

Modified: Friday 2010 0409H1130(decimal) **BRIJ BHUSHAN VIJ, Author**