

THE AUTHOR: A child born to Late Shri Kundan Lal Vij & Wife Vidya Vati (maiden – Tandon) on Friday, 2,428,269.4479 CJD i.e. 1936 April 10th H 10:75 (decimal) at BHERA (Distt. Sargodha – Pakistan) reached Indian side of ‘Partitioned India’ on 1947 August 14th. Had nothing to look forwards to and got recruited in India’s Air Force as 218696, U/T trainee as an Electrician II, after passing Matriculation (as an autodidact). Enhanced academic carrier to pass Sections ‘A’ & ‘B’ of Institution of Engineers (India), Calcutta to become an Electrical Engineer (1964). Left Air Force ranks to be commissioned as 10313 (Pilot Officer) of AE(L) Technical Signals Branch on 1964 March 29th (antedate inclusive).

Served to become ‘Flight Lieutenant’ till sub-conscious self directed to involve for studies of Calendar Question for its Reform; and got into troubled waters – since coming into lime light, to touch the Metric cord (in Time & arc-angle via a ‘new’ value for Pi). Relinquished AF commission, while filling ‘Squadron Leader’ post till 1983 October 10th from Hqrs WAC (U), on GROUNDS OTHER THAN MISCONDUCT for ‘Not Passing Promotion Examination ‘C’ – a departmental need for further promotions, in the absence of VALID REDRESSAL OF GRIEVANCES – being singled & harassed.

Contributed TWO Books: (1) Towards A Unified Technology (1982) and (2) The SI Metric Units (1984) ; and several contributions in media and National & International platforms, as an individual researcher, listed at:

http://brijvij.com/eBookCopyrights-n-Patent_ParliamentaryReferences.doc

Remained in discussion with listserv of US Metric Association: USMA@colostate.edu and CALNDR-L@LISTSERV.ECU.EDU, since 2002 April. Suggested Gregorian Calendar to be used as A World Calendar – on shifting July 31st to the month February as February 29th.

– Brij B. Vij

METRICOLOGIST

A term coined in 1971 to mean an individual dealing with sciences of Metrification (the SI Metric System of Units) & Metrology (Weights & Measures).

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Qualifications

An autodidactic studied to pass Sections ‘A’ & ‘B’ of Associated Membership of Institution of Engineers (India), and qualify as an Electrical Engineer in 1964, while serving IAF in ‘other’ ranks. Graduated to be commissioned into Air Force service in 1966 and had a smooth career till became a Flight Lieutenant (1970). **Talked to** several colleagues about Reform of Calendar till ‘first’ write up appeared in press and after contributions through Times of India & Indian Standards (1971); knew the field to be virgin and knowing this followed the motto – **Stop Not till the goal was achieved.**

Other Expertise

Having been involved in examining the 'Calendar Question' since 1970-71; decided to explore this unexplored ocean of knowledge, to combine Metrology (Weights & Measures) and Metrication (SI Metric System of Units) – as the science of *Metricology*. Published two books (1) Towards A Unified Technology (1982); and (2) The SI Metric Units (1984) elucidating 'What happens when time units go metric'? Contributed over 200 write-ups in media exposing why the time & length units still hold out-of-step (independently) in the otherwise SI –Metric Units; and so far failed to link Time with the length unit.

Future Research & Leap Week Calendar

My claim for a possible solution for 'A World Calendar using 896-years/159 Leap Weeks or 834-years/148 LWks cycle' evolving a Leap Week Rule (on 'simple' divide by six (6) basis, have been topic of discussion/contribution; and to exhibit a luniSolar VGRCalendar by introducing ratio 966/965 for a Tithi/Phase and T-Unit as its moderator; to give Mean Year = $7 * [(52 + 1/6 + 9/834)] = 365.242206235012$ days = $7 * (52 + 148/834)$ and Mean Lunation = 304612 days/10315 Lunation or 29.5309743093 days. A 128-year span can be used to replace 100/400-year Leap Day Rule. VG294 using 293-yrs/3624 Lunation in 107016 days, make unique promise wherein NO LEAP DAY/WEEK inserting need be done ($294 * 52 * 7 = 107016$ days) to give Mean Year = 365.24232081911; and Mean Lunation = 29.5298013245 days.

Visit: http://www.the-light.com/cal/bbv_index.html (for other documents)

Supports the uniform Descending Order Dating in line with ISO 8601:2000 in the form YYYY WW DD rather than DD MM YYYY, in the futuristic age of computers, and division of 24-HOUR day and further 'decimalisation of the HOUR in relation to arc-angle ONE degree' maintaining the existing 15° Hour-Angle and 90° quadrant. The 'decimal second (s_d) of 36% of SI-second; can be tied to length unit of (m)' as: the surface distance of '1/10⁵ of ONE degree arc-angle at Earth centre'.

The several alternatives include: (1) VGRCalendar with 364 days to the year can have a World Saturday placed after the "Saturday of December 30 – EVERY YEAR; and a Leap Sunday after Saturday of June 30 BUT before Sunday of July 01 during YEARS divisible by 4 according to 128 Years Plan"; and (2) The calendar plan of 10-months (Refer: Metric Norms for Time Standard; Bureau of Indian Standards, New Delhi; Oct-Dec. 1971 issue) with name of months after Planets as they recede away from Sun. The Metric Calendar Year (1973) proposed by me had TWO quinto-day 'spans, each of a 'million metric second period' in TWO halves:

1st Half: Mercury (36 d), Venus (37 d), Earth (36 d), Mars (37 d) & Jupiter (36 d) AND LEAP SUNDAY every 4th -yr following 128-year cycle (placed before Saturn 01 (Sunday);

2nd Half: Saturn (36 d), Uranus (37 d), Neptune (36 d), Pluto (37 d) & Uranium (36 d) PLUS 'WORLD SATURDAY' during ALL Years, placed after Uranium 36 (Saturday).

128-years x 365.242189669781= 46751.000277731968 days = 1583.1381386452 Lunation.

These give a Mean Year of:

46751/128 = 365.2421875 days; and Mean Lunation =46751/1583 = 29.53316488 days.

BUT, Mean lunation is enhanced using 896-yr cycle as:

327257-days/11082 lunation to give Mean Lunation of 29.53049990976358 days.

The same results apply, if TWO days be dropped (from 7-day Sabbath/week) to make the year (5x73 =365 days), when ONLY 'LEAP SUNDAY' need be considered..

Industrial Relevance

Forecast a revolution in Horology, Time keeping and perennial Calendar Computations (with or without using) Leap Weeks; along with 19-year Metonic cycle, *ratio Tithi 138Week/965* and T-unit, especially when 19-year cycle is equated to 5*47=235 lunation in 6932.5 Tithi.

Keywords

TIME (against time) METRICATION:

WHY NOT?

Languages

(Reading, Writing, Speaking)

English: (Fluent, Fluent, Fluent)

Hindi: (Fluent, Fluent, Fluent)

Punjabi: (None, None, Fluent)

Memberships

A former Member of Institution of Engineers (India) is presently a Life Fellow of Metrology Society of India, NPL Complex, New Delhi

Honors and Awards

Hold entry in Limca Book of World Records (1994) on Decimalisation of Time of the Day in relation to Arc-Angle.

Hyperlinks & Uploads

http://www.the-light.com/cal/Brij_Profile.doc

http://www.the-light.com/cal/bbv_index.html

http://www.the-light.com/cal/bbv_IndiaContributes.doc

http://www.the-light.com/cal/bbv_EraPoints.doc

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http://www.the-light.com/cal/bbv_udncode.doc
http://www.the-light.com/cal/bbv_Dating_Events_-_..>
http://www.the-light.com/cal/bbv_tithiUnit.doc
http://www.the-light.com/cal/bbv_caloutline.doc
http://www.the-light.com/cal/VGRCal_Modified.doc
http://www.the-light.com/cal/bbv_bonavian.doc
http://www.the-light.com/cal/bbv_CalendarFmt2005-2006.doc
<http://homepage.ntlworld.com/genesis.revealed/galleries/Gallery3/g3/astro%20data.html>
 (and other images at Gallery3)
<http://www.homepage.ntlworld.com/genesis.revealed/precession.html> (& also visit Galaries)

MOTO: Rg Veda

**Aa Nau Bhadra Kritvo Yantuh Vishwatah - to mean:
Let Noble thoughts come to us from all directions.**

Important CALCULATIONS:

19-years =6939.601603725839 days =234.99706745515 Lunations = 6932 ½ Tithi (6932.41775113399 Tithi);

128-years=46751.000277731968 days =1583.1381386452 Lunations =46702.6037971132 Tithi;

293-years =107015.961573245833 days [364*294 VG Yrs =107016 days] =3623.90214549252 L.

896-years=327257.001944123776 days =11081.9669705164 Lunations=326918.2265797924Tithi.

834-years =304611.986184597354 days =10315.134434610104 Lunations

=304296.652865565623 Tithi

(Tithi = 2L/59th =1.00103690881356 day;19-years/6932.5 is in close proximity of 138Weeks/965)

Ratio 966/965 =1.001036269430052 day; AND

T-Unit =1-Week/965 =1740.93264248704663212435233160622 (say, 1741 decimal seconds (d_s).

Mean Year =46751/128 =365.2421875 days; also, 327257/896 =365.2421875 days.

Mean Lunation = 46751/1583 =29.533165 days per lunation; BETTERS to

(on using 896-year span) 327257/11082 =29.53049991 days per lunation.

Leap Weeks plan using (834-years/148 Leap weeks) gives:

Mean Year = 304612/834 =365.242206235012 days; and

Mean Lunation = 304612/10315 =29.53097431 days per lunation.

I have uploaded a file on START of the VGRCalendar after Solar Eclipse on 2005 April 09 i.e. 2005 April 10 (Sunday) at:

http://www.the-light.com/cal/bbv_VGRC_2005-2006_W..>

[Here, NOTE: **A** =Amavasya/Dark Moon; & **P** =Poornima/Full Moon]. 100 days would have elapsed, as such (day 1 is marked W00-00 (Sunday).

On any date of VGRC 2005-2006 day count, for any date, can be found as for:

April 10: (W00*7+D00 for Sunday) =101 (being 1st day after 100th day (31+29+31+9 =April 09);

2005 October 10 =(W26*7+D00 for Sunday = 182 +101 (April 10) =283 days away from 2005 January 01; and shown as: **283/W26-00 (in RED)** to mean it is 1st day of the week 26 of VGRCalendar).

Other dates can be correspondingly checked.

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