

QUESTIONS
From where do we get the
Day
Month
Year
Week?

THE DAY - EARTH'S ROTATION



Solar Day

If there was only Rotation of the Earth, then the day would be

 $= 24^{h} \ 00^{m} \ 00^{s}$

Think about it – This would be the time from one crossing of the Meridian to the next crossing by the Sun.

(am & pm)













THE MEAN SOLAR DAY

 $\begin{array}{l} \mbox{Mean Solar Day} \\ = 24^{h} \ 00^{m} \ 00^{s} \end{array}$

Think about it – Does a clock really tell accurate time?

Is the day really based on the Sun?





THE YEAR – EASTER



Dionysius Exiguus, a monk from Russia, was asked by Pope John I to calculate the Easter dates from the years AD 527 to 626.

Dionysius decided to start with what he considered to be the year of Jesus' birth. He began with the year in which Rome had been founded.

From the evidence available to him, he computed that Jesus was born 753 years after the founding. [750 + 3]





Julian Calendar 46 BC 1 year = 365.2500 days

YEAR – MON'TH NAMES					
Month	Latin	English			
September	Septem	Seven			
October	Octo	Eight			
November	Novem	Nine			
December	Decem	Ten			

THE YEAR – GREGORIAN FIX



Julian Calendar 46 BC 1 year = 365.2500 days



Gregorian Calendar AD 1582 1 year = 365.2422 days (= 11^m 14^s)



THE YEAR – CONVERSIONS

Catholic Countries 10 days	1582	HERE WAS BURNED THOMAS JEFFERSON AUTHOR OF THE DECLARATION DF
British Empire 11 days	1752	AMERICAN INDEPENDENCE OF THE STATUTE OF THE STATUTE OF THE RELIGIOUS FREEDOM AND FATHER OF THE
Russia 1918 days	13	UNIVERSITY OF VIRGINIA
Orthodox 13 days	1923	BORN APRIL 2. 1743. 0. S. DIED JULY 4. 1825.

The Atlanta Journal-Constitution / ajc.com

Sunday, Sept. 16, 2007 / C7

It's Y2K, thanks to lag in calendar

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On a schedle that's nearly seven years behind the rest of the world, Ethiopian immigrants celebrate turn of the millennium.

BY MARY LOU PICKEL mpickel@ajc.com

There was dancing all night in Addis Ababa, but in Atlanta the celebration will be a little more subdued. It's the second Millen nial New Year's Eve for many of Atlanta's Ethiopian immi-

and rules test biopian immi-grants. Still, stores along Buford Highway, Atlanta's immigrant varence, are selling Year 2000 bumper stickers, Rey chains and T-shirts for this week's thiopian millennium event. Ethiopia is nearly seven years behind the rest of the world, following its unique national calendar derived from the fullan calendar dari nsti-tuted by Roman Emperor Julius Caesar in 45 B.C. Most of Europe switched the the cregorian calendar in 1952 when Pose Gregory with told them to and that's the calendar we follow today.

we follow today. "We have our own calendar," said Lesanu Alemu, 29. "Ours is

Alemu spent \$45 to call his parents back home and hear about the huge celebration in the capital city of Addis Ababa and his sisters dancing the Those who were here seven years ago remember the Y2K celebration, the fireworks and the worry over computer prob-lems, but it all seemed foreign.

MARY COURDECL: / Stam Elsa Asrat, 46, originally of Ethiopia, makes injera, the national bread of Ethiopia. She'll sell the bread today at the Ethiopian Millennium Celebration in Clarkston. Ethiopia follows a national calen-dar derived from the Julian calendar instituted by Roman Emperor Julius Caesar in 45 B.C.

old son with presents in order to keep up with the other first-graders at McClendon Elemen-tary School. The Ethiopian Christmas in



EASTER - CATHOLIC



First Sunday

After the

First Full Moon (defined to be the 14th day)

After the

Spring Equinox (defined to be March 21)

EASTER - ORTHODOX



First Sunday

After the

First Full Moon (defined to be the 14th day)

After the

Spring Equinox (defined to be April 3 using the Julian Calendar, a difference of 13 days)





THE WEEK – DAY NAMES							
ENGLISH		SPANISH					
Deity	Object	Day	Object				
Sun	Sun	Domingo	Sol				
Moon	Moon	Lunes	Luna				
Tiu (Tyr)	Mars	Martes	Marte				
Woden	Mercury	Miercoles	Mercurio				
Thor	Jupiter	Jueves	Jupiter				
Frigga	Venus	Viernes	Venus				
Saturn	Saturn	Sabado	Saturno				
	E WEES ISH Deity Sun Sun Moon Tiu (Tyr) Woden Thor Frigga Saturn	EWEEK – DAISHObjectDeityObjectSunSunNoonMoonIu (Tyr)MarsWodenMercuryThorJupiterFriggaVenusSaturnSaturn	EWEEK – DAY NAMISHSPANDeityObjectDayDeityObjectDaySunSunDomingoMoonLunesMoonLunesTiu (Tyr)MarsMartesWodenMercuryMiercolesThorJupiterJuevesFriggaVenusViernesSaturnSabado				



