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Abstracts of Short Communications and Posters

Section:

19. History of Mathematics

1991 MS Classification: 01A40, 85-03, 85A04
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The decoding of the Callippian Cycle in the Gregorian Calendar for the period between 1900 and 2099

The Gregorian Calendar is an adjustable cyclical, lunisolar time-reckoning-system, based on the so-called Callipian Cycle: 76 tropical years = 940 synodical months = 27,759 days (Callippos from Kyzikos, about 330 B. C.). I present the Callipian Cycle as it is valid now. My aim is to establish a formula between the (well-known) solar dates and the (unknown) lunar dates of the Gregorian Calendar. (For a special case, namely the solar date for the 14th day of the lunar month Nisanu in the year X, see (1).) Unfortunately, I have to point out a serious danger for this ingenious system by an unhappy proposal of the World Council of Churches of March 1997.
(1) H. Lichtenberg, Hist. Math. 24(1997), 441. Bonn, April/29/1998 = Aiaru/3/1998.