

962-11-1191 **Seok Sagong*** (insok495@hotmail.com), Middlesex Community College, Mathematics
Department, 100 Training Hill Road, Middletown, CT 06457-4889. *A connection between the final
digits of Fibonacci numbers and Chinese zodiac.* Preliminary report.

Lagrange found that the final digits of Fibonacci numbers recur after a cycle of 60. The Chinese Lunar Calendar, dated back to 2637 B.C., employs two-character combinations to name each year and these two-character names, consisting of one character from 10 Celestial Stems for the first character and one from 12 Earthly Branches for the second, also recur after a cycle of 60. The 12 Branches are commonly known as Chinese Zodiac, symbols representing 12 animals. In this paper, a one-to-one correspondence will be established between the 60-cycle of the final digits of Fibonacci numbers and that of Chinese Lunar Calendar. (Received October 02, 2000)