

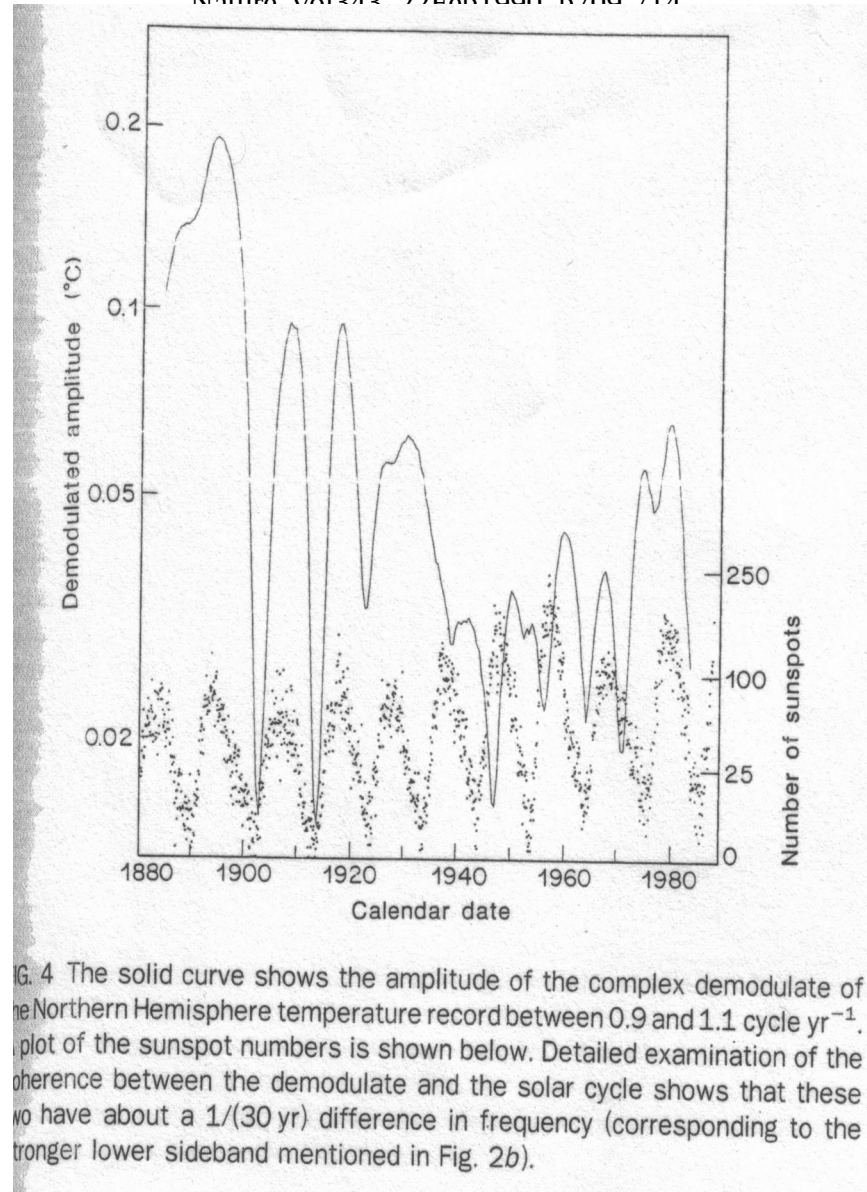
Howell - selected pandemics and epidemics

- This is a collection of literature graphs
- Original version of this file 23Jan2007
- Added influenza 22Aug2018 from my commentary of before 05Oct2006

Temperature – [CO2] Coherence

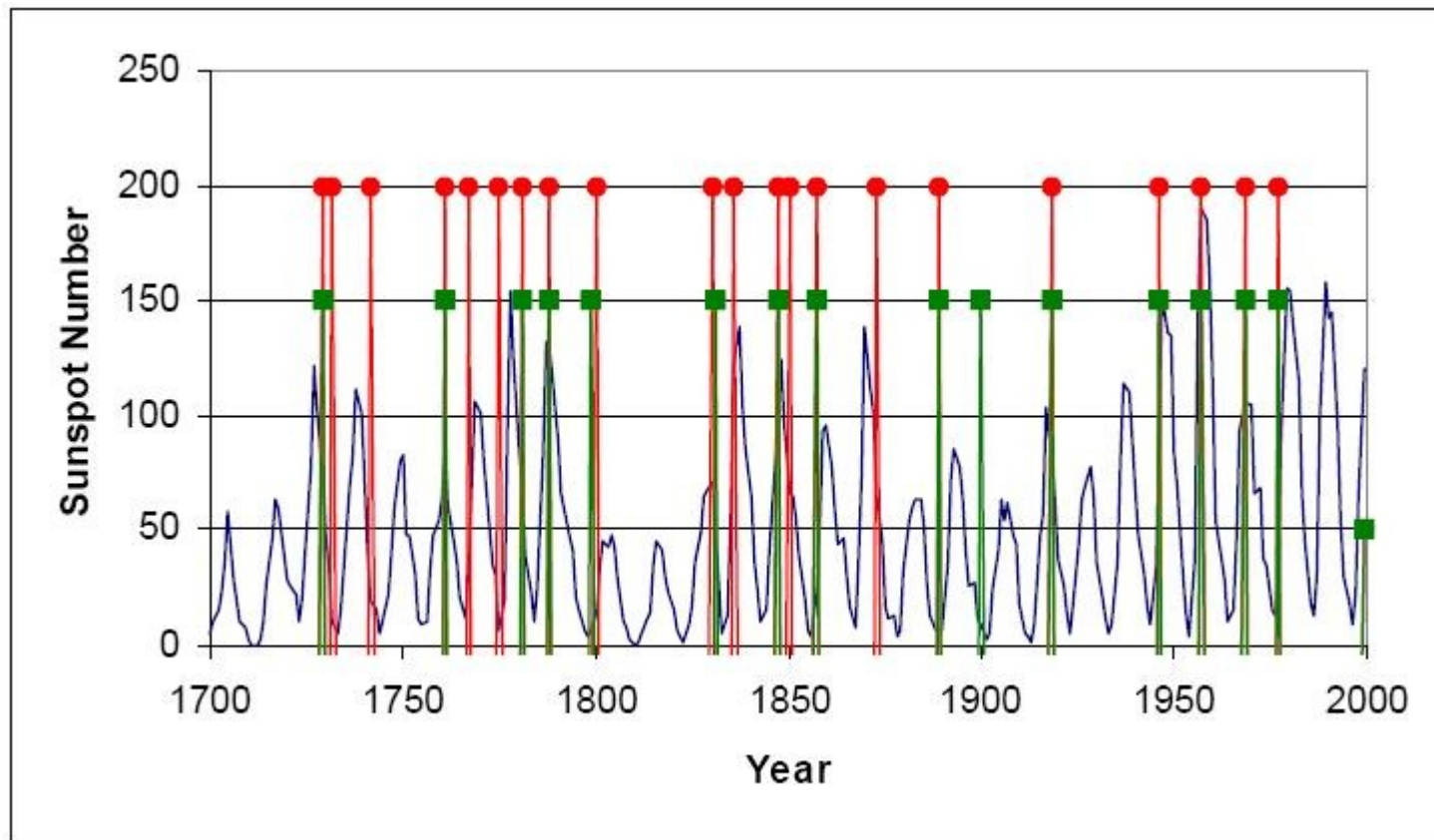
Cynthia Kuo, Craig Lindberg, David J. Thomson "Coherence established between atmospheric carbon dioxide and global temperature"

Nature, vol 343, 22Feb1990, p 700-714



Influenza pandemics since 1720

Tapping, Mathias, Surkan



The Plague in Kazakhstan - 1955-1995

S. Davis, M. Begon, L. De Bruyn, V.S. Ageyev, N.L. Klassovskly, S.B. Pole, H. Viljugrein, N. Chr. Stenseth, H. Leirs "Predictive Thresholds for Plague in Kazakhstan" Science, Volume 304, Issue 5671, 30 April 2004, Pages 736-738

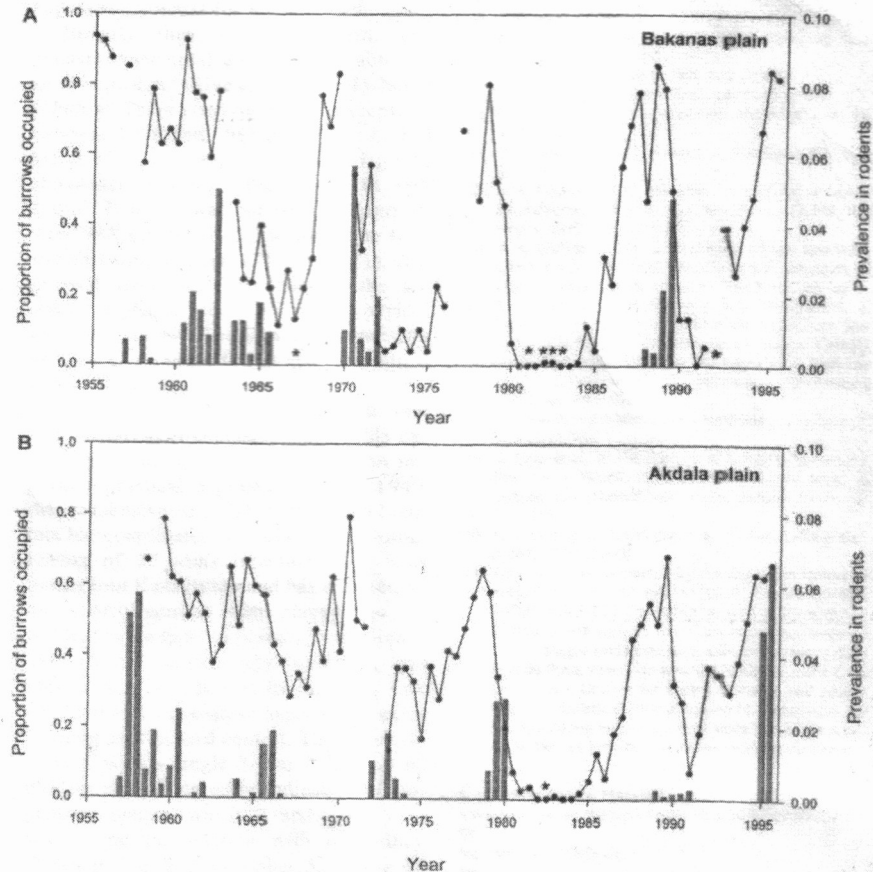
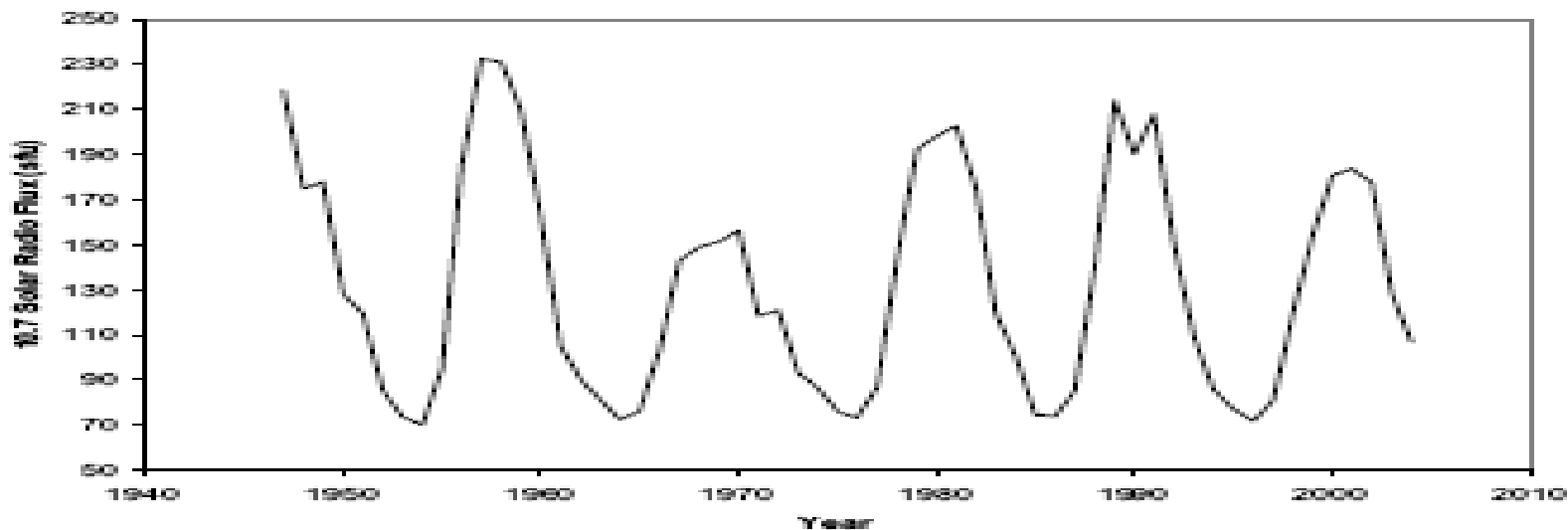
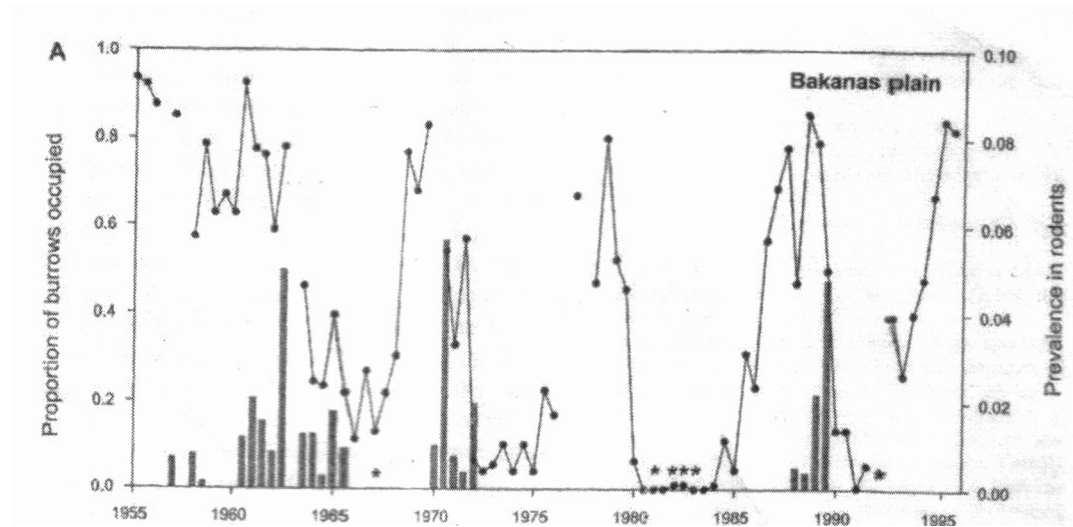


Fig. 1. (A and B) Spring and fall estimates of the proportion of burrows occupied (filled circles connected by solid lines) and prevalence of plague (vertical bars) in great gerbil populations from two sites in the Prebalkhash plague focus of Kazakhstan. In some seasons (marked by an asterisk), no great gerbils were tested for plague.

The Plague in Kazakhstan - 1955-1995

S. Davis, M. Begon, L. De Bruyn, V.S. Ageyev, N.L. Klassovskly, S.B. Pole, H. Viljugrein, N. Chr. Stenseth, H. Leirs "Predictive Thresholds for Plague in Kazakhstan" *Science*, Volume 304, Issue 5671, 30 April 2004, Pages 736-738

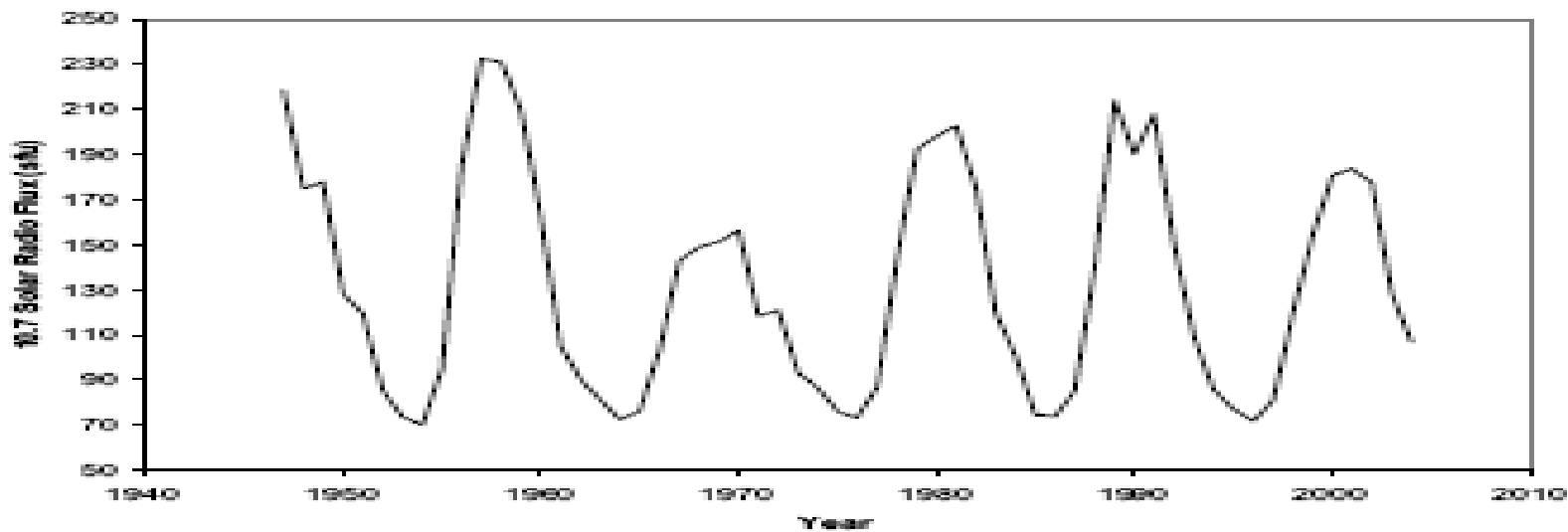
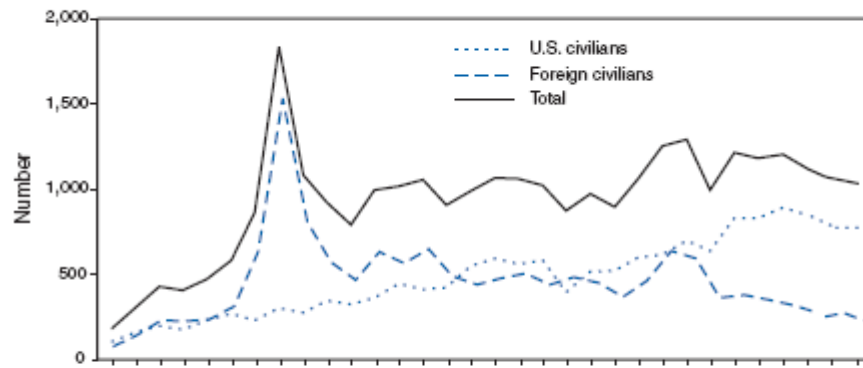
Ken Tapping "Modeling solar irradiance: values and uncertainties" - presentation to the Engineering Institute of Canada's Climate Change Technology Conference, Ottawa, 12May06 <http://www.ccc2006.ca/eng/index.html> (not published yet as of May06)



Malaria – USA

<http://www.cdc.gov/mmwr/preview/mmwrhtml/ss5504a2.htm>

FIGURE 1. Number of malaria cases among U.S. and foreign civilians, by year — United States,* 1973–2004†

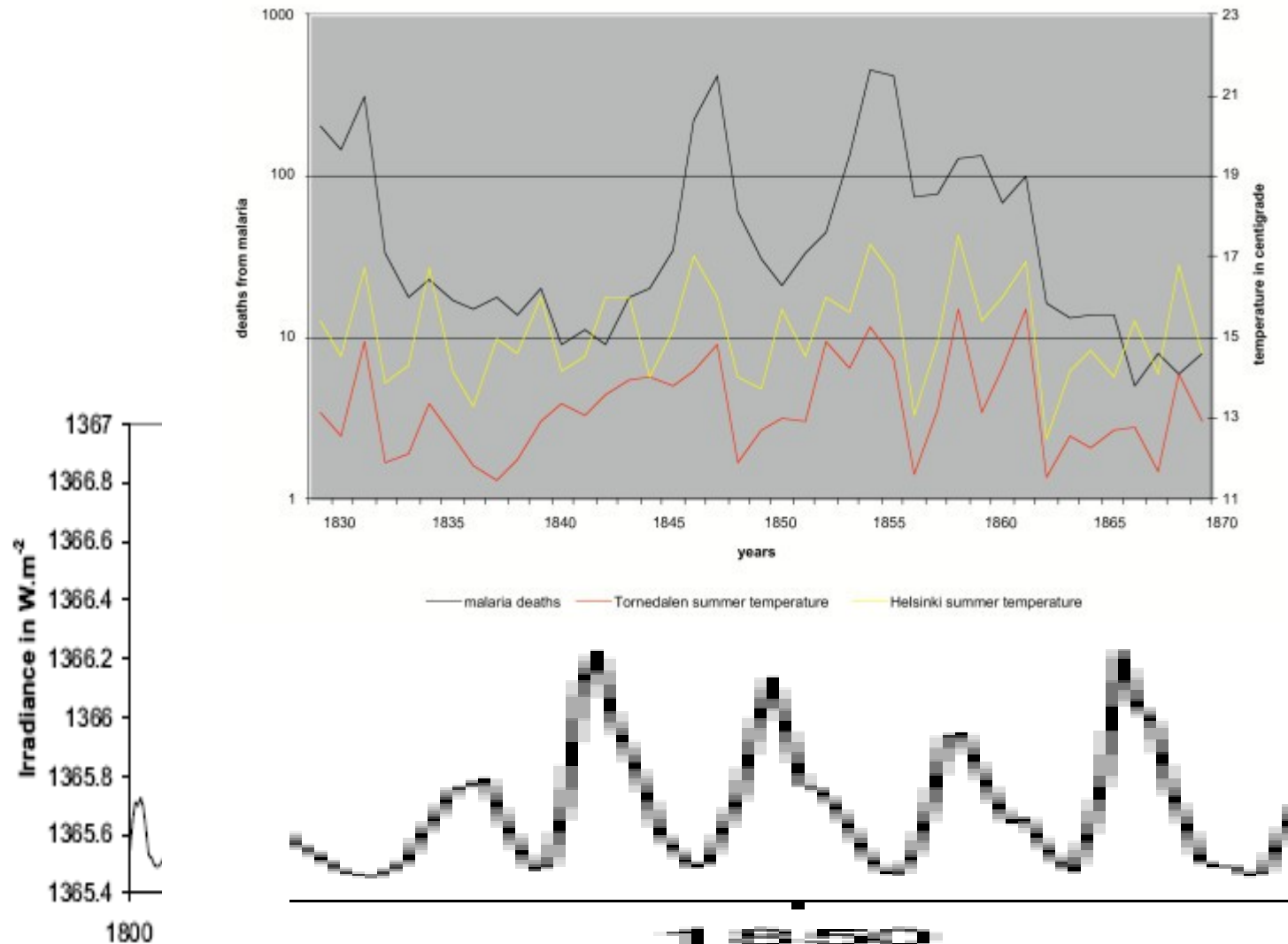


Malaria – Finland 1800's

(not shown during Toastmaster presentation)

Malaria deaths in southern Finland and mean temperatures of the preceding summer in Helsinki and Tornedalen 1830–1870.

Finland - <http://bmc.ub.uni-potsdam.de/1475-2875-4-19/>

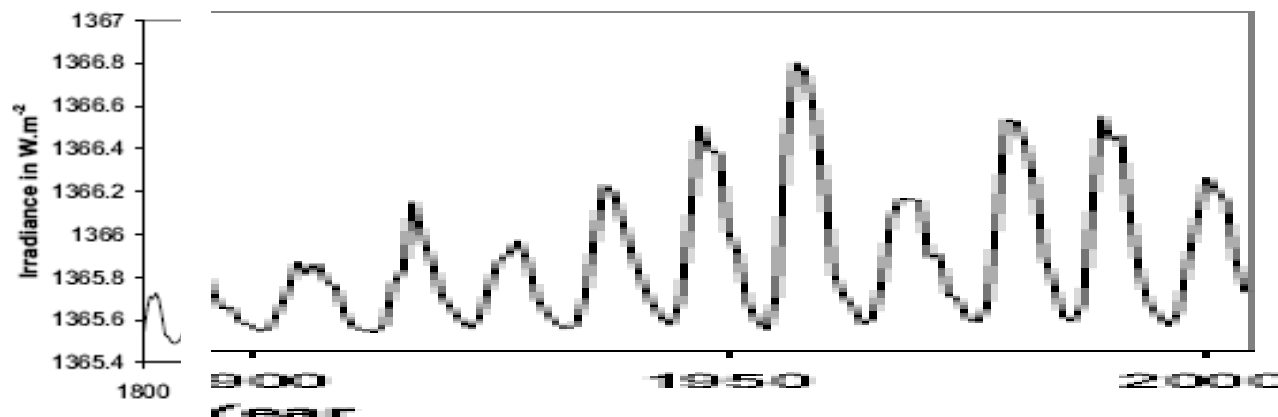
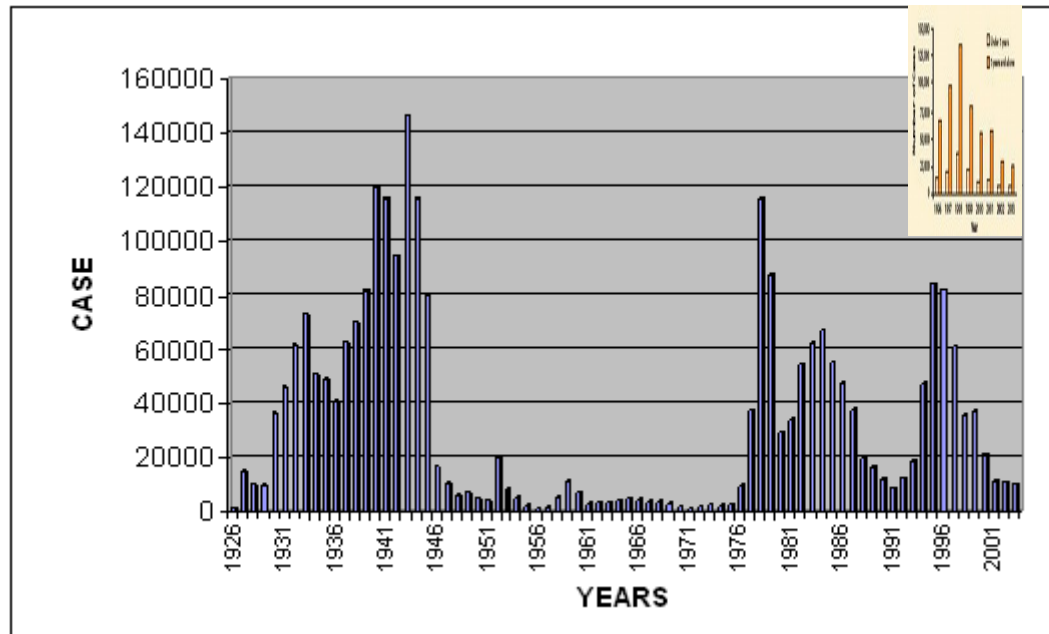


Malaria – Turkey, Eritrea

<http://www.saglik.gov.tr/eng/malaria/malaria.htm>

http://www.rti.org/pubs/rti_Eritrea_malaria_brochure.pdf#search=%22malaria%20cases%20historic%22

Ken Tapping "Modeling solar irradiance: values and uncertainties" - presentation to the Engineering Institute of Canada's Climate Change Technology Conference, Ottawa, 12May06 <http://www.ccc2006.ca/eng/index.html> (not published yet as of May06)



Cholera - epidemics are indicated by orange triangles

Norman Longate "King cholera" 1966 Hamish Hamilton, London 271pp

Vibrio cholerae and Asiatic Cholera © 2005 Kenneth Todar University of Wisconsin-Madison Department of Bacteriology

<http://textbookofbacteriology.net/cholera.html>

