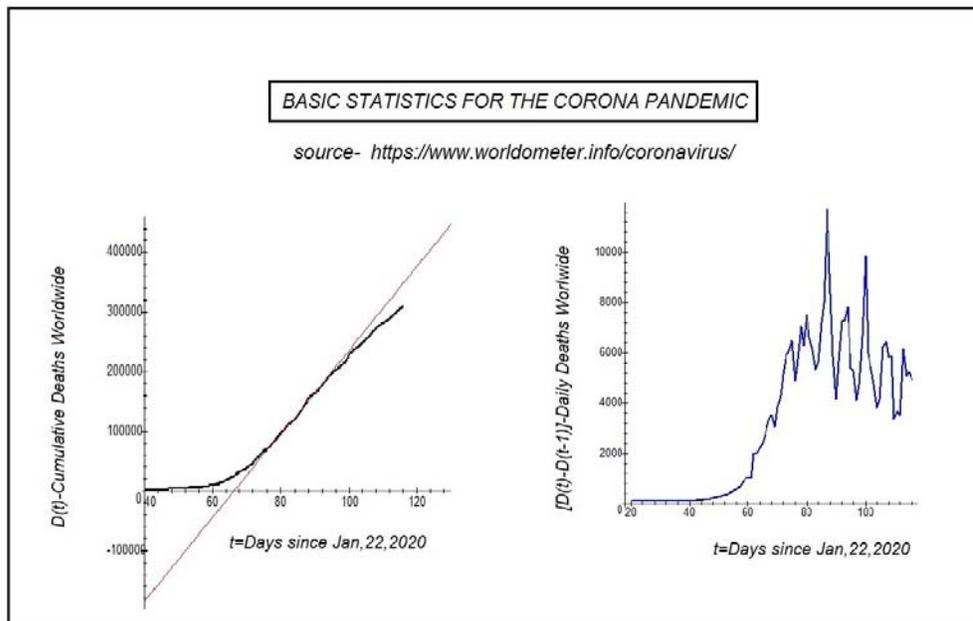


HOW LONG WILL THE CORONA PANDEMIC LAST ?

I have been following the history of the Corona Pandemic for nearly five months on this web page via numerous articles starting with an early model using Jan.22,2020 as a starting point for day one($t=1$). For the first 75 days the model showed an exponential increase for the number of worldwide deaths $D(t)$ resulting from the pandemic. From day $d=75$ through $d=100$ there was a linear relation between t and $D(t)$. Finally around $t=100$ our model departed to the downside indicating we are starting on a decrease in the number of daily deaths with an approximate indication of about half a million deaths worldwide by $t=180$ (July 20) when $D(t)$ is expected to have stopped rising and the pandemic will be over showing a daily death rate near zero . These observations are supported by the following graph I constructed today ($t=116$, May 16th).



According to this graph , the maximum daily increase in fatalities occurred at $t=87$ (April 17) with 11,713 deaths per day, Today at $t=116$ we are down to $D(t)-D(t-1)=4942$. The data for these graphs has been obtained from www.worldometers.info where the $D(t)$ numbers are reported several times each day. Although I have not recorded the number of deaths in the USA over the last four months, one knows at the moment that the ratio of US and worldwide deaths is $89442/311919=0.2867$. So, assuming this ratio stays the same, we should expect a total of US deaths to equal 143,000 by July. That is an additional 53 thousand US fatalities. My assumption is that there will not be a second outbreak of the corona virus later this year as herd immunity will have been built up by that time. The medical experts betting on a resurgence are probably wrong. What is clear in retrospect is that putting the population on lockdown has prevented our hospitals from becoming overrun, but it has not been effective in reducing the final outcome of 500,000 worldwide and 143,000 thousand US deaths expected before the pandemic is over. Unfortunately since the US did not follow the Swedish Model, the economy has

tanked and economic recovery will probably take several years or more to return the unemployment rates back to normal levels. With all the money printing in the trillions the Federal Reserve has been doing (and supported by Congress and the ghost of Ben Bernanke), our national wealth is being destroyed by the expected very high upcoming inflation rate due to their actions.

U.H.Kurzweg
May 16, 2020
Gainesville, Florida