







THE NEW YORK TIMES **NEW YORK** SUNDAY, NOVEMBER 27, 2005

Just Try to Sleep Tight. The Bedbugs Are Back, Even on Park Avenue.

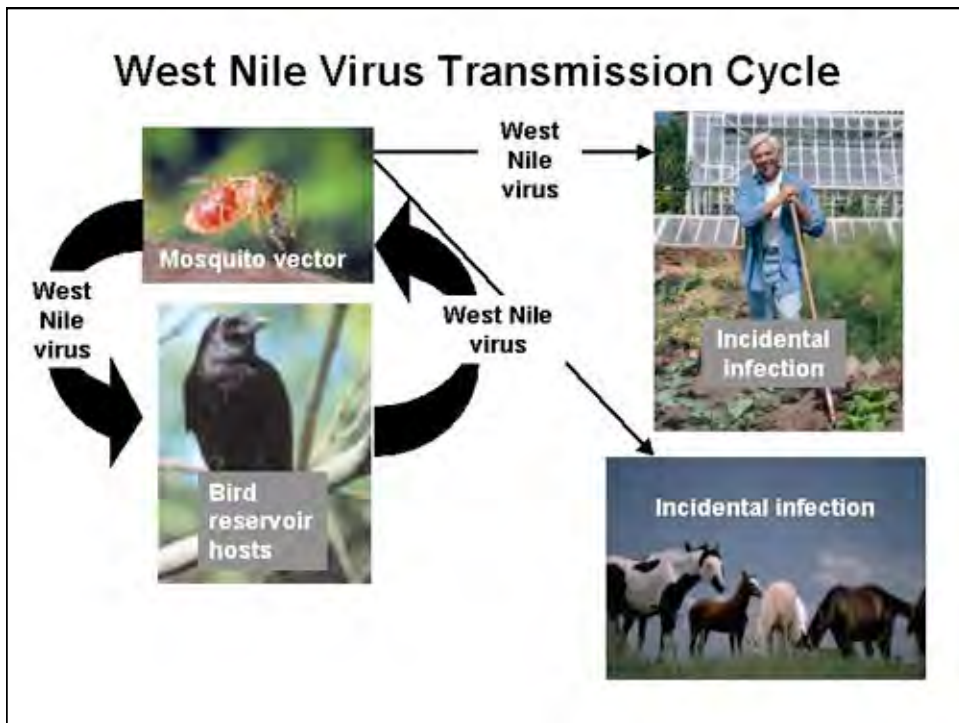
USA TODAY - WEDNESDAY, NOVEMBER 7, 2007 - 13D

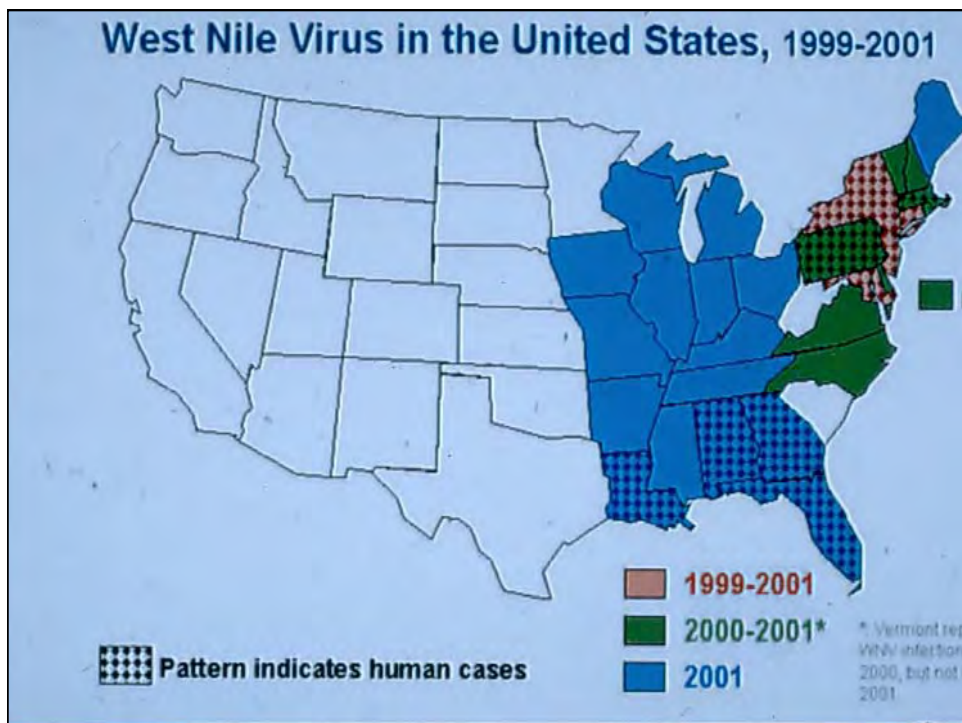
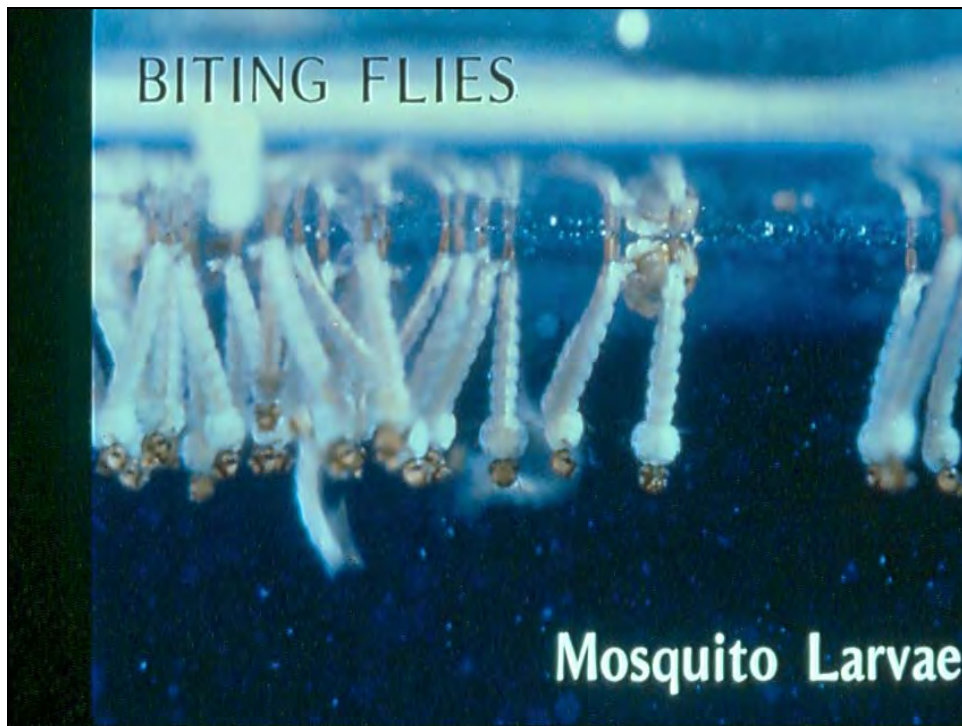
It's easy to say  
'Don't let the  
bedbugs bite' —  
until the  
paranoia-inducing,  
bloodsucking parasites  
shake *you* awake

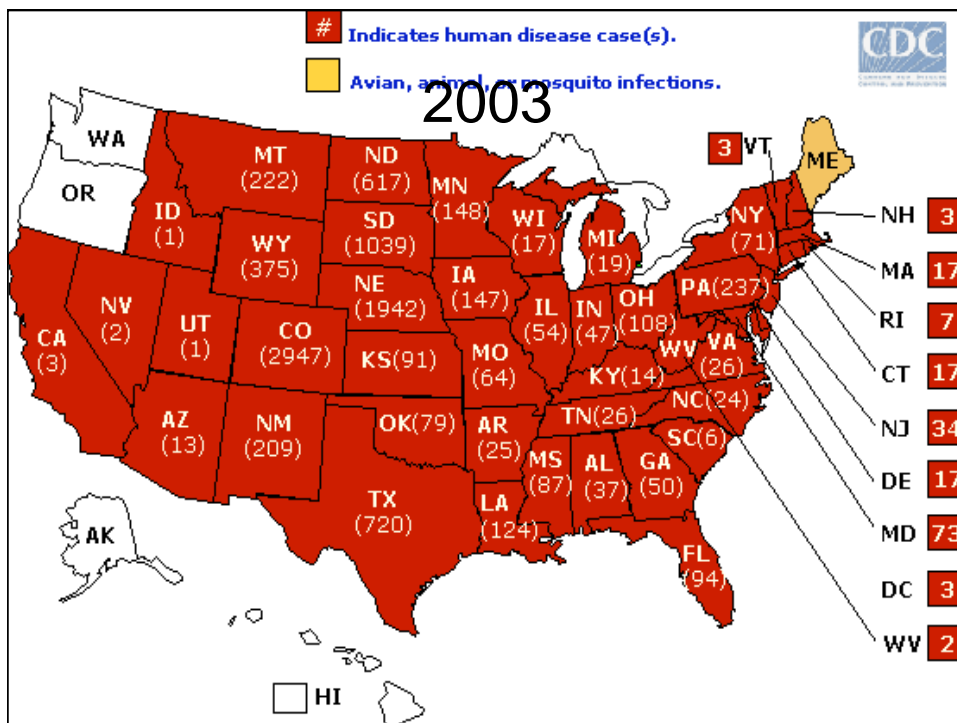
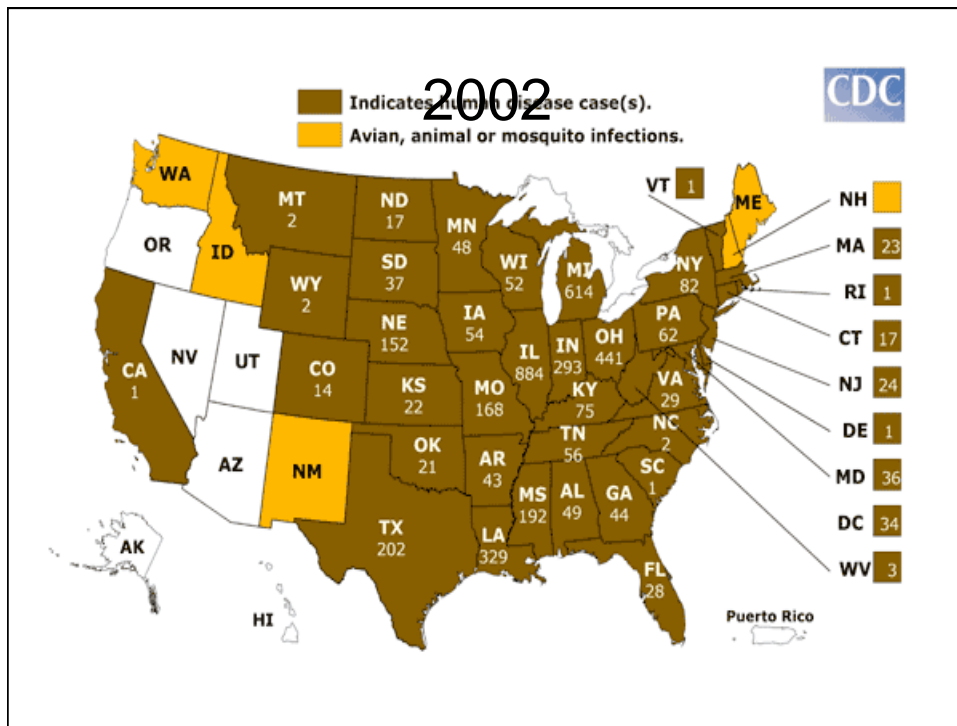


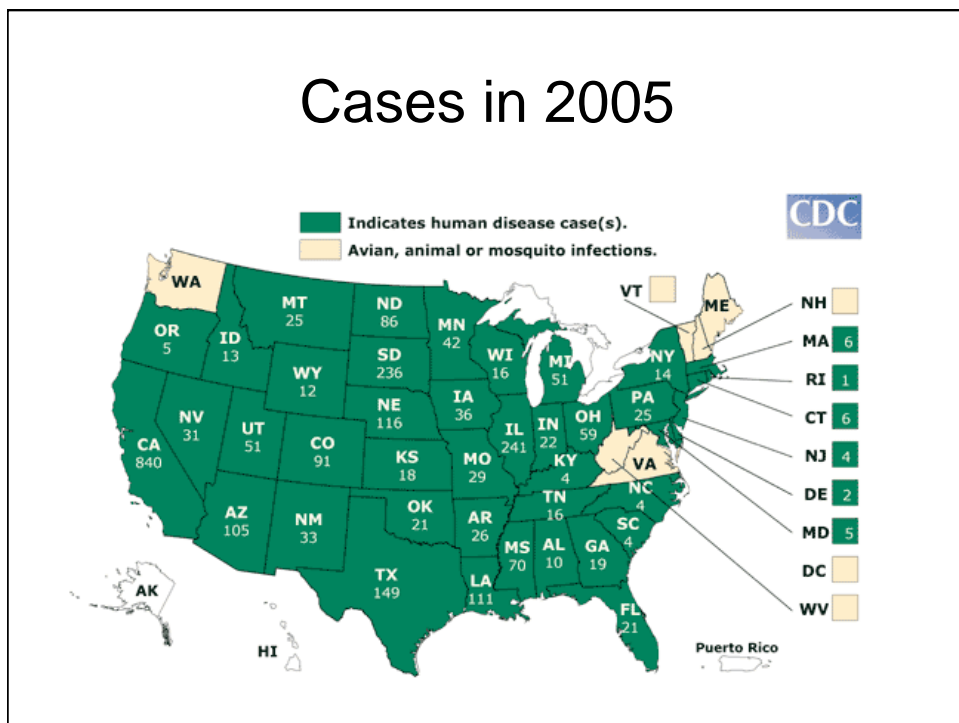
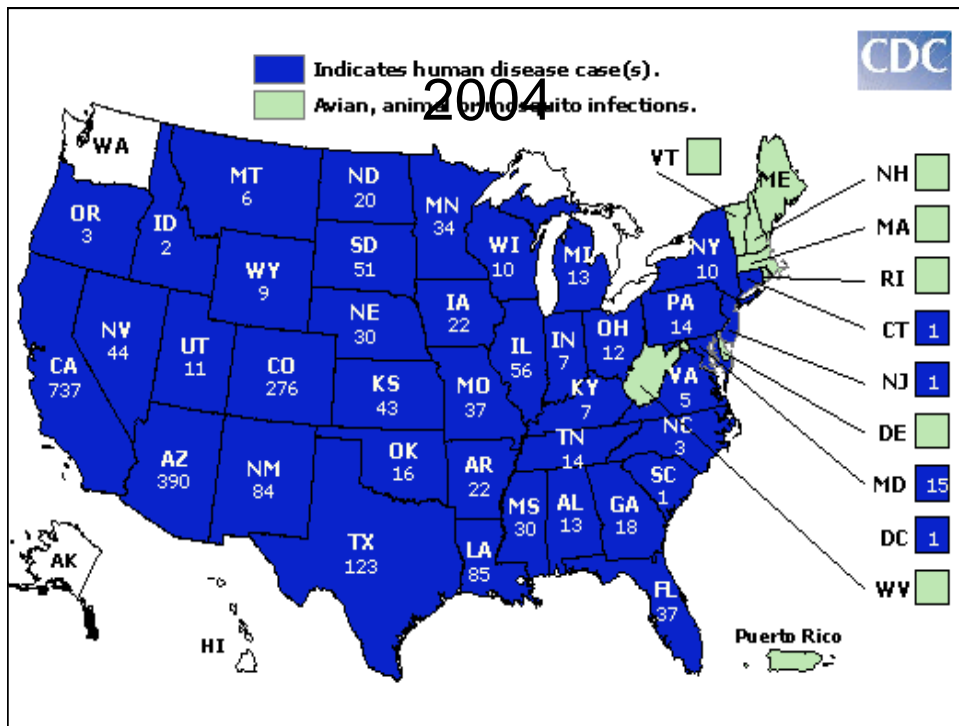
**They're  
ba-a-ack for a snack**

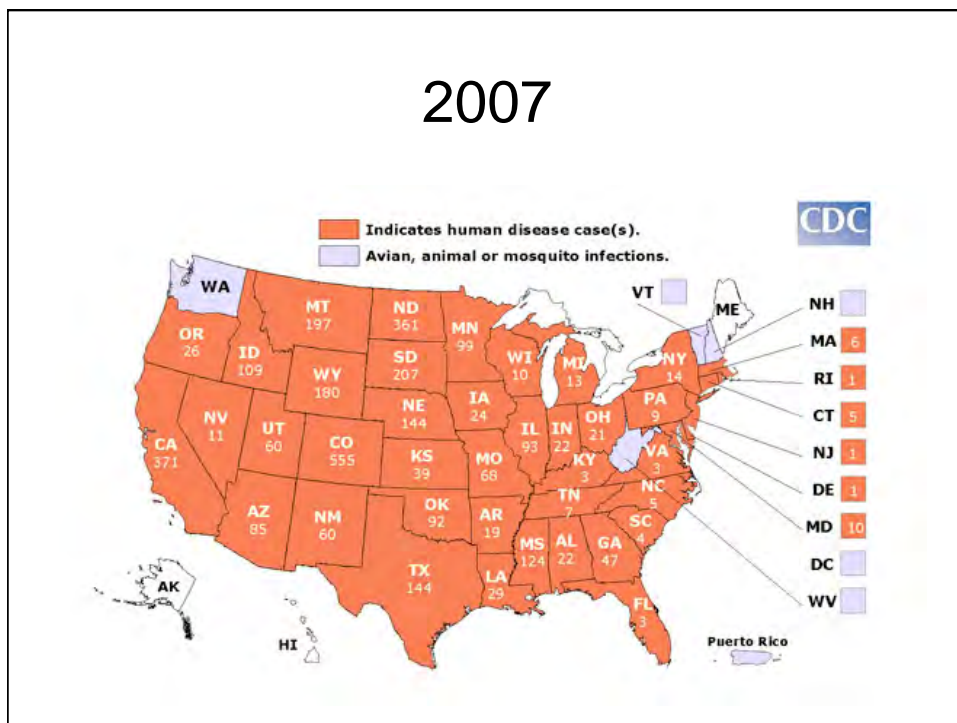
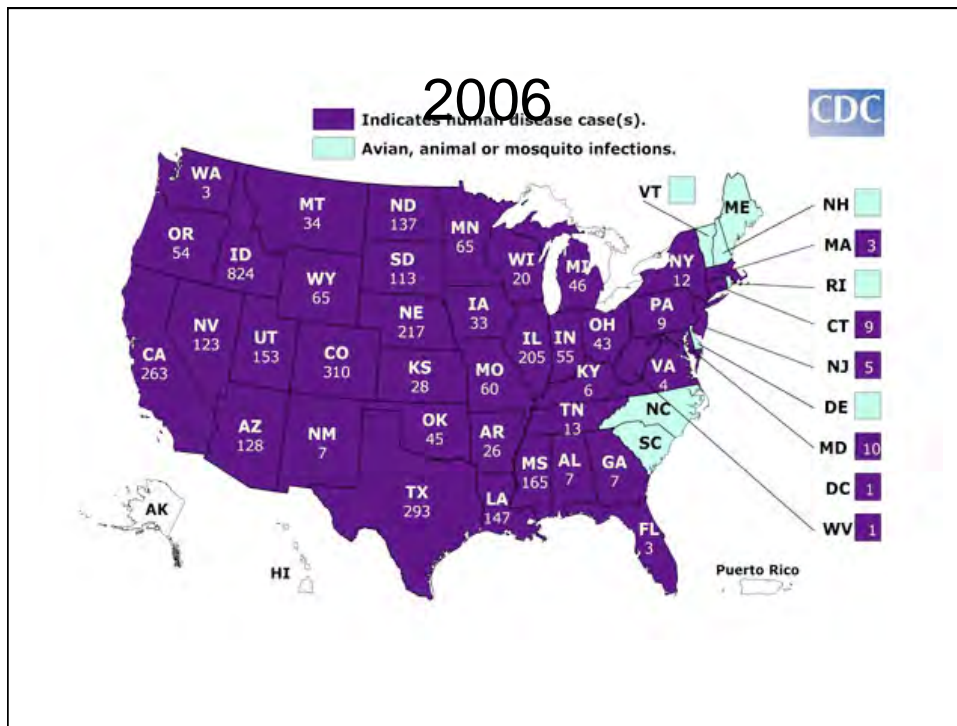


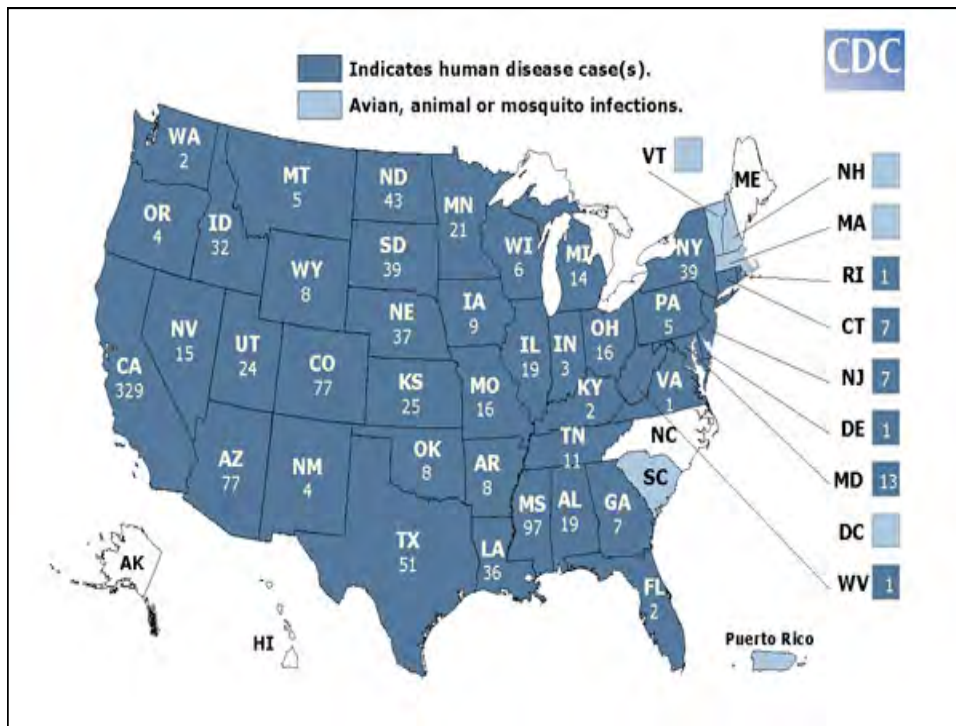




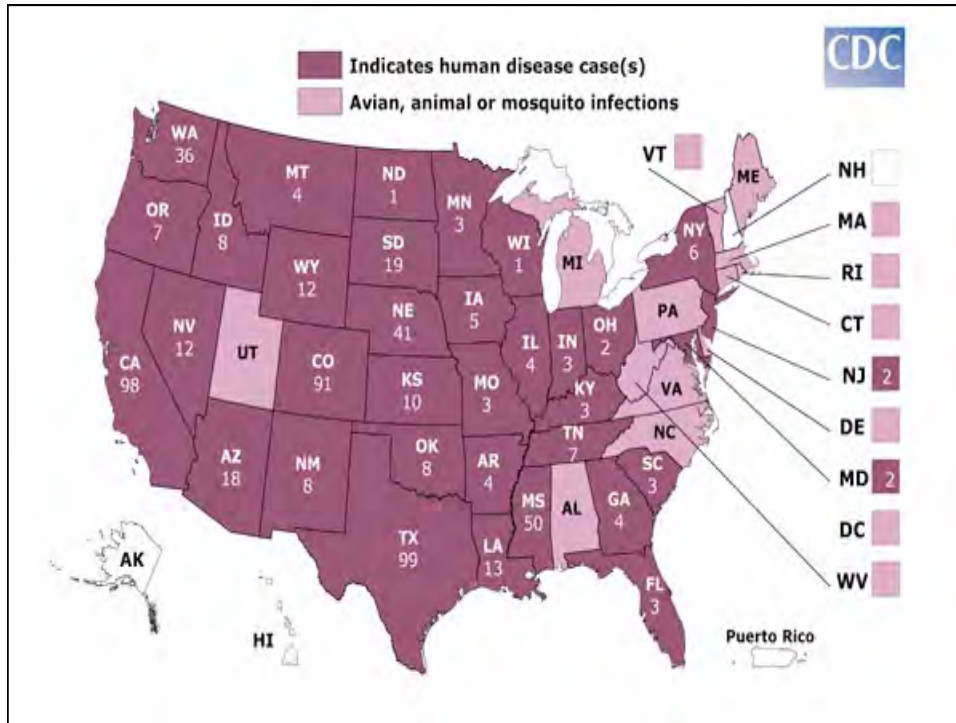








2009



## HUMAN CASES

Year	New York	Texas	California	Colorado	Total
2000	14	0	0	0	21(2)
2001	15(2)	0	0	0	66(10)
2002	83(3)	0	1	14	4156(284)
2003	71	720	3	2947	9862(264)
2004	10	123	737	276	2539(100)
2005	14	149	840	91	3006(119)
2006	12	293	263	310	4269(177)
2007	14	144	371	555	3630(124)
2008	39	51	329	77	1356(44)
2009	6	99(7)	98(4)	91(3)	590(26)









## Too Many Deer

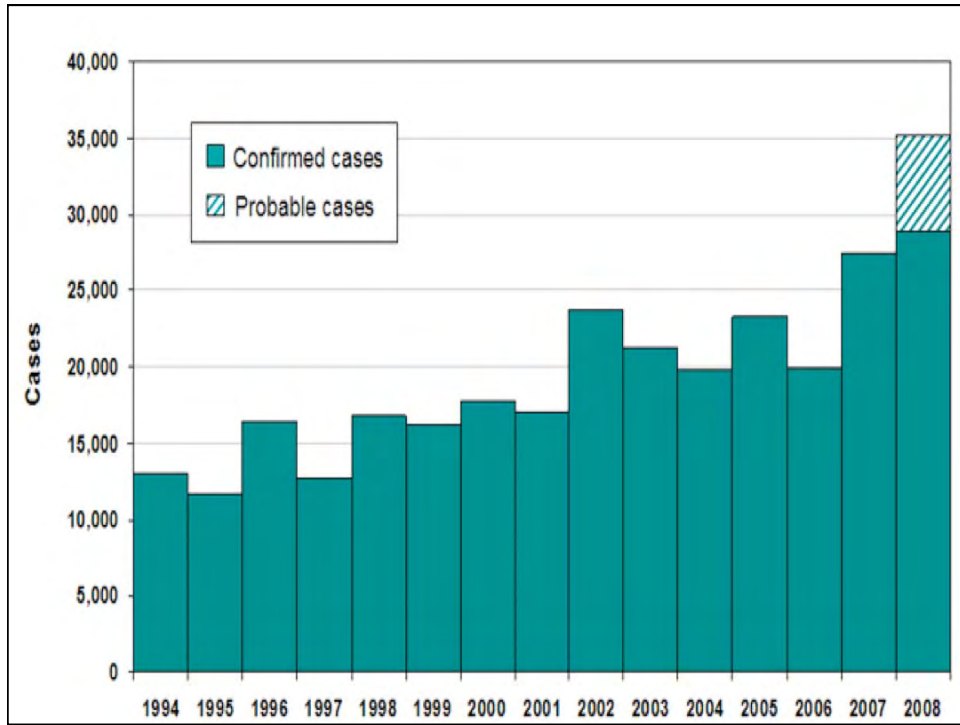
- Amplifying host for vector tick
- Destroying forests
- Up to 500,000 deer car accidents
- (State Farm says 1.5 million collisions)
- 200+deaths
- \$1+ billion in damages



Reported Cases of Lyme Disease -- United States, 2007

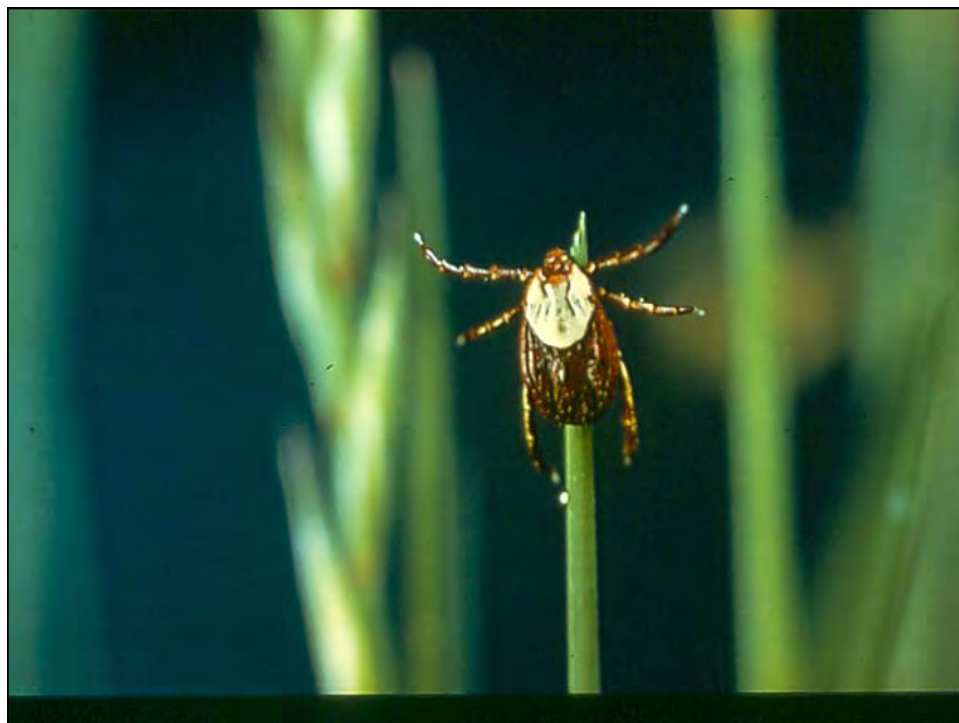


1 dot placed randomly within county of residence for each reported case









**Figure 7. Approximate distribution of the American dog tick**



Yellow indicates approximate distribution area

American dog tick (*Dermacentor variabilis*)

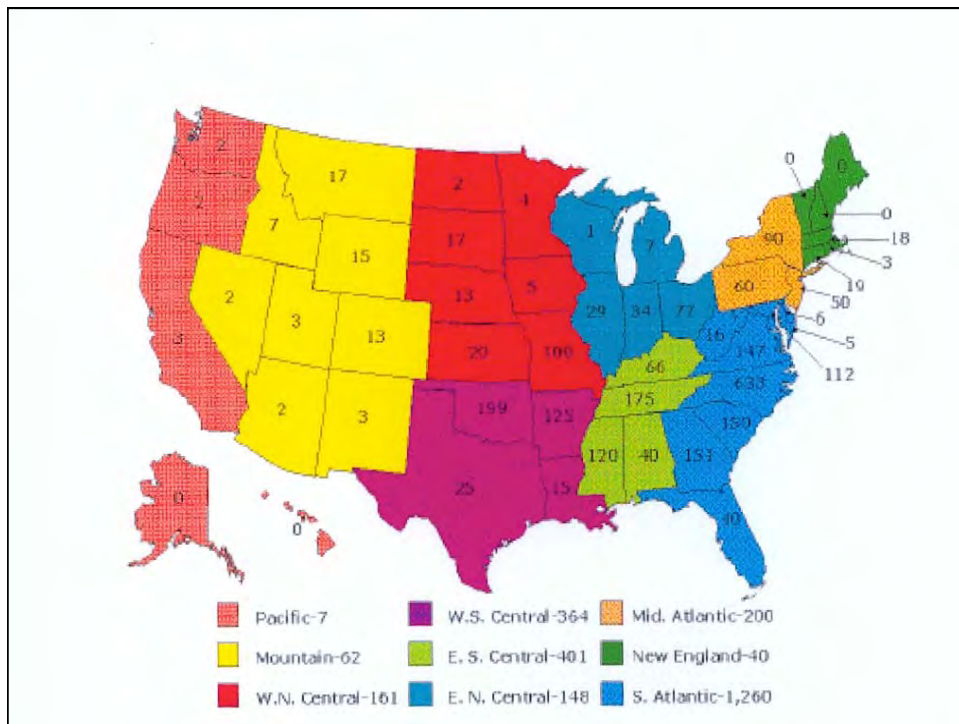
**Figure 8. Approximate distribution of the Rocky Mountain wood tick**



Yellow indicates approximate distribution area



Rocky Mountain wood tick (*Dermacentor andersoni*)

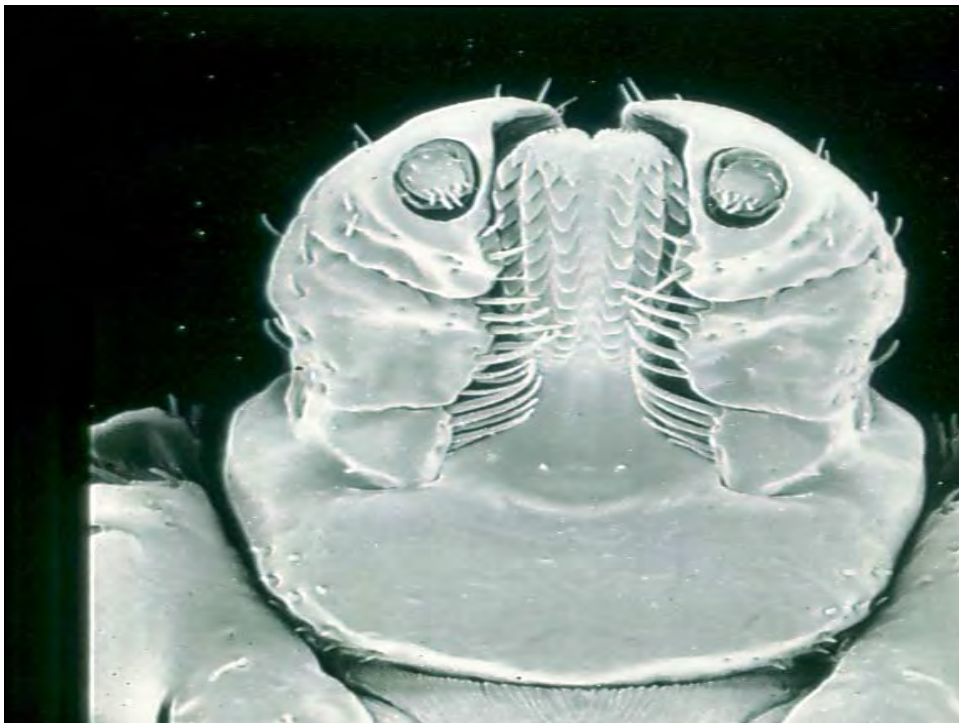


LIFECYCLE

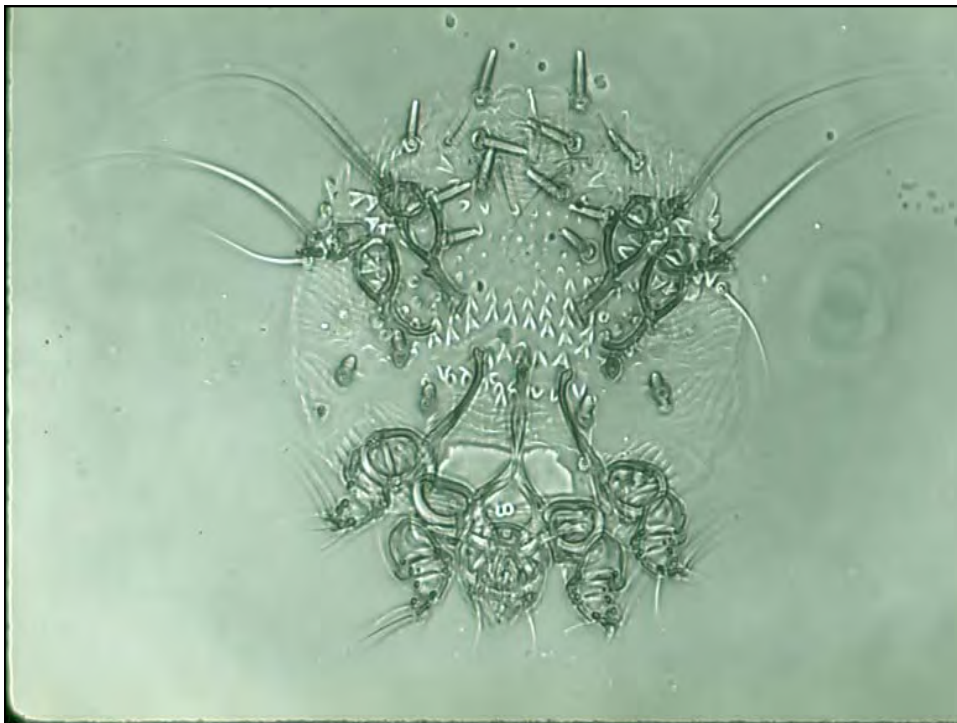
ADULT LAYING EGGS

# AMERICAN DOG TICK



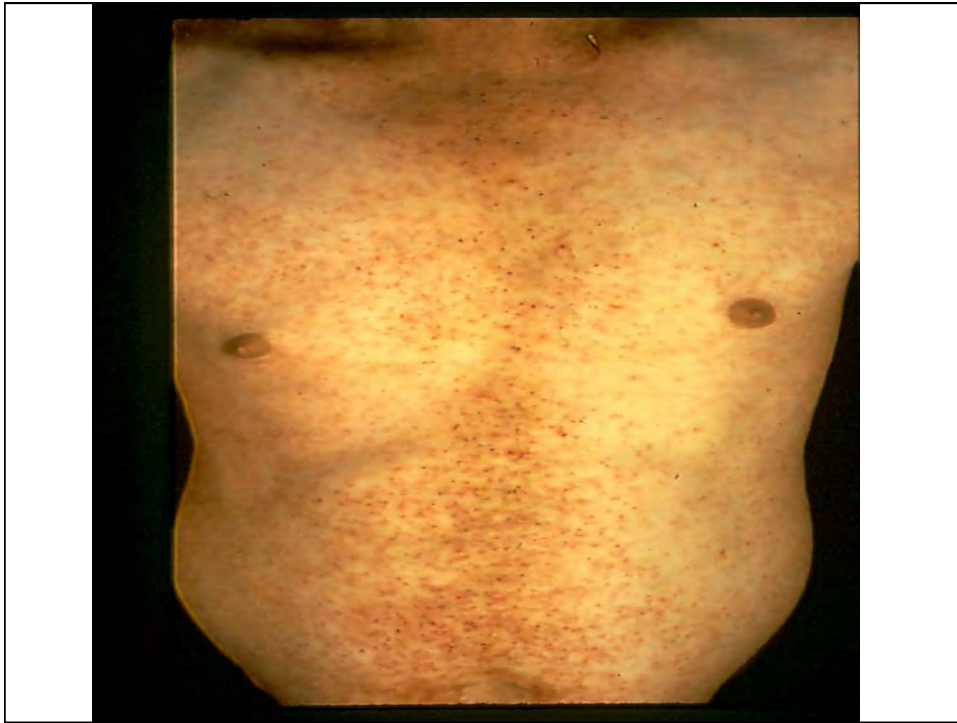






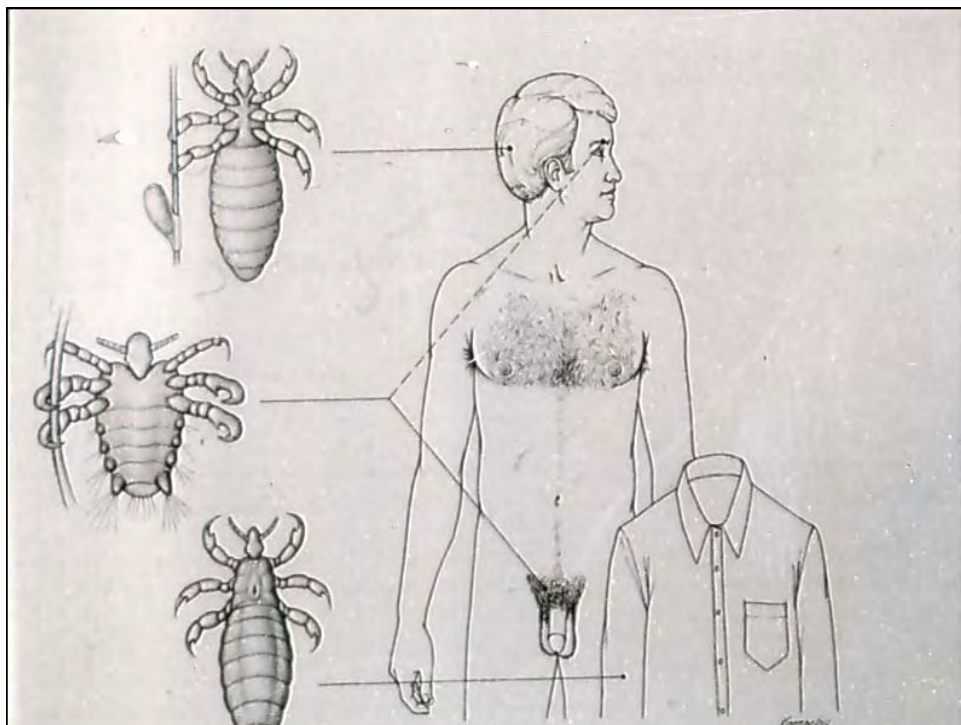


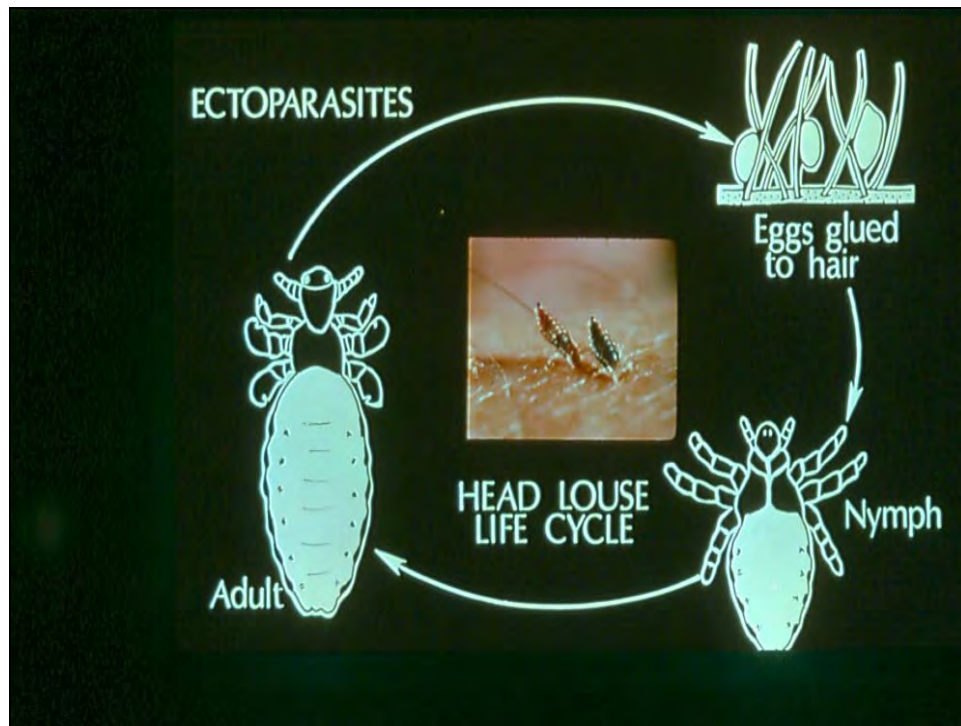






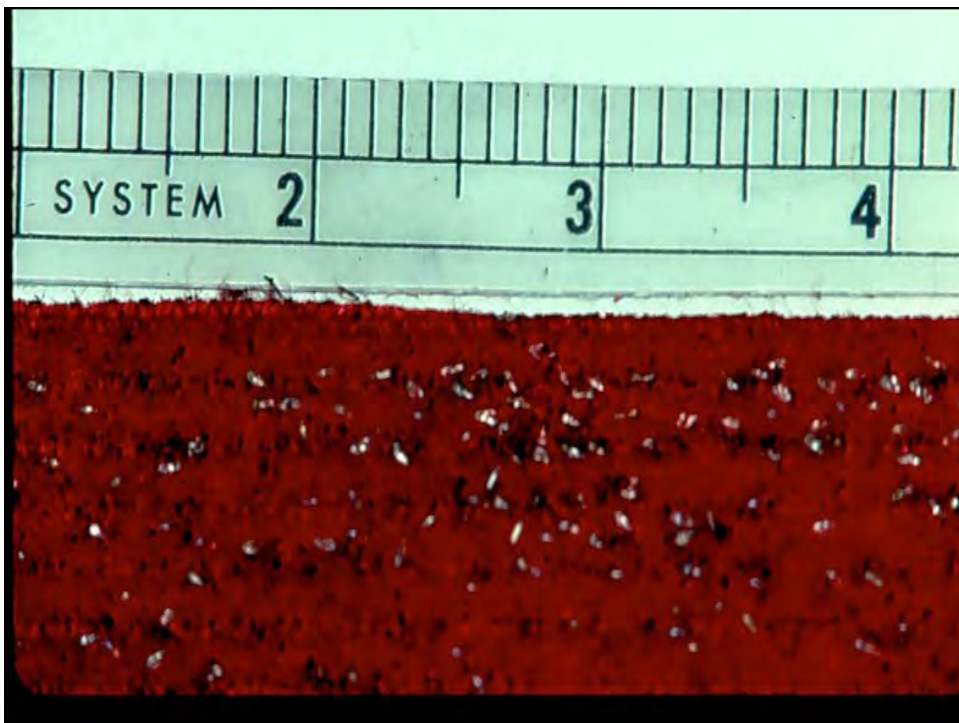


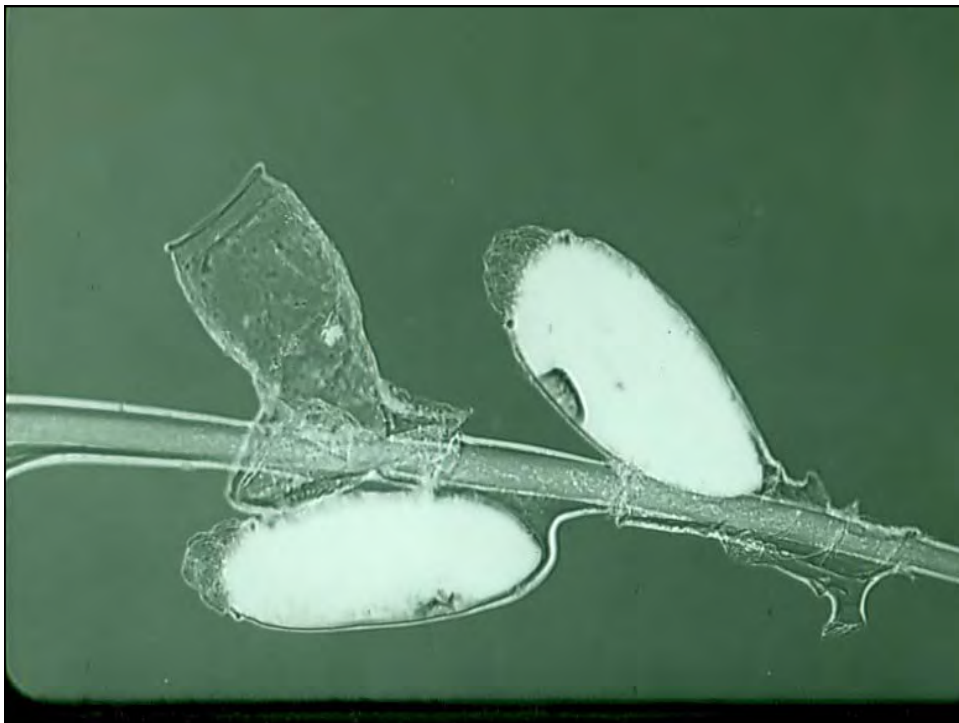




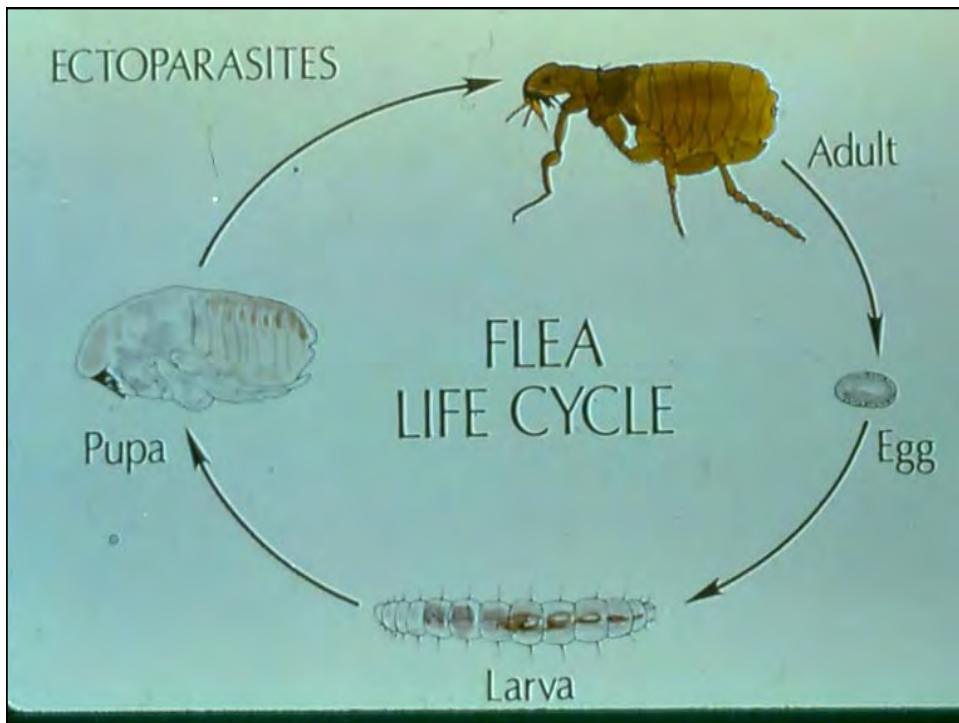




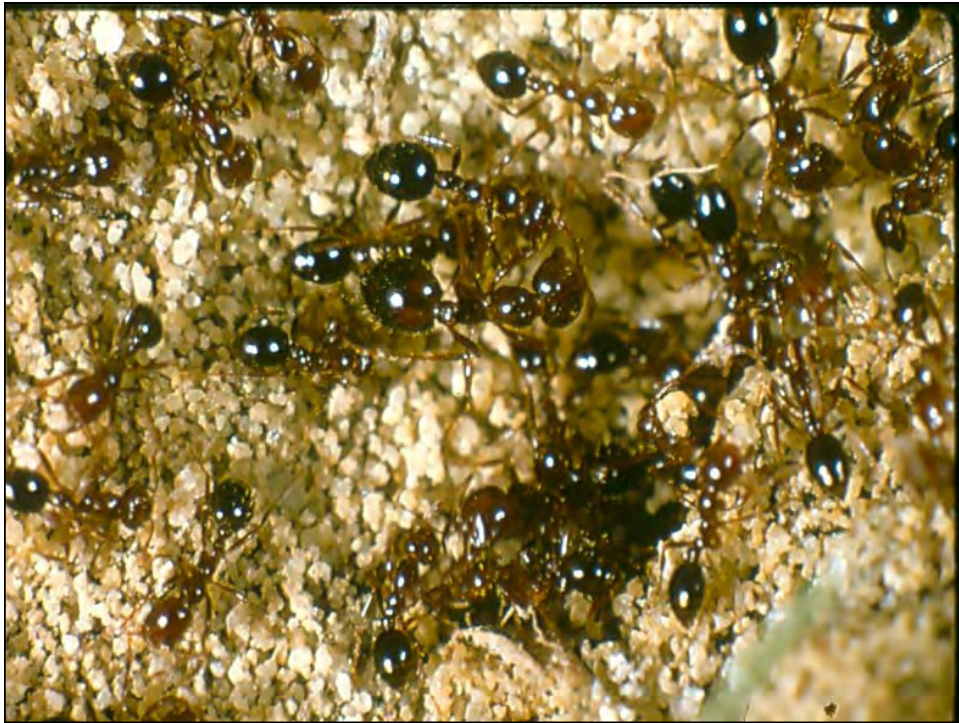
















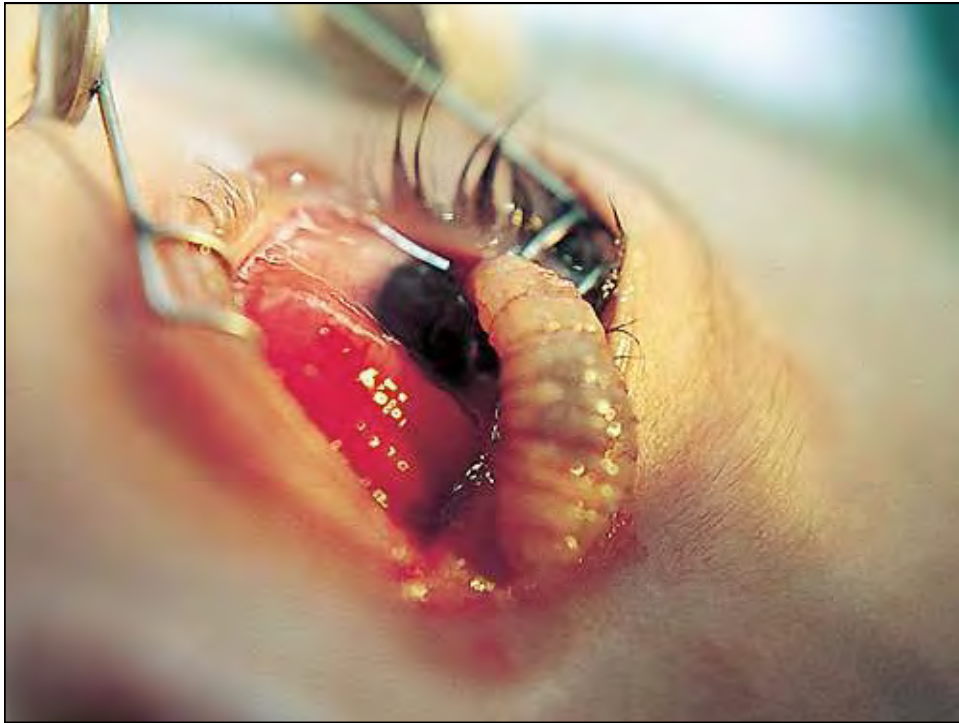














## Maggot Therapy



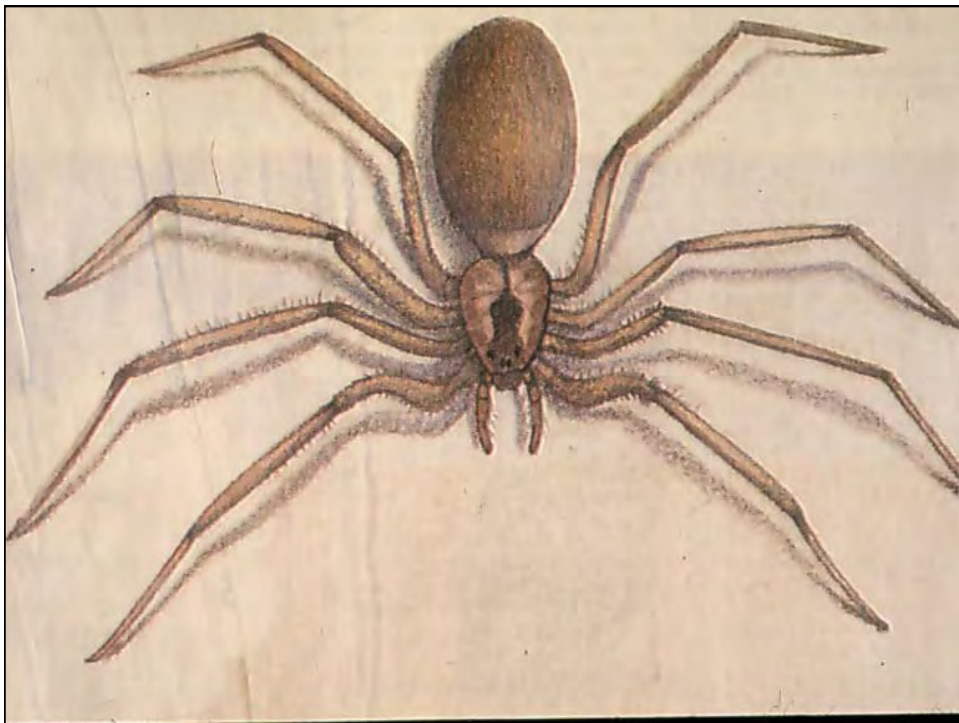


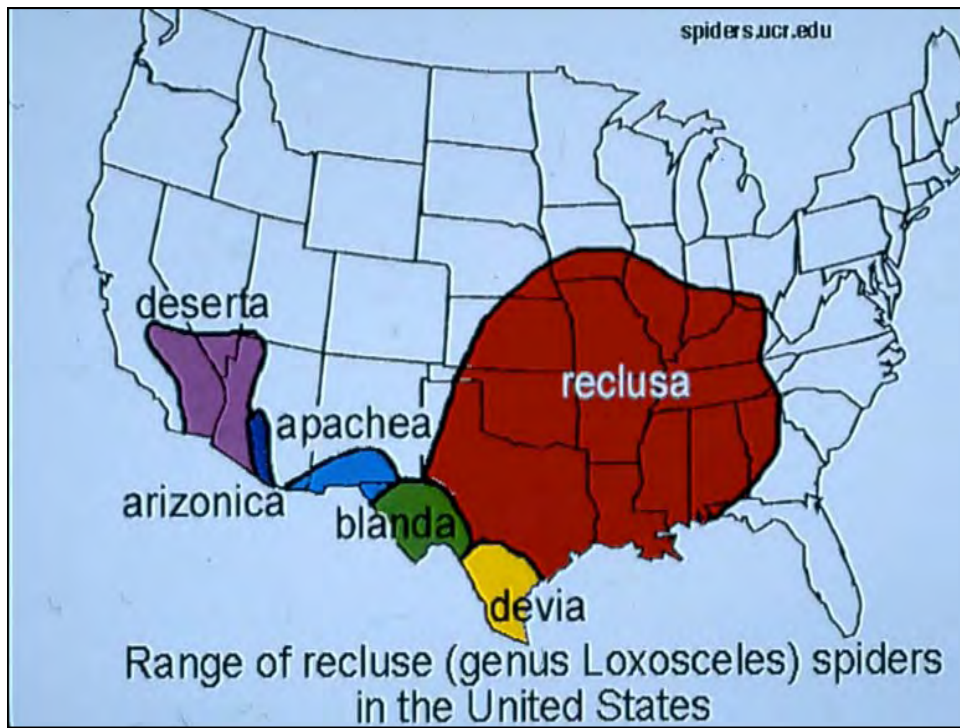














**... the time has come "to close the book  
on infectious diseases."**

**Dr. William H. Stewart  
U.S. Surgeon General  
1967**



Life Sciences Division



Ames Research Center





