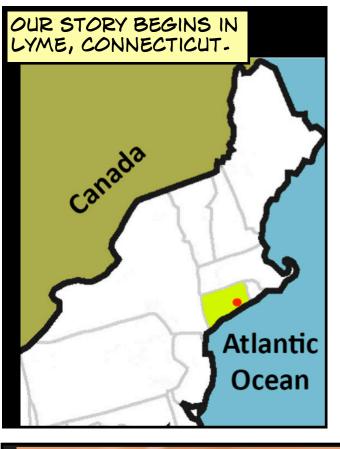


DEDICATED TO VIRGINIA & BRUCE BRACKETT. FOR THE MANY BOOKS THAT PLANTED SEEDS FOR EARLY CREATIVITY.

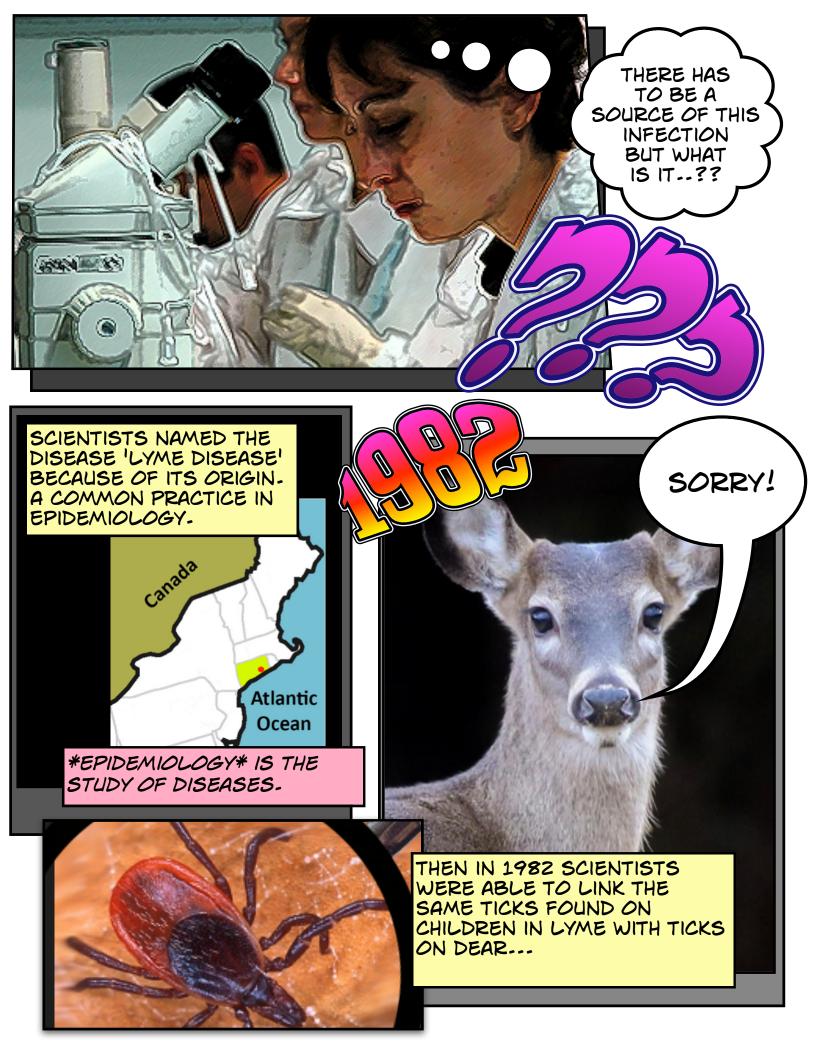


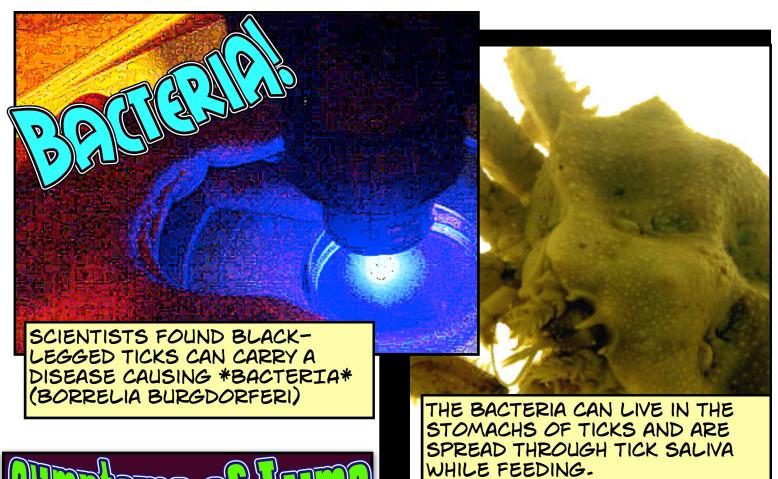
IN 1975, REPORTS OF 'UNKNOWN DISEASE' INFECTIONS WERE FIRST EMERGING AMONG CHILDREN PLAYING IN NEARBY FORESTS.



CHILDREN WERE NOT RETURNING FROM THE FOREST ALONE...

BLACK-LEGGED TICK (IXODES SCAPULARIS) IS A PARASITE THAT FEEDS ON THE BLOOD OF ITS HOSTS. A *PARASITE* IS AN
ORGANISM THAT LIVES ON ANOTHER
ORGANISM AND FEEDS FROM IT.
THE CHILDREN PLAYING IN THE
WOODS WERE *HOSTS* FOR THE
TICKS.









FEVER/CHILLS ONSET OF INFECTION



CIRCULAR RASH (WITHIN 3-30 DAYS)

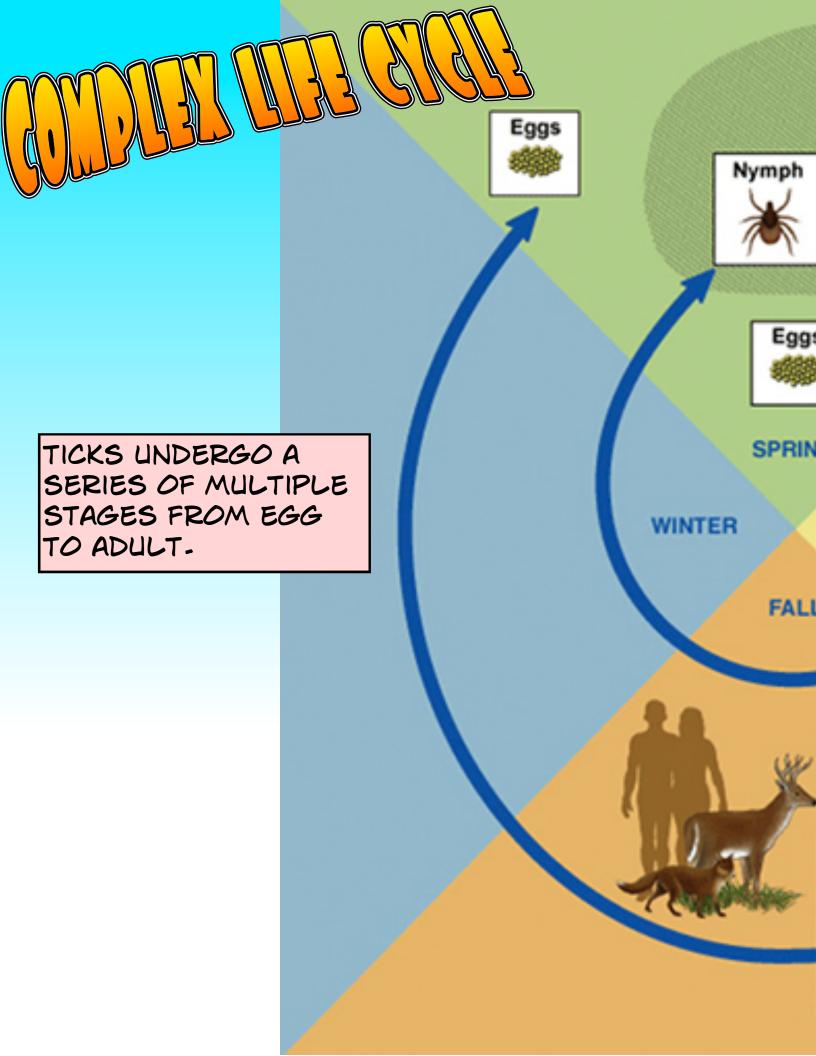


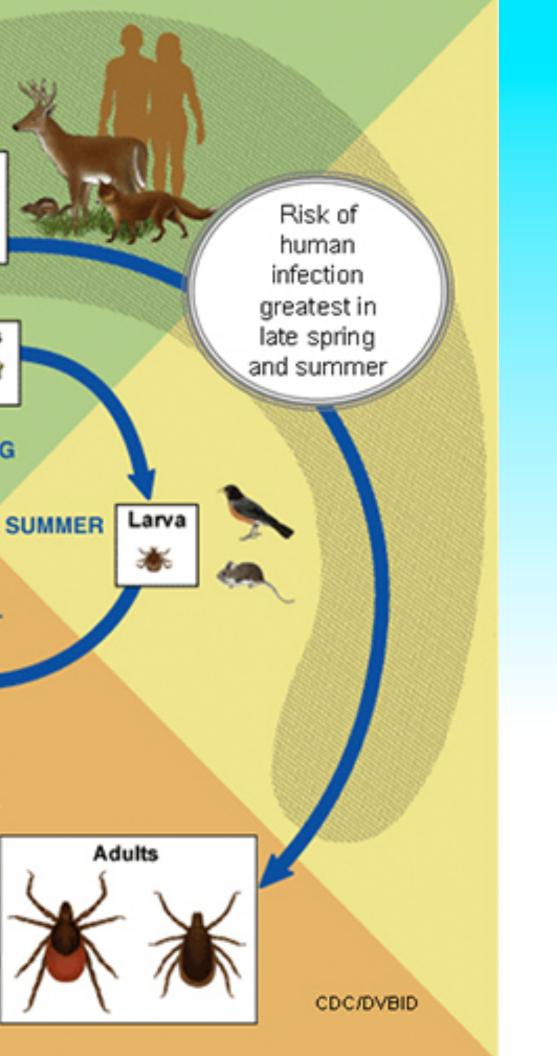
ACHES/PAINS

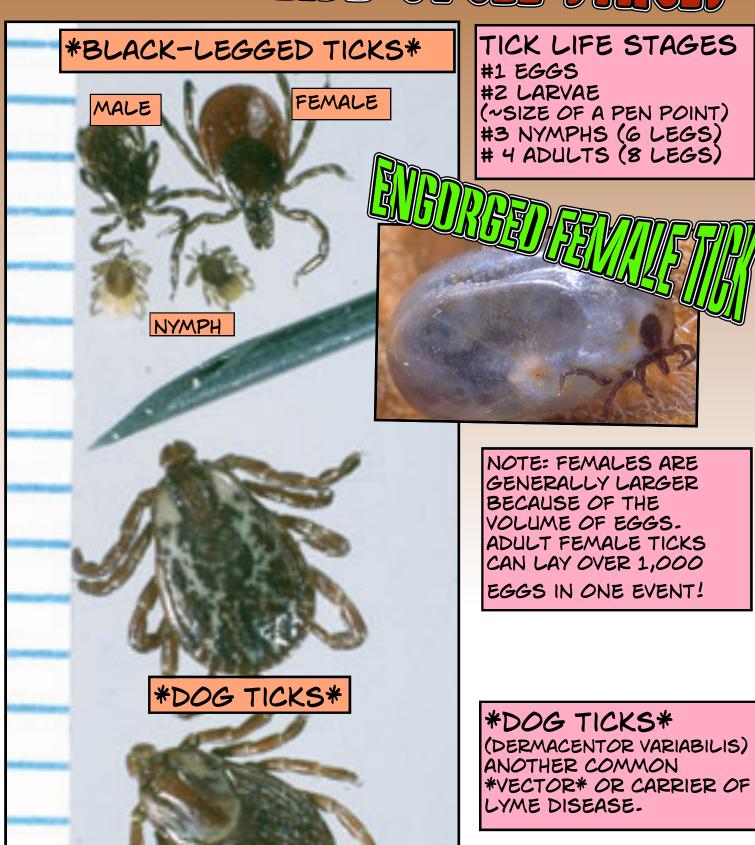
MANY OF THESE SYMPTOMS CAN BE TREATED WITH ANTIBIOTICS BUT... SEVERE CONDITIONS MAY LEAD TO HOSPITALIZATION!



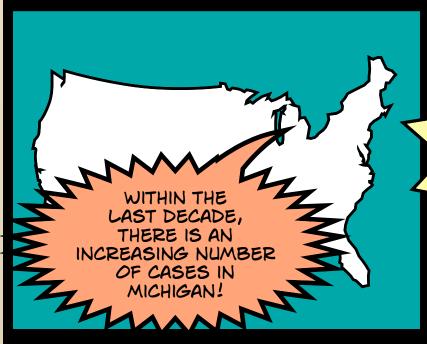
EXAMPLE *O*F *CIRCULAR RASH* CAUSED BY LYME DISEASE





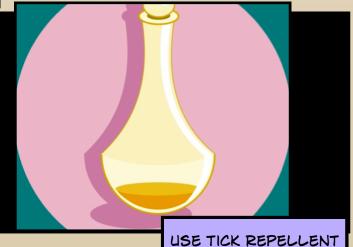






43 STATES NOW HAVE LYME DISEASE REPORTED!





THAT CONTAINS 0.5%
PERMETHRIN.

EXAMINE YOUR
CLOTHING, HAIR EI
PETS FOR TICKS
AFTER SPENDING
TIME OUTDOORS.



I WOULD LIKE TO THANK THE VARIOUS SOURCES AND AUTHORS OF PHOTOS THAT GRANTED PERMISSION OF USE.

- * MICHIGAN-GOV/DNR
- * INSECTIMAGES-ORG
- * MORGUEFILE-COM
- * CDC-GOV
- * SCOTT BAUER [USDA AGRICULTURAL RESEARCH SERVICE]
- * JIM OCCI [BUGPICS, BUGWOOD-ORG]
- * ALLEN C. STEERE



HAYDEN HEDMAN GREW UP READING COMIC BOOKS FROM HIS DAD'S OLD COLLECTION. HE'S EXCITED TO INCORPORATE HIS PASSION FOR COMICS WITH DISEASE ECOLOGY. HAMDEN'S STUDYING THE SPILLOVER OF ZOONOTIC DISEASES AT THE UNIVERSITY OF MICHIGAN.

FOR MORE INFO REGARDING HAMDEN'S RESEARCH, SEE: HAYDENHEDMAN-BLOGSPOT

HEDMANH@UMICH-EDU



HAYDEN EXTRACTING TICKS OFF THE EAR OF A GOAT IN NAXOS, GREECE.

