Select Vector Borne Diseases

There is no one Chapter in your text on this particular topic. Topics are dispersed among several chapters. Please be aware that your index as well as the page numbers below will direct you to several places in your text.

- 1. Introduction
 - A. Skin as a Barrier (p. 590)
 - B. Vectors (pp. 363 365; 412 413)
 - i. Representative
 - ii. Mode of Pathogen Transport
 - a. Mechanical
 - b. Blood Meal

- 2. *Yersinia Pestis* (pp. 655 658)
 - A. History
 - i. Black Death
 - B. Reservoir
 - C. Disease
 - i. Bubos
 - D. Virulence Factors
 - i. Antiphagocytic Capsule
 - ii. Antiphagocytic Antigen
 - iii. Intracellular Toxin
 - E. Plagues
 - i. Sylvatic Plague
 - ii. Bubonic Plague
 - iii. Septicemic Plague
 - iv. Pneumonic Plague
 - F. Control
 - G. Vaccines

- 3. Borrelia recurrentis (P. 658)
 - A. Relapsing Fever
 - i. Human Body Louse
 - ii. Other Borrelia sp.
 - B. Pathogenesis
 - C. Antigenic Variations
 - i. Linear Plasmid
 - ii. "Variable Major Protein"

- 4. Borrelia burgdofferi (pp. 658 660)
 - Lyme Disease

CDC: http://www.cdc.gov/ncidod/dvbid/Lyme/

Lyme Disease Foundation: http://www.lyme.org/

- A. Reservoir
- B. Vector Ixodes sp.
 - i. Life Cycle (see handout)
- C. Symptoms
 - i. First Erythema Migrans
 - ii. Second "Flu-like Symptoms"
 - iii. Third arthritis
 - iv. Fourth
- C. Diagnosis
 - i. ELISA
 - ii. Western Blot

B.

Symptoms

5.	Rick	ettsia prowazekii (p. 660)
	A.	Epidemic Typhus
	B.	Reservoir
	C.	Vector: Human Body Louse
	D.	Control
6.	Rick	ettsia Typhi (p. 660)
	A.	Endemic Murine Typhus
	B.	Reservoir
	C.	Vector
	D.	Control
7.	Rick	ettsia reckettsii (p. 661 - 662, See diagram, p, 661)
	A.	Disease: Rocky Mountain Spotted Fever
		i. Reservoir
		Transovarian Route
		ii Vector - Dog tick
		iii Control

8. West Nile Virus

Use the following web site for supportive information:

http://www.cdc.gov/ncidod/dvbid/westnile/index.htm

- A. Reservoir
- B. Vector
- C. Disease
- D. Control