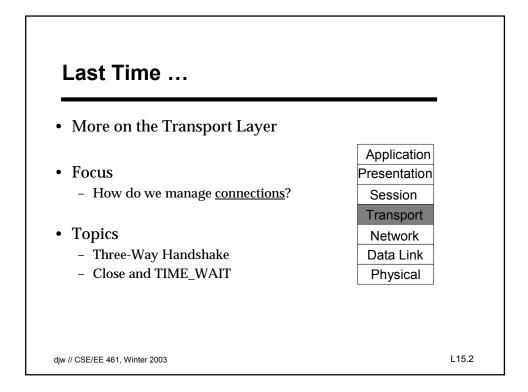
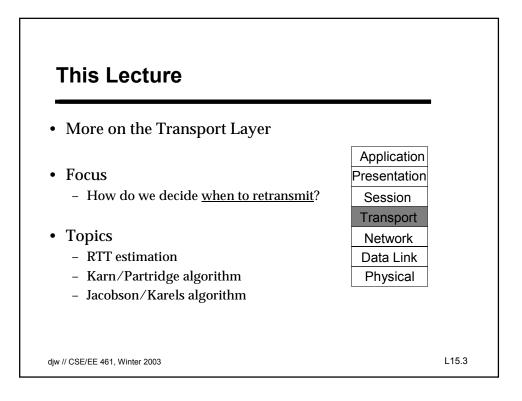
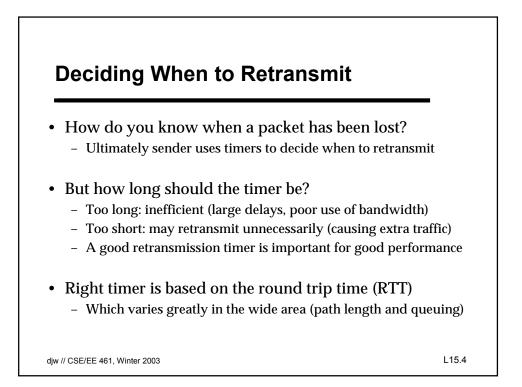
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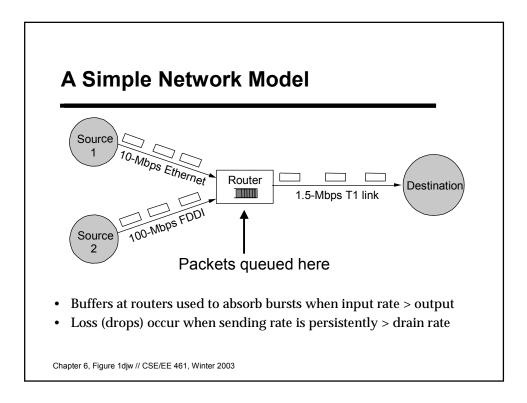
Retransmission and Timers

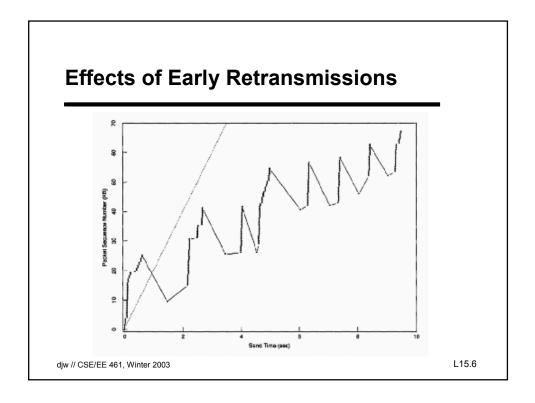
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- In the limit, early retransmissions lead to <u>congestion</u> collapse
 - Sending more packets into the network when it is overloaded exacerbates the problem of congestion
 - Network stays busy but very little useful work is being done
- This happened in real life ~1987
 - Led to Van Jacobson's TCP algorithms, which form the basis of congestion control in the Internet today

[See "Congestion Avoidance and Control", SIGCOMM'88]

djw // CSE/EE 461, Winter 2003

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L15.7
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