

## Q2: RTP timestamp and seqno

## • Timestamp

- logic sample counter (e.g., 8KHz 20ms audio)
- synchronization within a stream
- when missing: e.g., silence; when duplicated?

## • Sequence number

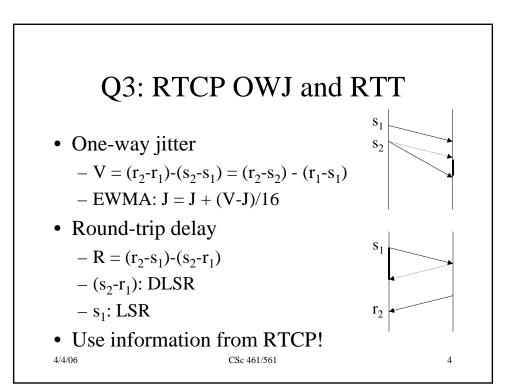
- consecutive packet counter
- when missing: packet losses; when duplicated?

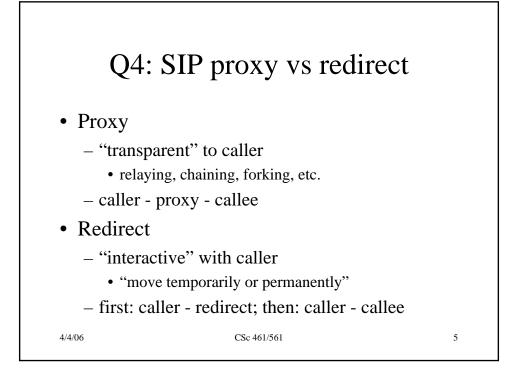
CSc 461/561

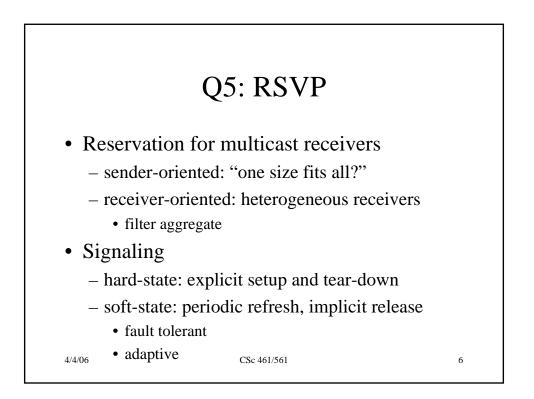
3

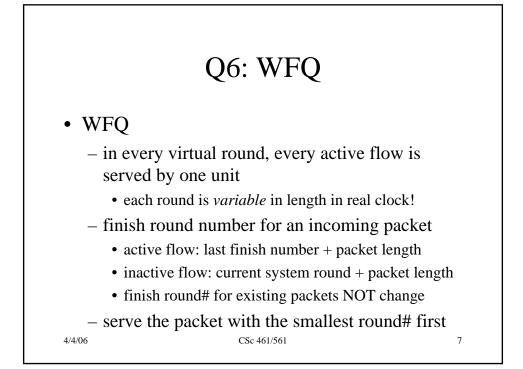
• Why we need both?

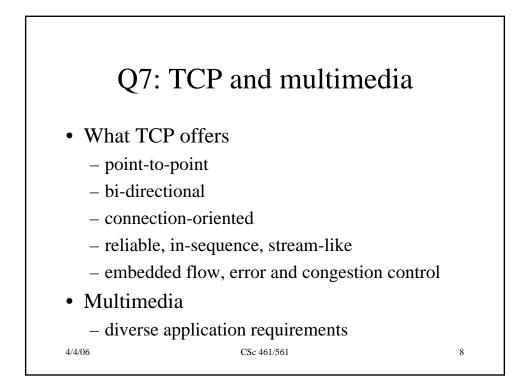
4/4/06











## Q8: error detection

- Little endian vs big endian
  bits in big endian format on wire!
- CRC
  - remainder with regard to generator polynomial
- TCP/IP-style checksum
  - one's complement of one's complement sum

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- carry bit!

• CRC vs checksum

