Outline for February 1, 2001

1. Greetings and felicitations!
   a. Friday times good, also Tuesday 3-4:30. Please send me your preferences!
2. Clocks
   b. Vector clocks and causal relation
   c. ordering of messages so you receive them in the order sent
      i. why
      ii. for broadcast (ISIS): Birman-Schiper-Stephenson
      iii. for point to point: Schiper-Eggli-Sandoz
3. Global state
   a. Show problem of slicing state when something is in transit
   b. Define local state; $send(m_{ij}) \in LS_i$ iff time of $send(m_{ij})$ < current time of LS_i; similar for receive
   c. transit(LS_i, LS_j); inconsistent(LS_i, LS_j); consistent state is one with inconsistent set empty for all pairs LS_i, LS_j
   d. Consistent global state: Chandry-Lamport
4. Termination detection
   a. Haung