**Project Overview**

- **Device network architecture**
  - Decentralized, robust, distributed
- **Resource discovery, mobility, location awareness**
  - Intentional Naming System (INS)
  - Cricket location-support system
- **Apps:** *Floorplan* and *Camera* and *Active Map* (mobile camera service) and *Jukebox*.
Progress Through June 2000 (from January 2000)

- **Implementation of Cricket v1.0**
  - Technology based on RF + ultrasound
  - Preserves user-privacy; low cost
- **Self-configuring overlays in INS**
- **Design of Migrate, a purely end-to-end mobility architecture**
  - Dynamic name updates to track hosts
  - Secure connection migration for mobility
Research Plan for the Next Six Months

• Integrate active map app with Cricket
  - Other pervasive computing applications
• Implement and evaluate

• Power consumption and scalability experiments with Cricket
• Evaluation of wide-area service discovery using INS