E. Theses in preparation:

- Schell, Roger W. "Dynamic Reconfiguration of a Computer Utility," Sc.D., February, 1971 (est.)
- Frankston, R., "A Limited Service System on Multics,", S.B., June, 1970.

F. Papers in preparation:

- Ossanna, J. F., and Saltzer, J. H., "Human and Technical Factors in connecting terminals to a computer system," submitted to 1970 FJCC.
- G. Potential papers for which work is essentially complete:
 - 1. Traffic controller organization and block/wakeup primitives.
 - Multi-processor locking strategies; Bensoussan's deadlock avoidance algorithm.
 - 3. Full ring protection hardware with automatic gate crossing.
 - 4. Observations on the minimum mechanism required to support a process.
 - 5. EPL: the subset and the compiler.
 - Techniques of achieving I/O independence. (I/O switch, etc.)
 - 7. Techniques for communication between ASCII and EBCDIC computers.
 - 8. Magnetic tape reliability techniques.
 - User control and administrative facilities of a computer utility.
 - 10. File system reliability measures in Multics.
 - 11. Dynamic linking and binding in Multics.
 - 12. Hash code algorithms in a virtual memory environment.
 - 13. Desirable aspects of a console command language.
 - 14. Assembler organization for pure procedure, stack environment.

- 15. Interactive editor systems in Multics.
- 16. Segment management and library search strategies.
- 17. A simplified model of Multics. (Clics)
- 18. Large system development tools and techniques.
- 19. Library, consolidation, and system maintenance pattern for a large system using a large system.
- 20. Summary of surveillance, privacy, and protection mechanisms in Multics.
- 21. Management of information system development: the Multics experience.
- 22. Research frontiers in information systems.
- H. Potential papers for which work still is in progress:
 - 1. Interprocess communication, 1970/71 version.
 - 2. The CIMPL language for information system implementation.
 - Long computations and absentee users in an interactive system.
 - 4. Multiprogramming, page selection, scheduling, and pre-paging algorithms in Multics, and their interactions.
 - Multilevel and detachable storage in the virtual memory environment.
 - 6. Dynamic reconfiguration of the computer utility.
 - 7. Input/output buffering in information systems.
 - 8. Console concentration and multiplexing in the computer utility.