Preface

This report presents DSN progress in flight project support, TDA research and technology, network engineering, hardware and software implementation, and operations. Each issue presents material in some, but not all, of the following categories in the order indicated:

Description of the DSN

Mission Support
- Interplanetary Flight Projects
- Planetary Flight Projects
- Manned Space Flight Projects
- Advanced Flight Projects

Radio Science

Supporting Research and Technology
- Tracking and Ground-Based Navigation
- Communications, Spacecraft/Ground
- Station Control and Operations Technology
- Network Control and Data Processing

Network Engineering and Implementation
- Network Control System
- Ground Communications
- Deep Space Stations

Operations and Facilities
- Network Operations
- Network Control System Operations
- Ground Communications
- Deep Space Stations
- Facility Engineering

In each issue, the part entitled "Description of the DSN" describes the functions and facilities of the DSN and may report the current configuration of one of the five DSN systems (Tracking, Telemetry, Command, Monitor and Control, and Test and Training).

The work described in this report series is either performed or managed by the Tracking and Data Acquisition organization of JPL for NASA.