# EMR® REAL-TIME DATA ACQUISITION AND PROCESSING SYSTEM (RDAPS)



- High-speed, versatile telemetry front-end provides synchronization even under adverse conditions.

- Powerful computer and high-speed pre-processor give real-time flight data in meaningful formats.

- Flexible, expandable hardware and software architectures guarantee long, useful life.

- Simple menu-based operation makes it possible for flight analysts to use the system with minimum training.

- Fast-access disk storage gives "instant-replay" capability for review of data from each maneuver before proceeding.

- System, even including computer, is van-mounted for support of testing at remote locations.

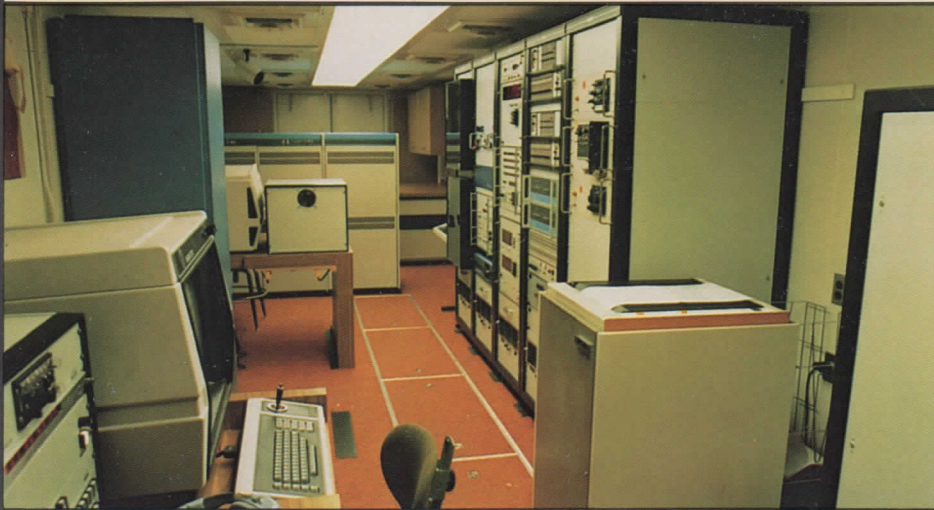# FAIRCHILD WESTON SYSTEMS INC.

FAIRCHILD WESTON
Schlumberger

*Excellence in Defense Systems Technology...Worldwide*

# EMR RDAPS DESCRIPTION

The EMR Real-Time Data Acquisition and Processing System (RDAPS) is a multifaceted flight test tool, with operations focused on obtaining analytical results during a test for mission control and report generation.

RDAPS delivers RESULTS
  not intermediate data
RDAPS is designed for FLEXIBILITY
  in hardware and software
RDAPS provides for UNIFICATION
  of tasks
  of man and machine
RDAPS provides CAPABILITY
  for telemetry data handling
  for user interface
  for analysis
  for total mission support

Fairchild Weston has produced a successful system design thats proved up to the challenge of today's and tomorrow's telemetry industry, and the U.S. Army Aviation Engineering Flight Activity took delivery of two RDAPS systems in 1982. In a technical paper presented to the American Helicopter Society of Flight Test Engineers, Mr. Richard B. Lewis, Technical Director of the U.S. Army Aviation Research and Development Command described the RDAPS concepts as "the most advanced system in the world for this type of real-time flight testing."