COMPUTER SCIENTISTS
Several openings are available with client companies involving a wide range of programs ranging from applied research to architectural concepts in advanced state-of-the-art computer systems technologies. The qualified applicants will be independent thinkers and will possess the initiative and capability to lead professionals in the development of software specifications. An M.S. or Ph.D. in computer science, electrical engineering, or mathematics is required. Applicants must have the ability to anticipate problems and conceptualize solutions in the following areas:

**REAL TIME PROCESSING** • **NETWORKING: COMMUNICATIONS** • **ARPANET DECNET TELNET** • **MESSAGE ORIENTED SYSTEMS** • **DISTRIBUTED COMPUTERS**—Microprocessors, Loosely Coupled Virtual Machines

These key positions require demonstrated ability and adaptability to work with a wide range of mini-computer executive/operating systems at the conceptual, planning, design, and implementation stages.

**DIAGNOSTIC PROGRAMMERS** to 28K
Design, develop, implement, and debug sophisticated diagnostic programs, test software and procedures. Will be developing fault isolation diagnostics for various situations involving real time process control, communications, interactive graphics systems, M.S. or Ph.D. in electrical engineering or computer science (or equivalent experience) required with thorough knowledge of operating systems, including 2-7 years assembly language for DEC, Data General, Prime, or Interdata minis. Applicant should have ability to lead others in diagnostic software developments. Familiarity with hardware desirable. Positions involve work with:

- CPU Memory Diagnostics
- Floating Point Processors Diagnostics
- Disc Peripheral Design Diagnostics

**CPU DESIGN ENGINEERS** to 25K
BSEE/CS plus 2 years of digital design experience closely related to digital computers (large mainframes or minicomputers) or microprocessor systems. Applicants should have an understanding of software, particularly assembly language, plus one higher level language such as FORTRAN or PL1. Any experience in microprogramming or use of timesharing systems would be an asset.

**LOGIC DESIGN ENGINEERS** to 24K
BSEE with 3 years design experience in peripheral device controllers and interfaces. Mini or microcomputer interface design is most important. Floppy disc, PDP-11, NOVA, and 8080 experience is most helpful.

**REAL-TIME DEVELOPMENT** to 24K
Systems software design on real-time minicomputer systems. Previous experience with terminal control, message switching, interpretive languages and disc applications desirable. Specific assignments include writing design specifications, flow charting, coding, debugging, documenting, and testing new software.

Ideal candidates should have B.S. in computer science or electrical engineering with 2+ years experience using PDP-11, Nova with assembly language, RT-11, RSX-11M, or RDOS.

**SENIOR SYSTEMS PROGRAMMERS/ANALYSTS** to 28K
PDP-11/70 timesharing systems development. Must be capable of assuming technical responsibility for design, development, updating and maintenance of systems software and end user support. Must possess B.S. in computer science or electrical engineering and extensive PDP-11 systems programming experience, including 2-5 years in real-time, multi-testing systems such as SYSGENS, MACRO-11, UNIX, RSX-11M, and FORTRAN IV.

**CPU Microprogrammers** to mid 20s
BSEE/CS or BA math or equivalent, with experience in assembly language programming or microprogramming. Junior and senior positions available. Applicants will be involved in central processor architectural design of small to medium scale systems with special emphasis on microcoded features.

CALL (617) 273-2130
OUR STAFF WILL BE AVAILABLE MONDAY THRU THURSDAY EVENINGS UNTIL 8 P.M.

R.O.I. Resources Objectives, Inc.
Management Consultants