

TO MATHEMATICIANS

*who would affiliate with an
expanding scientific community*



**AFFORDS AN OPPORTUNITY
TO MAKE CREATIVE
CONTRIBUTIONS IN THE
DESIGN AND DEVELOPMENT
OF LARGE-SCALE SYSTEMS**

Formed under the sponsorship of the Massachusetts Institute of Technology, with a professional staff nucleus of the men who designed and developed the SAGE System, it is MITRE's responsibility to provide the required scientific and engineering services for the integration of air defense systems.

Inherent within this continuing system engineering task is an opportunity for mathematicians to range widely across their discipline and explore new mathematical areas applicable to computer-based systems operating in real time. Immediate career openings are available for individuals with qualifications prerequisite to making important individual contributions in these areas:

- Operations Research and Analysis
- Applied Mathematics
- Computer Design and Analysis
- Communication Theory
- Game Theory
- Field Theory
- Logic
- Mathematical and Numerical Analysis
- Probability Theory
- Statistics
- Programming Research
- Mathematical Model Building
- Computer Programming

Conveniently located in suburban Boston, MITRE's modern facilities afford mathematicians some of the most up-to-date computer equipment obtainable: Two large-scale, high-speed digital computers — the IBM 704 and an experimental SAGE AN/FSQ-7. These machines will soon be augmented by an IBM 7090 and a solid state SAGE computer.

Equally challenging openings exist at MITRE's additional computer facilities in Fort Walton Beach, Florida and Montgomery, Alabama.

*To arrange an immediate confidential interview please send resume to
Dana N. Burdette, Personnel Director*

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A brochure more fully describing MITRE and its activities is available on request.