



## Smithsonian Institution

*Smithsonian National Air and Space Museum Archives*

### Technology Review, November 1961

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## THE BREADTH AND DEPTH OF MELPAR: PROJECT PROBE

[[image]]

Project Probe consists of the division of research activity that slices horizontally through the areas of pure and applied physical, biological and engineering sciences. The basic philosophy of the program rests on the premise that only by such cross-disciplinary investigations and by a deep penetration into the fundamentals of science will true advances in electronics be forthcoming.

Melpar Project Probe is not restricted to a fixed family of products, but aims at expansion of knowledge and improvement of capability.

Melpar is seeking scientists and engineers with creative ability and scientific curiosity to participate in any one of the areas of this Probe.

Scientists and engineers who are interested in participating in MELPAR: PROJECT PROBE, are invited to write to F. J. Drummond, 3339 Arlington Boulevard, Falls Church, Virginia.

### INDICATIVE OF THE AREAS OF ACTIVITY PRESENTLY BEING PURSUED IN PROJECT PROBE ARE:

Bionics  
Basic Metallurgy  
Basic Ceramics  
Crystal Physics  
Cryogenics  
Communication Research  
Data Processing Research  
High Temperature Measurements  
High Pressure Physics  
Logic Connectives  
Mathematical Circuit Synthesis  
Mathematics  
Pattern Recognition  
Physical Chemistry  
Organic Chemistry  
Semiconductor Physics  
Radiochemistry  
Thin Film Physics  
Inorganic Chemistry  
Lasers  
Speech Compression  
Infra-Red Research

Heterogeneous Reactions  
Electrochemistry  
Millimeter Wave Research  
Neurophysics  
Acoustics  
Stellar Phenomenon  
NMR  
Solid State Physics  
Magnetohydrodynamics  
Adaptive Programming

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Bionics	Heterogeneous Reactions
Basic Metallurgy	Electrochemistry
Basic Ceramics	Millimeter Wave Research
Crystal Physics	Neurophysics
Cryogenics	Acoustics
Communication Research	Stellar Phenomenon
Data Processing Research	NMR
High Temperature Measurements	Solid State Physics
High Pressure Physics	Magnetohydrodynamics
Logic Connectives	Adaptive Programming
Mathematical Circuit Synthesis	Microbiology
Mathematics	Monowave Optics
Pattern Recognition	Ecology
Physical Chemistry	Upper Atmosphere Physics
Organic Chemistry	Optics
Semiconductor Physics	Seismography
Radiochemistry	Electromagnetics
Thin Film Physics	ESR
Inorganic Chemistry	Lasers
Lasers	Biotechnology
Speech Compression	Biophysics
Infra-Red Research	Biology

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THE TECHNOLOGY REVIEW

Microbiology  
Microwave Optics  
Enzymology  
Upper Atmosphere Physics  
Optics  
Oceanography  
Electromagnetics  
ESR  
Masers  
Biochemistry  
Biophysics  
Biology

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