

**Distributed by OTS in the Interest of Industry
With the Cooperation of the
Originating Agency**

This report is a reproduction of an original document resulting from Government-sponsored research. It is made available by OTS through the cooperation of the originating agency. Quotations should credit the authors and the originating agency. No responsibility is assumed for completeness or accuracy of this report. Where patent questions appear to be involved, the usual preliminary search is suggested. If copyrighted material appears, permission for use should be requested of the copyright owners. Any security restrictions that may have applied to this report have been removed.

**U. S. DEPARTMENT OF COMMERCE
OFFICE OF TECHNICAL SERVICES
WASHINGTON 25, D. C.**

gpo 16-71256-1

**OTS—U.S.
Dept. of Commerce**