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Space Science Laboratory, Science & Engineering Directorate

January 1983

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16. ABSTRACT This edition of the Materials Processing in Space (MPS) Bibliography is a compilation of Government reports, contractor reports, conference proceedings, and journal articles dealing with flight experiments utilizing a low-gravity environment to elucidate and control various processes or with ground-based activities that provide supporting research. It encompasses literature published but not cited in the first bibliography and that literature which has been published in the past year. Subdivisions of the bibliography include six major categories: Crystal Growth; Solidification of Metals, Alloys, and Composites; Fluids, Transports, and Chemical Processes; Glasses and Ceramics; Ultrahigh Vacuum and Containerless Processing Technologies; Combustion, in addition to a list of patents and appendices providing a compilation of anonymously authored collections and reports and a cross reference index.					
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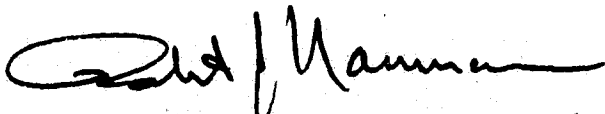
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PREFACE

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All papers referenced are on file in the Space Processing Division at Marshall Space Flight Center. Copies can be made available to workers in the field upon request to the bibliographer.

Any omissions that might have occurred are sincerely regretted. Investigators are encouraged to submit information on any work that was inadvertently omitted or any new work to the bibliographer for inclusion in next year's edition of the bibliography. All correspondence concerning corrections, additions, or deletions to the Materials Processing in Space Bibliography should be directed to:
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Materials Processing in Space Program

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1. MATERIALS PROCESSING IN SPACE PROGRAM

A. U.S. PROGRAM

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