Microgravity Science and Applications Bibliography

1987 Revision

SEPTEMBER 1988
Microgravity Science and Applications Bibliography

1987 Revision

NASA Office of Space Science and Applications
Washington, D.C.
This edition of the Microgravity Science and Applications (MSA) Bibliography is a comprehensive compilation of government reports, contractor reports, conference and symposia proceedings, and journal articles dealing with flight experiments utilizing a low-gravity environment to elucidate and control various processes, and with ground-based activities that provide supporting research. It encompasses literature published but not cited in the 1986 Revision, and literature published during the 1987 and 1988.

All papers are on file and copies can be made available to workers in the field on request to the bibliographer.

Any omissions that might have occurred are sincerely regretted. Investigators are encouraged to submit to the bibliographer, information on any work that was inadvertently omitted, or any new work, for inclusion in next year's edition of the Bibliography. All correspondence concerning corrections, additions, or deletions to the Microgravity Science and Applications Bibliography should be directed to: Ms. Elizabeth Pentecost, USRA, Suite 303, 600 Maryland Ave., SW, Washington, DC 20024.

The Microgravity Science and Applications Division wishes to thank the Universities Space Research Association (USRA) and in particular Ms. Elizabeth Pentecost, for her efforts in the compilation and publication of this report.

Robert J. Naumann, Acting Director
Microgravity Science and Applications Division
## CONTENTS

Microgravity Science and Applications Program .................................................................................................................. 1

A. U.S. Program .............................................................................................................................................................................. 3

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Materials</td>
<td>5</td>
</tr>
<tr>
<td>Metals, Alloys and Composites</td>
<td>9</td>
</tr>
<tr>
<td>Fluid Dynamics and Transport Phenomena</td>
<td>18</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>24</td>
</tr>
<tr>
<td>Glasses and Ceramics</td>
<td>31</td>
</tr>
<tr>
<td>Combustion Science</td>
<td>34</td>
</tr>
<tr>
<td>Experimental Technology and Instrumentation</td>
<td>36</td>
</tr>
<tr>
<td>General Studies and Surveys</td>
<td>38</td>
</tr>
</tbody>
</table>

B. European Program ........................................................................................................................................................................... 39

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Materials</td>
<td>41</td>
</tr>
<tr>
<td>Metals, Alloys and Composites</td>
<td>42</td>
</tr>
<tr>
<td>Fluid Dynamics and Transport Phenomena</td>
<td>43</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>50</td>
</tr>
<tr>
<td>Glasses and Ceramics</td>
<td>51</td>
</tr>
<tr>
<td>Experimental Technology and Instrumentation</td>
<td>52</td>
</tr>
<tr>
<td>General Studies and Surveys</td>
<td>53</td>
</tr>
</tbody>
</table>
MICROGRAVITY SCIENCE AND APPLICATIONS PROGRAM
A. U.S. PROGRAM


Wiedemeier, H. and Trivedi, S. B., Whiteside, R. C., and Palosz, W., "The Heat of Formation of Mercury Vacancies in Hg$_{0.8}$Cd$_{0.2}$Te," *J. Electrochem. Soc.*, 133, 2399 (1986).


Wiedemeier, H. and Palosz, W., "Response to the Comment by R.F. Brebrick on the Paper by H. Wiedemeier et al. entitled, 'The Heat of Formation of Mercury Vacancies in Hg$_{0.8}$Cd$_{0.2}$Te," *J. Electrochem. Soc.*, in press.

Metals, Alloys, and Composites


Glasses and Ceramics


Combustion Science


General Studies and Surveys


Microgravity Materials Science Laboratory, Laboratory Description and Scientist and Engineer's Application Procedures for its Use, NASA Lewis Research Center, June 1987.
B. EUROPEAN PROGRAM
Electronic Materials


Metals, Alloys, and Composites


Fluid Dynamics and Transport Phenomena


Glasses and Ceramics


Experimental Technology


General Studies


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