NASA/Langley Scientific and Technical Information Output—1998

Harriet B. Machie and Susan H. Stewart, Compilers
Langley Research Center, Hampton, Virginia

February 1999
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Preface

This report contains a listing of the NASA Langley Research Center’s publicly available scientific and technical research output for C.Y. 1998.

The intent of this report is to provide a greater awareness of the broad scope of results and the importance of the research and development work conducted by scientists and engineers at Langley. This current awareness is mandated by the National Aeronautics and Space Act of 1958, which provides for the widest practical dissemination of NASA research.

Introduction

The NASA Langley Research Center is one of the Nation’s leading laboratories for research and development in the sciences of aeronautics and space technology. Langley conducts basic and applied research in the areas of Airframe Systems, Aerodynamics, Atmospheric Science, and Structures and Materials.

This document contains a bibliography of Langley’s publicly available scientific and technical research output for 1998 which is processed through the Center’s Information Systems and Services Division, an integral part of NASA’s Agency-wide Scientific and Technical Information (STI) system. The results of Langley’s research are disseminated in a variety of NASA and non-NASA scientific and technical media and information systems. This document is intended to be a reference summary for researchers and a current awareness publication for the scientific, research, and academic community. Details of the availability of the research references in this document are found in the section, “Availability,” on page vii.


The citations are grouped by the Scientific and Technical Aerospace Reports (STAR) subject categories and listed alphabetically by author or innovator. The Langley organization to which the senior author or innovator is assigned and the Research and Technology Objectives and Plans (RTOP) number are noted below citations when appropriate and included in the indexes.

Patents listed are those which were issued in 1998 and owned by Langley Research Center.

Publication of some journal articles was not known at press time for the 1997 issue of this document. These articles are therefore listed in the 1998 issue.
## Availability

<table>
<thead>
<tr>
<th>Category</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA Reports</td>
<td>NASA Center for AeroSpace Information (CASI)</td>
</tr>
<tr>
<td></td>
<td>7121 Standard Drive</td>
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<tr>
<td></td>
<td>5285 Port Royal Road</td>
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<tr>
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<td>Springfield, VA 22161-2171</td>
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<td></td>
<td>(703) 605-6000</td>
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<tr>
<td>Patents:</td>
<td>Commissioner of Patents and Trademarks</td>
</tr>
<tr>
<td>Patent Application Specifications</td>
<td>NASA Center for AeroSpace Information (CASI)</td>
</tr>
<tr>
<td></td>
<td>National Technical Information Service (NTIS)</td>
</tr>
<tr>
<td>Printed Copies</td>
<td>Commissioner of Patents and Trademarks</td>
</tr>
<tr>
<td></td>
<td>U.S. Patent and Trademark Office</td>
</tr>
<tr>
<td></td>
<td>Washington, DC 20231</td>
</tr>
</tbody>
</table>
# Contents

Preface ................................................................. iii
Introduction ......................................................... v
Availability ............................................................. vii

## Aeronautics

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Aeronautics (General)</td>
<td>1</td>
</tr>
<tr>
<td>02 Aerodynamics</td>
<td>3</td>
</tr>
<tr>
<td>03 Air Transportation and Safety</td>
<td>9</td>
</tr>
<tr>
<td>04 Aircraft Communications and Navigation</td>
<td>12</td>
</tr>
<tr>
<td>05 Aircraft Design, Testing and Performance</td>
<td>12</td>
</tr>
<tr>
<td>06 Aircraft Instrumentation</td>
<td>17</td>
</tr>
<tr>
<td>07 Aircraft Propulsion and Power</td>
<td>17</td>
</tr>
<tr>
<td>08 Aircraft Stability and Control</td>
<td>18</td>
</tr>
<tr>
<td>09 Research and Support Facilities (Air)</td>
<td>22</td>
</tr>
</tbody>
</table>

## Astronautics

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Astrodynamics</td>
<td>23</td>
</tr>
<tr>
<td>15 Launch Vehicles and Space Vehicles</td>
<td>23</td>
</tr>
<tr>
<td>16 Space Transportation</td>
<td>25</td>
</tr>
<tr>
<td>17 Space Communications, Spacecraft Communications, Command and Tracking</td>
<td>25</td>
</tr>
<tr>
<td>18 Spacecraft Design, Testing and Performance</td>
<td>25</td>
</tr>
<tr>
<td>19 Spacecraft Instrumentation</td>
<td>29</td>
</tr>
<tr>
<td>20 Spacecraft Propulsion and Power</td>
<td>29</td>
</tr>
</tbody>
</table>

## Chemistry and Materials

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 Chemistry and Materials (General)</td>
<td>29</td>
</tr>
<tr>
<td>24 Composite Materials</td>
<td>29</td>
</tr>
<tr>
<td>25 Inorganic and Physical Chemistry</td>
<td>36</td>
</tr>
<tr>
<td>26 Metallic Materials</td>
<td>36</td>
</tr>
<tr>
<td>27 Nonmetallic Materials</td>
<td>41</td>
</tr>
<tr>
<td>28 Propellants and Fuels</td>
<td>47</td>
</tr>
<tr>
<td>29 Materials Processing</td>
<td>48</td>
</tr>
</tbody>
</table>

## Engineering

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 Engineering (General)</td>
<td>48</td>
</tr>
<tr>
<td>32 Communications and Radar</td>
<td>48</td>
</tr>
<tr>
<td>Category 33 Electronics and Electrical Engineering</td>
<td>49</td>
</tr>
<tr>
<td>Category 34 Fluid Mechanics and Heat Transfer</td>
<td>50</td>
</tr>
<tr>
<td>Category 35 Instrumentation and Photography</td>
<td>58</td>
</tr>
<tr>
<td>Category 36 Lasers and Masers</td>
<td>60</td>
</tr>
<tr>
<td>Category 38 Quality Assurance and Reliability</td>
<td>62</td>
</tr>
<tr>
<td>Category 39 Structural Mechanics</td>
<td>62</td>
</tr>
</tbody>
</table>

**Geosciences**

| Category 42 Geosciences (General) | 66 |
| Category 43 Earth Resources and Remote Sensing | 68 |
| Category 45 Environment Pollution | 69 |
| Category 46 Geophysics | 70 |
| Category 47 Meteorology and Climatology | 76 |

**Life Sciences**

| Category 52 Aerospace Medicine | 87 |
| Category 53 Behavioral Sciences | 87 |
| Category 54 Man/System Technology and Life Support | 88 |

**Mathematical and Computer Sciences**

| Category 59 Mathematical and Computer Sciences (General) | 88 |
| Category 60 Computer Operations and Hardware | 89 |
| Category 61 Computer Programming and Software | 91 |
| Category 62 Computer Systems | 93 |
| Category 63 Cybernetics | 93 |
| Category 64 Numerical Analysis | 94 |
| Category 65 Statistics and Probability | 100 |
| Category 66 Systems Analysis | 100 |

**Physics**

| Category 70 Physics (General) | 100 |
| Category 71 Acoustics | 101 |
| Category 72 Atomic and Molecular Physics | 106 |
| Category 73 Nuclear and High-Energy Physics | 109 |
| Category 74 Optics | 109 |
| Category 76 Solid-State Physics | 110 |
| Category 77 Thermodynamics and Statistical Physics | 112 |
Social Sciences

Category 80 Social Sciences (General) ........................................ 112
Category 82 Documentation and Information Science ..................... 113
Category 83 Economics and Cost Analysis ................................... 114

Space Sciences

Category 88 Space Sciences (General) ........................................ 114
Category 91 Lunar and Planetary Exploration ............................... 115
Category 92 Solar Physics .......................................................... 115
Category 93 Space Radiation ....................................................... 115

General

Category 99 General ............................................................... 118

Author Index ............................................................................. 119
Organization Index ................................................................. 135
RTOP Index .............................................................................. 139
Scientific and Technical Publications

Aeronautics

Category 01 Aeronautics (General)

   Organization K                  RTOP 538-08-11

   Organization K                  RTOP 538-08-11

   Organization K                  RTOP 538-08-11

   Organization K                  RTOP 538-04-14

   Organization K                  RTOP 538-04-14

   Organization K                  RTOP 538-08-11

Organization K RTOP 538-08-11


Organization K RTOP 538-08-11


Organization K RTOP 538-16-11


Organization K RTOP 538-08-11


Organization K RTOP 538-08-11


Organization K RTOP 538-08-11


Organization DM RTOP 538-22-18


Organization DF RTOP 538-05-15
   Organization K RTOP 538-16-11

   Organization K RTOP 538-08-11

   Organization B RTOP 522-31-31

   Organization B RTOP 522-31-31

   Organization A RTOP 282-10-01

Category 02 Aerodynamics

   Organization DF RTOP 522-31-41

   Organization DA RTOP 537-07-20
Organization DF RTOP 505-59-53

Organization DA RTOP 522-25-31

Organization DS RTOP 522-32-21

Organization DA RTOP 522-21-11

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DF RTOP 522-11-51

Organization DA RTOP 242-80-01
   Organization DA

   Organization DA

   Organization DA

   Organization DA

   Organization DF

   Organization DA

   Organization I

   Organization DA


Organization DA RTOP 522-25-31

Organization DA RTOP 522-22-11

Organization DF RTOP 538-05-15

Organization DF RTOP 522-32-31

Organization DF RTOP 505-59-53

Organization DF RTOP 522-31-61

Organization DA RTOP 522-21-11

Organization DF RTOP 538-03-12

Organization A RTOP 282-10-01

7


   Organization DA RTOP 538-05-14


   Organization DF RTOP 509-10-11


   Organization I RTOP 537-09-21


   Organization I RTOP 537-09-21


   Organization DA RTOP 242-80-01


   Organization DA RTOP 522-21-11


   Organization DA RTOP 522-21-51

Category 03 Air Transportation and Safety


   Organization A RTOP 282-10-01

9
Organization DC
RTOP 538-18-26

Organization DI
RTOP 538-04-13

Organization DI
RTOP 538-04-13

Organization A
RTOP 282-10-01

Organization DC
RTOP 538-04-11

Organization DC

Organization DC
RTOP 576-01-26

Organization DI
RTOP 538-04-13
Organization DI RTOP 538-04-13

Organization DC RTOP 538-04-11

Organization DC RTOP 522-14-11

Organization DI RTOP 522-14-21

Organization DC RTOP 538-04-11

Organization DC RTOP 522-14-11

Organization DC RTOP 538-04-11

Organization DI RTOP 538-04-13
Organization DI RTOP 538-04-13

Organization DI RTOP 538-04-13

Category 04 Aircraft Communications and Navigation

Organization DI RTOP 538-04-13

Organization DI RTOP 522-11-41

Organization DC RTOP 538-04-11

Category 05 Aircraft Design, Testing and Performance

Organization DS RTOP 522-22-21

Organization DA RTOP 581-10-11

Organization GH RTOP 522-32-21

Organization DS RTOP 581-10-11


Organization DF RTOP 509-10-11


Organization BA RTOP 522-41-11


Organization D RTOP 509-10-11


Organization D RTOP 509-10-11


Organization DF RTOP 509-10-11


Organization DS RTOP 522-21-51


Organization BA RTOP 522-41-11
Organization BA RTOP 537-07-21

Organization DS RTOP 522-32-41

Organization BA RTOP 522-41-11

Organization DC RTOP 522-33-11

Organization DS RTOP 522-25-31

Organization DS RTOP 522-25-31

Organization DS RTOP 522-22-21

Organization BA


Organization DS


Organization DF


Organization BA


Organization BA


Organization DS


Organization DS


Organization DS


Organization DS

Organization BA

Organization DS

Organization BA

Organization DS

Organization DS

Organization DS

Organization BA

Organization BA

Organization BA

Organization D


Organization D


Organization BA


Organization B


Organization DS


Organization DF


Organization DS
Organization DF RTOP 509-10-11

Organization DS RTOP 522-22-21

Organization DS RTOP 581-20-21

Organization DS RTOP 505-63-36

Organization DS RTOP 538-13-11

Category 06 Aircraft Instrumentation

Organization DC RTOP 555-14-11

Category 07 Aircraft Propulsion and Power

Organization LA RTOP 522-51-21
   Organization LA  RTOP 522-51-21

   Organization LA  RTOP 522-51-21

   Organization LA  RTOP 522-51-71

   Organization LA  RTOP 522-51-21

   Organization DA  RTOP 522-51-31

Category 08 Aircraft Stability and Control

   Organization DC  RTOP 522-35-11

   Organization DC  RTOP 522-35-11

   Organization DC  RTOP 522-35-11
Organization DC RTOP 522-32-11

Organization DC RTOP 522-21-61

Organization DC RTOP 522-22-41

Organization DC RTOP 522-33-11

Organization DC RTOP 522-33-11

Organization DC RTOP 522-33-11

Organization DC RTOP 522-21-61

Organization DC RTOP 522-33-11
Organization DC RTOP 522-22-21

Organization DC RTOP 522-32-11

Organization DC RTOP 522-33-11

Organization DC RTOP 522-21-61

Organization DC RTOP 522-31-61

Organization DC RTOP 505-68-30

Organization DC RTOP 522-22-41
   Organization DC RTOP 522-22-21

   Organization DC RTOP 522-21-61

   Organization DC RTOP 522-32-41

   Organization DC RTOP 522-15-11

   Organization DC RTOP 538-04-11

   Organization DC RTOP 522-32-11

   Organization DC RTOP 522-33-11
Organization DC  
RTOP 522-33-11

Organization DC  
RTOP 505-64-52

Organization DC  
RTOP 522-35-11

Category 09 Research and Support Facilities (Air)

Organization GG  
RTOP 522-25-41

Organization DA  
RTOP 522-31-51

Organization DA  
RTOP 242-80-01
Organization DA RTOP 522-31-51

Organization DA RTOP 522-31-51

Organization DF RTOP 992-20-03

Organization A RTOP 282-10-01

Astronautics

Category 13 Astrodynamics

Organization CB RTOP 963-89-00

Category 15 Launch Vehicles and Space Vehicles

Organization GK RTOP 258-70-21

Organization CB RTOP 865-10-03
Organization CB RTOP 896-10-00

Organization DS RTOP 242-33-01

Organization CB RTOP 865-10-03

Organization CB RTOP 242-33-03

Organization DS RTOP 242-23-10

Organization CB RTOP 242-33-01

Organization CB RTOP 865-10-01
Organization CB RTOP 242-33-01

Category 16 Space Transportation

Organization GK RTOP 956-17-00

Organization CB RTOP 242-20-08

Category 17 Space Communications, Spacecraft Communications, Command and Tracking

Organization DI RTOP 258-70-21

Organization DI RTOP 522-14-21

Organization DI RTOP 522-11-41

Category 18 Spacecraft Design, Testing and Performance

Organization GK RTOP 632-10-14
Organization GK RTOP 505-68-30

Organization CA RTOP 242-80-01

Organization DC RTOP 522-24-21

Organization CB RTOP 632-10-14

Organization DC RTOP 242-80-01

Organization DC RTOP 522-24-21

Organization DS RTOP 963-89-00

Organization DC RTOP 632-10-14
Organization DC RTOP 632-10-14

Organization DS RTOP 552-33-11

Organization DC RTOP 632-10-14

Organization DC RTOP 632-10-14

Organization DC RTOP 632-10-14

Organization DC RTOP 632-10-14

Organization DC RTOP 233-10-14

Organization DA RTOP 242-80-01
<table>
<thead>
<tr>
<th>Number</th>
<th>Entry</th>
</tr>
</thead>
</table>

Organization DS RTOP 632-20-21

**Category 19 Spacecraft Instrumentation**


Organization DS RTOP 632-10-14

**Category 20 Spacecraft Propulsion and Power**


Organization LA RTOP 522-51-71

**Chemistry and Materials**

**Category 23 Chemistry and Materials (General)**


Organization E RTOP 251-10-01


Organization DM

**Category 24 Composite Materials**


Organization DS RTOP 538-10-11
Organization DS RTOP 522-11-41

Organization DM RTOP 538-13-11

Organization DM RTOP 538-02-10

Organization DM RTOP 538-13-11

Organization DM RTOP 522-13-11

Organization DM RTOP 538-13-11

Organization DM RTOP 538-13-11

Organization DM

Organization DM  RTOP 581-10-21


Organization DM  RTOP 581-10-21


Organization DS  RTOP 522-11-41


Organization DM  RTOP 538-13-11


Organization DS  RTOP 505-63-87


Organization DM  RTOP 538-13-11


Organization DM  RTOP 522-32-11


Organization DM  RTOP 537-06-33
Organization DM RTOP 538-10-11

Organization DM RTOP 538-10-11

Organization DM RTOP 538-10-11

Organization DM RTOP 522-32-11

Organization DS RTOP 247-00-98

Organization DM RTOP 581-10-21

Organization DS RTOP 538-10-11

Organization DM RTOP 538-13-12
Organization DS  

Organization DM  

Organization DS  

Organization DM  

Organization DM  

Organization DM  

Organization DM  

Organization DM  

33

Organization DM


Organization DM RTOP 581-10-21


Organization GH RTOP 538-10-11


Organization DM RTOP 538-02-10


Organization DM RTOP 242-33-01


Organization DM


Organization DM RTOP 243-30-07


Organization DM RTOP 537-06-33


Organization DS
Organization DS RTOP 522-11-41

Organization DF RTOP 522-31-21

Organization DM RTOP 538-13-11

Organization DM RTOP 242-33-01

Organization DM RTOP 538-13-11

Organization DM RTOP 538-02-10

Organization DM RTOP 522-18-11

Organization DM RTOP 538-10-11
Organization DM  RTOP 522-32-11

Organization DS  RTOP 522-11-41

Organization DM  RTOP 632-10-14

Organization DM  RTOP 632-10-14

Organization DA  RTOP 522-41-31

Category 25 Inorganic and Physical Chemistry

Organization DA  RTOP 522-41-31

Category 26 Metallic Materials

Organization DM  RTOP 522-12-11
Organization DM RTOP 232-01-04

Organization DM RTOP 522-18-11

Organization DM RTOP 538-02-10

Organization DM RTOP 522-12-51

Organization DM RTOP 522-12-51

Organization DM RTOP 522-12-51

Organization DM RTOP 297-40-00

Organization DM RTOP 522-12-51

Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DF

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-11
Organization DM RTOP 538-02-10

Organization DM RTOP 297-40-00

Organization DM RTOP 297-40-00

Organization DM RTOP 522-18-11

Organization DM RTOP 522-12-51

Organization DM RTOP 522-12-51

Organization DM RTOP 251-10-00

Organization DM RTOP 522-12-11

Organization DM RTOP 242-20-05
   Organization DM RTOP 538-02-11

   Organization DM RTOP 538-02-11

   Organization DM RTOP 538-13-11

Category 27 Nonmetallic Materials

   Organization DM RTOP 505-63-50

   Organization DS RTOP 242-33-01

   Organization DM

   Organization DM RTOP 505-63-50

   Organization DM RTOP 505-63-50

Organization DM RTOP 522-32-11


Organization DM RTOP 537-06-32


Organization DM RTOP 537-06-32


Organization DM RTOP 537-06-32


Organization DM RTOP 537-06-32


Organization DM RTOP 505-63-50


Organization DM RTOP 505-63-50


Organization DM RTOP 537-06-32
Organization: DM, RTOP 522-32-11

Organization: DM, RTOP 505-63-50

Organization: DM, RTOP 522-24-11

Organization: DM, RTOP 522-32-11

Organization: DS, RTOP 242-33-01

Organization: DM, RTOP 505-63-50

Organization: GJ

Organization: DM, RTOP 538-02-11

Organization: DM, RTOP 537-06-32


Organization DS RTOP 242-33-01

Organization DM RTOP 522-32-11

Organization DM RTOP 522-21-11


Organization DM


Organization DM


Organization DF


Organization DM


Organization DS


Organization DS


Organization DM


Organization DM

Organization DM RTOP 537-06-32


Organization DM RTOP 522-24-11


Organization DM


Organization GJ


Organization DS RTOP 537-06-34


Organization DS RTOP 537-06-34


Organization DM RTOP 522-32-11


Organization DM

Category 28 Propellants and Fuels


Organization GH
Category 29 Materials Processing


Organization DM RTOP 242-20-05

Category 31 Engineering (General)


Organization DI RTOP 963-35-00


Organization B RTOP 522-12-51

Category 32 Communications and Radar


Organization D RTOP 522-31-21


Organization D RTOP 522-31-21


Organization DA RTOP 519-20-21

Category 33 Aerospace Science


Organization DI RTOP 522-11-41
   Organization DI RTOP 522-11-41

   Organization DI RTOP 522-11-41

   Organization DI RTOP 522-11-41

   Organization BA RTOP 522-22-71

   Organization DI

Category 33 Electronics and Electrical Engineering

   Organization DI RTOP 522-14-21

   Organization DI RTOP 522-24-21

   Organization DI RTOP 522-14-21
Organization GL RTOP 622-65-34

Category 34 Fluid Mechanics and Heat Transfer

Organization A RTOP 505-90-52

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization A RTOP 282-10-01

Organization A RTOP 282-10-01

Organization DF RTOP 522-31-61

Organization DA RTOP 242-80-01


51
Organization DS RTOP 242-33-03

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
Organization DF RTOP 522-31-61

Organization DF RTOP 522-31-61

Organization DF RTOP 522-31-61

Organization DF RTOP 538-05-15

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DF RTOP 505-59-50

Organization A RTOP 505-90-52


Organization A RTOP 505-90-52

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DA RTOP 522-51-31

Organization A RTOP 505-90-52
Organization A RTOP 505-90-52

Organization DA RTOP 522-51-31

Organization DF RTOP 522-31-61

Organization DF RTOP 522-31-61

Organization DF RTOP 522-31-61

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01
<table>
<thead>
<tr>
<th>No.</th>
<th>Author(s)</th>
<th>Title</th>
<th>Organization</th>
<th>Report No.</th>
<th>URL</th>
</tr>
</thead>
</table>
Category 35 Instrumentation and Photography

Organization GH RTOP 519-20-21

Organization DS RTOP 537-06-34

Organization GH RTOP 992-20-03

Organization GH RTOP 992-20-03

Organization GL RTOP 227-92-43

Organization GL RTOP 258-70-21

Organization GL RTOP 538-04-11

Organization DA RTOP 242-80-01
Organization GH RTOP 274-00-98

Organization GH RTOP 519-20-21

Organization GH RTOP 274-00-97

Organization GL RTOP 258-70-21

Organization GH RTOP 505-63-50

Organization GH RTOP 505-63-50

Organization GH RTOP 505-63-50

Organization GL RTOP 258-70-21

Organization GL RTOP 258-70-21


Category 36 Lasers and Masers


Organization DF  RTOP 519-20-21

Organization CA  RTOP 622-65-37

Organization DF  RTOP 538-03-12

Organization DF  RTOP 581-10-11

Organization DF  RTOP 581-10-11

Organization CA  RTOP 622-65

Organization CA  RTOP 622-29-26

Organization DI  RTOP 258-70-21
Category 38 Quality Assurance and Reliability

Organization DM RTOP 538-10-11

Organization DI RTOP 519-30-31

Organization DS RTOP 538-13-12

Category 39 Structural Mechanics

Organization DS RTOP 522-11-41

Organization DS RTOP 581-10-11

Organization DS RTOP 537-06-34

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Organization DS RTOP 522-11-41
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Organization DS RTOP 632-20-21

Organization DS

Organization DS RTOP 522-11-41

Organization DS RTOP 522-18-31

Organization DS RTOP 522-11-41

Organization DS RTOP 522-11-41

Organization DS RTOP 522-11-41
Organization DS RTOP 632-10-14

Organization DS RTOP 632-10-14

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DS RTOP 522-11-41

Organization D RTOP 509-10-31

Organization D RTOP 509-10-31

Organization DS RTOP 538-02-10
Organization DS RTOP 538-02-10

Organization K RTOP 538-03-12

Organization DS RTOP 522-11-41

Organization DS RTOP 538-02-10

Geosciences

Category 42 Geosciences (General)

Organization CA RTOP 622-63-34

Organization CA RTOP 622-63-13

Organization CA RTOP 249-00-96

66
Organization CA RTOP 622-63-13

Organization CA RTOP 622-63-13

Organization CA RTOP 613-34-01

Organization CA RTOP 622-63-13

Organization CA RTOP 622-63-13

Organization CA RTOP 249-00-96

Organization CA RTOP 622-09-13

Organization CA RTOP 622-63-13


Organization GL RTOP 665-45-20

Category 45 Environment Pollution

Organization CA RTOP 537-09-23

Organization CA RTOP 537-09-23

Organization CA RTOP 538-08-19

Organization CA RTOP 622-63-13

Organization CA RTOP 464-54-03

Organization CA RTOP 622-63-02

Organization CA RTOP 537-09-23

Organization CA RTOP 622-63-14

Category 46 Geophysics


Organization CA RTOP 621-45-20


Organization I RTOP 537-09-23


Organization I RTOP 538-08-16


Organization CA RTOP 621-25-05


Organization CA RTOP 370-21-08


Organization CA RTOP 370-21-08

Organization CA  RTOP 370-21-08


Organization CA  RTOP 370-21-08


Organization CA  RTOP 370-21-08


Organization CA  RTOP 621-45-20


Organization CA  RTOP 148-65-42


Organization CA  RTOP 665-25-31


Organization CA  RTOP 622-14-61


Organization CA  RTOP 464-32-02
Organization CA  RTOP 665-25-31

Organization CA  RTOP 274-00-97

Organization CA  RTOP 622-56-37

Organization CA  RTOP 622-14-61

Organization CA  RTOP 665-45-20

Organization CA  RTOP 274-00-96

Organization CA  RTOP 274-00-96

Organization CA  RTOP 146-90-04

Organization CA  RTOP 146-90-04
Organization CA RTOP 146-90-04

Organization CA RTOP 146-90-04

Organization CA RTOP 146-90-04

Organization CA RTOP 621-45-20

Organization CA RTOP 665-25-31

Organization CA RTOP 464-34-02

Organization CA RTOP 622-68-51

Organization CA RTOP 344-16-50

Organization CA RTOP 432-60-50


Organization CA RTOP 432-60-50


Organization I RTOP 538-08-16


Organization CA RTOP 622-44-42


Organization CA RTOP 622-56-37


Organization CA RTOP 621-45-20


Organization CA RTOP 621-45-20


Organization CA RTOP 655-25-31
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Organization CA RTOP 622-68-51

Organization CA RTOP 621-25-05

Organization CA RTOP 621-05-05

Organization CA RTOP 665-25-31

Organization CA RTOP 621-45-20

Organization CA RTOP 621-45-20
Organization CA RTOP 621-45-20

Organization CA RTOP 432-60-50

Category 47 Meteorology and Climatology

Organization CA RTOP 291-01-60

Organization CA RTOP 146-90-04

Organization CA RTOP 229-01-02

Organization CA RTOP 229-01-02

Organization CA RTOP 229-01-02

Organization CA RTOP 622-43-31


Organization CA RTOP 622-63-13


Organization CA RTOP 622-33-28


Organization CA RTOP 229-01-02


Organization CA RTOP 229-01-02


Organization CA RTOP 622-44-73


Organization CA RTOP 291-01-60


Organization CA RTOP 291-01-60

Organization CA


Organization CA


Organization CA


Organization CA


Organization CA


Organization CA


Organization CA
   Organization CA  RTOP 621-82-52

   Organization CA  RTOP 622-43-31

   Organization CA  RTOP 146-90-04

   Organization CA  RTOP 146-90-04

   Organization CA  RTOP 146-90-04

   Organization CA  RTOP 146-90-04

   Organization CA  RTOP 146-90-04


Organization CA RTOP 291-01-60


Organization CA RTOP 229-01-02


Organization CA RTOP 622-14-60


Organization CA RTOP 622-14-60


Organization CA RTOP 622-14-60


Organization CA RTOP 622-63-13


Organization CA RTOP 538-08-12


Organization CA RTOP 146-90-04
Organization CA RTOP 146-90-04

Organization CA RTOP 229-01-02

Organization CA RTOP 229-01-02

Organization CA RTOP 621-45-20

Organization CA RTOP 146-90-04

Organization CA RTOP 622-14-60

Organization CA RTOP 148-65-41

Organization CA RTOP 291-01-60


Organization CA

RTOP 622-43-31


Organization CA

RTOP 538-08-12


Organization CA

RTOP 460-44-41


Organization CA

RTOP 460-44-41


Organization CA

RTOP 146-90-04


Organization CA

RTOP 229-01-02


Organization CA

RTOP 538-08-12


Organization CA

RTOP 622-43-31

84
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Organization CA RTOP 229-01-02

Organization CA RTOP 229-01-02

Organization CA RTOP 538-08-12

Organization CA RTOP 229-01-02

Life Sciences

Category 52 Aerospace Medicine

Organization DM

Organization DM

Category 53 Behavioral Sciences

Organization DC RTOP 522-33-11
Category 54 Man/System Technology and Life Support

Organization DC RTOP 522-33-21

Mathematical and Computer Sciences

Category 59 Mathematical and Computer Sciences (General)

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DI RTOP 519-50-11

Organization DI RTOP 519-30-31

Organization DI RTOP 522-33-31

Organization DF RTOP 538-03-14

Organization DF RTOP 509-10-11
Organization GM
RTOP 509-10-53

Organization GM
RTOP 284-30-10

Category 60 Computer Operations and Hardware

Organization DI
RTOP 522-14-21

Organization DI
RTOP 522-14-21

Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DC RTOP 538-04-13

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DI RTOP 522-14-21
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DS RTOP 509-10-11

Organization DS RTOP 509-10-11

Category 61 Computer Programming and Software

Organization GL RTOP 258-70-21

Organization GM RTOP 548-10-11

Organization DI RTOP 538-04-22
Organization DI
RTOP 522-33-31

Organization DI
RTOP 505-64-10

Organization D
RTOP 509-10-11

http://amsd-www.larc.nasa.gov/marlowe/TACT/
Organization G K
RTOP 537-07-20

Organization DF
RTOP 509-10-11

Organization DF
RTOP 509-10-11

Organization DF
RTOP 509-10-11
Organization GP RTOP 522-14-31

Category 62 Computer Systems

Organization DI RTOP 519-50-11

Organization GH RTOP 537-06-35

Organization M RTOP 297-90-00

Organization GM RTOP 509-10-21

Category 63 Cybernetics

Organization DC RTOP 522-33-11

Organization DC RTOP 522-33-11

Organization DI RTOP 522-14-21

Category 64 Numerical Analysis


Organization A RTOP 505-90-52


Organization DF RTOP 522-31-81


Organization DF RTOP 509-11-10


Organization DF RTOP 522-31-81


Organization DF RTOP 509-11-10


Organization DF RTOP 509-10-11


Organization A RTOP 505-90-52
Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52

Organization A
RTOP 505-90-52

http://pumas.jpl.nasa.gov/inv/examples/07_10_98_1.pdf
Organization CA
RTOP 229-01-02

Organization A
RTOP 505-90-52
   Organization A         RTOP 505-90-52

   Organization A         RTOP 505-90-52

   Organization A         RTOP 505-90-52

   Organization DC        RTOP 538-07-11

   Organization DF        RTOP 509-10-11

   Organization A         RTOP 505-90-52

   Organization A         RTOP 505-90-52

   Organization A         RTOP 505-90-52
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52


Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
Category 65 Statistics and Probability

   Organization DI RTOP 522-33-31

Category 66 Systems Analysis

   Organization GM

   Organization DI RTOP 522-14-21

   Organization DI RTOP 522-14-21

Physics

Category 70 Physics (General)

   Organization DM RTOP 538-13-11

   Organization DM RTOP 538-13-11

   Organization DM RTOP 538-02-11
Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-11

Category 71 Acoustics

Organization DF RTOP 505-59-53

Organization DF RTOP 522-31-51

Organization DF RTOP 522-32-31

Organization DF RTOP 522-32-31

Organization DF RTOP 538-03-14
Organization DF RTOP 581-20-21

Organization DF RTOP 581-20-21

Organization DF RTOP 538-03-15

Organization DF RTOP 538-03-14

Organization DF RTOP 538-03-12

Organization DF RTOP 538-07-15

Organization DF RTOP 538-03-12

Organization DF RTOP 581-20-21

Organization DF RTOP 538-03-12
Organization DF RTOP 538-03-12

Organization DF RTOP 522-32-31

Organization DF RTOP 538-03-15

Organization DF RTOP 538-03-11

Organization DF RTOP 538-03-13

Organization DF RTOP 538-07-14

Organization DF RTOP 537-05-21

Organization DF RTOP 538-03-12
Organization DF RTOP 538-03-12

Organization DF RTOP 522-32-31

Organization DF RTOP 522-32-31

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-14

Organization DF RTOP 581-20-31

Organization GL

Organization DF RTOP 537-06-37
Organization DM
RTOP 522-18-11

Organization DF
RTOP 522-31-21

Organization DM
RTOP 522-18-11

Organization DF
RTOP 538-03-12

Organization DF
RTOP 538-03-14

Organization DF
RTOP 537-09-21

Organization DF
RTOP 538-03-12

Organization DF
RTOP 505-59-53

Organization DS RTOP 538-07-14


Organization DF RTOP 522-31-21


Organization DF RTOP 505-59-53


Organization DM RTOP 538-02-11


Organization DF RTOP 537-05-21


Organization GH RTOP 522-31-11

**Category 72 Atomic and Molecular Physics**


Organization CA RTOP 622-67-65


Organization CA RTOP 622-67-65


Organization CA RTOP 622-67-65

Category 73 Nuclear and High-Energy Physics


Organization DM RTOP 199-45-16

Category 74 Optics


Organization DM


Organization DM


Organization CA RTOP 622-29-26


Organization DM


Organization DM


Organization DM


Organization DM RTOP 242-33-01
Organization DM RTOP 242-33-01

Organization DM RTOP 242-33-01

Organization CA RTOP 622-65-34

Organization CA RTOP 622-65-34

Organization GL

Organization CA RTOP 622-65-34

Category 76 Solid-State Physics

Organization GL RTOP 538-04-01

Organization GL RTOP 258-70-21

Organization GL
Organization GL RTOP 258-70-21

Organization GL RTOP 258-70-21

Organization GL RTOP 258-70-21

Organization DM RTOP 522-32-11

Organization DM RTOP 505-63-50

Organization DM RTOP 522-32-11

Organization DM RTOP 632-20-21

Organization DM RTOP 956-17-00

Organization DM RTOP 956-17-00
Category 77 Thermodynamics and Statistical Physics

    Organization DM  RTOP 538-02-11

    Organization DM  RTOP 538-02-11

    Organization DM  RTOP 538-02-11

    Organization DM  RTOP 538-02-11

Social Sciences

Category 80 Social Sciences (General)

    Organization AE

    Organization DF  RTOP 509-10-11

    Organization AE
Organization AE

Organization AE

Organization GM

Organization GM

Organization AE

Organization GM

Organization GM
Organization GM

Organization AE RTOP 505-90

Organization GM

Organization GM

Category 83 Economics and Cost Analysis

Organization DM RTOP 538-07-12

Space Sciences

Category 88 Space Sciences (General)

Organization DI RTOP 233-03-03

Organization CC RTOP 227-92-43

Category 91 Lunar and Planetary Exploration


Category 92 Solar Physics


Category 93 Space Radiation


Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 962-21-00

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16


General

Category 99 General


Author Index

A

Abarbanel, S. A.: 724, 762
Abbott, K. H.: 69
Abbott, T. S.: 69
Abdol-Hamid, K. S.: 695
Abrams, M. C.: 448, 579
Ackerman, A. S.: 629, 662
Ackerman, T. P.: 613, 614, 639
Adams, M. B.: 7
Adey, R. A.: 705
Adler-Golden, S. M.: 572
Adumitroaie, V.: 383
Agte, J. S.: 118, 506
Aguirre, J. T.: 180
Albert, K. K.: 822
Alberta, T. L.: 589, 599, 600, 601, 602, 603, 604
Albrecht, B. A.: 614
Alderfer, D. W.: 366
Alexa, J. A.: 287
Alexandrov, N. M.: 20, 725, 726, 727, 728, 729
Allen, B. D.: 706
Allen, D. H.: 224, 257
Allen, J. M.: 21
Allinger, D. F.: 7
Alter, S. J.: 410, 423
Alter-Gartenberg, R.: 707
Alvarez, J. M.: 540
Ambur, D. R.: 217, 218, 244, 259, 268, 478, 491, 492, 512, 718
Amundsen, R. M.: 172, 182, 187
Anastasi, R. F.: 219, 231
Anders, J. B., Jr.: 22
Anderson, B. E.: 526, 532, 533, 538, 539
Anderson, W. K.: 22
Anon.: 679, 680, 910
Antill, C. W.: 454
Arbocz, J.: 479
Arbuckle, P. D.: 69
Arduino, R. F.: 579, 649
Argrow, B. M.: 57
Arian, E.: 730
Armstrong, C. D.: 482
Arnott, W.: 638

B

Asbury, S. C.: 23
Ashley, H.: 107
Atkins, H. L.: 778
Atkinson, D.: 889
Atwell, W.: 893, 895, 899
Austin, R. E.: 183
Ayers, J. K.: 590, 648
Babcock, P.: 1
Bacon, B. J.: 140
Badavi, F. F.: 895, 899
Badhwar, G. D.: 898, 899
Bagwell, D. R.: 532, 533
Bailey, M. C.: 184
Bailiff, F. F.: 364
Baker, D. J.: 480, 484
Baker, D. N.: 548
Balansis, C. A.: 185
Balla, R. J.: 779, 835
Ballin, M. G.: 70
Banks, D. W.: 38, 44
Banks, H. T.: 731
Barbe, A.: 553, 836
Barclay, R. O.: 872, 873, 880
Barker, B. C.: 853
Barker, H. W.: 635
Barker, L. K.: 71, 696
Barnes, J. L.: 554
Barnes, N. P.: 854, 855, 856, 857, 858
Barrick, J. D.: 532, 533
Bartels, R. E.: 24
Barthelemy, J-F.: 95, 161, 911
Bartlett, K.: 537
Bartram, S. M.: 470
Barut, A.: 481
Barwell, C. A.: 220
Baty, R. S.: 789
Baucom, R. M.: 365
Bauer, S. X.: 25, 68
Baughcum, S. L.: 538, 541, 542
Baum, B. A.: 579, 669
Baumgardner, D.: 673

119
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Callis, L. B., Jr.</td>
<td>544, 545, 546, 547, 548</td>
</tr>
<tr>
<td>Campbell, R. L.</td>
<td>31</td>
</tr>
<tr>
<td>Campbell, T. G.</td>
<td>184</td>
</tr>
<tr>
<td>Camy-Peyret, C.</td>
<td>553, 836</td>
</tr>
<tr>
<td>Canco, G. J.</td>
<td>887</td>
</tr>
<tr>
<td>Cano, R. J.</td>
<td>311, 314, 315, 335, 356</td>
</tr>
<tr>
<td>Cantrell, J. H., Jr.</td>
<td>275, 675, 676, 777, 810</td>
</tr>
<tr>
<td>Canuto, C.</td>
<td>734</td>
</tr>
<tr>
<td>Capala, J.</td>
<td>893</td>
</tr>
<tr>
<td>Capone, F. J.</td>
<td>59</td>
</tr>
<tr>
<td>Capriotti, D. P.</td>
<td>426</td>
</tr>
<tr>
<td>Caram, J. M.</td>
<td>384</td>
</tr>
<tr>
<td>Carden, H. D.</td>
<td>495</td>
</tr>
<tr>
<td>Carey, J. A.</td>
<td>15</td>
</tr>
<tr>
<td>Carle, A.</td>
<td>32, 99</td>
</tr>
<tr>
<td>Carlson, J. R.</td>
<td>33</td>
</tr>
<tr>
<td>Carpenter, M. H.</td>
<td>34, 388, 436, 735, 755</td>
</tr>
<tr>
<td>Carraway, D. L.</td>
<td>886</td>
</tr>
<tr>
<td>Carreno, V. A.</td>
<td>709</td>
</tr>
<tr>
<td>Carter, D.</td>
<td>316</td>
</tr>
<tr>
<td>Casper, J.</td>
<td>34</td>
</tr>
<tr>
<td>Castillo, V. K.</td>
<td>858</td>
</tr>
<tr>
<td>Center, K. B.</td>
<td>57</td>
</tr>
<tr>
<td>Cestero, F. J.</td>
<td>189</td>
</tr>
<tr>
<td>Chaffin, M. S.</td>
<td>92</td>
</tr>
<tr>
<td>Chambers, L. H.</td>
<td>597, 598, 625, 626, 736</td>
</tr>
<tr>
<td>Chan, K. R.</td>
<td>538</td>
</tr>
<tr>
<td>Chanetz, B.</td>
<td>389, 390, 418</td>
</tr>
<tr>
<td>Chang, A. C.</td>
<td>317, 338, 339</td>
</tr>
<tr>
<td>Chang, A. Y.</td>
<td>581</td>
</tr>
<tr>
<td>Chang, B-C.</td>
<td>138</td>
</tr>
<tr>
<td>Chang, C. K.</td>
<td>905</td>
</tr>
<tr>
<td>Chapman, J. J.</td>
<td>527</td>
</tr>
<tr>
<td>Charlock, T. P.</td>
<td>589, 599, 600, 601, 602, 603, 604, 622, 623, 638, 652, 669</td>
</tr>
<tr>
<td>Charlton, E. F.</td>
<td>35</td>
</tr>
<tr>
<td>Cheatwood, F. M.</td>
<td>173, 174, 180, 421</td>
</tr>
<tr>
<td>Chellman, D. J.</td>
<td>279, 303</td>
</tr>
<tr>
<td>Chen, S.</td>
<td>403</td>
</tr>
<tr>
<td>Chen, T-K.</td>
<td>484</td>
</tr>
<tr>
<td>Chen, Y-C.</td>
<td>691</td>
</tr>
<tr>
<td>Chiang, K. T.</td>
<td>306</td>
</tr>
<tr>
<td>Choi, W.</td>
<td>391</td>
</tr>
<tr>
<td>Chou, M-D.</td>
<td>632</td>
</tr>
<tr>
<td>Chow, P. L.</td>
<td>392</td>
</tr>
<tr>
<td>Chu, W. P.</td>
<td>549, 585, 586, 885</td>
</tr>
<tr>
<td>Chun, S. Y.</td>
<td>907</td>
</tr>
<tr>
<td>Chylek, P.</td>
<td>622, 623</td>
</tr>
<tr>
<td>Cisewski, M.</td>
<td>885</td>
</tr>
<tr>
<td>Clark, R. K.</td>
<td>306</td>
</tr>
<tr>
<td>Clark, R. L.</td>
<td>190</td>
</tr>
<tr>
<td>Clayton, M. B.</td>
<td>514, 594, 595, 596, 616, 628</td>
</tr>
<tr>
<td>Clothiaux, E.</td>
<td>613, 614</td>
</tr>
<tr>
<td>Clowdsley, M. S.</td>
<td>899</td>
</tr>
<tr>
<td>Cmar-Mascis, N. A.</td>
<td>775</td>
</tr>
<tr>
<td>Coats, T. W.</td>
<td>221, 222, 223, 224</td>
</tr>
<tr>
<td>Cobb, T. Q.</td>
<td>343</td>
</tr>
<tr>
<td>Cobleigh, B. R.</td>
<td>38</td>
</tr>
<tr>
<td>Cockrell, C. R.</td>
<td>375, 376</td>
</tr>
<tr>
<td>Cofer, W. R., III</td>
<td>532, 533, 534</td>
</tr>
<tr>
<td>Coffey, K. L.</td>
<td>605</td>
</tr>
<tr>
<td>Cole, S. R.</td>
<td>164</td>
</tr>
<tr>
<td>Collins, J. E., Jr.</td>
<td>526, 538</td>
</tr>
<tr>
<td>Collins, T. J.</td>
<td>499, 500, 511</td>
</tr>
<tr>
<td>Comella, J. F.</td>
<td>886</td>
</tr>
<tr>
<td>Companion, J. A.</td>
<td>225</td>
</tr>
<tr>
<td>Comstock, J. R., Jr.</td>
<td>677</td>
</tr>
<tr>
<td>Connell, J. W.</td>
<td>318, 319, 320, 321, 323, 332, 345, 350, 358</td>
</tr>
<tr>
<td>Connor, B. J.</td>
<td>580</td>
</tr>
<tr>
<td>Considine, D. B.</td>
<td>660</td>
</tr>
<tr>
<td>Considine, G. D.</td>
<td>550, 551, 582, 601, 602, 603, 604</td>
</tr>
<tr>
<td>Cook, A. L.</td>
<td>465, 466</td>
</tr>
<tr>
<td>Cook, G. M.</td>
<td>483</td>
</tr>
<tr>
<td>Cook, S. A.</td>
<td>177</td>
</tr>
<tr>
<td>Cook, W. B.</td>
<td>515, 521</td>
</tr>
<tr>
<td>Corbin, B. H.</td>
<td>687</td>
</tr>
<tr>
<td>Corliss, J. M.</td>
<td>164</td>
</tr>
<tr>
<td>Costen, R. C.</td>
<td>322, 606</td>
</tr>
<tr>
<td>Costulis, P. K.</td>
<td>665</td>
</tr>
<tr>
<td>Cox, D. E.</td>
<td>190</td>
</tr>
<tr>
<td>Cramer, K. E.</td>
<td>774, 865, 883</td>
</tr>
<tr>
<td>Crawford, J.</td>
<td>516, 517</td>
</tr>
<tr>
<td>Crill, P.</td>
<td>537</td>
</tr>
<tr>
<td>Crisp, V. K.</td>
<td>76</td>
</tr>
<tr>
<td>Criss, J. M.</td>
<td>323</td>
</tr>
<tr>
<td>Crommelynck, D.</td>
<td>633</td>
</tr>
<tr>
<td>Cucinotta, F. A.</td>
<td>840, 890, 891, 892, 895, 897, 898, 899, 903, 905, 906, 907, 909</td>
</tr>
<tr>
<td>Currey, J. C.</td>
<td>528, 665</td>
</tr>
<tr>
<td>Curry, M. A.</td>
<td>687</td>
</tr>
<tr>
<td>Curtis, S. B.</td>
<td>893, 894</td>
</tr>
<tr>
<td>Cvitkovich, M. K.</td>
<td>226, 227, 239</td>
</tr>
</tbody>
</table>
Czepiel, P. M.: 537

D

D’Abreton, P.: 525
Dambach, M. L.: 121
Dancey, C. L.: 352
Darden, C. M.: 36
Darmofal, D. L.: 737
Daryabeigi, K.: 312, 444
Dausch, D. E.: 859, 860
Davidson, J. B., Jr.: 140, 147, 152
Davidson, M. R.: 294
Davila, C. G.: 228, 484
Davila, J. B.: 393
Davis, D. D.: 522, 536
Davis, K. J.: 628
Dawicke, D. S.: 247, 248, 264, 265, 276
De Young, R. J.: 382, 469, 473, 474, 843, 849, 850, 852, 913, 914
DeLoach, R.: 445, 446
DeSlover, D. H.: 596
Deaver, L. E.: 550, 551, 554, 567, 582
Debnam, W. J., Jr.: 368
Deere, K. A.: 37
Delbouille, L.: 568
Demoulin, P.: 568, 580
Demoz, B. B.: 607, 608, 667, 668
Demuren, A. O.: 436
Dennis, J. E., Jr.: 20, 732
Derks, P. L.: 677
Desai, P. N.: 174, 204
Deshpande, M. D.: 186, 375, 376
Dexter, H. B.: 229, 241, 267
Dì Vito, B. L.: 717
DiFulvio, M.: 203, 385
DiPasquale, R. C.: 609
Diab, R. D.: 525
Dickson, R.: 182
Dicus, D. L.: 277, 278, 279, 303, 304
Dillard, D. A.: 327
Dipasquale, R. C.: 665
Ditkowski, A.: 724
Dixon, G. D.: 712
Dixon, P. G.: 170, 341

Dodds, R. H., Jr.: 276
Doelling, D. R.: 610, 611, 612, 636, 644, 662, 674
Doggett, W. R.: 884
Doherty, M. J.: 191
Domack, M. S.: 274, 277, 278, 279, 282, 367, 369
Donald, J. K.: 280
Dong, X.: 613, 614, 615
Dopker, B.: 259
Dorsey, C. A.: 710
Dorsey, J. T.: 204
Doyle, T. M.: 74
Drayson, R. S.: 559, 560
Dubucq, G. E., Jr.: 206
Dunn, M. H.: 787, 792, 803
Dyer, J.: 505

E

Eber, L.: 220
Echigo, Y.: 315
Eckhardt, D. E.: 78
Eckman, R. S.: 552, 557
Edahl, R. A.: 279, 281, 282
Edwards, B. D.: 788
Edwards, J. W.: 91
Eftekhari, A.: 456
Egalon, C. O.: 841, 842
Ege, R.: 15
Emeric, P. R.: 731
Englund, W. C.: 132, 133, 174, 400
Erickson, G. E.: 44
Erlebucher, G.: 428, 820
Erzberger, H.: 70
Esler, S. L.: 874, 875
Esposito, S. T.: 663
Etheridge, M.: 2, 3, 9
Eure, K. W.: 494
Evans, D. S.: 547
Evans, K. D.: 607, 608, 618, 619, 620, 621, 645, 646, 667, 668
Exton, R. J.: 835

F

Fahey, D. W.: 662
Fan, M.: 437
Fang, H.: 518
Farassat, F.: 784, 787, 789, 790, 791, 792, 809
Fasanella, E. L.: 230, 238, 485, 497
Fastig, S.: 843
Faulkner, T. R.: 815
Fay, C. C.: 324, 325, 326, 360
Feigh, K. M.: 119
Feltz, W. F.: 596
Fenn, M. A.: 514, 524, 555, 616
Fenno, C. C., Jr.: 793
Fidell, S.: 794
Filer, E. D.: 855
Fischer, K. E.: 135
Fisher, D. F.: 38, 44
Flamm, J. D.: 39
Flaud, J.-M.: 39
Fleming, G. A.: 467, 468, 471, 786
Fletcher, M. T.: 472
Florence, J. P.: 103
Foster, J. V.: 139, 141
Fox, C. H., Jr.: 44
Franck, P. D.: 732
Freeman, D. C., Jr.: 183
Freeman, G. L.: 215
Friedman, A. D.: 219, 231
Frink, N. T.: 40, 41, 42
Fripp, A. L., Jr.: 368
Froggatt, M. E.: 844, 845, 845a, 846, 847, 848
Froidevaux, L.: 555
Fu, Q.: 603, 604, 622, 623
Fuller, W. H.: 540
Fulton, J. P.: 283, 291
Fung, F.: 682
Fung, J.: 162
Funk, J. G.: 369
Furrow, A. P.: 327
Fyfe, I. M.: 220

G
Gaier, E. M.: 5, 16
Gallegos, J. L.: 84
Gandrul, B.: 538
Ganz, U. W.: 795
Garber, D. P.: 649, 653
Gardner, J. E.: 215
Garrison, J. L., Jr.: 529
Garstang, M.: 525
Gartrell, L. R.: 352
Gary, B. L.: 538
Gatski, T. B.: 260, 405, 406, 407
Gau, J.-R.: 380
Gavinsky, B.: 883
Gell, D.: 212
Gendron, G.: 486
Generazio, E. R.: 13, 331, 370, 476
Gerber, H.: 673
Getzweich, B. J.: 594
Ghiringhelli, G. L.: 94
Gibbs, G. P.: 190
Gibson, G. G.: 624, 671, 672, 674
Gierens, K. M.: 661
Giesing, J. P.: 95
Giesy, D. P.: 192, 195, 196, 200
Gilbert, M. G.: 487
Giles, G. L.: 96
Gilreath, M. C.: 380
Giunta, A. A.: 97, 98
Glaessgen, E. H.: 234, 235, 236, 284
Glass, C. E.: 385, 394
Glass, D. E.: 328, 395, 396, 397, 398
Gnoffo, P. A.: 399, 400, 401, 409, 410, 433
Godso, D.: 11
Goldammer, J. G.: 534
Goldhagen, P.: 908
Goldman, A.: 553, 579, 580, 581, 836
Goldschmidt, S.: 469
Goldsmith, J. E.: 607, 608, 620, 621, 667, 668
Goldstein, A. H.: 537
Golich, V. L.: 876
Gorchakova, N.: 390
Gordley, L. L.: 554, 567, 578, 583, 584
Gorton, S. A.: 468, 471
Gottlieb, D. I.: 735
Granda, J. N.: 157
Grant, W. B.: 391, 513, 514, 518, 524, 535, 539, 555, 556, 575, 616
Grasso, F.: 389
Green, C. J.: 625, 626
Green, D. F.: 72
Green, G. N.: 652
Green, L. L.: 32, 99, 124
Green, R. N.: 640, 669
Green, S. M.: 90
Greene, G. C.: 75
Gregory, G. L.: 519, 520, 526, 536, 539, 616
Gregory, I. M.: 142
Grenoble, R. W.: 267, 329
Grimsley, B. W.: 364
Griswold, T. B.: 687
Groom, N. J.: 193
Gropp, W. D.: 692
Grosche, C. E.: 697, 811
Grose, W. L.: 552, 557
Gross, M. R.: 555
Guattery, S.: 693, 694
Guelachvili, G.: 824, 825, 832, 833, 834
Guerinoni, F.: 695
Gullerud, A. S.: 276
Gunson, M. R.: 569, 579, 581
Gupta, S. K.: 665
Guy, R. W.: 426

H
Habib, S.: 885, 886
Hachkowski, M. R.: 213
Haering, E. A., Jr.: 435
Hafley, R. A.: 274, 286, 287, 367
Hagemauer, D.: 285
Halama, G. E.: 447
Hales, S. J.: 286, 287
Hall, E. T., Jr.: 330
Hall, R. M.: 38, 43, 44
Hamdouni, A.: 553
Hamilton, H. H., II: 402, 434
Hampton, R. W.: 276
Hankins, W. W., III: 696
Hansen, J.: 627
Hansen, M. G.: 351
Hanson, D.: 8
Hardaway, L. R.: 213
Hardy, R. C.: 482
Harper, D. B.: 849, 850
Harper, S. E.: 366

Harris, C. E.: 221, 222, 223, 224, 247, 248, 331, 488, 489
Harris, F. W.: 349
Harris, W. J.: 558
Harriss, R. C.: 537
Hart, R. C.: 779
Hayhurst, K. J.: 477, 710, 767
Hays, P. B.: 560
Heath, D. M.: 463, 868
Heeg, J.: 197
Hegseth, P.: 134
Heilmann, L.: 898
Heimerl, N. L.: 687
Heinbockel, J. H.: 899
Hellbaum, R. F.: 806
Hemm, R. V.: 4
Henderson, D.: 100
Henderson, S. C.: 541, 542
Hendricks, H. D.: 465, 466
Hergenrother, P. M.: 319, 320, 332, 333, 349, 350, 358
Hernandez, G.: 120
Hervig, M. E.: 578
Hewitt, R. W.: 687
Hickman, J. C.: 182
Higgins, J.: 623
Hill, M. I.: 529
Hillard, M. E., Jr.: 835
Hilliard, R. D.: 785
Hinders, M. K.: 219, 231, 771
Hinkle, J. D.: 213
Hinkley, J. A.: 237, 324, 327, 334, 347, 356
Hinton, D. E.: 448
Hirsh, J. E.: 122
Ho, C-H.: 632
Hoadley, S. T.: 93, 125
Hodge, J. S.: 355
Hoffler, K. D.: 140
Hoffman, E. K.: 273
Holland, S. D.: 132, 133
Holloway, C. M.: 710
Holt, M.: 738
Hom, K. W.: 377
Hooker, M. W.: 182, 859, 861
Hope, D. J.: 187
Hopkins, M.: 100
Hopson, P., Jr.: 182, 864
Horner, G. C.: 17, 18, 482, 487
Horvath, T. J.: 203, 385, 402, 434
Hou, T-H.: 316, 335, 336, 337
Hou, T. Y.: 403
Housner, J. M.: 123, 370, 490
Howe, R. R.: 794
Hu, C.: 739, 740
Hu, Y.: 640
Huai, X.: 45
Hudgins, C. H.: 532, 533
Huebner, L. D.: 19, 132, 135
Hueschen, R. M.: 696
Hughes, M. F.: 76
Humphreys, W. M., Jr.: 352, 470, 796
Hunt, J. L.: 214
Hunter, C. A.: 46
Hunter, L. G.: 134
Hunter, W. W., Jr.: 796
Hussaini, M. Y.: 728, 820
Hyer, P. V.: 72

I
Inger, G. R.: 401
Interrante, V.: 697
Iollo, A.: 404, 441
Irion, F. W.: 579, 581
Isaac, K. M.: 272, 352
Ismail, S.: 458, 459, 513, 594, 595, 596, 617, 628
Ivanco, T. G.: 797

J
Jackson, E. B.: 143
Jackson, K. E.: 230, 238, 242, 485, 497
Jackson, W. C.: 226, 239
Jacobs, J. A.: 215
Jalink, A., Jr.: 806, 851
James, G. H., III: 205
Jans, D.: 682
Jani, M. G.: 855, 856
Jansen, B. J.: 798
Jaramillo, P. T.: 141
Jaunky, N.: 491, 492
Jegley, D. C.: 240, 493
Jensen, E. J.: 629

Johns, W. E.: 170, 341
Johnson, E. J.: 72
Johnson, J. P.: 5, 9
Johnson, S. C.: 767
Johnson, T. F.: 178, 342
Johnson, T. L.: 194
Johnson, W. S.: 343, 344
Johnston, N. J.: 267, 329, 336, 347
Johnston, P. H.: 771, 772
Jolly, J. R.: 783
Jones, D. R.: 77, 78, 86, 87
Jones, I. W.: 901
Jones, K. M.: 161, 911
Jones, M. G.: 470, 799, 800, 817
Jones, N. B.: 580
Jones, T. D.: 905
Jongen, T.: 405, 406, 407
Joppa, P. D.: 795
Jordan, K. J.: 47
Joshi, S. M.: 144, 721
Joslin, R. D.: 45, 48, 49, 58, 408
Juang, J-N.: 494, 691, 884
Juska, T. D.: 241

K
Kalil, C. G.: 321
Kallemeyn, P. H.: 179, 181
Kaneko, H.: 741
Kaneshiro, H.: 315
Kangas, J. A.: 174
Kaplan, B. J.: 6
Karyampudi, V. M.: 518
Katz, R.: 891
Katzberg, S. J.: 529
Kaufman, Y. J.: 619
Kawakami, S.: 519, 520, 536
Kazanjian, S. M.: 303, 304
Keating, G. M.: 887, 888
Kegel, J. T.: 165, 372
Kelkar, A. G.: 144, 721
Kellis, S.: 204, 495
Kelly, R. G.: 288
Kemmerly, H. L.: 217
Kennedy, J. M.: 880
Kent, G. S.: 574, 666
Keyes, D. E.: 692
Khaiyer, M. M.: 630, 631, 643
Kim, H. B.: 723, 770
Kim, M.: 893, 894, 895, 897, 906
Kim, M. Y.: 896, 905
Kincaid, R. K.: 507, 684
King, B.: 11
King, R. A.: 393
Kirk, D. B.: 889
Kist, E. H.: 182
Kleb, W. L.: 409, 410, 422, 423, 763, 764
Klein, E. A.: 206
Klein, V.: 145, 146
Knight, J. C.: 710
Knight, N. F., Jr.: 491, 492, 496
Knight, T. C.: 889
Koch, G. J.: 449, 853
Koczo, S.: 88
Kodiyalam, S.: 729, 742
Koike, M.: 519, 520, 536
Kolitz, S.: 8
Kondo, Y.: 519, 520, 536
Kooi, S. A.: 594, 595, 596, 616, 628
Kopp, J.: 899
Koppen, D. M.: 81
Korivi, V. M.: 50
Korte, J. J.: 61
Kostiuk, P. F.: 7, 8, 9
Kovach, R. D.: 687
Kowalkowski, M. K.: 175
Kratz, D. P.: 632, 669
Krishnan, R.: 711
Krist, S. L.: 51
Krueger, R.: 227
Kubiatko, P.: 21
Kuchar, J. K.: 7
Kumar, A.: 372
Kvatarnik, R. G.: 110

L

Laba, K. E.: 507
Lachowicz, J. T.: 49, 411
Laflin, K. R.: 62
Lake, M. S.: 213
Lake, R. C.: 103, 197
Lallman, F. J.: 140, 147
Lamar, J. E.: 19, 52
Lambeth, J. D.: 545, 546, 547, 548
Lan, C. E.: 148, 159

Lancaster, R. S.: 515, 521
Larar, A. M.: 515, 521, 559, 560
Latorella, K. A.: 129
Lavoie, J. A.: 242
Lawrence, R. M.: 366, 540
Lay, R.: 212
Lee, D. A.: 6, 9, 10
Lee, H-A.: 391
Lee, J. W.: 472
Lee, K-M.: 391
Lee, K-P.: 531
Lee, R. B., III: 633, 634, 657, 658, 659, 669
Leifer, R.: 618
Leighty, B. D.: 451
Lenschow, D. H.: 628
Leong, F.: 8
Lepsch, R. A., Jr.: 209, 210
Lesins, G.: 622, 623
Letnikov, V.: 92
Leveson, N. G.: 710
Levine, J. S.: 561, 562, 563, 564, 565
Lewis, K. S.: 288
Lewis, R. M.: 20, 743, 744, 745, 746
Li, E.: 344
Li, Z.: 635
Lian, Y.: 747
Liang, D.: 76
Lidstone, G.: 134
Lightfoot, M. C.: 718
Lim, K. B.: 195, 196, 197, 202
Lin, B.: 636, 637
Lin, G-F.: 148
Liou, K-N: 603, 604, 638
Liu, H.: 447
Liu, S. C.: 522
Llorente, I. M.: 698, 753
Lo, D. C.: 224
Lockard, G. E.: 855
Lockwood, M. K.: 177
Loeb, N. G.: 566
Logan, J. A.: 580
Logan, M. J.: 101
Loncaric, J.: 748
Long, C. N.: 604
Long, D.: 9
Lonn, F.: 852
Lowther, S. E.: 343, 344, 350
Luck, W. S.: 382
Lui, S-H.: 765
Luo, L-S.: 412
Lyle, K. H.: 230, 497, 816
Lyons, D. T.: 180

M
Ma, K-L.: 699, 701
Macaraeg, M. G.: 53
Mace, G. G.: 639
Machie, H. B.: 881
Mack, R. J.: 102
Madaras, E. I.: 219, 231, 243, 261
Maddalon, D. V.: 28
Madenci, E.: 481
Madhukar, M. S.: 810
Maestrello, L.: 392, 780, 781, 793, 801, 802
Maghami, P. G.: 198, 199, 200, 201, 202, 208
Mahalov, A.: 413
Mahan, J. R.: 605
Mahieu, E.: 568, 579, 580, 581
Maiden, D. L.: 902, 908
Malekpour, M. R.: 700
Malone, J. B.: 370, 371
Maly, K.: 877, 878, 879
Manalo-Smith, N.: 640, 643
Manney, G. L.: 569
Mannstein, H.: 656, 661
Mantegazza, P.: 94
Marable, W. P.: 869
Marcolini, M. A.: 805
Marlowe, J. M.: 182, 712
Marshall, B. T.: 578
Martin, C. J., Jr.: 204, 312
Martin, G.: 21
Masarati, P.: 94
Mase, R. A.: 173
Maslov, A. A.: 54
Matthews, L. F.: 530
Mau, J. C.: 864
Mauer, T. M.: 61
Mauldin, L. E., III: 885, 886
Mavriplis, D. J.: 690, 749, 750, 751, 752
Mayor, S.: 641, 642, 643
McAdoo, J. A.: 447, 851
McClinton, C. R.: 130, 131, 132, 133, 135
McCormick, G. F.: 710
McCormick, M. P.: 666
McDaniel, P. R.: 345, 346
McDermid, I. S.: 555
McGee, F. G.: 74
McGee, T. J.: 555
McGowan, A. R.: 17, 18, 103
McGowan, D. M.: 244, 314
McHugh, M. J.: 567
McInnes, L. C.: 692
McKinley, R. E., Jr.: 19, 104
McMillin, M. L.: 209
Meadows, K. R.: 796
Medenci, E.: 478
Meerkotter, R.: 644, 661, 662
Melen, F.: 568
Melson, N. D.: 698, 753
Merrigan, M. A.: 396, 397, 398
Merrill, J. T.: 519, 520, 536
Merski, N. R.: 385, 450
Messier, B. C.: 237, 347
Messner, W. C.: 884
Meyer, R.: 661
Meyers, J. F.: 471, 472
Michal, T. R.: 55
Michalsky, J.: 622, 623
Michelsen, H. A.: 569, 579
Micol, J. R.: 166
Middleton, D.: 76
Mihalov, J. D.: 889
Miles, N. L.: 614
Milhollen, W. E., II: 56
Miller, A. G.: 215
Miller, C. G.: 414
Miller, G. L.: 694
Miller, J.: 895, 898, 906, 909
Miller, L. J.: 606
Miller, R. W.: 57
Miller, S. P.: 709
Milos, F. S.: 889
649, 650, 651, 652, 653, 654, 655, 656, 661, 662, 664, 666, 669, 673, 674
Mirick, P. H.: 103, 127
Mistree, F.: 61
Mitcheltree, R. A.: 203, 204, 400
Mlynczak, M. G.: 570, 571, 572, 588
Moeller, K. J.: 185, 379, 381
Moitra, S.: 686
Mompean, G.: 406, 407
Montarnal, P.: 754
Montgomery, R. C.: 156
Moore, A. S.: 530
Moore, B.: 355
Moore, J. P.: 847, 848
Morelli, E. A.: 105, 149, 150
Morris, W. D.: 210
Morrison, C. A.: 855
Morrison, J. H.: 415
Mortlock, A.: 573
Morton, J.: 242
Moses, R. W.: 100, 103, 106, 107, 108
Moss, J. N.: 27, 66, 389, 390, 416, 417, 418
Mossi, K. M.: 348
Motter, M. A.: 722
Moulin, C.: 518
Mukhopadhyay, V.: 109
Murcray, F. J.: 553, 580, 836
Murphy, P. C.: 140, 145, 146, 147, 151, 152
Murray, D. B.: 869
Murray, K. E.: 855, 856, 858
Murri, G. B.: 245
Murthy, A. V.: 22

N
Nadile, R. M.: 588
Nakajima, H.: 519, 520
Nakajima, T.: 644, 662
Narayanana, R.: 368
Natarajan, M.: 547, 548
Nath, S. C.: 283, 291
Natividad, R.: 342
Naydich, D.: 683
Neely, R. W.: 528
Nelson, C.: 10
Nelson, M. L.: 874, 875, 877, 878, 879, 882
Nemeth, M. P.: 479, 496, 498, 499, 500, 511
Nettles, A. T.: 252
Newchurch, M. J.: 579, 581
Newell, R. E.: 519, 520, 522, 526
Newman, J. C., Jr.: 246, 247, 248, 249, 264, 265, 292, 293, 489, 504
Newman, P. A.: 50
Nguyen, D. C.: 853
Nguyen, G.: 272
Nguyen, L.: 590, 611, 612, 641, 653, 655
Nguyen, T. X.: 381
Nicolaenko, B.: 413
Nixon, M. W.: 94, 110
Nolan, G. J.: 687
Nolt, I. G.: 448
Noor, A. K.: 371, 705
Norbury, J. W.: 840
Nordstrom, J.: 735, 755, 762
Noren, R. D.: 741
Northam, G. B.: 250, 256, 258, 352
Nowaczyk, R. H.: 161, 756, 870, 911
Nowak, R. J.: 434
Nowicki, G. D.: 533
Nowokowski, J.: 683

O
O'Brien, T. K.: 227, 245, 251
Ofengeim, D.: 419
Ogburn, M. E.: 153
Oglesby, D. M.: 451
Olejniczak, J.: 417, 418
Oltmans, S.: 556
Ooi, I. H.: 349
Orwoll, R. A.: 345
Osborn, M. T.: 574
Osman, M.: 11
Ostroff, A. J.: 154, 155
Outlaw, R. A.: 294

P
Pack, L. G.: 58
Paden, J.: 633, 659
Padilla, P. A.: 741
Padula, S. L.: 17, 18, 684, 685
Pahle, J. W.: 133
Palikonda, R.: 610, 636, 648, 653, 656
Regan, C. R.: 806
Reid, R. S.: 398
Reimer, H. M.: 84
Reitz, G.: 899
Remsberg, E. E.: 543, 550, 551, 567, 577, 578, 582, 583, 584
Rengel, K.: 285
Retina, N.: 2, 3
Rhode, M. N.: 57
Rhodes, M. D.: 505
Ricciardi, M.: 11
Riddell, W. T.: 236, 299, 300, 503
Riggs, H. R.: 121
Riley, C. J.: 421, 422, 423, 438
Ristorcelli, J. R.: 383, 424, 425
Ritchey, N. A.: 665
Ritter, E.: 12
Rivers, H. K.: 175, 178, 250, 258, 342
Rivers, R. A.: 143
Rizzi, S. A.: 807
Roberts, E.: 11, 12
Roberts, M. J.: 808
Roberts, W. L.: 352
Rock, K. E.: 132, 135
Rodriguez, J. M.: 519
Rogers, C.: 480
Rogers, J. L.: 713
Rogers, R. C.: 132, 426
Rogowski, R. S.: 356, 841, 842
Rohrbach, W. W.: 806
Roland, G.: 568
Rommel, M. L.: 320
Rosch, G.: 1, 7, 8
Rosch, W. R.: 368
Rose, C. A.: 508, 509
Rose, F. G.: 599, 600, 601, 602, 603, 604
Rosenbaum, D. M.: 482
Rosenfield, J. E.: 660
Rosolovsky, J.: 353
Rossow, W.: 637
Roth, J. R.: 60
Rouse, M.: 259, 512
Rousseau, C. Q.: 245
Rubinstein, R.: 427, 428, 442
Rubira, A. F.: 353
Rumsey, C. L.: 51, 260, 809
Russell, J. M., III: 391, 543, 550, 551, 554, 567, 582, 583, 584
Ryaben’kii, V. S.: 762
Ryll, T.: 100

S

Sachi, L. A.: 180
Sachse, G. W.: 519, 520, 526, 536, 538, 539
Salas, A. O.: 124, 713, 714
Salas, M. D.: 404
Salawitch, R. J.: 579, 581
Salikhov, R. S.: 886
Samareh, J. A.: 63, 111, 124, 715, 757
Sanchez, M. C.: 605
Sandford, S. P.: 454
Sandusky, R. R., Jr.: 118, 506
Santmire, T. E.: 16
Sassen, K.: 638
Sathish, S.: 810
Sausen, R.: 661
Sawyer, J. W.: 178, 354, 355
Searce, S. A.: 379
Scharpf, D. F.: 795
Schimmel, M. L.: 206
Schimmerling, W.: 897
Schoeberl, M. R.: 660
Schoenfeld, W. G.: 553
Schor, A.: 1
Schubert, G.: 889
Schulte, D.: 390
Schumann, U.: 644, 661, 662
Schunemann, P. G.: 856
Schuster, G. L.: 663
Schutte, P. C.: 69, 80
Scott, M. A.: 17, 18, 156
Scott, R. C.: 19
Scotti, S. J.: 178
Seale, M. D.: 261, 262, 263
Seiff, A.: 889
Seiner, J. M.: 811, 820
Selby, G. V.: 348
Semanskee, G.: 883
Sena, J. T.: 396, 397, 398
Senff, C.: 628
Serafini, D. B.: 732
Sergeev, B.: 478
Servais, C.: 568
Seshadri, B. R.: 264, 265, 504
Settle, T. B.: 110
Sexstone, M. G.: 19, 112
Shaeffer, J. F.: 377
Shah, B. M.: 259
Shane, R. W.: 207, 211
Shapiro, G.: 4, 8, 10
Shen, H-W.: 699
Shen, S. N.: 877, 878, 879
Shenoy, R. N.: 307
Shen, K. G.: 770
Shinn, E.: 270
Shinn, J. L.: 890, 898, 899, 905, 906, 907, 909
Shipham, M. C.: 537
Shipman, F. S.: 78
Shirinzadeh, B.: 835
Shivakumar, K.: 266
Shively, D. G.: 378
Shockcor, J. H., Jr.: 113
Shoha, J. J.: 365
Shu, C-W.: 739, 740, 754, 778
Shuart, M. J.: 13, 267
Sidilkover, D.: 758
Silber, L.: 907
Sikora, J. G.: 444
Silcox, R. J.: 17, 18, 161, 812, 911
Silva, W. A.: 114, 115, 161, 911
Silverman, E. M.: 505
Siman-Tov, E.: 182
Simonsen, L. C.: 895, 896, 898, 906, 909
Simpson, J. O.: 17, 18, 356
Simpson, J. W.: 283
Simpson, T. W.: 61, 759
Singh, H. B.: 520, 536
Singh, J. J.: 452, 453, 455, 456, 457
Singleton, R. C., Jr.: 899, 900, 901, 906, 909
Singleton, J. D.: 116, 127
Siochi, E. J.: 321, 357
Situ, W.: 473, 474
Sjogren, J. A.: 681
Skeens, K. M.: 666
Slater, R. T.: 687
Slominski, C. J.: 716
Small, W. J.: 19
Smith, A.: 14
Smith, B. T.: 262, 263
Smith, B. W.: 215
Smith, D.: 699
Smith, G. L.: 528, 633, 640, 658, 659, 669, 670
Smith, J. G., Jr.: 319, 320, 321, 323, 332, 333, 350, 358
Smith, K. A.: 78
Smith, L. J.: 81
Smith, M. W.: 429, 460
Shepherd, K. P.: 813
Sherman, D. M.: 60
Skeens, K. M.: 666
Shih, M-Y.: 699
Shin, K. G.: 770
Shinn, E.: 270
Shinn, J. L.: 890, 898, 899, 905, 906, 907, 909
Shipman, F. S.: 78
Sihver, L.: 907
Silverman, E. M.: 505
Siman-Tov, E.: 182
Simonsen, L. C.: 895, 896, 898, 906, 909
Simpson, J. O.: 17, 18, 356
Simpson, J. W.: 283
Simpson, T. W.: 61, 759
Singh, H. B.: 520, 536
Singh, J. J.: 452, 453, 455, 456, 457
Singleton, R. C., Jr.: 899, 900, 901, 906, 909
Singleton, J. D.: 116, 127
Siochi, E. J.: 321, 357
Situ, W.: 473, 474
Sjogren, J. A.: 681
Skeens, K. M.: 666
Slater, R. T.: 687
Slominski, C. J.: 716
Small, W. J.: 19
Smith, A.: 14
Smith, B. T.: 262, 263
Smith, B. W.: 215
Smith, D.: 699
Smith, G. L.: 528, 633, 640, 658, 659, 669, 670
Smith, J. G., Jr.: 319, 320, 321, 323, 332, 333, 350, 358
Smith, K. A.: 78
Smith, L. J.: 81
Smith, M. W.: 429, 460
Smith, R. C.: 760
Smith, R. W.: 175, 178, 342
Smith, S. W.: 301, 302
Smith, W. L., Jr.: 448, 590, 596, 611, 612, 615, 641, 650, 651, 653, 654, 655, 664
Snyder, D.: 531
Sobieszczanski-Sobieski, J.: 97, 117, 118, 506, 507
Solomon, S.: 581
South, B. W.: 472
Southward, R. E.: 359
Spalart, P. R.: 84
Spangenberg, D. A.: 610
Spangler, R.: 100
Sparks, D. W., Jr.: 201, 202, 208
Spearman, M. L.: 119
Spence, P. L.: 809
Spencer, D. A.: 173, 179, 181
Speziale, C. G.: 442
Sprinkle, D. R.: 452, 453, 457
St. Clair, A. K.: 325, 326, 353, 359
Stackhouse, P. W., Jr.: 609, 665, 670
Stacy, K.: 435
Starnes, J. H., Jr.: 218, 268, 479, 489, 498, 499, 500, 508, 509, 511, 512
Starr, D. O.: 607, 608
Stephen, T. M.: 553, 580, 836
Stephens, D. G.: 510
Stephens, G. L.: 635
Stevens, D. E.: 629
Stewart, E. C.: 158
Stewart, S. H.: 881
Stoakley, D. M.: 326, 353
Stocks, B. J.: 534
Stone, S. C.: 685
Storaasli, O. L.: 467
Storaasli, O. O.: 704, 705
Streett, C. L.: 430, 431, 432
Striepe, S. A.: 180
Sullivan, B. M.: 804, 813
Summerville, J.: 531
Sun, C. T.: 128
Sun, X-H.: 686
Sutkus, D. J.: 542
Sutton, K.: 433
Sydnor, G. H.: 167
Szewczyk, Z. P.: 123

Tabacco, A.: 734
Tai, H.: 269, 901, 902, 907, 908, 909
Takallu, M. A.: 62
Takano, Y.: 603, 604, 638, 649
Talay, T. A.: 183, 719
Talbot, R. W.: 536
Taleghani, B. K.: 103
Taler, G.: 676
Tamingier, K. M.: 303, 304
Tanner, S. E.: 818
Tarzanin, F. K.: 122
Tatnall, C. R.: 82
Taulbee, D. B.: 383
Taylor, A. C., III: 50
Taylor, L. T.: 353
Tenney, D. R.: 120
Tessler, A.: 121, 481, 483, 486
Thibeault, S. A.: 896, 906, 909
Thomas, J. L.: 753
Thomas, S.: 633, 657, 659
Thomason, L. W.: 585, 586

Thompson, A. M.: 525
Thompson, D. S.: 359
Thompson, D. W.: 359
Thompson, R. A.: 434
Thompson, R. E.: 578
Thornhill, J.: 463
Thornhill, K. L.: 633, 657, 659
Thornton, T. A.: 359
Thurman, S.: 179
Tidriri, M. D.: 692
Tiffany, M. E.: 882
Tiwari, S. N.: 329, 871
Tolson, R. H.: 171, 189, 191, 194, 207, 211, 887
Tooman, T. P.: 620, 621, 667, 668
Toon, O. B.: 629
Topping, B. H.: 705
Torczon, V.: 20, 732, 744, 745, 746, 761
Torres, A. O.: 19
Townsend, J. C.: 63, 124, 714
Tracy, M. B.: 814
Tran, S. Q.: 361, 461
Trepte, C. R.: 574, 586
Tripathi, R. K.: 890, 903, 907
Trishchenko, A.: 635
Trosset, M. W.: 732, 746, 761
Trujillo, A. C.: 80, 83
Tsai, C-Y.: 462
Tsushima, Y.: 644
Tsýnkov, S. V.: 762
Turco, R. P.: 524
Turkel, E.: 766
Turner, C. P.: 182
Twohy, C. H.: 538
Tyler, C. J.: 182
Tyson, P. D.: 525

Unal, R.: 209, 210
Upchurch, B. T.: 451
Urban, K.: 734
Uttal, T.: 636
Vairo, D. M.: 168
Van Alstyne, R.: 573
Vann, L. B.: 587
Varnai, T.: 566
Vasquez, P.: 893
Vatsa, V. N.: 730, 762, 815
Vaughan, R. M.: 181
Vaughn, W. L.: 270
Vay, S. A.: 538, 539
Vazquez, M. E.: 894
Veazie, D. R.: 271
Verlinde, J.: 614
Vicroy, D. D.: 84
Vieira, G. J.: 435
Vijgen, P. M.: 84
Villani, J. A.: 11, 12
Vipperman, J. S.: 190
Vladimirov, A. V.: 886
Vlahopoulos, N.: 816
Voland, R. T.: 132, 133, 135
Von Ofenheim, B.: 687

Wagner, J. A.: 305, 367
Wahls, R. A.: 38
Walker, S. P.: 362, 363
Wallace, T. A.: 306
Wallio, H. A.: 538
Walsh, B. M.: 857, 858
Walsh, J. L.: 122, 124
Wang, J. T.: 123, 128
Wang, L.: 722
Wang, N.: 303
Wang, P-H.: 555, 579, 666
Wang, Z.: 159
Wang, Z. M.: 307
Waszak, M. R.: 160, 161, 162, 911
Watson, L. T.: 98
Watson, W. R.: 814, 817, 818
Weckmann, S.: 671, 672
Wei, R. P.: 296
Weilmuenster, K. J.: 400, 402
Weinstein, L. M.: 169, 435
Weiser, E. S.: 314, 315, 340, 364, 365
Wells, J. E.: 182
Wells, J. G., Jr.: 554
Wending, P.: 661
West, J. P.: 451
West, J. W.: 366
Weston, R. P.: 63, 124, 156, 713
White, A. L.: 723, 769, 770
White, J. T.: 133
White, N. H.: 210
Whitehead, A. H., Jr.: 64, 65
Whiteman, D. N.: 607, 608, 618, 619, 620, 621, 645, 646, 667, 668
Whitley, K. S.: 232, 233, 356
Wielicki, B. A.: 624, 636, 637, 652, 669
Wieseman, C. D.: 103, 125
Wilber, A. C.: 670
Wilbur, M. L.: 103, 126, 127
Wilkie, W. K.: 103, 127
Wilkin, P. G.: 171
Wilkinson, S. P.: 60
Willard, S. A.: 253, 297
Williams, D. H.: 90
Williams, K.: 134
Williamson, C. K.: 913, 914
Wills, R. W.: 78
Willshire, W. L., Jr.: 510
Wilmoth, R. G.: 27, 66, 211, 416
Wilson, J. W.: 840, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909
Wilson, R. G.: 475
Wilson, R. S.: 633, 634, 659
Wilson, R. V.: 436
Winfree, W. P.: 463, 774, 775, 776, 819, 865, 866, 867, 868
Wing, D. J.: 67
Wingrove, E. R., III: 15, 16
Winker, D. M.: 566, 654
Winstead, E. L.: 534
Wise, J. O.: 588
Wise, S. A.: 182, 356, 667, 668, 860, 862, 863, 864
Witte, D. W.: 135
Wlezien, R. W.: 17, 18, 411
Wolverton, D. A.: 716
Wong, T.: 669, 671, 672, 674
Wood, R. M.: 68
Wood, W. A.: 409, 410, 763, 764
Woodard, S. E.: 212
Woodruff, S. L.: 820
Woods, D. C.: 558
Working, D. C.: 324, 360
Wright, J.: 270
Wu, J-Z.: 437
Wu, X-H.: 403
Wu, Z-X.: 526
Wurster, K. E.: 438

X

Xapsos, M. A.: 898
Xu, K.: 439, 747, 765

Y

Yan, M. M: 632
Yang, J. C.: 710
Yang, P.: 638
Yang, Z.: 128
Yao, C-S.: 49, 411
Yaros, S. F.: 19
Yeager, J. C.: 163
Yeager, W. T., Jr.: 116, 127
Yefet, A.: 724, 766
Yetter, J. A.: 23
Yeung, P. K.: 440
Ying, S. X.: 260
Yost, W. T.: 675, 676, 777, 810
Young, C. P., Jr.: 170, 341
Young, D. B.: 871
Young, D. F.: 598, 636, 639, 649, 651, 652,
653, 654, 664, 666, 669, 673, 674
Young, D. K.: 122
Young, J. A.: 334
Young, K. C.: 122
Young, L. A.: 889
Young, R. D.: 264, 265, 499, 500, 511, 512
Young, R. E.: 889
Young, S. D.: 77, 78, 85, 86, 87
Yuan, F. G.: 310, 316
Yue, G. K.: 666

Z

Zalameda, J. N.: 263, 463
Zander, R.: 568, 569, 579, 580, 581
Zang, T. A.: 870
Zannetti, L.: 441
Zeitlin, C. J.: 898
Zhang, X-G.: 275
Zhou, D. K.: 571, 572, 588
Zhou, Y.: 403, 413, 420, 427, 428, 437, 440,
442
Zhu, Y.: 526
Zimcik, D.: 100
Zimmerman, D. C.: 205
Zoby, E. V.: 438
Zoromski, W. E.: 63
Zubair, M.: 878, 879
Zuckerwar, A. J.: 464, 821
## Organization Index

### Office of Director

**Office of Director (A)**


**Office of Education (AE)**

869, 871, 872, 873, 876, 880, 910

### Airframe Systems Program Office

**Airframe Systems Program Office (B)**

17, 18, 120, 369

**Aeronautics Systems Analysis Division (BA)**

96, 101, 102, 104, 109, 112, 113, 119, 377

### Space and Atmospheric Sciences Program Group

**Atmospheric Sciences Division (CA)**


**Space Systems and Concepts Division (CB)**

171, 173, 174, 176, 177, 179, 180, 181, 183, 191, 209, 210, 438, 529, 887

**Space Projects Office (CC)**

530, 885, 886
Research and Technology Group

Research and Technology Group (D)
97, 98, 117, 118, 370, 371, 506, 507, 711

Aero- and Gas-Dynamics Division (DA)

Flight Dynamics and Control Division (DC)
70, 74, 75, 76, 79, 80, 82, 83, 84, 90, 105, 129, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 190, 192, 193, 195, 196, 198, 199, 200, 201, 202, 208, 677, 678, 696, 721, 722, 741, 912

Fluid Mechanics and Acoustics Division (DF)

Flight Electronics Technology Division (DI)
71, 72, 77, 78, 81, 85, 86, 87, 88, 89, 184, 185, 186, 368, 373, 374, 375, 376, 378, 379, 380, 381, 465, 466, 475, 477, 681, 682, 683, 688, 689, 700, 708, 709, 710, 717, 723, 767, 769, 770, 884

Materials Division (DM)

136
Structures Division (DS)

Technology Applications Group
Technology Applications Group (E)
215

Internal Operations Group
Facility Systems Engineering Division (GG)
164

Experimental Testing Technology Division (GH)

Fabrication Division (GJ)
330, 361, 461

Aerospace Mechanical Systems Division (GK)
172, 182, 187, 188, 206, 712

Aerospace Electronic Systems Division (GL)
382, 447, 448, 449, 454, 458, 459, 531, 706, 806, 851, 853, 854, 855, 856, 857, 858

Information Systems and Services Division (GM)
686, 687, 707, 720, 768, 874, 875, 877, 878, 879, 881, 882

Simulation and Research Aircraft Division (GP)
716

High-Speed Research Program Office
High-Speed Research Program Office (I)
36, 64, 65, 541, 542, 573
Advanced Subsonic Technology Program Office

Advanced Subsonic Technology Program Office (K)
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 510

Aerospace Transportation Technology Office

Hyper-X Program Office (LA)
130, 131, 132, 133, 134, 214

Independent Program Assessment Office

Independent Program Assessment Office (M)
719
<table>
<thead>
<tr>
<th>RTOP 146-90-04</th>
<th>RTOP 242-20-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>561, 562, 563, 564, 565, 590, 611, 612, 613, 614, 615, 630, 631, 635, 641, 642, 643, 651, 664</td>
<td>183</td>
</tr>
<tr>
<td>RTOP 148-65-41</td>
<td>RTOP 242-23-10</td>
</tr>
<tr>
<td>637</td>
<td>178</td>
</tr>
<tr>
<td>RTOP 148-65-42</td>
<td>RTOP 242-33-01</td>
</tr>
<tr>
<td>550</td>
<td>175, 179, 181, 209, 210, 254, 262, 312, 328, 342, 354, 355, 438, 846, 847, 848</td>
</tr>
<tr>
<td>RTOP 199-45-16</td>
<td>RTOP 242-33-03</td>
</tr>
<tr>
<td>840, 891, 893, 894, 896, 897, 898, 899, 900, 901, 903, 905, 907</td>
<td>177, 395, 396, 397, 398</td>
</tr>
<tr>
<td>RTOP 227-92-43</td>
<td>RTOP 242-80-01</td>
</tr>
<tr>
<td>447, 885, 886</td>
<td>26, 27, 29, 57, 66, 166, 189, 192, 203, 204, 207, 211, 384, 385, 389, 390, 394, 399, 400, 401, 402, 409, 410, 414, 416, 417, 418, 421, 422, 423, 433, 434, 450, 763, 764, 888, 889</td>
</tr>
<tr>
<td>RTOP 229-01-02</td>
<td>RTOP 243-30-07</td>
</tr>
<tr>
<td>591, 592, 593, 597, 598, 605, 624, 632, 633, 640, 652, 657, 658, 659, 663, 669, 671, 672, 674, 736</td>
<td>256</td>
</tr>
<tr>
<td>RTOP 229-71-02</td>
<td>RTOP 243-33-03</td>
</tr>
<tr>
<td>527, 528</td>
<td>61</td>
</tr>
<tr>
<td>RTOP 232-01-04</td>
<td>RTOP 247-00-98</td>
</tr>
<tr>
<td>274</td>
<td>238</td>
</tr>
<tr>
<td>RTOP 233-03-03</td>
<td>RTOP 249-00-96</td>
</tr>
<tr>
<td>884</td>
<td>515, 521</td>
</tr>
<tr>
<td>RTOP 233-10-14</td>
<td>RTOP 251-10-00</td>
</tr>
<tr>
<td>202</td>
<td>305</td>
</tr>
<tr>
<td>RTOP 242-20-05</td>
<td>RTOP 251-10-01</td>
</tr>
<tr>
<td>307, 367</td>
<td>215</td>
</tr>
</tbody>
</table>
RTOP 258-70-21
172, 184, 448, 454, 458, 459, 475, 706, 854, 856, 857, 858

RTOP 274-00-91
913, 914

RTOP 274-00-96
559, 560

RTOP 274-00-97
453, 465, 555

RTOP 274-00-98
451, 529

RTOP 282-10-01
19, 54, 69, 73, 170, 386, 387, 484

RTOP 284-30-10
687

RTOP 291-01-60
589, 600, 601, 602, 603, 604, 622, 623, 638

RTOP 291-07-14
607, 608, 620, 621, 645, 646, 667, 668

RTOP 297-40-00
280, 300, 301

RTOP 297-90-00
719

RTOP 344-16-50
570

RTOP 370-21-08
544, 545, 546, 547, 548

RTOP 432-60-50
571, 572, 588

RTOP 460-21-49
391

RTOP 460-44-41
649, 650

RTOP 464-32-02
553

RTOP 464-34-02
568

RTOP 464-54-03
536

RTOP 505-59-50
411

RTOP 505-59-53
22, 34, 50, 778, 815, 818

RTOP 505-63-36
127

RTOP 505-63-50

RTOP 505-63-53
121

RTOP 505-63-87
230

RTOP 505-64-10
710

140
RTOP 505-64-52
   162
RTOP 505-68-30
   44, 152, 188
RTOP 505-70-62
   352
RTOP 505-90
   872, 873, 876, 880
RTOP 505-90-52
RTOP 505-90-53
   874, 875
RTOP 509-10-11
   32, 63, 95, 97, 98, 99, 111, 117, 124, 685, 704, 705, 711, 713, 714, 715, 729, 742, 757, 870, 911
RTOP 509-10-21
   720
RTOP 509-10-31
   118, 506, 507
RTOP 509-10-53
   686
RTOP 509-11-10
   726, 728
RTOP 505-20-21
   372, 435, 443, 452, 467, 468
RTOP 505-30-31
   477, 682
RTOP 505-50-11
   681, 717
RTOP 522-11-11
   56
RTOP 522-11-41
   89, 186, 218, 228, 259, 268, 373, 374, 375, 376, 479, 491, 492, 493, 496, 498, 499, 500, 505, 511
RTOP 522-11-51
   28
RTOP 522-11-81
   38
RTOP 522-12
   120
RTOP 522-12-11
   273, 286, 306
RTOP 522-12-51
   277, 278, 279, 281, 282, 287, 303, 304, 369
RTOP 522-13-11
   222
RTOP 522-14-11
   80, 83
RTOP 522-14-21
81, 185, 379, 381, 688, 689, 700, 723, 769, 770

RTOP 522-14-31
716

RTOP 522-15-11
157

RTOP 522-18-11
248, 265, 275, 302, 463, 808, 810

RTOP 522-18-31
485, 497

RTOP 522-21-11
25, 52, 67, 344

RTOP 522-21-51
37, 39, 68, 100

RTOP 522-21-61
140, 145, 150, 155

RTOP 522-22-11
43, 47, 55

RTOP 522-22-21
91, 108, 110, 125, 147, 154

RTOP 522-22-31
35, 42

RTOP 522-22-41
141, 153

RTOP 522-22-71
377

RTOP 522-24-11
326, 353, 359

RTOP 522-24-21
190, 193, 380

RTOP 522-25-31
23, 46, 106, 107

RTOP 522-25-41
114, 115, 164

RTOP 522-31-11
45, 60, 464, 821

RTOP 522-31-21
40, 41, 260, 370, 371, 483, 809, 817

RTOP 522-31-31
17, 18

RTOP 522-31-41
20

RTOP 522-31-51
165, 167, 168, 779, 835

RTOP 522-31-61
51, 151, 388, 405, 406, 407, 415, 430, 431, 432, 753

RTOP 522-31-81
725, 727

RTOP 522-32-11
RTOP 522-32-21
24, 93
RTOP 522-32-31
49, 58, 393, 780, 781, 793, 801, 802
RTOP 522-32-41
103, 156, 482, 487
RTOP 522-33-11
105, 142, 143, 144, 149, 160, 161, 677, 721, 722, 912
RTOP 522-33-21
678
RTOP 522-33-31
683, 709, 767
RTOP 522-35-11
136, 137, 138, 163
RTOP 522-41-11
96, 101, 104, 109, 112, 113, 119
RTOP 522-41-31
272
RTOP 522-51-21
130, 131, 132, 134
RTOP 522-51-31
135, 426, 429, 460, 462
RTOP 522-51-71
133, 214
RTOP 537-05-21
798, 820
RTOP 537-06-32
317, 318, 319, 320, 323, 332, 336, 349, 350, 357, 358
RTOP 537-06-33
233, 257
RTOP 537-06-34
362, 363, 444, 481, 486
RTOP 537-06-35
718
RTOP 537-06-37
807
RTOP 537-07-20
21, 59, 712
RTOP 537-07-21
102
RTOP 537-07-22
33
RTOP 537-09
36
RTOP 537-09-21
64, 65, 813, 902, 904, 908
RTOP 537-09-23
532, 533, 538, 541
RTOP 538-02-10
RTOP 538-02-11
285, 289, 290, 291, 298, 308, 309, 331, 773, 774, 775, 776, 777, 819, 865, 866, 867, 868

RTOP 538-03-11
795

RTOP 538-03-12
53, 470, 510, 787, 789, 791, 792, 799, 800, 803, 811, 814

RTOP 538-03-13
796

RTOP 538-03-14
684, 782, 786, 804, 812

RTOP 538-03-15
785, 794

RTOP 538-04-01
853

RTOP 538-04-11
74, 79, 82, 84, 90, 158, 449

RTOP 538-04-13
71, 72, 77, 78, 85, 86, 87, 88, 696

RTOP 538-04-14
4, 5

RTOP 538-04-22
708

RTOP 538-05-14
62

RTOP 538-05-15
14, 48, 408

RTOP 538-07-11
741

RTOP 538-07-12
883

RTOP 538-07-14
797, 816

RTOP 538-07-15
788

RTOP 538-08-11
1, 2, 3, 6, 7, 8, 10, 11, 12, 16

RTOP 538-08-12
629, 644, 648, 653, 656, 661, 662, 673

RTOP 538-08-16
542, 573

RTOP 538-08-19
534

RTOP 538-10-11
217, 234, 235, 236, 240, 244, 252, 266, 476

RTOP 538-13-11
128, 219, 221, 223, 224, 229, 231, 243, 261, 263, 284, 310, 771, 772

RTOP 538-13-12
241, 478

RTOP 538-14-12
31
RTOP 538-16-11
 9, 15
RTOP 538-18-26
70
RTOP 538-22-18
13
RTOP 548-10-11
707
RTOP 552-33-11
197
RTOP 555-14-11
129
RTOP 576-01-26
76
RTOP 581-10-11
92, 94, 122, 471, 472, 480
RTOP 581-10-21
226, 227, 239, 245, 251
RTOP 581-20-21
116, 126, 783, 784, 790
RTOP 581-20-31
805
RTOP 613-34-01
518
RTOP 621-05-05
583
RTOP 621-25-05
543, 582
RTOP 621-45-20
540, 549, 566, 576, 577, 585, 586, 587, 634
RTOP 621-82-52
609, 665, 670
RTOP 622-07-65
837
RTOP 622-09-13
522
RTOP 622-14-60
625, 626, 627, 636
RTOP 622-14-61
552, 557
RTOP 622-29-26
474, 843
RTOP 622-33-28
596
RTOP 622-43-31
530, 594, 610, 639, 647, 654, 655, 666
RTOP 622-44-42
574
RTOP 622-44-73
599
RTOP 622-56-37
556, 575, 579
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