Contents

Chapter		Page
1.	Executive Summary	3
2.	Introduction	21
3.	issues and Findings	27
4.	Development and Characteristics of the U.S. Space Program	81
5.	U.S. Civilian Space Program	105
6.	Relationship Between the Civilian and National Security Space Programs	145
7.	International Efforts in Space	175
8	Commercialization of Space Technology	219
9	Institutional Considerations	241
10,	Policy Alternatives and Their Assessment.	267

APPENDIXES

Appendix	Page
A. Institutional Evolution of the U.S. Space Program	307
B. Use of Landsat Data by the Bureau of Land Management of the Department of the Interior	315
C. Foreign Agriculture Service, Department of Agriculture, Crop Condition Assessment	329
D. Materials Science and Engineering in Microgravity.	334
E ,World Climate, the Oceans, and Early indications of Climatic Change	341
F. The International Legal Regime of Outer Space	347
G. Background for International Programs	360
H. Industrial Innovative Process	365
1. National Aeronautics and Space Act of 1958, as Amended	372
Abbreviations, Acronyms, and Glossary	385