

# **CONTENTS**

Preface **v**

Foreword **ix**

<b>1. Introduction</b>	<b>1</b>
<b>2. The Small Gas Turbine Aircraft Engine</b>	<b>11</b>
<b>3. Genesis of the Industry</b>	<b>27</b>
<b>4. Teledyne CAE</b>	<b>85</b>
<b>5. Lycoming</b>	<b>147</b>
<b>6. General Electric Small Aircraft Engines</b>	<b>229</b>
<b>7. Williams International</b>	<b>383</b>
<b>8. Pratt &amp; Whitney Canada</b>	<b>433</b>
<b>9. Allison</b>	<b>519</b>
<b>10. Garrett (AlliedSignal Engines)</b>	<b>611</b>
<b>11. Miniature and Model Turbine Engines</b>	<b>729</b>
<b>12. The Historical Evolution of the Industry: A Comparative Summary, Analysis, and Conclusion</b>	<b>739</b>

## **APPENDICES**

<b>A. Rationale for the Engine Data Tables and Genealogy Charts</b>	<b>815</b>
<b>B. Data Tables and Genealogy Charts</b>	<b>817</b>

**C. Acronyms and Abbreviations 948**

Acknowledgements **955**

Index **967**