

# Contents

|  |     |
|--|-----|
| In Re John D. Clark                        | ix  |
| Preface                                    | xi  |
| 1 How It Started                           | 3   |
| 2 Peenemunde and JPL                       | 12  |
| 3 The Hunting of the Hypergol . . .        | 24  |
| 4 . . . and Its Mate                       | 47  |
| 5 Peroxide—Always a Bridesmaid             | 66  |
| 6 Halogens and Politics and Deep Space     | 72  |
| 7 Performance                              | 90  |
| 8 Lox and Flox and Cryogenics in General   | 103 |
| 9 What Ivan Was Doing                      | 115 |
| 10 “Exotics”                               | 120 |
| 11 The Hopeful Monoprops                   | 131 |
| 12 High Density and the Higher Foolishness | 174 |
| 13 What Happens Next                       | 190 |
| Glossary                                   | 193 |
| Index                                      | 197 |