

PHIL BRADLEY

The

Advanced

**INTERNET
SEARCHER'S**

Handbook

Second edition

**'an invaluable guide to searching on the Net -
a must for all Net researchers'**

EDITOR, INTERNET.WORKS

Contents

| | |
|---|-------------|
| List of figures | x |
| Preface | xiii |
| Acknowledgements | xv |
| | |
| 1 An Introduction to the Internet | 1 |
| Introduction | 1 |
| An overview of the internet | 1 |
| What the internet is and what it isn't | 2 |
| Search engines | 7 |
| Commercial databases | 8 |
| Virtual libraries and gateways | 9 |
| Intelligent agents | 10 |
| Newsgroups and mailing lists | 10 |
| The information mix | 11 |
| Better searching | 12 |
| Better software | 12 |
| Where to go next? | 13 |
| Summary | 13 |
| URLs mentioned in this chapter | 13 |
| | |
| Part 1 Mining the Internet for Information | 15 |
| 2 An Introduction to search engines | 17 |
| Introduction | 17 |
| The rise of the search engine | 18 |
| Free-text search engines | 19 |
| Index- or directory-based search engines | 21 |
| Multi- or meta-search engines | 22 |
| Natural-language search engines | 23 |

| | | |
|----------|---|-----------|
| | Resource- or site-specific search engines | 24 |
| | How search engines work | 25 |
| | Summary | 28 |
| | URLs mentioned in this chapter | 29 |
| 3 | Free-text search engines | 30 |
| | Introduction | 30 |
| | <i>AltaVista</i> | 30 |
| | <i>Lycos</i> | 44 |
| | <i>HotBot</i> | 47 |
| | <i>Northern Light</i> | 48 |
| | Other free-text search engines | 51 |
| | Summary | 52 |
| | URLs mentioned in this chapter | 52 |
| 4 | Index-based search engines | 53 |
| | Introduction | 53 |
| | <i>Yahoo!</i> | 53 |
| | Other index-based search engines | 65 |
| | Summary | 67 |
| | URLs mentioned in this chapter | 68 |
| 5 | Multi-search engines | 69 |
| | Introduction | 69 |
| | What is a multi-search engine? | 69 |
| | Summary | 78 |
| | URLs mentioned in this chapter | 78 |
| 6 | Natural language search engines | 80 |
| | Introduction | 80 |
| | <i>Ask Jeeves</i> | 81 |
| | Other similar search engines | 82 |
| | Summary | 83 |
| | URLs mentioned in this chapter | 83 |

| | | |
|-----------|--|------------|
| 7 | Finding images, sounds and multimedia information | 84 |
| | Introduction | 84 |
| | Finding images on the internet | 85 |
| | Finding sounds on the internet | 89 |
| | Multimedia | 91 |
| | Summary | 92 |
| | URLs mentioned in this chapter | 92 |
| 8 | Finding people | 94 |
| | Introduction | 94 |
| | Standard search engines | 95 |
| | E-mail search engines | 95 |
| | People finders | 96 |
| | Specific tracking services | 99 |
| | Summary | 100 |
| | URLs mentioned in this chapter | 100 |
| 9 | Other available database resources | 102 |
| | Introduction | 102 |
| | Freely available information provided by publishers | 103 |
| | Creating an online community | 104 |
| | Commercial information | 105 |
| | Online journals | 108 |
| | Newspapers | 109 |
| | Bookshops | 110 |
| | Commercial search engines | 112 |
| | Summary | 113 |
| | URLs mentioned in this chapter | 113 |
| 10 | Virtual libraries and gateways | 114 |
| | Introduction | 114 |
| | Authority on the internet | 114 |
| | What is a virtual library? | 118 |
| | Virtual libraries currently available | 120 |
| | Other virtual libraries | 123 |
| | A virtual library in action | 123 |
| | Summary | 126 |
| | URLs mentioned in this chapter | 127 |

| | | |
|---------------|---|------------|
| Part 2 | Becoming an expert searcher | 129 |
| 11 | Intelligent agents | 131 |
| | Introduction | 131 |
| | What is an intelligent agent? | 131 |
| | Search engines or intelligent agents? | 133 |
| | Intelligent agents on the web | 134 |
| | The effect of intelligent agents on the information profession | 143 |
| | Summary | 144 |
| | URLs mentioned in this chapter. | 145 |
| 12 | Usenet newsgroups and mailing lists | 146 |
| | Introduction | 146 |
| | Usenet newsgroups | 146 |
| | Mailing lists | 157 |
| | Some guidelines on posting to newsgroups and mailing lists | 161 |
| | Summary | 163 |
| | URLs mentioned in this chapter | 164 |
| Part 3 | The future | 165 |
| 13 | The information mix and into the future | 167 |
| | Introduction | 167 |
| | Where do I go first? | 168 |
| | Some sample searches | 169 |
| | Incorporating the internet into your overall information strategy | 173 |
| | Information professionals unite! You have nothing to lose but your books . . . | 176 |
| | . . . and an intranet to gain! | 177 |
| | Commerce, the internet and the information professional | 179 |
| | Future developments | 182 |
| | Summary | 188 |
| | URLs mentioned in this chapter | 188 |

| | | |
|-----------|--|------------|
| 14 | Forty tips and hints for better and quicker searching | 189 |
| | Introduction | 189 |
| | Getting online and moving around the web | 189 |
| | When and where it's best to search | 190 |
| | Finding web pages | 191 |
| | Finding information on a page | 191 |
| | Saving pages | 193 |
| | Printing pages | 194 |
| | Displaying pages | 195 |
| | Moving around the web | 196 |
| | Returning to recently visited pages | 196 |
| | Running more than one copy of the browser | 197 |
| | Bookmarks | 198 |
| | Choose a new home page | 203 |
| | Getting more out of your browser's cache | 204 |
| | Productivity tips | 206 |
| | Summary | 208 |
| | URLs listed in this chapter | 209 |
| 15 | Sources for further help and assistance | 210 |
| | Introduction | 210 |
| | General information resources | 210 |
| | Mailing lists | 214 |
| | Spam | 215 |
| | Using search engines | 217 |
| | What's new services | 219 |
| | Bibliographies and bookshops | 220 |
| | Software | 221 |
| | Organizations | 227 |
| | Magazines and journals | 228 |
| | Summary | 228 |
| | URLs mentioned in this chapter | 228 |
| | Appendices | 231 |
| 1 | HTML for a search engines home page | 233 |
| 2 | Country codes | 237 |
| 3 | URLs mentioned in the book | 244 |
| | Index | 252 |