Contents

PREFACE IX
CONTENTS XI
TABLE OF FIGURES XVII

1 INTRODUCTION 1
1.1 Acme Trading Systems 2
1.2 System Summary 4
1.3 Chart Indicators 5
1.4 A Trading Model 6
1.4.1 Portfolio 7
1.4.2 Trade Manager 12
1.4.3 The Trading System 19
1.4.4 Trade Filters 22
1.5 Performance 32
1.5.1 A Tale of Two Stocks 34

2 PAIR TRADING 39
2.1 The Spread 40
2.2 Spread Bands 41
2.3 Short Selling 44
2.3.1 NYSE Rules 44
2.3.2 Nasdaq Rules 45
2.4 Hedging 45
2.5 Pair Trading System (Acme P) 46

2,11 Long A Short B Rules 47
2.5.2 Short A Long H Rules 47

2.6 Examples 51
2.6.1 Activision - THQ Incorporated 51
2.6.2 THQ - Activision 52
2.6.3 Apache-Anadarko 54
2.6.4 Allstate-Progressive 55
2.6.5 Emulex-QLogic 56
2.6.6 RF Micro Devices-TriQuint Semiconductor 57

2.7 Pair Trading Strategies 58
2.7.1 Tips and Techniques 59

3 PATTERN TRADING 61

3.1 Market Patterns 62
3.1.1 Cobra (C) 62
3.1.2 Hook (H) 63
3.1.3 Inside Day 2 (I) 64
3.1.4 Tail (L) 64
3.1.5 Harami (M) 66
3.1.6 Pullback (P) 67
3.1.7 Test (T) 68
3.1.8 V Zone (V) 69

3.2 Pattern Qualifiers 70
3.2.1 Narrow Range (N) 70
3.2.2 Average (A) 71

3.3 Pattern Trading System (Acme M) 72
3.3.1 Long Signal 72
3.3.2 Short Signal 73

3.4 Examples 79
3.4.1 Abgenix 79
3.4.2 PMC-Sierra 80
3.4.3 Check Point Software 81
3.4.4 New York Futures Exchange 82
3.4.5 Comverse Technology 83
3.4.6 Nasdaq Composite Index 83
3.4.7 Computer Associates 84

4 FLOAT TRADING 85

4.1 Float Box ..87

4.2 Float Channel. .88

4.3 Float Percentage .89

4.4 Float Trading System (Acme F) ... .90
4.4.1 Breakout System (Acme FB). .91
4.4.2 Pullback System (Acme FP).. ..92

4.5 Examples ..97
4.5.1 THQ Incorporated ...97
4.5.2 Juniper Networks ...98
4.5.3 Ariba ...99
4.5.4 Ciena .100
4.5.5 CheckPoint Software. .101
4.5.6 FLIR Systems .102

4.6 Float Trading Strategies.... .102

5 GEOMETRIC TRADING 105

5.1 Rectangle .106

5.2 Rectangle Trading System (Acme R). .109
5.2.1 Long Signal .109
5.2.2 Short Signal .110

5.3 Examples , .112
5.3.1 AirGate PCS .112
5.3.2 Rambus ..113
5.3.3 Electro-Optical Engineering ,114
5.3.4 Stericycle ..114

5.4 Double Bottom 115

5.5 Double Top ,116

5.6 Triple Bottom ,118

5.7 Triple Top .119

5.8 Triangle .119

6 VOLATILITY TRADING **123**

6.1 Linear Regression **124**

6.2 Volatility Trading System (Acme V) **126**
6.2.1 Long Signal 127
6.2.2 Short Signal 127

6.3 Examples **129**
6.3.1 Microsemi Corporation 129
6.3.2 Veritas Software 131
6.3.3 webMethods 131
6.3.4 SeaChange 132
6.3.5 Biotechnology Index 133
6.3.6 Computer Associates 133

7 RANGE TRADING 135

7.1 Range Ratio **136**

7.2 Range Patterns **137**
7.2.1 Inside Day 2 (ID2) 137
7.2.2 Inside Day-Narrow Range 4 (IDNR4) 138
7.2.3 Narrow Range 2 (NR2) 138
7.2.4 Narrow Range 10 (NR10) 139
7.2.5 Narrow Range % (NR%) 139

7.3 Range Trading System (Acme N) **140**
7.3.1 Long Signal 141
7.3.2 Short Signal 142

7.4 Examples **145**
7.4.1 Nasdaq Composite Index 145
7.4.2 Securities Broker/Dealer Index 147
7.4.3 Analog Devices 149
7.4.4 Taro Pharmaceutical 150
7.4.5 Multimedia Games 151

8 MARKET MODELS 153

8.1 Systems Model **154**

8.2 Sentiment Model **158**
8.2.1 Volatility Index (VIX) 158
8.2.2 Put/Call Ratio 161
8.2.3 New Highs 162
8.2.4 New Lows 163
8.2.5 Arms Index (TRIN) 164
8.2.6 Bullish Consensus 165
8.2.7 Short Sales Ratio 165

8.3 Market Trading System **167**
8.3.1 Long Signal 168
8.3.2 Short Signal 168

8.4 Examples **172**

8.5 Data Sources **176**

9 TOOLS OF THE TRADE 177

9.1 Tyco Case Study **178**

9.2 Preparation **179**
9.2.1 Software 180

9.3 A Trading Day **181**
9.3.1 Chart Review **186**

10 DAY TRADING 193

10.1 Finding a Day Trading Firm **194**

10.2 Trading the Nasdaq **196**
10.2.1 Nasdaq Market Participants 196
10.2.2 Level II Quotations 198
10.2.3 Level II Tutorial 199
10.2.4 Case Study: ImClone Systems 201
10.2.5 Case Study: Comverse Technology 203
10.2.6 Case Study: OSCA Inc 205

10.3 Day Trading Techniques **206**
10.3.1 Gap Trading 207
10.3.2 Continuation Trading 209
10.3.3 Block Trading 213
10.3.4 Spread Trading 215

10.4 The Trading Day **216**
10.4.1 Before the Bell 216
10.4.2 The Open 220
10.4.3 Lunch Hour 221
10.4.4 The Close 221
10.4.5 After the Bell 223

11 SOURCE CODE 225

11.1 Inventory **226**
11.1.1 Web Site 226
11.1.2 Money Management 226
11.1.3 Geometric Trading 227
11.1.4 Market Models 227
11.1.5 Pair Trading 228
11.1.6 Range Trading 228
11.1.7 Pattern Trading 229
11.1.8 Volatility Trading 229
11.1.9 Float Trading 230

11.2 Compilation **230**
11.2.1 Creating an Archive 230
11.2.2 Importing the Code into TradeStation 6 233

11.3 Using the Software **234**
11.3.1 Acme All Strategies 234
11.3.2 Acme Spread Indicator 234
11.3.3 AcmeGetFloat Function 234

11.4 Source Code.

REFERENCES 301

INDEX 303

Table of Figures

Figure 1.1. Trading Model 6
Figure 1.2. Visual Cues 12
Figure 1.3. Trade Entry 15
Figure 1.4. Trade Exit 18
Figure 1.5. Trade Distribution 20
Figure 1.6. Average True Range 23
Figure 1.7. Long Entry at 50-day Moving Average 25
Figure 1.8. Short Entry at 50-day Moving Average 25
Figure 1.9. Ariba Low-Priced Stock Example 26
Figure 1.10. Historical Volatility 28
Figure 1.11. Narrow Range Bars 29
Figure 1.12. Average Directional Index 30
Figure 1.13. Directional Movement Index 31
Figure 1.14. Equity Curve 34
Figure 1.15. Low Volatility: Cigna 36
Figure 1.16. High Volatility: Ciena 37
Figure 2.1. The Spread 41
Figure 2.2. Correlation Coefficient 42
Figure 2.3. Spread Bands 43
Figure 2.4. Activision-THQIncorporated Pair 51
Figure 2.5. THQIncorporated-Activision Pair 52
Figure 2.6. Apache-Anadarko Pair 54
Figure 2.7. Allstate-Progressive Pair 55
Figure 2.8. Emulex-QLogic Pair 56
Figure 2.9. RF Micro Devices-TriQuint Semiconductor Pair 57
Figure 3.1. Cobra 63
Figure 3.2. Hook 63
Figure 3.3. Inside Day 2 64
Figure 3.4. Tail 65
Figure 3.5. Harami 66
Figure 3.6. Fullback 68
Figure 3.7. Test 69
Figure 3.8. V Zone 69
Figure 3.9. Narrow Range Qualifier 71
Figure 3.10. Average Qualifier 71
Figure 3.11. Abgenix Pattern 79
Figure 3.12. PMC-Sierra Pattern 80
Figure 3.13. Check Point Software Pattern 81
Figure 3.14. NYFE Index Pattern 82
Figure 3.15. Comverse Technology Pattern 83

Figure 3.16. Nasdaq Composite Index Pattern 83
Figure 3.17. Computer Associates Pattern 84
Figure 4.1. Float Box 87
Figure 4.2. Float Channel 88
Figure 4.3. Float Percentage 89
Figure 4.4. THQ Incorporated 97
Figure 4.5. Juniper Networks 98
Figure 4.6. Ariba 99
Figure 4.7. Ciena 100
Figure 4.8. Check Point Software 101
Figure 4.9. FLIR Systems 102
Figure 5.1. Rectangle 106
Figure 5.2. AirGate PCS Rectangle 112
Figure 5.3. Rambus Rectangle 113
Figure 5.4. Electro-Optical Engineering Rectangle 114
Figure 5.5. Multiplicity 114
Figure 5.6. Double Bottom 115
Figure 5.7. Double Top 116
Figure 5.8. Triple Bottom 118
Figure 5.9. Triple Top 119
Figure 5.10. Stealth Triangle 120
Figure 5.11. PECS Stealth Triangle 121
Figure 5.12. SEAC Stealth Triangle 121
Figure 6.1. Linear Regression Line, Point 1 124
Figure 6.2. Linear Regression Line, Point 2 125
Figure 6.3. Linear Regression Curve 126
Figure 6.4. Microsemi Corporation Volatility 129
Figure 6.5. Veritas Software Volatility 131
Figure 6.6. webMethods Volatility 132
Figure 6.7. SeaChange Volatility 132
Figure 6.8. Biotechnology Index Volatility 133
Figure 6.9. Computer Associates Volatility 134
Figure 7.1. Range Ratio 136
Figure 7.2. ID2 Example 137
Figure 7.3. IDNR Example 138
Figure 7.4. NR25 Example 138
Figure 7.5. NR10 Example 139
Figure 7.6. NR%50 Example 139
Figure 7.7. Nasdaq Composite Index 145
Figure 7.8. Securities Broker/Dealer Index 148
Figure 7.9. Analog Devices 149
Figure 7,10. Taro Pharmaceutical 150

Figure 7.11. Multimedia Games 151
Figure 8.1. Systems Model for QQQ 155
Figure 8.2. Volatility Index (VIX) 158
Figure 8.3. VIX Mirror Image 159
Figure 8.4. Put/Call Ratio Peak 161
Figure 8.5. Put/Call Ratio Trough 162
Figure 8.6. New Highs 163
Figure 8.7. New Lows 163
Figure 8.8. Arms Index, or TRIN 164
Figure 8.9. Bullish Consensus 165
Figure 8.10. Public to Specialist Short Sales Ratio 166
Figure 8.11. Short Sales Ratio 166
Figure 8.12. S&P 500 Index (09/01 - 02/02) 172
Figure 8.13. S&P 500 Index (12/01 - 03/02) 173
Figure 8.14. S&P 500 Index June 1998 175
Figure 9.1. Tyco Daily Chart 178
Figure 9.2. Tyco Intraday Chart 179
Figure 9.3. Nasdaq Composite Index Reversal 182
Figure 9.4. Boise Cascade Position Open Orders 184
Figure 9.5. Handspring Position Open Orders 184
Figure 9.6. Engineered Support Systems Entry Order 187
Figure 9.7. Business Objects Entry Order 187
Figure 9.8. Overture Services Entry Order 188
Figure 9.9. CACI Entry Order 189
Figure 9.10. Engineered Support Systems Update 189
Figure 9.11. Business Objects Position 190
Figure 9.12. Overture Services Update 190
Figure 9.13. CACI Open Position 191
Figure 9.14. Rent-a-Center 192
Figure 9.15. Corporate Executive Board 192
Figure 10.1. Level II Window 198
Figure 10.2. Level II Snapshot 1 199
Figure 10.3. Level II Snapshot 2 200
Figure 10.4. Level II Snapshot 3 201
Figure 10.5. ImClone Intraday 202
Figure 10.6. ImClone Daily 203
Figure 10.7. Comverse Technology 204
Figure 10.8. OSCA Inc 205
Figure 10.9. Daily Money Flow 206
Figure 10.10. Intraday Money Flow 207
Figure 10.11. Ciena Opening Range Breakout 208
Figure 10.12. Panera Bread Gap Confirmation 210

Figure 10.13. Acambis News Continuation..... .212
Figure 10.14. Rambus Breakout Continuation.. .213
Figure 10.15. Ciena: November 12, 2001..... .219
Figure 10.16. Ciena: February 5, 2002..... .219
Figure 10.17. M Tops with Bollinger Bands..... .222
Figure 10.18. W Bottom with Bollinger Bands. .222
Figure 10.19. Cepheid..... .224