# Contents

Preface: Peter Drucker’s Pension Revolution: Here at Last  xxiii

Introduction: Why a Pension Revolution Now?  xxvii
  The Trouble with DB Plans xxvii
  DC Plans Are Not the Answer Either xxviii
  Expert Pension Co-ops xxix
  TOPS Tipping Points xxx

PART ONE

The Pension Revolution: Touchstones

CHAPTER 1

Are Pension Funds “Irrelevant”?  3
  An “Unreasonable” Actuary?  3
  Exley’s Four Irrelevance Propositions  4
  So What Is Relevant?  4
  Responding to Exley  6
  Relevant Pension Funds: Building the Case  6
  Managing Retirement Income Risks  7
  Leveling the Informational Playing Field  7
  Getting the Execution of the Idea Right  8

CHAPTER 2

The Pension Revolution—Are You a Believer Yet?  9
  A Revolutionary Reordering of the Pensions Firmament  10
  From Fuzzy Pension Deals to “Risk-Sharing Co-ops”  10
  Toward Pension “Business Models” That Work: The Risk Issue  11
  Toward Pension “Business Models” That Work: The Scale Issue  12
  The Pension Governance Issue  13
CHAPTER 7
Winning the Pension Revolution: Why the Dutch Are Leading the Way 42
The Globe’s Number One Pensions Country 42
Culture, Compactness, and Leadership 44
Regulatory Leadership 45
Research Leadership 46
A Remaining Challenge: Solving the Organization Design Puzzle 46
What About the Other Pensions Countries? 47

CHAPTER 8
Pension Reform: Evolution or Revolution? 48
A Pension “Tipping Point” Indeed 48
What Should Happen? 49
Pension Reform in the United States 50
Pension Reform Elsewhere 51
Pension Reform: Evolution or Revolution? 52

PART TWO
Building Better Pension Plans

CHAPTER 9
Can Game Theory Help Build Better Pension Plans? 57
Pension Games 57
Why do Pension Game Switches Occur? 58
Who Are the Stakeholders and What do They Want? 59
Sources of Risk in Pension Schemes 60
Mitigating Micro Risks 60
Can We Mitigate Macro Risks? 61
Is Investment Risk Worth Taking in DB Plans? 61
Can Game Theory Build Better Pension Plans? 62

CHAPTER 10
If DB and DC Plans Are Not the Answers, What Are the Questions? 63
From Answers to Questions 63
Ultimate Pension Questions and Their Consequences 64
Underwriting Pension Mismatch Risk: Any Volunteers? 64
Should Pension Mismatch Risk Be Minimized? 66
Pension-Delivery Institutions 67
Benchmarking Traditional DB and DC Plans 67
The Way Ahead 68
CHAPTER 11
Human Foibles and Agency Dysfunction: Building Pension Plans for the Real World 69
  Some Fundamental Questions First 69
  Back to First Principles 70
  Human Foibles 71
  Agency Issues 72
  Counteracting Human Foibles 73
  Minimizing Agency Costs 74
  TOPS, Employers, and Public Policy 75
  TOPS and DB Plans 77

CHAPTER 12
DB Plans and Bad Science 78
  Science and the Design of Pension Contracts 78
  The TOPS Contract 78
  Taking on Investment Risk: Implications 79
  Is Investment Regime Risk Insurable? 80
  Intergenerational Bargaining 81
  Robust Course-Correction Mechanisms Required 82
  The Flawed DB Model 82
  Bad Science 83

CHAPTER 13
Peter Drucker’s Pension Legacy: A Vision of What Could Be 84
  Two Handshakes to Remember 84
  The Melbourne Message 85
  TOPS: Neither DC nor DB 86
  TOPS and Investing 87
  TOPS and Governance 87
  TOPS and the Real World 88
  The Drucker Visit 89

PART THREE
Pension Fund Governance

CHAPTER 14
Reinventing Pension Fund Management: Easier Said than Done 93
  A Paradigm Shift? 93
  Novelties of Fact 94
**Novelties of Theory** 94
**Pension Industry Responses** 96
**Crossing the “Innovation Chasm”** 97

### CHAPTER 15
**Should (Could) You Manage Your Fund Like Harvard or Ontario Teachers’?** 99
  - **Four Things in Common** 99
  - **Legal Foundations: Solid or Not?** 100
  - **Governance and Management: Understanding the Difference** 101
  - **Investment Beliefs: Theirs or Yours?** 102
  - **Investment Processes: Like Wall Street?** 103
  - **Should You Manage Like HMC or OTPP?** 104
  - **Could You Manage Like HMC or OTPP?** 104

### CHAPTER 16
**“Beauty Contest” Investing: Not Dead Yet** 106
  - **“Déjà Vu All Over Again”** 106
  - **Why “Beauty Contest Investing” Is Ugly** 108
  - **Integrative Investment Theory** 108
  - **Investment Beliefs** 109
  - **Managing from the Inside Out** 110

### CHAPTER 17
**Eradicating “Beauty Contest” Investing: What It Will Take** 112
  - **The Ugliness of “Beauty Contest” Investing** 112
  - **A Two-Pronged Eradication Strategy** 113
  - **What Corporations Must Do** 114
  - **What Investing Institutions Must Do** 114
  - **A Debilitating Pension Fund Governance Problem** 115
  - **Light at the End of the “Beauty Contest” Tunnel?** 117

### CHAPTER 18
**High-Performance Cultures: Impossible Dream for Pension Funds?** 118
  - **Thinking and Acting Like Goldman Sachs** 118
  - **New Research Results** 119
  - **Specific Governance and Management Challenges** 121
  - **In Conclusion** 122
CONTENTS

CHAPTER 19
How Much Is Good Governance Worth? 124
Governance Quality and Organization Performance Should Be Related 124
A Road Map for the Journey of Discovery 125
The Pension CEO Score and NVA Metrics: The Data 126
Pension CEO Scores Meet NVA Metrics 127
Further Insights 128
The Value of Good Governance 129

PART FOUR
Investment Beliefs

CHAPTER 20
The 10 Percent Equity Return Illusion: Possible Consequences 133
Consequential Miscalculations 133
Why 10 Percent Doesn’t Work 134
Painted into an Awkward Corner? 136
Consequences 137

CHAPTER 21
Stocks for the Long Run? . . . or Not? 139
A Debate with Jeremy Siegel 139
How Investment Theory Became Investment Practice 140
What Is Wrong with These “Proofs”? 141
What if “Reality” Is Not a Random Walk? 141
Investment Regimes, Dividend Yields, and ERPs 143
The Post-Bubble Blues Decade 143

CHAPTER 22
“Persistent Investment Regimes” or “Random Walk”? Even Shakespeare Knew the Answer 145
The Ambachtsheer-Siegel Debate Revisited 145
History on Our Side 146
The Investment Returns Story: How to Tell It 147
The “Investment Regime” Game: Spot Today’s Well Before It’s Over, and Tomorrow’s Before It’s Gone on Too Long 148
“Regime Spotting” versus “Random Walk”: Which Is More Useful? 149
Theory on Our Side, Too 150
Fellow Travelers 150

CHAPTER 23
The Fuss about Policy Portfolios: Adrift in Institutional Wonderland 151
Tempest in a Teapot . . . or Not? 151
Duality in Finance: A Brief History 152
Financial Duality in Pension and Endowment Funds:
   Building the Conceptual Framework 153
New Insights from the CEM Database 154
Enter Organizational Dysfunction 155
Decisions by Default 156

CHAPTER 24
Shifting the Investment Paradigm: A Progress Report 157
The “Policy Portfolio” Debate Continues 157
A Lens to See the World 158
Why the “Old” Lens Distorts 158
A Varying Equity Risk Premium 159
A New Lens 160
A Higher Level of Thinking 161
Glimmers of Light 163

CHAPTER 25
Whose “Investment Beliefs” Do You Believe? 164
Writing an “Investment Beliefs” Statement 164
Inferring Beliefs from Actions 165
Measuring Predictive Ability 166
What about Market Timing and Strategic Asset Allocation? 167
Expected ERP Powerful Predictor 167
Enter Woody Brock 168
In Conclusion 169

CHAPTER 26
Our 60-40 Asset Mix Policy Advice in 1987: Wise or Foolish? 171
Why Roll the Clock Back 20 Years? 171
Leibowitz’s Immunization Campaign 172
Investment Beliefs in 1987 173
Investment Beliefs in 1997 173
The Right Kind of Active Management 174
Wise or Foolish? 175
CHAPTER 27
“But What Does the Turtle Rest On?” A Further Exploration of Investment Beliefs 177
“But What Does the Turtle Rest On?” 177
The Efficient Markets Hypothesis: Fact or Fiction? 178
The Three Strikes against the EMH 179
Economists and “Operationally Meaningful Theorems” 180
The Adaptive Markets Hypothesis 180
The AMH’s Five Practical Implications 182
The AMH and Integrative Investment Theory 182

CHAPTER 28
Professor Malkiel and the New Investment Paradigm: Raining on the Parade? 184
Raining on the “New Paradigm” Parade? 184
The Bases for Malkiel’s Skepticism 185
An Alternative Conclusion 186
Winning Evidence 187
The “Good Governance” Boost 188
We’re Both Right 189

CHAPTER 29
The “Post-Bubble Blues Decade”: A Progress Report 190
Another Nail in the IID Coffin 190
Why Non-IID Logic Wins 191
Investment Regimes in the Real World 192
What Seems to Actually Be Happening? 193
Some Actual Numbers 194
The Bottom Line 195

PART FIVE
Risk in Pension Plans

CHAPTER 30
Rethinking Funding Policy and Regulation: How Should Pension Plans Be Financed? 199
The Devil in the Details 199
How Many Course-Correction Tools? 200
Making Financing Decisions: In Whose Interest? 201
An Analytical Framework for Assessing DB Plan Financing
   Decisions 202
   “Rational” Explanations 203
   Four Principles to Fund By 204

CHAPTER 31
Funding Policy and Investment Policy: How Should They Be Integrated in DB Pension Plans? 206
   Principles to Fund and Invest By 206
   What Makes DB Pension “Contracts” Risky? 208
   Should DB Funding Target Calculations Assume That More Risk Means More Return? 208
   Is Current “Accepted Actuarial Practice” Unacceptable? 209
   What Is an “Acceptable Level of Certainty”? 210
   Surplus Ownership 211
   Cleaning Up Our Act 212

CHAPTER 32
Resurrecting Ranva: Adjusting Investment Returns for Risk 213
   Resurrecting RANVA 213
   RANVA in 1998 214
   Measuring RANVA in the Real World 215
   The 2000 to 2004 Experience: Lessons 216
   Remaining Barriers 217

CHAPTER 33
Adjusting Investment Returns for Risk: What’s the Best Way? 219
   Resurrecting RANVA 219
   The “Cost of Market Volatility” Approach 220
   The “Cost of Insurance” Approach with Risk Buffers 222
   The “Cost of Insurance” Approach with Put Options 223

PART SIX
Measuring Results

CHAPTER 34
Pension Plan Organizations: Measuring “Competitiveness” 227
   Pension Plan Organizations and “Legitimacy” 227
   “Provider of Choice” for Which Services? 228
CHAPTER 35
Measuring DC Plans as “Value Propositions”: The New Imperative for Plan Sponsors

Silk Purses from Sows’ Ears
Measures of “Prudence”
The “Own-Company Stock” Phenomenon
Understanding DC Plan Total Returns
DC versus DB Plan Cost Performance
Other DC Plan Performance Metrics
“Value Proposition”: Yes or No?

CHAPTER 36
Measuring Pension Fund Behavior (1992 to 2004): What Can We Learn?

A Well-Endowed Database
Current International Investment Policy and Implementation Style Differences
Ten-Year Investment Policy and Implementation Style Trends for U.S. Funds
Did Active Management Add Value?
The Selection “Alphas”: Good News and Bad News
Is There Also a Payoff from Actively Managing Pension Fund Costs?
Two Important Lessons Learned Thus Far

PART SEVEN
Pensions, Politics, and the Investment Industry

CHAPTER 37
Whither Security Analysis?

Bubble, Bubble, Toil and Trouble
Fortune Trashes Wall Street
Is Better Regulation the Answer?
Reversing the Financial Food Chain
Contents

What Is Security Analysis, Anyway? 257
Even Good Security Analysis Needs Context 257
Effective “Buy-Side” Structures 258
In Conclusion 259

CHAPTER 38
Pension Funds and Investment Firms: Redefining the Relationship 260

Who Are the Simbas of the Pension Investment Kingdom? 260
The Money Flood 261
A Question of Governance 261
Enter the Anthropologists 262
A Call to “Excellence” 263
What Do “Excellent” Pension Funds Look Like? 264
A Supplier-Driven Market 265
The Tiny Equity Risk Premium Factor 265
“New Paradigm” Pension Funds: What Kind of Investment Services Do They Want? 267
New Pension Fund–Investment Firm Partnerships 270
Could You Be a “New Paradigm” Player? 271

CHAPTER 39

Test Driving the New Paradigm 272
Pension Politics and Economics 273
Pension Plan Governance 276
The New Pension Fund Management Paradigm 277
Putting the Paradigm in Practice 278
Performance Measurement 281
Did the Yardsticks Move Forward or Backward? 282

CHAPTER 40
Reconnecting GAAP and Common Sense: The Cases of Stock Options and Pensions 283

Closing the Information GAAP 283
When Are Employee Stock Options “Expenses”? 284
The Common-Sense Solution in Action 285
Current Pension Accounting Rules Defy Common Sense, Too 285
Sensible Pension Accounting Rules 287
Common Sense in Action 288
Carpe Diem 289
CHAPTER 41
Is Sri Bunk? 290
- SRI and Zen 290
- What Is “Socially Responsible Investing”? 290
- A Slippery Slope? 291
- Sustainable Investing 292
- Assessing the Sustainability of Dividend Growth 293
- From Saying to Doing: A Case Study 294
- Redefining the SRI Revolution 294

CHAPTER 42
Alpha, Beta, Bafflegab: Investment Theory as Marketing Strategy 296
- Giving Alpha and Beta a Rest 296
- The Beautiful Art of Language 297
- The Myth of “Absolute-Return Investing” 298
- Investment Theory with the End in Mind 298
- The Critical Role of Fund Governance 299
- Pension Revolution 300

CHAPTER 43
- Pension Wisdom from the United Kingdom 302
- Turner’s Recommendations 303
- The Power of Integrative Thinking 303
- Blueprint for Global Pension Reform 304
- NPSS Governance, Management, and Investment Options 307
- Moving Forward 308

CHAPTER 44
- Eight Hands, Four Economists, and One Point of View 309
- Powerful Pension Policy Implications 310
- Labor Markets and Human Capital 311
- Optimal Risk Sharing 312
PART EIGHT

The Case of PERS

CHAPTER 45

PERS and the Pension Revolution: Active Participant . . . or Passive Bystander?  
Alyson Green’s New Job  
History of Workplace Pensions  
The 1976 to 2005 Period  
Governance–Organizational Issues at PERS  
Finance–Investment Beliefs  
Pension Contract–Risk Issues at PERS  
Is a Higher Contribution Rate the Answer?  
More Drastic Action Indicated  
Spreading the Pain Evenly  
Is Risk-Sharing an Essential Pension Plan Feature?  
Getting from Here to There  
Devising an Action Plan

CHAPTER 46

Advice for Alyson Green: How PERS Can Join the Pension Revolution  
Case Discussion Summary from October 25, 2005  
The PERS Situation  
The PERS Debate

In Conclusion: A Call to Arms