

FINANCIAL ACCOUNTING

Ronald M. Copeland UNIVERSITY OF SOUTH CAROLINA

Paul E. Dascher

DREXEL UNIVERSITY

Dale L. Davison

ARIZONA STATE UNIVERSITY

JOHN WILEY & SONS NEW YORK CHICHESTER BRISBANE **TORONTO**

Material from the Certificate in Management Accounting Examinations, copyright © 1976, 1977, 1978, and 1979 by the National Association of Accountants, is adapted with permission.

Material from the Uniform CPA Examinations and Unofficial Answers, copyright © 1977, 1978 by the American Institute of Certified Public Accountants, Inc., is adapted with permission.

Copyright @ 1980, by John Wiley & Sons, Inc.

All rights reserved. Published simultaneously in Canada.

Reproduction or translation of any part of this work beyond that permitted by Sections 107 and 108 of the 1976 United States Copyright Act without the permission of the copyright owner is unlawful. Requests for permission or further information should be addressed to the Permissions Department, John Wiley & Sons, Inc.

Library of Congress Cataloging in Publication Data:

Copeland, Ronald M
Financial accounting,
Includes index.

1. Accounting. I. Dascher, Paul E., joint author.
II. Davison, Dale L., joint author. III. Title.
HF5635,C7614 657 79-18276
ISBN 0-471-17173-5

Printed in the United States of America 1098765432

ABOUT THE AUTHORS

Ronald M. Copeland is the Business Partnership Foundation Fellow and Professor of Accounting at the University of South Carolina. He received a B.B.A. degree from the University of Massachusetts, an M.S. degree from The Pennsylvania State University, and a Ph.D. from Michigan State University. He has been a member of the faculties of Elizabethtown College, The Pennsylvania State University, and Michigan State University. Professor Copeland has coauthored several books including *Financial Statements*, and *Advanced Accounting*, and has contributed a chapter to the *Accountants' Handbook*. In addition, he has written many articles for leading academic and professional journals, and is an active member of several academic and professional organizations. His current research interest is in the development of new techniques for applying managerial accounting to nonprofit organizations.

Paul E. Dascher received B.S., M.S., and Ph.D. degrees from The Pennsylvania State University. Currently he is Dean of the College of Business and Administration of Drexel University. He has taught on the accounting faculties of Virginia Polytechnic Institute, The Pennsylvania State University and Drexel University. He has written many articles that have appeared in leading academic and professional journals. Professor Dascher has served as President of the Philadelphia Chapter of the National Association of Accountants, Vice President of Administrators of Accounting Programs Group, American Accounting Association, and Vice President of Community Accountants, in addition to other professional duties. He has served on the editorial board of *The Accounting Review* and was the founder and original director of the Intercollegiate Clearing House for Computer Programs. Drs. Dascher and Copeland have coauthored a book, *Managerial Accounting*, which is designed to be a companion to the current book.

Dale L. Davison is Associate Professor of Accounting at Arizona State University. Before joining Arizona State, Dr. Davison taught at the University of South Carolina, Clemson University, and the University of Georgia. He has assumed an active role as member of several committees of the American Accounting Association, and as faculty advisor to Beta Alpha Psi. In addition, Dr. Davison has written several articles that have appeared in accounting journals. Dr. Davison earned a B.S. Degree in Accounting from Northeast Lousiana University, and both the M.B.A. and Ph.D. degrees from the University of Georgia.

PREFACE

Financial Accounting is an introductory level textbook, appropriate for a one-semester or a two-quarter elementary accounting course. No previous exposure to the material is assumed and the book is intended to be used alone or enriched with appropriate supplemental materials at the option of the instructor.

This book does not make a radical departure from the traditional approach to financial accounting. Instead, it focuses on the underlying theory of the discipline and enhances the presentation with an organization and approach that match the developing thrust of current practice. Consistent with this organization is the goal of presenting concepts and exploring underlying theory through discussion and generalized examples. The text is divided into five major sections.

Section one presents an introduction to accounting and is intended to orient the student. It begins by emphasizing the importance and usefulness of financial statements and develops a basic set—including balance sheet, income statement, and funds flow statement—from a realistic example. In essence, this establishes parameters for the book and provides a context for the remaining chapters.

Section two leads into the fundamentals of the accounting process. The debit/credit, mechanism, the journal, and the ledger are introduced and explained. This section uses procedural illustrations to view accounting as a processing system, developed and functioning in a manner parallel to other information systems.

Section three views the accounting process in the context of the income statement. At this point, the text begins to emphasize income determination.

Section four deals with particular issues involved in recording and reporting asset, liability, and equity items. These chapters, while developed with a recognition of the importance of reporting earnings, provide specific treatments on subjects that affect particular transaction-based accounts.

Section five presents topics that can enhance the student's grasp of accounting. The capstone of this section is a chapter dealing with the total financial report, including footnotes, auditor's opinion, SEC disclosures, and the conceptual framework project. Written at an understandable level, this section serves as a bridge to allow the student to enter the total context of the development, environment, and future of the accounting profession.

Although the chapters are organized on the basis of subject content, at-

tention has been given to the amount of material included. Several chapters are subdivided into two or more *parts* to provide flexibility of coverage. This division into parts also enables the instructor to continue the pace of assignments at a constant rate.

The order of chapter sequence has been developed to reflect the structure of the instructional goal. Other arrangements and sequences may be developed by instructors without altering the flow of the material. For example, some users have suggested that Chapter 8 could be taught immediately after Chapter 6. Individuals can structure chapter assignments to meet goals of particular courses or to accommodate professorial individuality. This book has been prepared to complement the instructor, not to restrict or inhibit teaching style in any way.

Each chapter is accompanied by a *supplementary discussion*. They provide an expanded set of tools that may be used at the instructor's option without affecting the continuity of coverage. The material is presented in a narrative form and is intended to enrich the student's understanding of accounting and its business environment. Supplementary discussions range from accounting history, through inventory control systems, to nonprofit organizations and international accounting.

Supplementary discussions are positioned in the text on the basis of one of two criteria. They may support or logically build on the material presented in the chapter. Alternatively, they may present material at a place in the text where a student's exposure to accounting is sufficient to benefit from the discussion.

Assignment materials are important elements of introductory textbooks. The assignment materials here are divided in questions, exercises, and problems and are provided in sufficient numbers to ensure adequate selection. Questions are designed to focus on concepts, definitions, and descriptions. Exercises generally require data-manipulating steps that relate to chapter illustrations in a straightforward manner. Problems are based on the textual material but present reasonably complex analytical or discussion situations. All of the assignment materials have been class tested to ensure their reliability and relevance. Care has been taken to guarantee that each point covered in the chapter is reinforced by at least three assignment items. While appropriate for the level of the text, the assignment items draw on realistic situations and develop problems from pertinent data. Several questions appearing in the Uniform CPA Examination and the Certificate in Management Accounting Examination have been included in the assignments. In all these cases, the problems have been specifically adapted to this book but with review and modification of some requirements in terms of the chapter coverage.

Several learning materials are available to aid instructors and students using Financial Accounting. A Student Study Guide to Accompany Finan-

cial Accounting has been prepared by Professor Fred Jacobs of the University of Tennessee. A Practice Set has been developed by Professor Stanley Kratchman of Texas A&M University. Working Papers and Check Figures are also available. The Instructor's Manual contains extensive teaching notes for each chapter and a set of simple demonstration problems for class use. Transparencies for all Problem Solutions and Achievement Tests, are also available to users.

Throughout this book, an attempt has been made to explicitly recognize that accounting is practiced by both men and women and that business and commercial ventures attract competent and capable individuals without regard to sex. In some discussions, the impersonal pronouns *he, him,* and *his* have been used for reasons of style and accepted English usage. In all these cases, the terms *she, her,* and *hers* obviously could be substituted.

We are indebted to many people for their ideas and assistance in preparing this book. The following professors made very constructive and helpful comments on earlier drafts of the manuscript:

Andrew Barnett (Arizona State University)

Michael Barrett (University of Missouri at Kansas City)

James Benjamin (Texas A&M University)

Wayne Bremser (Villanova University)

Vincent Brenner (Louisiana State University)

Dale Buckmaster (University of Delaware)

Charles Calhoun III (University of Miami)

John Cerepak (Fairleigh Dickinson University)

Jesse Dillard (Ohio State University)

Christopher Flynn, Jr. (Boston College)

Joseph Ford (Drexel University)

William Grasty (Murray State University)

Robert Ingram (University of South Carolina)

Stanley Kratchman (Texas A&M University)

Robert E. Malcom (Pennsylvania State University)

Philip Reckers (University of Maryland)

Janis Reeder (Pennsylvania State University)

Howard Sanders (University of South Carolina)

Ralph Skelly (University of Missouri)

Robert Strawser (University of Houston)

Graduate students Anthony Rollo of Drexel University and Julia Magann of the University of South Carolina were invaluable in preparing the manuscript. Our colleagues at Drexel, South Carolina, and Arizona State were helpful with suggestions, comments, and encouragement. We would also like to recognize the support of Jim Kane, Herb Raynes, and Russ Petersen who provided an administrative climate conducive to creating this book.

A special measure of thanks is due the staff of John Wiley & Sons for their interest in and commitment to this project. To Don Ford who dreamed with us and to Serje Seminoff who made those dreams a reality, go our deepest appreciation.

Many students read the manuscript and worked the problems to ensure that they were readable and as free as possible from error. Our students also contributed ideas and materials that helped in revising manuscript chapters and preparing problems. Appreciation goes to the American Institute of Certified Public Accountants and the National Association of Accountants for their permission to quote from their copyrighted publications. Material from the Uniform CPA Examination, copyright © by the American Institute of Certified Public Accountants, Inc., is adapted with permission. Material from the CMA Examination, copyright © by the Institute of Management Accounting, is adapted with permission. Although we have not cited authors whose original contributions are so widely felt that they are now an integral part of accounting practice, needless to say, we owe them our thanks. Finally, we welcome comments from the users of this book.

Ronald M. Copeland Paul E. Dascher Dale L. Davison

CONTENTS

| 1 THE ACCOUNTING INFORMATION SYSTEM | 1 |
|---|----------|
| INFORMATION AND ACCOUNTING Accounting Defined | 2 |
| ELEMENTS OF THE ACCOUNTING MODEL A Business Venture / Accounting Entity / Transactions / Accounts | 3 3 |
| USERS OF ACCOUNTING INFORMATION | 6 |
| ECONOMIC DESCRIPTIONS Assets / Equities / Changes in Assets and Equities | 6 |
| ACCOUNTING REPORTS The Balance Sheet / The Income Statement / The Cash Flow Statement | 9 |
| CRITERIA FOR EVALUATING ACCOUNTING INFORMATION SUMMARY | 12 13 |
| A Supplementary Discussion: The Profession of Accounting Financial Accounting / Auditing / Taxation / Cost and Managerial Accounting / Not-for-Profit Accounting / Other Accounting Efforts | 14 |
| 2 ACCOUNTING PRINCIPLES AND INFORMATION PROCESSING | 24 |
| THE ENVIRONMENT OF ACCOUNTING Complexity / Ownership and Control / Public Information / Efficiency | 26 26 |
| PROCESSING ACCOUNTING DATA | 27 |
| AN EXAMPLE | 29 |
| INFORMATION REPORTING Other Accounting Principles | 29 30 |
| TRANSACTIONS AND FINANCIAL STATEMENTS The Accounting Equation / Expanding the Equation | 30 31 |
| CLASSIFYING INFORMATION An Illustration / Recording the Events / Revenues and Expenses | 34 34 |

| STATEMENT PREPARATION | 37 |
|--|----------|
| SUMMARY | 39 |
| A Supplementary Discussion: The Development of the Accounting Profession and Accounting Principles | 39 |
| ANCIENT TIMES | 39 |
| MODERN ACCOUNTING | 39 |
| ACCOUNTING INSTITUTIONS The Securities and Exchange Commision / The American Institute of Certified Public Accountants / The Financial Accounting Standards Board | 40 |
| 3 THE ACCOUNTING CYCLE | 52 |
| THE GENERAL LEDGER Maintaining Accounts / Format of the Ledger | 54 54 |
| DEBITS AND CREDITS Normal Account Balances / Double Entry Recording | 56 56 |
| ANALYZING TRANSACTIONS | 58 |
| REVENUE AND EXPENSE TRANSACTIONS Expenses / Revenue / Recording Revenues and Expenses | 59 59 |
| THE GENERAL JOURNAL Format of the Journal | 62 62 |
| THE COMPLETE RECORDING PROCESS The Trial Balance / The Closing Process | 63 65 |
| SUMMARY | 68 |
| A Supplementary Discussion: Forms of Business Organization / Proprietorships / Partnerships / Corporations / Financial Statements and Forms of Organization | 68 |
| 4 FINANCIAL STATEMENT RELATIONSHIPS AND ADJUSTMENTS | 82 |
| COSTS—ASSETS, EXPENSES, AND LOSSES | 84 |
| REVENUES—UNEARNED INCOME | 86 |
| FINANCIAL STATEMENT INTERRELATIONSHIPS Assets, Expenses, and Equities / The Effects of Errors | 86 86 |
| DESIRED STATEMENT INFORMATION | 88 |

| EXPENSE AND ASSET ADJUSTMENT | 89 |
|--|------------|
| Prepayments / Utilization EXPENSE AND LIABILITY ADJUSTMENTS | 89 |
| Utility Expense / Salary Expense | 93 93 |
| REVENUE AND ASSET ADJUSTMENTS | 94 |
| Interest Revenue | 94 |
| REVENUE AND LIABILITY ADJUSTMENTS | 95 |
| ADJUSTMENTS IN PERSPECTIVE | 96 |
| Alternative Adjustments | 96 |
| PROCESSING ADJUSTMENT DATA | 98 |
| THE WORKSHEET | 98 |
| An Example | 98 |
| COMPLETING THE WORKSHEET | 100 |
| Trial Balance / Adjustments / Adjusted Trial Balance / Income Statement / Balance Sheet | 100 |
| USING THE WORKSHEET | 100 |
| Closing Entries | 103 |
| SUMMARY | 103 |
| A Supplementary Discussion: Reversing Entries / Adjusting Entries and Standard Operating Procedures / Adjustments and Entries in the Following Period / Reversing Entries for Expense Accruals / Reversing Entries for Revenue Accrual | 106 |
| 5 THE INCOME STATEMENT: REVENUES AND REALIZATION | 124 |
| BUSINESS INCOME The Matching Concept / Accounting Income | 126 |
| The Matching Concept / Accounting Income THE INCOME STATEMENT | 126 |
| An Illustration | 127 127 |
| REVENUE REALIZATION | 129 |
| SALES | 130 |
| Cash Sales / Credit Sales | 131 |
| SALES RETURNS AND ALLOWANCES | 132 |
| SALES DISCOUNTS | 132 |
| Trade Discounts / Cash Discounts | 133 |
| OTHER INCOME ELEMENTS | 135 |
| Other Revenue / Other Expense / Extraordinary Items | 135 |

CONTENTS

| AN ILLUSTRATION Recording the Information / Reporting the Results | 136 136 |
|---|------------|
| FORMS OF THE INCOME STATEMENT | 138 |
| SUMMARY | 139 |
| A Supplementary Discussion: Special Journals and Subsidiary Ledgers Subsidiary Ledgers / Special Journals / Sales Journals / Cash Receipts Journal / Other Special Journals | |
| 6 THE INCOME STATEMENT: EXPENSES | 156 |
| COST OF GOODS SOLD | 158 |
| Statement Presentation | 159 |
| INVENTORY SYSTEMS | 160 |
| Periodic Measurement / Perpetual Measurement | 160 |
| RECORDING PERIODIC INVENTORY DATA | 161 |
| Closing Entries | 162 |
| RECORDING PERPETUAL INVENTORY DATA | 162 |
| OPERATING EXPENSES | 163 |
| BAD DEBT EXPENSE | 164 |
| ESTIMATING BAD DEBTS | 165 |
| Sales Volume / Age of Accounts | 165 |
| RECORDING BAD DEBT ESTIMATIONS | 166 |
| Recording Aged Information / Bad Debts | 167 |
| ADMINISTRATIVE EXPENSES | 167 |
| COMPLETING THE INCOME STATEMENT Retained Earnings Statement | 168 |
| AN ILLUSTRATION | 168 |
| Recording the Information / Statement Presentation | 169 169 |
| SUMMARY | 170 |
| A Supplementary Discussion: Nonprofit Organizations | 170 |
| A Supplementary Discussion. Nonpront Organizations | 1/2 |
| 7 CASH, TEMPORARY INVESTMENTS, AND RECEIVABLES | 184 |
| CASH | 186 |
| CONTROL OF CASH | 186 |
| Control Procedures | 484 |

| BANK CHECKING ACCOUNT | 187 |
|---|-----|
| BANK RECONCILIATION | 188 |
| Illustration | 190 |
| PETTY CASH | 193 |
| TEMPORARY INVESTMENTS | 194 |
| ACCOUNTING FOR TEMPORARY INVESTMENTS | 195 |
| Investment Income / Valuation of Investments | 195 |
| DISPOSITION OF TEMPORARY INVESTMENTS | 197 |
| RECEIVABLES | 198 |
| ACCOUNTING FOR NOTES RECEIVABLE | 199 |
| DISCOUNTING NOTES RECEIVABLE | 200 |
| An Example | 200 |
| SUMMARY A Consideration Biographic Fine I Accounting | 202 |
| A Supplementary Discussion: Fund Accounting | 202 |
| 8 INVENTORY MEASUREMENT AND REPORTING | ••• |
| O INVENIORY MEASUREMENT AND REPORTING | 214 |
| PHYSICAL FLOWS | 217 |
| PERPETUAL INVENTORY SYSTEMS | 217 |
| PERIODIC INVENTORY SYSTEMS | 219 |
| THE VALUATION PROCESS | 220 |
| SPECIFIC IDENTIFICATION | 221 |
| AVERAGE COST METHOD | 222 |
| FIRST-IN, FIRST-OUT METHOD | 223 |
| LAST-IN, FIRST-OUT METHOD | 224 |
| COMPARISON OF COST-FLOW ASSUMPTIONS | 224 |
| COST FLOW IN PERPETUAL SYSTEMS | 225 |
| Average Cost Method / LIFO Method | 225 |
| INVENTORY ON THE BALANCE SHEET | 227 |
| LOWER OF COST OR MARKET | 228 |
| INVENTORY ESTIMATION | 229 |
| SUMMARY | 230 |
| A Supplementary Discussion: Internal Control Systems / Management Control Systems | 231 |
| | |

| 9 NONCURRENT ASSETS | 246 |
|---|------------|
| LAND | 248 |
| PLANT AND EQUIPMENT | 249 |
| Measurement of Cost of Plant and Equipment | 249 |
| MEASURING COST EXPIRATIONS DEPRECIATION ACCOUNTING AND REPORTING | 252 253 |
| DEPRECIATION ACCOUNTING AND REPORTING DEPRECIATION METHODS | 253 254 |
| Straight-line Depreciation Method / Double-Declining-Balance Depreciation Method / Sum-of-the-Year's-Digits Method / Comparison of Methods Measuring Life in Years / Other Methods / Partial Year's Depreciation / Consistency / Maintenance / Disposition of Plant and Equipment | 254 |
| NATURAL RESOURCES | 266 |
| INTANGIBLE ASSETS | 267 |
| LONG-TERM INVESTMENTS | 269 |
| DEFERRED CHARGES | 271 |
| SUMMARY | 271 |
| A Supplementary Discussion: The Investment Tax Credit | 272 |
| 10 CURRENT LIABILITIES | 284 |
| CHARACTERISTICS OF LIABILITIES Specific Obligation / Definite Obligation / Specific Due Date | 286 286 |
| CLASSIFICATION OF LIABILITIES | 287 |
| OBJECTIVES IN ACCOUNTING FOR CURRENT LIABILITIES | 288 |
| EFFICIENT INTERNAL MANAGEMENT | 288 |
| Costs of Credit / Timely Payment / Voucher System | 288 |
| INFORMATION FOR FINANCIAL STATEMENT USERS The Measurement Issue / The Reporting Issue | 291 291 |
| TYPES OF CURRENT LIABILITIES | 293 |
| ACCOUNTS PAYABLE | 293 |
| NOTES PAYABLE | 293 |
| Interest-Bearing Notes / Noninterest-Bearing Notes | 294 |
| PAYROLL LIABILITIES | 296 |
| Payroll Deductions / Employer Payroll Taxes | 297 |
| ACCRUED LIABILITIES | 299 |
| DEFERRED REVENUES | 299 |

| v | ., | ı | ł |
|---|----|---|---|
| • | v | ı | ı |

| SUMMARY | 299 |
|--|------------|
| A Supplementary Discussion: The Time Value of Money: Compound Interest and Present Value / Future Amount and Compound Interest | 300 |
| 11 LONG-TERM LIABILITIES | 316 |
| WHY INCUR LONG-TERM DEBT? | 318 |
| MEASUREMENT AND REPORTING OBJECTIVES | 320 |
| BONDS PAYABLE | 320 |
| ACCOUNTING FOR BONDS PAYABLE | 321 |
| BONDS ISSUED AT PAR | 322 |
| BONDS ISSUED AT A DISCOUNT | 322 |
| Straight-Line Amortization / Effective-Interest Amortization | 324 |
| BONDS ISSUED AT A PREMIUM | 325 |
| BONDS ISSUED AFTER DATE ON BOND CERTIFICATE | 326 |
| The Amortization Problem / Interest for the Short First Period | 326 |
| ACCRUED BOND INTEREST EXPENSE NOTES PAYABLE | 328 329 |
| LEASE LIABILITIES | 329 |
| PENSION LIABILITIES | 330 |
| DEFERRED INCOME TAXES | 332 |
| RECLASSIFYING CURRENT PORTION OF LONG-TERM DEBT | 334 |
| SUMMARY | 334 |
| A Supplementary Discussion: Common Bond Characteristics / Security / Interest Payment / Repayment / Retirement | 335 |
| 12 ACCOUNTING FOR OWNER'S EQUITY | 344 |
| PART I SOLE PROPRIETORSHIP | 346 |
| PART II PARTNERSHIPS | 348 |
| LEGAL CHARACTERISTICS | 348 |
| Voluntary Contractual Association / Limited Life / Mutual Agency / Unlimited Liability | 348 |
| DECISION: SHOULD WE ORGANIZE AS A PARTNERSHIP? | 349 |
| ALLOCATING PARTNERSHIP PROFIT AND LOSS | 350 |
| PARTNERSHIP DRAWINGS | 353 |

| PARTNERSHIP FINANCIAL STATEMENTS | 353 |
|---|------------|
| PARTNERSHIP CHANGES AND LIQUIDATIONS | 354 |
| SUMMARY | 354 |
| PART III CORPORATIONS | 355 |
| CHARACTERISTICS OF A CORPORATION Limited Liability / Continuity of Life / Centralization of Management / Ease of Transferability of Ownership Interests | 355 356 |
| ADVANTAGES AND DISADVANTAGES OF THE CORPORATE FORM | 357 |
| ACCOUNTING FOR STOCKHOLDERS' EQUITY | 358 |
| TYPES OF STOCK Common Stock / Preferred Stock | 360 360 |
| ISSUANCE OF STOCK | 363 |
| TREASURY STOCK TRANSACTIONS | 364 |
| OTHER SOURCES OF CONTRIBUTED CAPITAL | 366 |
| ACCOUNTING FOR RETAINED EARNINGS Statement of Retained Earnings / Prior Period Adjustments | 366 367 |
| ACCOUNTING FOR DIVIDENDS Stock Dividends / Stock Splits | 368 369 |
| ADEQUATE DISCLOSURE | 371 |
| SUMMARY | 372 |
| A Supplementary Discussion: Corporations and the SEC / Securities Legislation / Securities Act of 1933 / Securities Exchange Act of 1934 | 372 |
| THE SEC AND ACCOUNTING | 374 |
| 13 STATEMENT OF CHANGES IN FINANCIAL POSITION | 384 |
| CONCEPT OF FUNDS | 386 |
| STATEMENT OF CHANGES IN FINANCIAL POSITION: WORKING CAPITAL DEFINITION OF FUNDS | 388 |
| PREPARING THE STATEMENT (WORKING CAPITAL) | 388 |
| ANALYSIS OF CHANGES IN WORKING CAPITAL Analysis of Financial Data / Funds from Operations / Sale of Non- current Asset / Issuance of Capital Stock / Declaration of Divi- dends / Retirement of Long-Term Debt / Exchange Transactions | 389 393 |
| STATEMENT OF CHANGES IN FINANCIAL POSITION: CASH DEFINITION OF FUNDS | 396 |

| | ľ |
|--|---|
| | |
| | |

| PREPARING THE STATEMENT (CASH DEFINITION) Cash Used or Provided by Operations / Cash Used or Provided from Other Sources | 398 398 |
|---|------------|
| USE OF CASH FLOW DATA | 401 |
| SUMMARY | 402 |
| A Supplementary Discussion: Worksheet Approach to Preparing the | 702 |
| Statement of Changes in Financial Position | 402 |
| 14 FINANCIAL STATEMENT ANALYSIS | 420 |
| THE ANALYTIC PROCESS | 422 |
| PLAN OF ANALYSIS | 422 |
| Purpose / Measurement Base / Data Collection / Comparison | 423 |
| ANALYTIC TECHNIQUES AND INTERPRETATION | 425 |
| Comparative Analysis / Limitations / Common-Size Analysis / Limi- | |
| tations / Ratio Analysis | 425 |
| AN ILLUSTRATION | 429 |
| PROFITABILITY RATIOS | 429 |
| PROFIT MARGIN ON SALES | 429 |
| RATE OF RETURN ON ASSETS | 431 |
| RATE OF RETURN ON COMMON STOCK EQUITY | 431 |
| EARNINGS PER SHARE | 432 |
| LIQUIDITY RATIOS | 432 |
| CURRENT RATIO | 432 |
| ACID TEST RATIO | 433 |
| RECEIVABLES TURNOVER INVENTORY TURNOVER | 433 |
| SOLVENCY RATIOS | 434 435 |
| DEBT TO TOTAL EQUITY | 435 435 |
| TIMES INTEREST EARNED | 435 435 |
| MARKETABILITY RATIOS | 436 |
| PRICE EARNINGS RATIO | 436 436 |
| PAYOUT RATIO | 436 |
| SUMMARY OF RATIOS | 437 |
| IMITATIONS OF RATIO ANALYSIS | 437 |

CONTENTS