

FASB STATEMENT 36 DATA BANK

USER'S MANUAL

by

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Table of Contents

1. INTRODUCTION	1
1.1. FASB Statement 36 Data Bank	1
1.2. Purpose of Manual	1
1.3. Acknowledgments	2
2. THE DATA BANK	4
2.1. Population	4
2.2. Macro Statistics	7
3. READING THE STATEMENT 36 DATA BANK TAPE	9
3.1. Physical Description	9
3.2. Tape Map and File Layouts	10
3.2.1. Pension Data File Layout	10
3.2.2. SPSS Program to Read the Pension Data File	13
3.2.3. SAS Program to Read the Pension Data File	13
3.2.4. SAS Program to Merge Statement 36 Data Bank with Value Line Data Base	15
4. DEFINITIONS	16
4.1. Field Definitions	16
5. SAMPLE COMPUTER PROGRAMS	20
5.1. SPSS Program	20
5.2. SAS Program	21
5.3. FORTRAN Program	22
I. STATEMENT OF FINANCIAL ACCOUNTING STANDARD NO. 36: STANDARDS OF FINANCIAL ACCOUNTING AND REPORTING	23
II. SAMPLE COMPANY DATA	25
III. CODING FORMS	26
IV. COMPANIES DELETED DUE TO HAVING NOT DISCLOSED PENSION DATA	28
V. LIST OF COMPANIES	29

List of Figures

Figure 2-1:	Industry Breakdown	7
Figure 2-2:	Key Statistics	8
Figure 3-1:	Missing Values	9
Figure 3-2:	Tape Map	10
Figure 3-3:	Pension Data File Layout	11
Figure 3-4:	SPSS Program to Read the Pension Data File	13
Figure 3-5:	SAS Program to Read the Pension Data File	14
Figure 3-6:	SAS Program to Merge Statement 36 Data Bank with Value Line Data Base	15
Figure 5-1:	SPSS Program - Calculate Mean and Standard Deviation	20
Figure 5-2:	SAS Program - Calculate Mean and Standard Deviation	21
Figure 5-3:	FORTTRAN Program - Read and Process Variables	22

CHAPTER 1
INTRODUCTION

1.1. FASB Statement 36 Data Bank

The FASB Statement 36¹ Data Bank was created for the purpose of facilitating academics' and practitioners' research on pension information. The data bank was compiled jointly by the staff of the FASB, professors and doctoral students of the Accounting Research Center of Columbia University Graduate School of Business, and members of CPA firms.

1.2. Purpose of Manual

This manual is designed to enable the use of the Statement 36 Data Bank by researchers. It contains the technical specifications necessary for reading the tape, as well as the accounting definitions (coding rules) followed in collecting the data. Illustrations on how to use of the tape under different data processing alternatives are also provided.

The data bank contains initially the information disclosed by 1,002 companies in compliance with Statement 36. These companies were selected on the basis of having disclosed FASB 33 information and having December or January fiscal year ends. The data were coded, compiled, and verified through the use of a set of standardized forms (see Appendix III) and

1

Please see Appendix I or Appendix A of Illustrations and Analysis of Disclosures of Pension Information (1981) A survey of the application of the requirements of FASB Statement No. 36, an amendment of APB Opinion No. 8, AICPA.

programs.

1.3. Acknowledgments

The Database 33 project was organized in January 1981 by Michael O. Alexander, Director of Research and Technical Activities of the FASB, Professor John C. Burton of Columbia University, Graduate School of Business, and Professor William H. Beaver of Stanford University, Graduate School of Business. (Both professors are consultants to the Board on Statement 33.) It was further decided to gather data on pension (Statement 36) information for the companies being coded. This supplemental data is the one being distributed by the Accounting Research Center of Columbia University.

The data bank was constructed in four phases: project planning, data collection, validation and testing of data, and data bank construction. The project was managed jointly by the FASB and Columbia University. Anthony Phillips (project manager), Beverly Welch (technical associate), and John Alusik (project administrative assistant) were designated as the FASB project team. Miklos A. Vasarhelyi, Associate Professor of Accounting, and David C. H. Yang, David B. Wright, Thomas Verghese, B. N. Srinidhi, and Evelyn Faillace formed the Columbia University team. Major

2
CPA firms generously provided manpower to code the data.

Quality control and reporting procedures were designed by the project team and reviewed by Professors Burton and Beaver and Professor Thomas R. Dyckman of the Cornell University, Graduate School of Business and Public Administration.

2
The firms and the staff whose services they generously supplied were: Raymond Anderson - Main Hurdman, Edward Baloga - Touche Ross & Co., James Cracchiolo - Ernst & Whinney, Miriam Haines - Deloitte Haskins & Sells, Gail Knichel - Arthur Andersen & Co., Wanda Major - Coopers & Lybrand, Barbara Moore - Arthur Young & Company, Diane Parent - Arthur Young & Company, Gerald Prager - Ernst & Whinney, Robert Riscica - Arthur Andersen & Co., Cynthia Robbins - Price Waterhouse, and Lynn Stewart - Peat, Marwick, Mitchell & Co.

CHAPTER 2

THE DATA BANK

2.1. Population

This Data Bank data was collected in the course of preparing FASB STATEMENT 33 DATA BANK. Companies that met the size tests of Statement 33 were determined by analyzing a commercial data base (which includes all public companies traded on all major stock exchanges in the United States except for a number of insurance and finance companies). The list was verified by checking it against a list of all companies included in the 1979-1980 NAARS³ file of annual reports that made reference(s) to current cost or constant dollar accounting. In addition, all companies in the Value Line Data Base that met Statement 33 size test were incorporated into the list.

Companies meeting the Statement 33 size tests and having fiscal years ended December 1979, January 1980, and January 1981 were included in the data bank. Companies meeting the requirements but having February through November fiscal year ends are not included. These companies will be added to the data bank at a later date (June 1982).

Corporations that trade securities in the United States and meet the Statement 33 size test, but that are considered foreign registrants, have

³ National Automated Accounting Research System which contains the full text of some 8,000 reports.

been included in the data bank only if their financial statements were presented in U.S. dollars and their annual reports included Statement 33 disclosures.

Many foreign registrants did not provide Statement 33 disclosures because of regulations issued by the Securities and Exchange Commission. Some foreign registrants provided financial reporting on changing prices because their countries (such as the United Kingdom) require such reporting practices. Such companies have not been included in the data bank.

On April 8, 1981, a form letter requesting two each of the most recent annual reports and 10-Ks was sent to the director of public relations of each the listed corporations. A follow-up form letter was sent approximately three weeks later.

There was an excellent response in providing the requested annual reports (approximately 95 percent responded), but less than 5 percent of the corporations forwarded 10-Ks. If annual reports were not obtained directly from the corporation, other corporate libraries were contacted for copies of the reports in question. Finally, a microfiche service was used to obtain copies of earlier years' annual reports and 10-Ks.

A control list, developed using the FASB's word processing system, was maintained to monitor receipt of the reports. Upon receipt, the annual reports and 10-Ks were filed at the FASB.

The companies identified in the population for FASB Statement 33 Data Bank totaled 1,038. As previously discussed, 91 companies were excluded because they were foreign registrants and did not present Statement 33 data, and 10 were excluded for not having supplied financial statements or for having undergone basic changes in the business entity (merger, bankruptcy, etc.). Among the companies in the data base, five were included that voluntarily complied with Statement 33.

Thirty six companies were excluded because they did not present Statement 36 data. Company names of these 36 companies are listed in Appendix IV.

This FASB Statement 36 Data Bank (see Appendix V for a list of companies in the data bank) contains the information disclosed by 1,002 companies in compliance with Statement 36.

2.2. Macro Statistics

The companies in the data bank may be broken down as follows:

Figure 2-1: Industry Breakdown

INDUSTRY	FREQUENCY	CUMULATIVE FREQUENCY	PERCENT	CUMULATIVE PERCENT
FOOD, TOBACCO	52	52	5.190	5.190
LUMBER, PAPER	33	85	3.293	8.483
CHEMICALS	52	137	5.190	13.673
PETROLEUM AND RUBBER	19	156	1.896	15.569
PRIMARY AND FABRICATED METALS	66	222	6.587	22.156
MACHINERY	69	291	6.886	29.042
TRANSPORTATION EQUIPMENT	31	322	3.094	32.136
OTHER MANUFACTURING	67	389	6.687	38.822
MINING AND CONSTRUCTION	74	463	7.385	46.208
TRANSPORTATION AND COMMUNICATION	78	541	7.784	53.992
UTILITIES	154	695	15.369	69.361
WHOLESALE & RETAIL TRADE	77	772	7.685	77.046
FINANCE	175	947	17.465	94.511
INSURANCE	32	979	3.194	97.705
OTHER	23	1002	2.295	100.000

Figure 2-2 give the key statistics for numeric variables in the data bank.

Figure 2-2: Key Statistics

VARIABLE LABEL	NUMBER	NO. MISSING	
FYE80	MONTH OF 1980 FISCAL YEAR-END	1002	0
PE1	PENSION EXPENSES, 1980	968	34
PE2	PENSION EXPENSES, 1979	972	30
PE3	PENSION EXPENSES, 1978	954	48
AVB1	ACCUM. VESTED BENEFITS, 1980	934	68
AVB2	ACCUM. VESTED BENEFITS, 1979	438	564
AVB3	ACCUM. VESTED BENEFITS, 1978	62	940
ANB1	ACCUM. NONVEST. BENEFITS, 1980	928	74
ANB2	ACCUM. NONVEST. BENEFITS, 1979	423	579
ANB3	ACCUM. NONVEST. BENEFITS, 1978	56	946
NAAB1	NET ASSETS AVAIL. FOR BENEF. 1980	933	69
NAAB2	NET ASSETS AVAIL. FOR BENEF. 1979	438	564
NAAB3	NET ASSETS AVAIL. FOR BENEF. 1978	61	941
IRH1	INT. RATE OR HIGHER BOUND 1980	928	74
IRH2	INT. RATE OR HIGHER BOUND 1979	447	555
IRH3	INT. RATE OR HIGHER BOUND 1978	67	935
IRL1	LOWER BOUND OF INTEREST RANGE 1980	86	916
IRL2	LOWER BOUND OF INTEREST RANGE 1979	34	968
IRL3	LOWER BOUND OF INTEREST RANGE 1978	1	1001
SICVL	SIC CODE IN VALUE LINE	1002	0
PRIMAUD	1980 PRIMARY AUDITOR	1002	0
SICCM	SIC CODE IN COMPUTSTAT	952	50

VARIABLE	MEAN	STANDARD DEVIATION	MAXIMUM VALUE	MINIMUM VALUE
FYE80	11.41	2.49	12.00	1.00
PE1	27.02	92.73	1922.10	0.09
PE2	41.41	328.79	8100.00	0.05
PE3	36.01	276.24	6600.00	0.08
AVB1	200.58	756.24	17438.50	0.02
AVB2	225.22	1037.18	18156.50	0.04
AVB3	138.98	597.96	4732.00	0.30
ANB1	20.33	98.72	2234.10	0.02
ANB2	23.62	142.09	2521.00	0.01
ANB3	12.76	44.61	331.00	0.11
NAAB1	210.35	706.54	13353.80	0.10
NAAB2	206.80	797.13	11567.70	0.05
NAAB3	138.87	545.01	4273.00	0.78
IRH1	7.01	1.17	15.00	4.00
IRH2	6.52	1.01	15.00	3.50
IRH3	6.19	0.76	8.50	5.00
IRL1	5.83	1.11	9.50	4.00
IRL2	5.66	1.13	8.20	3.00
IRL3	6.00		6.00	6.00
SICVL	4263.23	1567.31	8911.00	0.00
PRIMAUD	4.62	3.08	26.00	1.00
SICCM	4309.90	1630.99	9997.00	100.00

CHAPTER 3

READING THE STATEMENT 36 DATA BANK TAPE

3.1. Physical Description

The data bank tape is created in an EBCDIC 9-track, 1600 BPI, no label, odd parity format tape. The tape contains one main file and three programs (see Section 3.2.2, 3.2.3 and 3.2.4) to help users read the tape and merge it with the Value Line Data Base.

The logical record size is 166; the blocking factor is 10; the format is fixed block (FB); and missing alphanumeric fields will appear as a negative number with digit 9 in all of its positions except for the negative sign in the high order position (e.g. -9999.99). One-digit missing fields will contain a '9'. (see Figure 3-1.) Data fields with format 4(NN.NN) are in percentage. Data fields with format 8(NNNNNN.NN) are in million dollars.

Figure 3-1: Missing Values

<u>FORMAT</u>	<u>MISSING VALUE IN THE FIELD</u>	<u>MISSING VALUE WOULD BE READ AS</u>
X	9	9
4(NNNN)	-999	-999
4(NN.NN)	-999	-9.99
8(NNNNNN.NN)	-999999	-9999.99

3.2. Tape Map and File Layouts

The Statement 36 Data Bank tape contains four files. Figure 3-2 lists these files in the order they appear on the tape.

Figure 3-2: Tape Map

FILE NO.	DESCRIPTION	NO. OF RECORDS	LOGICAL RECORD SIZE	BLOCK SIZE
1.	PENSION DATA FILE	1,002	166	1,660
2.	SPSS PROGRAM TO READ PENSION DATA FILE	-	80	800
3.	SAS PROGRAM TO READ PENSION DATA FILE	-	80	800
4.	SAS PROGRAM TO MERGE PENSION DATA FILE WITH VALUE LINE DATA BASE	-	80	800

3.2.1. Pension Data File Layout

Figure 3-3 contains field descriptions, suggested variable names, and other characteristics of fields in File 1. Numeric fields contain assumed decimal points. Therefore an eight position, two decimal field containing the 378 number (right justified) should be read in as 3.78 with the SPSS format F8.2 or SAS format 8.2 or FORTRAN format F8.2. Missing values in this field would contain the -999999 value which would have been read in as -9999.99.

Illustrative programs on how to pick up specific fields using the SPSS and SAS statistical package are also discussed in Chapter 5 of this manual.

Figure 3-3: Pension Data File Layout

F	S	D	N	C	F
IN	U V	E O	UC	U C	O
EU	G A N	S F F	MH	M H	R
LM	G R A	C I	BA	M A	M
DB	E I M	R E	ER	U R	A
E	S A E	I L	RA	L A	T
R	T B	P D	C	A C	
	E L	T	OT	T T	
	D E	I	FE	I E	
		O	R	V R	
		N	S	E S	

Field Number	Field Name	Description	Start	End	Format
1	CONAME	Company Name	20	20	20(X)
2	CUSIPVL	Unique Code Assigned by Committee on Uniform Security Identification Procedures	6	26	6(NNNNNN)
3	SICVL	SIC Code in Value Line	4	30	4(MNNN)
4	SICCM	SIC Code in Compustat	4	34	4(NNNN)
5	PRIMAUD	Primary Auditor 1980	2	36	2(NN)
6	FYE80	Month of 1980 Fiscal Year-End	2	38	2(NN)
7	PE1	Pension Expense 1980	8	46	8(NNNNNN.NN)
8	PE2	Pension Expense 1979	8	54	8(NNNNNN.NN)
9	PE3	Pension Expense 1978	8	62	8(NNNNNN.NN)
10	AVB1	Accumulated Vested Benefits 1980	8	70	8(NNNNNN.NN)
11	AVB2	Accumulated Vested Benefits 1979	8	78	8(NNNNNN.NN)
12	AVB3	Accumulated Vested Benefits 1978	8	86	8(NNNNNN.NN)
13	ANB1	Accumulated Nonvested Benefits 1980	8	94	8(NNNNNN.NN)
14	ANB2	Accumulated Nonvested Benefits 1979	8	102	8(NNNNNN.NN)
15	ANB3	Accumulated Nonvested Benefits 1978	8	110	8(NNNNNN.NN)
16	NAAB1	Net Assets Available for Benefits 1980	8	118	8(NNNNNN.NN)
17	NAAB2	Net Assets Available for Benefits 1979	8	126	8(NNNNNN.NN)
18	NAAB3	Net Assets Available for Benefits 1978	8	134	8(NNNNNN.NN)

19	IRH1	Interest Rate or Higher Bound of Int. Range Used to Calculate Accumulated Vested and Nonvested Benefits 1980	4 138	4(NN.NN)
20	IRH2	Interest Rate or Higher Bound of Int. Range Used to Calculate Accumulated Vested and Nonvested Benefits 1979	4 142	4(NN.NN)
21	IRH3	Interest Rate or Higher Bound of Int. Range Used to Calculate Accumulated Vested and Nonvested Benefits 1978	4 146	4(NN.NN)
22	IRL1	Lower Bound of Interest Range Used to Calculate Accumulated Vested and Nonvested Benefits 1980	4 150	4(NN.NN)
23	IRL2	Lower Bound of Interest Range Used to Calculate Accumulated Vested and Nonvested Benefits 1979	4 154	4(NN.NN)
24	IRL3	Lower Bound of Interest Range Used to Calculate Accumulated Vested and Nonvested Benefits 1978	4 158	4(NN.NN)
25	DATE1	Date of Information 1980	1 159	X
26	DATE2	Date of Information 1979	1 160	X
27	DATE3	Date of Information 1978	1 161	X
28	MEP	Is there any indication that the company makes contributions to a multiemployer pension plan, such as a union sponsored plan?	1 162	X
29	FOR	Does the company present any dollar information about foreign pension plans?	1 163	X
30	ACTCM	Does the company disclose the actuarial cost method used for funding purposes?	1 164	X
31	CHGAA	Does the company mention a change in actuarial assumptions?	1 165	X
32	AMEND	Does the company mention a pension plan amendment, or creation of a new plan, or any other matter affecting comparability?	1 166	X

3.2.2. SPSS Program to Read the Pension Data File

Figure 3-4 displays an SPSS program that would enable the user to read the tape. Most computer installations will require changes in the setup of this job.

The reader should examine the variable list and input format in relation to the format in Figure 3-3. These SPSS formats are very similar in nature to FORTRAN statements.

Figure 3-4: SPSS Program to Read the Pension Data File

```

RUN NAME          PENSION DATA FILE
VARIABLE LIST    CONAME1 TO CONAME5,
                  CUSIPVL,SICVL,SICCM,PRIMAUD,FYE80,
                  PE1 TO PE3,AVB1 TO AVB3,ANB1 TO ANB3,
                  NAAB1 TO NAAB3,IRH1 TO IRH3,IRL1 TO IRL3,
                  DATE1 TO DATE3,MAP,FOR,ACTCM,CHGAA,AMEND

INPUT MEDIUM     TAPE
INPUT FORMAT      FIXED(5A4,F6.0,2F4.0,2F2.0,12F8.2,6F4.2,8A1)
MISSING VALUES  DATE1 TO DATE3,MEP,FOR,ACTCM,CHGAA,AMEND('9')/
                  SICCM(-999)/
                  IRH1 TO IRH3,IRL1 TO IRL3(-9.99)/
                  PE1 TO PE3,AVB1 TO AVB3,ANB1 TO ANB3,
                  NAAB1 TO NAAB3(-9999.99)

```

3.2.3. SAS Program to Read the Pension Data File

Figure 3-5 displays an SAS program that would enable the user to read the tape. Some computer installations will require changes in the setup of this job.

Figure 3-5: SAS Program to Read the Pension Data File

```
CMS FILEDEF EXAMPLE TAP1 (LRECL 166 BLKSIZE 1660 RECFM FB);
DATA FASB36.PENSION;
INFILE EXAMPLE;
INPUT CONAME $ 1-20 CUSIPVL 21-26 SICVL 27-30 SICCM 31-34
      PRIMAUD 35-36 FYE80 37-38
      PE1 39-46 2 PE2 47-54 2 PE3 55-62 2
      AVB1 63-70 2 AVB2 71-78 2 AVB3 79-86 2
      ANB1 87-94 2 ANB2 95-102 2 ANB3 103-110 2
      NAAB1 111-118 2 NAAB2 119-126 2 NAAB3 127-134 2
      IRH1 135-138 2 IRH2 139-142 2 IRH3 143-146 2
      IRL1 147-150 2 IRL2 151-154 2 IRL3 155-158 2
      DATE1 $ 159 DATE2 $ 160 DATE3 $ 161 MEP $ 162
      FOR $ 163 ACTCM $ 164 CHGAA $ 165 AMEND $ 166;
IF DATE1 = '9' THEN DATE1 = ' ';
IF DATE2 = '9' THEN DATE2 = ' ';
IF DATE3 = '9' THEN DATE3 = ' ';
IF MEP = '9' THEN MEP = ' ';
IF FOR = '9' THEN FOR = ' ';
IF ACTCM = '9' THEN ACTCM = ' ';
IF CHGAA = '9' THEN CHGAA = ' ';
IF AMEND = '9' THEN AMEND = ' ';
IF SICCM = -999 THEN SICCM = .;
IF IRH1 = -9.99 THEN IRH1 = .;
IF IRH2 = -9.99 THEN IRH2 = .;
IF IRH3 = -9.99 THEN IRH3 = .;
IF IRL1 = -9.99 THEN IRL1 = .;
IF IRL2 = -9.99 THEN IRL2 = .;
IF IRL3 = -9.99 THEN IRL3 = .;
IF PE1 = -9999.99 THEN PE1 = .;
IF PE2 = -9999.99 THEN PE2 = .;
IF PE3 = -9999.99 THEN PE3 = .;
IF AVB1 = -9999.99 THEN AVB1 = .;
IF AVB2 = -9999.99 THEN AVB2 = .;
IF AVB3 = -9999.99 THEN AVB3 = .;
IF ANB1 = -9999.99 THEN ANB1 = .;
IF ANB2 = -9999.99 THEN ANB2 = .;
IF ANB3 = -9999.99 THEN ANB3 = .;
IF NAAB1 = -9999.99 THEN NAAB1 = .;
IF NAAB2 = -9999.99 THEN NAAB2 = .;
IF NAAB3 = -9999.99 THEN NAAB3 = .;
```

3.2.4. SAS Program to Merge Statement 36 Data Bank with Value Line Data

Base

This program takes the Statement 36 Data Bank, after it has been formatted to be compatible with SAS, and merges it with the Value Line Data Base. The readers should modify this program for his or her analytic purposes.

Figure 3-6: SAS Program to Merge Statement 36 Data Bank with Value Line Data Base

```
CMS FILEDEF SAMPLE1 TAP1 (LRECL 166 BLKSIZE 1660 RECFM FB);
DATA DATA.FASB36;
INFILE SAMPLE1;
INPUT CONAME $ 1-20 CUSIPVL 21-26 PE2 47-54 2 AVB2 71-78 2
      ANB2 95-102 2;
IF CUSIPVL EQ 17411 OR CUSIPVL EQ 25537 OR CUSIPVL EQ 197648;
LABEL CONAME=COMPANY NAME;
LABEL CUSIPVL=CUSIP NUMBER;
LABEL PE2=PENSION EXPENSES 1979;
LABEL AVB2=ACCUM. VESTED BENEFITS 1979;
LABEL ANB2=ACCUM. NONVEST. BENEFITS 1979;
CMS FILEDEF SAMPLE2 TAP2 (LRECL 3327 BLKSIZE 13308 RECFM FB);
DATA DATA.VLLINE;
INFILE SAMPLE2;
INPUT CUSIPVL 1-6 YEAR 40-41 VL16079 1258-1265 2 VL3779 274-281 2;
IF YEAR EQ 79;
IF CUSIPVL EQ 17411 OR CUSIPVL EQ 25537 OR CUSIPVL EQ 197648;
LABEL VL16079=NO. OF SHARES OUTSTANDING 1979;
LABEL VL3779=GROSS PLANT 1979;
DATA DATA.RESULT;
MERGE DATA.FASB36 DATA.VLLINE; BY CUSIPVL;
TITLE EXAMPLE:MERGE FASB 36 DATA BANK WITH VALUE LINE DATA BASE;
```

CHAPTER 4

DEFINITIONS

This section defines the data elements included in the Statement 36 Data Bank. The data collection forms were designed so that each keypunched card was identifiable by the corporation's CUSIP number. (see Appendix III.) CUSIP numbers are unique codes assigned by the Committee on Uniform Security Identification Procedures to all corporations having publicly traded securities.

4.1. Field Definitions

Company Name. (CONAME)	Field 1
The name inserted is that name or its abbreviation used by Value Line. For companies not listed by Value Line, a name or its abbreviation was assigned by the FASB project team.	
CUSIP Codes. (SICVL)	Field 2
CUSIP codes are unique six-digit numerical codes assigned to each company.	
SIC Codes. (SICVL)	Field 3
SIC code in Value Line.	
SIC Codes. (SICCM)	Field 4
SIC code in Compustat.	
1980 Primary Auditor. (PRIMAUD)	Field 5
Numbers were assigned as follows:	

Code	Primary Auditor
<hr/>	
01	Arthur Andersen & Co.
02	Arthur Young & Company
03	Coopers & Lybrand
04	Deloitte, Haskins & Sells
05	Ernst & Whinney
06	Peat, Marwick, Mitchell & Co.

07	Price Waterhouse
08	Touche Ross & Co.
09	Alexander Grant & Company
10	Fox & Company
11	Laventhol & Horwath
12	Main Hurdman
13	McGladrey Hendrickson & Co.
14	Pannell Kerr Forster
15	Seidman & Seidman
16	Moore, Smith & Dale
17	A. M. Pullen & Company
18	Clarkson Gordon
19	J. A. Grisette & Co.
20	Geo. S. Olive & Co.
21	J. H. Cohn & Company
22	Baird & Company
23	Thorne Riddell
24	Kenneth Leventhal
25	Frazer Thomas and Tate
26	Others

Month of 1980 Fiscal Year-end. (FYE80) Field 6
 The month of the company's fiscal year-end was entered in this field. January is 01, February is 02, and so forth.

The following fields were coded for three years (1980, 1979 and 1978) where data was available. The index 1 relates to 1980, 2 to 1979 and 3 to 1978.

Pension Expense. (PE1,PE2,PE3) Field 7 to Field 9
 The amount the company disclosed as total pension cost for the period.

Accumulated Vested Benefits. (AVB1,AVB2,AVB3) Field 10 to Field 12
 The actuarial present value of vested accumulated plan benefits.

Accumulated Nonvested Benefits. (ANB1,ANB2,ANB3) Field 13 to Field 15
 The actuarial present value of nonvested accumulated plan benefits.

Net Assets Available for Benefits. (NAAB1,NAAB2,NAAB3) Field 16 to Field 18
 Plan net assets as defined in Statement 36.

(IRH1,IRH2,IRH3) Field 19 to Field 21
If rates of interest assumed in determining actuarial present values of vested and nonvested accumulated plan benefits were disclosed in a range, then fields contain the higher value of the range. If not, they contain the actual value.

(IRL1,IRL2,IRL3) Field 22 to Field 24
In the case of disclosure of rate of interest in a range, then fields contain the lower value of the range. Else, they are missing values.

Date of Information. (DATE1,DATE2,DATE3) Field 25 to Field 27
Codes for date of information.

B = beginning of the year
E = end of the year
O = other

The following fields (Field 28 to Field 32) pertained to other qualitative characteristics of the pension data. They are all coded for Y for Yes and N for No.

(MEP) Field 28
Is there any indication that the company makes contributions to a multiemployer pension plan, such as a union sponsored plan?

(FOR) Field 29
Does the company present any dollar information about foreign pension plans?

(ACTCM) Field 30
Does the company disclose the actuarial cost method used for funding purposes?

(CHGAA) Field 31
Does the company mention a change in actuarial assumptions?

(AMEND) Field 32
Does the company mention a pension plan amendment, or

creation of a new plan, or any other matter affecting comparability?

CHAPTER 5

SAMPLE COMPUTER PROGRAMS

5.1. SPSS Program

Figure 5-1 displays an SPSS program that performs statistical analysis of the mean and standard deviation of pension expenses for 1978, 1979 and 1980.

Figure 5-1: SPSS Program - Calculate Mean and Standard Deviation

```
RUN NAME          EXAMPLE: CALCULATE MEAN AND STANDARD DEVIATION
VARIABLE LIST     CONAME1 TO CONAME5,CUSIPVL,PE1,PE2,PE3
INPUT MEDIUM      TAPE
INPUT FORMAT      FIXED(T1,5A4,T21,F6.0,T39,F8.2,T47,F8.2,T55,F8.2)
VAR LABELS        CONAME1,COMPANY NAME/
                  CUSIPVL,CUSIP NUMBER/
                  PE1,PENSION EXPENSE 1980/
                  PE2,PENSION EXPENSE 1979/
                  PE3,PENSION EXPENSE 1978
MISSING VALUES   PE1,PE2,PE3(-9999.99)
SELECT IF         (CUSIPVL EQ 8677 OR CUSIPVL EQ 30900 OR
                  CUSIPVL EQ 65446 OR CUSIPVL EQ 156260 OR
                  CUSIPVL EQ 249555 OR CUSIPVL EQ 531090 OR
                  CUSIPVL EQ 913164 OR CUSIPV EQ 958196 OR
                  CUSIPVL EQ 960394 OR CUSIPVL EQ 989722)
CONDESCRIPTIVE    PE1,PE2,PE3
STATISTICS        1,5
READ INPUT DATA
FINISH
```

5.2. SAS Program

Figure 5-2 displays an SAS program that performs statistical analysis of the mean and standard deviation of pension expenses for 1978, 1979 and 1980.

Figure 5-2: SAS Program - Calculate Mean and Standard Deviation

```
DATA FASB36.PENSION;
INFILE EXAMPLE;
INPUT CONAME $ 1-20 CUSIPVL 21-26 PE1 39-46 2 PE2 47-54 2 PE3 55-62 2;
IF CUSIPVL=8677 OR CUSIPVL=30900 OR CUSIPVL=65446 OR
   CUSIPVL=156260 OR CUSIPVL=249555 OR CUSIPVL=531090 OR
   CUSIPVL=913164 OR CUSIPVL=958196 OR CUSIPVL=960394 OR
   CUSIPVL=989722;
IF PE1=-9999.99 THEN PE1=.;
IF PE2=-9999.99 THEN PE2=.;
IF PE3=-9999.99 THEN PE3=.;
LABEL CONAME=COMPANY NAME;
LABEL CUSIPVL=CUSIP NUMBER;
LABEL PE1=PENSION EXPENSE 1980;
LABEL PE2=PENSION EXPENSE 1979;
LABEL PE3=PENSION EXPENSE 1978;
PROC MEANS MAXDEC=2 N NMISS MEAN STD;
VAR PE1 PE2 PE3;
TITLE EXAMPLE: CALCULATE MEAN AND STANDARD DEVIATION;
```


5.3. FORTRAN Program

Figure 5-3 displays an FORTRAN program to read and process variables. The readers, if using FORTRAN, should modify this program for his or her analytic purposes.

Figure 5-3: FORTRAN Program - Read and Process Variables

```
C   READ TAPE INPUT
  1  READ (9,2,END=100) ICUSIP,PE1,PE2,PE3
C   PE1—PENSION EXPENSE 1980
C   PE2—PENSION EXPENSE 1979
C   PE3—PENSION EXPENSE 1978
  2  FORMAT(T21,I6,T39,F8.2,T47,F8.2,T55,F8.2)
 10  IF ((ICUSIP.EQ.8677).OR.(ICUSIP.EQ.30900).OR.
C(ICUSIP.EQ.65446).OR.(ICUSIP.EQ.156260).OR.
C(ICUSIP.EQ.249555).OR.(ICUSIP.EQ.531090)) GO TO 20
    GO TO 1
C   DESIRED COMPANY HAS BEEN FOUND
  20  PE=(PE1+PE2+PE3)/3
  30  WRITE(6,60) ICUSIP,PE1,PE2,PE3,PE
  60  FORMAT(I6,4(1X,F8.2))
    GO TO 1
 100  STOP
    END
```

I - STATEMENT OF FINANCIAL ACCOUNTING STANDARD NO. 36: STANDARDS OF
FINANCIAL ACCOUNTING AND REPORTING

1. The FASB Board believes that pension plans are of sufficient importance to an understanding of financial position and results of operations that the disclosures set forth in this paragraph and paragraph 2 shall be made in financial statements or the notes thereto:
 - a. A statement that pension plans exist, identifying or describing the employee groups covered,
 - b. A statement of the company's accounting and funding policies,
 - c. The provision for pension cost for the period,
 - d. Nature and effect of significant matters affecting comparability for all periods presented, such as changes in accounting methods (actuarial cost method, amortization of past and prior service cost, treatment of actuarial gains and losses, etc.), changes in circumstances (actuarial assumptions, etc.), or adoption or amendment of a plan.

2. For its defined benefit pension plans, an employer shall disclose for each complete set of financial statements the following data determined in accordance with Statement 35 as of⁴ the most recent benefit information date for which the data are available:
 - a. The actuarial present value of vested accumulated plan benefits,
 - b. The actuarial present value of nonvested accumulated plan benefits,

⁴
The benefit information date is the date as of which the actuarial present value of accumulated plan benefits is determined. In comparative financial statements, data disclosed for earlier periods shall be the data available when the earlier financial statements were originally issued.

- 5
- c. The plans' net assets available for benefits ,
 - d. The assumed rates of return used in determining the actuarial present values of vested and nonvested accumulated plan benefits,
 - e. The date as of which the benefit information was determined.

The data may be reported in total for all plans, separately for each plan, or in such subaggregations as are considered most useful . For plans for which the above data are not available , the employer shall continue to comply with the disclosure requirements originally contained in APB Opinion 8, namely, the excess, if any, of the actuarially computed value of vested benefits over the total of the pension fund and any balance sheet pension accruals, less any pension prepayments or deferred charges. The reasons why the information required by (a) through (e) above is not provided for those plans shall be disclosed.

5

For purposes of this Statement, an employer's accrued pension liability, as of the benefit information date, shall be added to the plan's net assets to the extent that it exceeds contributions receivable from the employer included in the plan's net assets available for benefits.

6

There may be circumstances in which significant unfunded amounts of an individual plan are offset by the aggregation of assets in excess of accumulated benefits in other plans. Separate disclosure of such unfunded amounts may be desirable if a significant number of participants in such an unfunded plan are employed by a subsidiary or division that is unprofitable or experiencing a continuous decline in business.

7

Plans for which the information may not be available are expected to be only those plans that do not report such information with certain governmental agencies pursuant to the Employee Retirement Income Security Act of 1974(ERISA).

II. SAMPLE COMPANY DATA

CQNAME	AKZONA	EXXON	GULF		TRW
	INC	CORP	RESOURCES & CHE	I B M	INC
CUSIPVL	10202	302290	402496	459200	872649
SICVL	2281	1311	1031	3573	3714
SICCM	2200	2911	1031	3570	3714
PRIMAUD	2	7	1	7	5
FYE80	12	12	12	12	12
PE1	14.03	713.00	4.54	1109.00	87.80
PE2	11.92	546.00	4.34	971.00	96.80
PE3	9.81	391.00	3.86	877.00	85.30
AVB1	113.06	4211.00	32.42	5166.00	684.56
AVB2	.	3739.00	28.37	4163.00	626.47
AVB3	.	.	.	.	.
ANB1	4.05	361.00	3.80	168.00	93.42
ANB2	.	57.00	3.79	143.00	86.03
ANB3	.	.	.	.	.
NAAB1	142.81	5961.00	23.55	5712.00	950.83
NAAB2	.	4703.00	19.00	4268.00	715.17
NAAB3	.	.	.	.	.
IRH1	9.00	15.00	6.50	4.75	8.50
IRH2	.	15.00	6.50	4.75	8.50
IRH3	.	.	.	.	.
IRL1	.	4.00	.	.	.
IRL2	.	4.00	.	.	.
IRL3	.	.	.	.	.
DATE1	E	E	B	E	E
DATE2	.	E	B	E	E
DATE3	.	.	.	.	.
MEP	N	N	N	N	N
FOR	N	Y	N	N	N
ACTCM	N	N	N	N	N
CHGAA	N	N	N	N	Y
AMEND	N	N	N	N	N

. means missing value (not disclosed by the company).

III. CODING FORMS

Data Element		1980	1979	1978	Custip Code
25. Pension Expense		25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
26. Accumulated Vested Benefits		26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
27. Accumulated Unvested Benefits		27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
28. Net Assets Available for Benefits		28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
29. Interest Rate or Range Used to Calculate Accumulated Vested and Unvested Benefits		29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
30. Date of Information (Beginning of yr.; end of yr.; 0-Other)		30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Batch: _____ Form _____
 Completed By: _____ Date: _____
 Reviewed By: _____ Date: _____
 Key punched By: _____ Date: _____

Company Name: _____

TABLE V: PENSION INFORMATION

TABLE V: PENSION INFORMATION (Continued)

31. Other Questions -- Y(yes), or N(no)

(These questions pertain to information in 1980 Annual Reports, regardless of whether reference is to 1980, or prior years, or both)

- a. Is there any indication that the company makes contributions to a multiemployer pension plan, such as a union sponsored plan?
- b. Does the company present any dollar information about foreign pension plans?
- c. Does the company disclose the actuarial cost method used for funding purposes?
- d. Does the company mention a change in actuarial assumptions?
- e. Does the company mention a pension plan amendment, or creation of a new plan, or any other matter affecting comparability?

37
38
39
40
41

IV. COMPANIES DELETED DUE TO HAVING NOT DISCLOSED PENSION DATA

<u>CUSIP NUMBER</u>	<u>COMPANY NAME</u>
7239	ADOBE OIL & GAS CORP
23905	AMDAHL CORP
26051	AMERICAN FINANCIAL C
67149	BARBER OIL CO
87851	BEVERLY ENTERPRISES
124187	BUTTES GAS & OIL
125615	CLC OF AMERICA
153487	CENTRAL FREIGHT LINE
161901	CHART HOUSE INC
165496	CHESSIE SYSTEM INC
178566	CITY NATIONAL CORP
254063	DILLARD DEPARTMENT S
316144	FIDELITY FINANCIAL
339376	FLEXI-VAN
340639	FLORIDA EAST COAST R
345550	FOREST CITY ENTERP
364640	GAMBLE SKOGMO INC
402550	GULF STATES UTILITIE
442281	HOUSTON OIL&MINERALS
442672	HOWARD JOHNSON
458140	INTEL CORP
485170	KANSAS CITY SOUTHERN
500755	KRAFT INC
552901	MCO HOLDINGS INC
579885	MCCULLOCH OIL CORP
590655	MESA PETROLEUM
614240	MONTGOMERY WARD CRDT
670346	NUCOR CORP
690368	OVERSEAS SHIPHOLDING
741029	PRESLEY COMPANIES
777764	ROSES STORES INC
811641	SEABOARD WORLD AIRLI
844741	SOUTHWEST AIRLINES
912061	US HOME CORP
999997	OMAHA PUBLIC POWER
999998	STSC

V. LIST OF COMPANIES

NUMBER	CUSIP	COMPANY NAME	NUMBER	CUSIP	COMPANY NAME
1	800	ACF INDUSTRIES	57	33047	ANCHOR HOCKING CORP
2	1688	AMF INCORPORATED	58	35229	ANHEUSER-BUSCH
3	2080	ATO INC	59	37411	APACHE CORP
4	2824	ABBOTT LABORATORIES	60	39604	ARCO PIPELINE COMPAN
5	8677	AHMANSON (HF)	61	40465	ARIZONA BANK PHOENIX
6	10202	AKZONA INC	62	40555	ARIZONA PUBLIC SERV
7	10235	AMSOUTH BANCORPORATI	63	40789	ARKANSAS BEST
8	10239	ALABAMA BY-PRODUCT	64	40879	ARKANSAS LOUISIANA
9	10392	ALABAMA POWER CO	65	42170	ARMCO INC
10	11734	ALASKA INTERSTATE	66	42476	ARMSTRONG
11	12347	ALBANY INTERNATIONAL	67	43339	ARVIN INDUSTRIES
12	13104	ALBERTSON'S INC	68	43413	ASARCO INC
13	13716	ALCAN ALUMINUM	69	45573	ASSOCIATED DRY GOODS
14	14482	ALEXANDER & BALDWIN	70	47483	ATHLONE INDUSTRIES
15	17176	ALLEGHANY CORP	71	48303	ATLANTIC CITY ELEC
16	17372	ALLEGHENY LUDLUM IND	72	48825	ATLANTIC RICHFIELD
17	17411	ALLEGHENY POWER SYS	73	54303	AVON PRODUCTS INC
18	17634	ALLEN GROUP INC	74	58319	BALDWIN UNITED
19	18870	ALLIED BANCSHARES IN	75	58498	BALL CORP
20	19087	ALLIED CHEMICAL CORP	76	58732	BALLY MANUFACTURING
21	19411	ALLIED PRODUCTS	77	59165	BALTIMORE GAS & ELEC
22	19519	ALLIED STORES	78	59438	BANC ONE CORPORATION
23	19555	ALLIED TELEPHONE CO	79	59442	BANCAL TRI-STATE
24	19645	ALLIS-CHALMERS CORP	80	59635	BANCO POPULAR
25	20771	ALPHA PORTLAND IND	81	59671	BANCOHIO CORPORATION
26	22249	ALUMINUM CO OF AMER	82	59680	BANKOKLAHOLMA CORP
27	22771	AMALGAMATED SUGAR	83	59685	BANCORP HAWAII INC
28	23127	AMAX INC	84	61599	BANK OF COMMONWEALTH
29	23519	AMERACE CORPORATION	85	64057	BANK OF NEW YORK
30	23551	AMERADA HESS	86	65446	BANK OF VIRGINIA
31	23771	AMERICAN AIRLINES	87	66050	BANKAMERICA CORP
32	24069	AMERICAN BAKERIES	88	66365	BANKERS TRUST NY COR
33	24703	AMERICAN BRANDS INC	89	66480	BANKS OF IOWA
34	24735	AMER BROADCASTING	90	67806	BARNES GROUP
35	24843	AMERICAN CAN	91	68055	BARNETT BANKS OF FLA
36	25321	AMERICAN CYANAMID CO	92	71707	BAUSCH & LOMB
37	25411	AMER DISTRICT TELEGR	93	71892	BAXTER TRAVENOL LABS
38	25537	AMERICAN ELECTRIC	94	72612	BAY STATE GAS
39	25816	AMERICAN EXPRESS	95	72723	BAY BANKS INC
40	26609	AMER HOME PRODUCTS	96	77266	BEKER INDUSTRIES
41	26681	AMERICAN HOSP SPL	97	77419	BELCO PETRO
42	26874	AMERICAN INT'L GROUP	98	77851	BELL & HOWELL CO
43	27339	AMERICAN MAIZE-PRODS	99	81437	BEMIS COMPANY INC
44	28591	AMER NAT INS CO	100	81721	BENEFICIAL CORP
45	28609	AMER NAT RESOURCES	101	87509	BETHLEHEM STEEL CORP
46	28861	AMERICAN PETROFINA	102	88734	BIC PEN
47	29544	AMERICAN SECURITY CO	103	89671	BIG THREE INDUSTRIES
48	29717	AMERICAN STANDARD	104	90743	BIRD & SON INC
49	30096	AMER STORES	105	92113	BLACK HILLS POWER &
50	30177	AMERICAN TELE & TELE	106	96650	BOATMEN'S BANCSHARES
51	30411	AMERICAN WATERWORKS	107	97023	BOEING CO
52	30900	AMERITRUST CORP	108	97383	BOISE CASCADE CORP
53	31105	AMETEK INC	109	99599	BORDEN INC
54	31141	AMFAC INC	110	99725	BORG-WARNER
55	31897	AMP INC	111	99855	BORMAN'S INC

NUMBER	CUSIP	COMPANY NAME	NUMBER	CUSIP	COMPANY NAME
113	105425	BRANIFF INTL CORP	169	167166	CHICAGO & NW TRANSP
114	110097	BRISTOL-MYERS	170	167898	CHICAGO PNEUMATIC
115	111325	BROADVIEW FINANCIAL	171	171106	CHROMALLOY AMER CORP
116	111853	BROCKWAY GLASS	172	171196	CHRYSLER CORP
117	115223	BROWN & SHARPE	173	171232	CHUBB
118	117043	BRUNSWICK CORP	174	171583	CHURCH'S FRIED CHICK
119	117421	BRUSH WELLMAN	175	171870	CINCINNATI BELL
120	118745	BUCYRUS-ERIE	176	172070	CINCINNATI G & E
121	120655	BUNKER RAMO CORP	177	172172	CINCINNATI MILACRON
122	121897	BURLINGTON NORTHERN	178	173034	CITICORP
123	122205	BURNDY CORP	179	173036	CITIES SERVICE
124	122781	BURROUGHS CORP	180	173144	CIT & SOUTHERN NAT'L
125	123655	BUTLER MFG	181	174566	CITIZENS FIDELITY CO
126	124800	CBI INDUSTRIES INC	182	177342	CITIZENS UTILITIES
127	124845	CBS INC	183	177846	CITY INVESTING CO
128	124850	CBT CORPORATION	184	181396	CLARK EQUIPMENT
129	126117	CNA FINANCIAL	185	181486	CLARK OIL & REFINING
130	126149	CPC INTERNATIONAL	186	186000	CLEVE CLIFFS IRON
131	126157	CP NATIONAL CORP	187	186108	CLEVELAND ELECTRIC
132	126408	CSX CORP	188	189486	CLUETT PEABODY
133	126501	CTS CORPORATION	189	190441	THE COASTAL CORP
134	128793	CALDOR INC	190	191162	COCA COLA BTLING NY
135	130221	CALIF FIRST BANK	191	191216	COCA COLA
136	134449	CAMPBELL TAGGART	192	193558	COLEMAN CO INC
137	137735	CANNON MILLS COMPANY	193	194162	COLGATE PALMOLIVE CO
138	139861	CAPITAL CITIES COMM	194	196538	COLORADA BANKSHARES
139	142339	CARLISLE CORP	195	196864	COLT INDUSTRIES
140	143483	CARNATION CO	196	197648	COLUMBIA GAS SYSTEM
141	144141	CAROLINA POWER LIGHT	197	198846	COLUMBUS & SO OHIO
142	146015	CARSON PIRIE SCOTT	198	200166	COMBINED INTERNATL
143	146227	CARTER HAWLEY HALE	199	200273	COMBUSTION ENG
144	148429	CASTLE & COOKE INC	200	200525	COMMERCE BANCSHARES
145	149123	CATERPILLAR TRACTOR	201	202795	COMMONWEALTH EDISON
146	150033	CECO CORP	202	203201	CORCO
147	150843	CELANESE CORP	203	203348	COMMONWEALTH TELEPHO
148	152357	CENTRAL & SOUTH WEST	204	203417	COMSAT
149	152420	CENT BANCORPORATION	205	204021	COMMUNITY PUBL SERV
150	152425	CENTRAL BANCSHARES	206	206813	CONE MILLS CORP
151	153609	CENT HUDSON GAS&ELEC	207	207579	CONNECTICUT GENERAL
152	153645	CENT ILLINOIS LIGHT	208	207651	CONN NATURAL GAS
153	153663	CENTRAL ILLINOIS PS	209	208251	CONOCO INC
154	153899	CENT LOUISIANA ENGY	210	209111	CONSOLIDATED EDISON
155	154051	CENTRAL MAINE POWER	211	209237	CONSOLIDATED FREIGHT
156	155033	CENTRAL POWER & LIGH	212	209615	CONSOLIDATED NAT GAS
157	155447	CENT TEL & UTILS	213	209759	CONSOLIDATED PAPERS
158	155771	CENTRAL VERMONT	214	210615	CONSUMERS POWER
159	156260	CENTRAN CORP	215	210795	CONTINENTAL AIRLINES
160	156686	CENTURY TELEPHONE	216	211156	CONTINENTAL BANK
161	156879	CERTAIN TEED CORP	217	211327	CONTINENTAL CORP
162	158525	CHAMPION INTL CORP	218	211452	CONTL GROUP INC
163	158663	CHAMPION SPARK PLUG	219	211485	CONIL ILLINOIS CORP
164	161177	CHARTER CO	220	212093	CONTL TELEPHONE CORP
165	161610	CHASE MANHATTAN BANK	221	212363	CONTROL DATA CORP
166	163798	CHEMICAL NEW YORK	222	216244	COOK UNITED INC
167	165159	CHESAPEAKE CORP VA	223	216669	COOPER INDUSTRIES
168	165339	CHESEBROUGH-PONDS	224	216831	COOPER TIRE

NUMBER	CUSIP	COMPANY NAME	NUMBER	CUSIP	COMPANY NAME
225	21701	ORS (ADOLPH)	281	291210	EMHART CORP
226	21768	PPERWELD CORP	282	291641	EMPIRE DISTRICT ELEC
227	21932	RNING GLASS WORKS	283	292711	ENERGY RESERVES GROU
228	22400	OX BROAD CORP	284	292848	ENGLEHARD MIN & CHEM
229	22439	SANE CO	285	293567	ENSERCH CORP
230	22541	EDITHRIFT FIN INC	286	294432	EQUIMARK CORP
231	22682	OCKER NAT'L CORP	287	294441	EQUITABLE BANCORP
232	22781	OUSE-HINDS CO	288	294497	EQUITABLE GAS
233	22821	OWN CENTRAL PETRO	289	294560	EQUITABLE S & L
234	22825	OWN CORK & SEAL CO	290	297659	ETHYL CORP
235	22866	OWN ZELLERBACH	291	299209	EVANS PRODUCTS CO
236	22879	UM & FORSTER	292	302290	EXXON CORP
237	22888	UTCHER RESOURCES	293	302491	FMC CORP
238	22938	CRYSTAL OIL CO	294	302808	FABERGE INC
239	22989	CULBRO	295	303711	FAIRCHILD IND
240	23156	CURTISS WRIGHT CORP	296	309594	FARMERS GROUP INC
241	23252	CYCLOPS CORP	297	311442	GREAT WESTERN FINAN
242	23577	DAN RIVER INC	298	313549	FEDERAL-MOGUL
243	23741	DART & KRAFT	299	313586	FEDERAL NATL MORTGAG
244	23742	DART INDUSTRIES	300	313693	FEDERAL PAPER BOARD
245	23975	DAYTON HUDSON CORP	301	314099	FEDERATED DEPARTMENT
246	24001	DAYTON POWER & LIGHT	302	315405	FERRO CORP
247	24710	DELMARVA PWR & LIGHT	303	315743	FIDELCOR INC
248	24788	DELTONA CORP	304	316438	FIDELITY UNION BANK
249	24801	DELUXE CHECK PRINT	305	316549	FIELDCREST MILLS
250	24863	DENNISON MFG	306	316773	FIFTH THIRD BANCORP
251	24902	DENTSPLY INT'L	307	317421	FINANCIAL CORP AMER
252	24955	DEPOSIT GUARANTY	308	317528	FINANCIAL GENERAL
253	25059	DE SOTO INC	309	318396	FIRST&MERCHANTS CORP
254	25084	DETROIT EDISON	310	318464	FIRST AL BANKSHARES
255	25145	DETROITBANK CORP	311	318501	FIRST AMERICAN BANK
256	25216	DEXTER CORP	312	318605	FIRST AM CORP TENN
257	25243	DI GIORGIO CORP	313	318626	FIRST ATLANTA CORP
258	25266	DIAMOND INTL	314	319279	FIRST BANK SYSTEM
259	25274	DIAMOND-SHAMROCK	315	319441	FIRST CHARTER FINAN
260	25411	DILLINGHAM CORP	316	319455	FIRST CHICAGO CORP
261	25718	DOMINION BANKSHARES	317	319594	FIRST CITY BAN TEXAS
262	25786	DONNELLY (RR) & SONS	318	320076	FIRST EMPIRE STATE
263	25843	DORSEY CORP	319	320264	FIRST FLORIDA BANKS
264	26000	DOVER CORPORATION	320	320506	FIRST HAWAIIAN INC
265	26054	DOW CHEMICAL	321	320545	FIRST INTL BANCSHARES
266	26056	DOW JONES & CO	322	320652	FIRST KENTUCKY NAT'L
267	26147	DRAVO CORP	323	320806	FIRST MARYLAND BANCO
268	26353	DU PONT	324	321072	FIRST NATIONAL BANKC
269	26439	DUKE POWER	325	335554	FIRST NATL BOSTON
270	26483	DUN & BRADSTREET	326	335558	FIRST NATL CHARTER
271	26622	DUQUESNE LIGHT CO	327	335562	FIRST NAT'L CINCINNA
272	27033	EASCO CORPORATION	328	335742	FIRST NATIONAL STATE
273	27619	EASTERN AIRLINES	329	336072	FIRST PENN CORP
274	27646	EASTERN GAS & FUEL	330	336294	FIRST SECURITY CORP
275	27717	EASTERN UTILITIES	331	337162	FIRST TENNESSEE NATL
276	27746	EASTMAN KODAK CO	332	337354	FIRST UNION BANCORP
277	27805	EATON CORP	333	337358	FIRST UNION CORP
278	28087	EDISON BROS STORES	334	337411	FIRST UNITED BANCORP
279	28336	EL PASO COMPANY	335	337477	FIRST VIRGINIA BANKS
280	28367	EL PASO ELECTRIC	336	337570	FIRST WISCONSIN CORP

NUMBER	CUSIP	COMPANY NAME	NUMBER	CUSIP	COMPANY NAME
337	337819	FISHER FOODS	393	382550	GOODYEAR TIRE
338	338027	FISHER SCIENTIFIC	394	383492	GOULD INC
339	338412	FLAGSHIP BANKS INC	395	383883	GRACE (WR)
340	339130	FLEMING COMPANIES	396	384802	WW GRAINGER INC
341	341018	FLORIDA NATIONAL BAN	397	387478	GRANITEVILLE CO
342	341081	FLORIDA POWER & LIGHT	398	390662	GREAT LAKES INTL
343	341099	FLORIDA POWER CORP	399	391090	GREAT NORTH NEKOOSA
344	344892	FOOTE MINERAL	400	398028	GREYHOUND
345	345370	FORD MOTOR	401	400181	GRUMMAN CORP
346	346091	FOREST OIL	402	400739	GUARANTEE FINANCIAL
347	347460	FORT HOWARD PAPER	403	401370	GUARDIAN IND CORP
348	350244	FOSTER WHEELER	404	402460	GULF OIL CORP
349	350391	FOTOMAT CORP	405	402496	GULF RESOURCES & CHE
350	350897	FOUR-PHASE INC	406	402578	GULF UNITED CORP
351	351604	FOXBORO CO	407	404594	HACKENSACK WATER CO
352	356715	FREEMPORT MINERALS CO	408	406216	HALLIBURTON CO
353	359064	FRONTIER AIRLINES	409	407027	HAMILTON BROTHERS
354	359370	FRUEHAUF CORP	410	408306	HAMMERMILL PAPER
355	361028	FUQUA IND	411	410306	HANDY & HARMAN
356	361428	GAF CORPORATION	412	410522	HANNA MINING CO
357	361448	GATX CORP	413	411631	HARCOURT BRACE JOV
358	361578	GDV INC	414	413841	HARRIS BANKCORP
359	361582	GEICO CORPORATION	415	415864	HARSCO CORP
360	361765	GK TECHNOLOGIES INC	416	416234	HARTFIELD ZODYS
361	364730	GANNETT CO INC	417	416655	HARTFORD NATIONAL CO
362	366028	GARFINCKEL BROOKS	418	419866	HAWAIIAN ELECTRIC
363	367208	GAS SERVICE CO	419	422686	HECK'S
364	368298	GEARHART INDUSTRIES	420	422884	HEILEMAN (G) BREWING
365	369100	GENERAL BANCSHARES	421	423329	HELLER (WALTER E) IN
366	369550	GENERAL DYNAMICS	422	427056	HERCULES INC
367	369604	GENERAL ELECTRIC	423	427210	HERITAGE BANCORP
368	370064	GENERAL HOST	424	427866	HERSHEY FOODS
369	370442	GENERAL MOTORS CORP	425	428146	HESSTON CORPORATION
370	370514	GEN PORTLAND INC	426	432848	HILTON HOTELS
371	370550	GEN PUBLIC UTILITIES	427	435081	HOLIDAY INNS INC
372	370622	GENERAL REFRACTORIES	428	437129	THE HOME GROUP
373	370639	GENERAL REINSURANCE	429	437614	HOMESTAKE MINING
374	370838	GENERAL SIGNAL CORP	430	438506	HONEYWELL INC
375	371028	GENERAL TELEPHONE	431	439272	HOOVER CO
376	371046	GENERAL TEL CO OF CA	432	441065	HOSPITAL CORP OF AME
377	371064	GEN TEL OF FLORIDA	433	441074	HOST INTERNATIONAL
378	372460	GENUINE PARTS	434	441812	HOUSEHOLD FINANCE
379	373298	GEORGIA-PACIFIC CORP	435	441902	HOSPITAL TRUST CORP
380	373334	GEORGIA POWER CO	436	442161	HOUSTON INDUSTRIES
381	374280	GETTY OIL	437	443510	HARVEY HUBBELL INC
382	374658	GIBRALTAR FINANCIAL	438	444492	HUGHES TOOL
383	375046	GIDDINGS & LEWIS INC	439	446150	HUNTINGTON BANCSHARE
384	375149	GIFFORD-HILL & CO	440	448499	HUTTON (EF)
385	375766	GILLETTE CO	441	449168	HYSTER COMPANY
386	376109	GINO'S INC	442	449268	IC INDUSTRIES INC
387	376115	GIRARD CO	443	449744	INA CORP
388	377316	GLATFELTER (P H) CO	444	450694	IU INT'L CORP
389	377352	GLEASON WORKS	445	451380	IDAHO POWER
390	379352	GLOBAL MARINE INC	446	451542	IDEAL BASIC IND
391	381317	GOLDEN WEST FINAN	447	452092	ILLINOIS POWER
392	382388	B F GOODRICH	448	452308	ILLINOIS TOOL WORKS