Thomson Financial
Legacy Ownership Data Feed Products

The information supplied in this document outlines how Thomson delivers its 13F historical ownership content via its datafeed product.

Thomson offers extremely extensive 13F history back to 1978. There are multiple feed specifications due to the fact that database changes were made over time.

The data contained in these feeds appears as filed. In addition, the data is sold "as is" since it is virtually impossible to troubleshoot any anomalies that occurred in the past.

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Performance Matters[SM]

www.thomson.com/financial

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

1978 to 1990

*This document is 1 of 6 documents that cover the historical feed
specifications from 1978 to Present.*

Thomson Financial ● 195 Broadway ● New York, NY 10007 USA

THOMSON FINANCIAL
Institutional 13(f) Common Stock Holdings & Transactions
Data Specifications for <u>1978 to 1990</u>

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear "as filed.")**
History:	**This specification is for period file of 1978 thru 1990 inclusive.**
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided. **[Note that CD's are no longer available]**
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	**There are 4 files per record with 19 data items** *This differs from the 13F for 3/2000 where there are 29 (total) data items (23 unique).*

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File No. 1   Manager Identification Key File [s.341.out]

1-5	**Manager Number**	An internal identifier of the (money) managing company.	
6-35	**Manager Name**	The corresponding name to the manager number above.	
36	**Type Code***	The type of 13F institution	
37-42	**Report Date**	The date of source filing in mmddyy format	
43-47	**Permanent Key #**	A legacy identifier (Right-Justified Numeric)	
		# - This data item exists as of 1979.	

* Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File [s.342.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	**Stock Name**	The name of the issue/security/stock <u>owned</u>.
37-40	**Ticker Symbol**	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-44	**End Of Quarter**	
	Shares Outstanding	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
45-50	**End Of Quarter Price**	The quarter-end closing stock price of the stock in $$$$.¢¢ format.

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File [s.343.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution
15-25	**Shares Held At Quarter End**	The number of outstanding shares held by the owner/filer at the end of the quarter.
26-36	**Sole Voting Authority Shares Held**	The number of shares held for which the filer exercises sole voting authority.
37-47	**Shared Voting Authority Shares Held**	The number of shares held for which the filer shares voting authority.

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File [s344.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution.
15-25	**Net Change In**	
	Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report
		(See prior report date for reference date).

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

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Sample of Data Feed Contents

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
 __110A R ASSET MANAGEMENT, INC.     5033100
   120AAL CAPITAL MANAGEMENT          5033100 2042
   125ACF INDUSTRIES                  5033100 2100
   127AEW CAPITAL MGMT INC            4033100 2386
   128AEW/LP                          5033100
   135AIG INTL MANAGEMENT CO, INC.    5063099 2189
   140AIM MANAGEMENT GROUP,INC.       5033100  965
   150AFA FINANCIAL INC.              5033100  208
   155SEB ASSET MGMT AMERICA INC      4033100 2239
   160LEND LEASE ERE ROSEN REAL ESTA5033100 2008
   165HENDERSON FUND MANAGEMENT PLC 3123199
   180MARXE A & GREENHOUSE DM         4033100 2027
   185ASB CAPITAL MANAGEMENT, INC.    5033100 2619
   190AT&T INVESTMENT MGMT CORP.      5033100 2117
   195ABERDEEN ASSET MANAGEMENT PLC 4033100
   200ABERDEEN AMERICA, INC.          5033100 1558
   205ABNER, HERRMAN & BROCK INC.     5033100 2329
   210ACADEMY CAPITAL MGMT, INC.      5093099 2223
   220ACADIAN ASSET MANAGEMENT, INC.5033100 2230
   221ACCEL INTERNET/STRAT TECH ASSO4033100
   222ACCEL IV LP                     5033100
   223ACCEL V ASSOCIATES LLC          5033100
 __230ACADIA PARTNERS, L.P.           5123199 2576
```

This space here is purposeful and represents locations 1 and 2 (of the 5 spcified for the data item, "Manager Number")

And the second file (s342.out)…

```
00035730AAL MUT FDS                 AAMB     1081
00036020AAON INC                    AAON   6 1756
00036110AAR CORP                    AIR   27 1669
00036J10AARP GROWTH FDS             AGIF     5061
00036J20AARP GROWTH FDS             ACGF     7471
00036M10AARP INCOME FDS             AGNM     1443
00036Q10AARP TAX FREE INCOME TR     AHTX
00036Q20AARP TAX FREE INCOME TR     AITG     1759
00037510ABB LTD                     ABLJ    11487
00040010ABC BANCORP                 ABCB   9 1006
00057310ABC DISPENSING TECHOLOGIES IABCC  19   47
00075210ABC-NACO INC                ABCR   19  875
00078810A B WATLEY GROUP INC        ABWG    8 2600
00078H10ABN AMRO FDS                RTFT      959
00078H50ABN AMRO FDS                RTET     1004
00078H64ABN AMRO FDS                RLAE     1467
00078H68ABN AMRO FDS                RGTX
00078H70ABN AMRO FDS                RGFI      941
00078H73ABN AMRO FDS                RATI     1063
00078H77ABN AMRO FDS                RIEQ     2464
00078H79ABN AMRO FDS                RSMC     1591
00078H82ABN AMRO FDS                RGTC     1873
00078H84ABN AMRO FDS                RVAL     1258
```

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And the third (s343.out)…

```
00035730542805          1140500036020   4854          10500
00036020 79004          8519600036020100105           9700
00036020100425          5090000036020122805          76400
00036020230005         1959400036020256102            4300
00036020377001         1104910036020490905           864600
00036020501005          4870000036020501605           9700
00036020855605           300000036110   1205         37100
00036110   5005           60000036110   6505         17700
00036110   9805          3960000036110 23402          7250
00036110 24702           480000036110 38801           4995
00036110 47195         64930000036110 58505           3448
00036110 59551           3050000036110 68901         19301
00036110 78001         24139400036110 79004          544049
00036110 94005          6990700036110100105          51603
00036110100455         17590000036110118005          28200
00036110121205         10047900036110128005           6022
00036110129505          4330000036110129705            723
00036110150984          2500000036110153451         1019335
00036110182653         18037500036110187405          36250
00036110190004          8179000036110192001          23420
00036110219251             1500036110223005          36800
00036110228605         16800000036110230005         1940400
```

And the fourth (s344.out)…

```
00036020 79004            30000036020 82085        -1095090
00036020100425          5090000036020122805          76400
00036020230005           840000036020256102           3500
00036020377001          3250100036020490905          864600
00036020501005          4870000036020849005         -20495
00036020855605          -120000036110   1205         37100
00036110   5005          -60000036110   6505          1300
00036110   9805        -1090000036110 24702           -800
00036110 38801           4995000036110 47195         649300
00036110 58105         -1800000036110 58505         -42040
00036110 59551         -1325000036110 68901            351
00036110 78001          3262500036110 79004         -29980
00036110 90505           -810000036110 94005         34775
00036110100455         17590000036110108405         -13060
00036110118005           530000036110129505          43300
00036110150984          2500000036110153451         -39875
00036110182653          2760000036110187405           2900
00036110190004           -50000036110214355         -13100
00036110219251             1500036110222325         -56200
00036110223005          -1790000036110228605         -4300
00036110229055         -45140000036110230005          5900
00036110231005           -620000036110236001           -400
```

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

Data Specification for all files dated:

1991 to 1998

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*This document is 2 of 6 documents that cover the historical feed specifications from 1978 to Present.

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THOMSON FINANCIAL
Institutional 13(f) Common Stock Holdings & Transactions
Data Specifications for all files <u>1991-1998</u>

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear "as filed.")**
History:	Data is available historically **from 1991 thru 1998 inclusive.**
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided.
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	<u>There are 6 files per record with 23 total (non-unique) data items.</u>

File No. 1   Manager Identification Key File   [s.341.out]

1-5	**Manager Number**	An internal identifier of the (money) managing company.
6-35	**Manager Name**	The corresponding name to the manager number above.
36	**Type Code***	The type of 13F institution
37-42	**Report Date**	The date of source filing in mmddyy format
43-47	**Permanent Key #**	A legacy identifier (Right-Justified Numeric)
		# - This data item exists as of 1979.

Primary Keys linking files

* Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others.

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File   [s.342.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	**Stock Name**	The name of the issue/security/stock <u>owned</u>.
37-40	**Ticker Symbol**	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-44	**End Of Quarter Shares Outstanding**	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
45-50	**End Of Quarter Price**	The quarter-end closing stock price of the stock in $$$$.¢¢ format.
51-56	**Extended Ticker Symbol+**	A longer ticker symbol used to further identify a stock (e.g. an ADR issue of a stock).
		+Note: This data item exists STARTING in 1996 files. Up until 1995 the files stop at position 50 ("End of Quarter Price")

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File   [s.343.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution
15-25	**Shares Held At Quarter End**	The number of outstanding shares held by the owner/filer at the end of the quarter.

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File   [s344.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution.
15-25	**Net Change In Shares Since Prior Report**	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 5   Transactions File   [s345.out]

Lists the number of lines contained within files 1 – 5.

File No. 6   Transactions File   [s346.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14-24	Shares held	Shares held as of quarter end
25-35	**Net Change In Shares Since Prior Report**	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

(a) Exchange Codes:

A NYSE Equities & Options
B AMEX Equities & Options
C PBW & Boston Exchange E&O
D Midwest Stock Exchange
E Pacific Coast Exchange E&O
F NASDAQ Small Cap Stocks
G Market Indicators
I OTC Mutual Funds
J Toronto Stock Exchange
K Montreal Stock Exchange
L NYSE Bonds
M AMEX Bonds
N OTC Corporate Bonds
O Canadian OTC Bonds
P U.S. Govt Bonds
S Municipal Bonds
U OTC Utility Preferred Stocks
V NASDAQ National Market System
W Vancouver Stock Exchange
X OTC Equipment Trust Bonds
Y U.S. Savings Bonds
Z Alberta Stock Exchange

(b) Stock Class Codes:

0 Common, Ordinary, etc.
1 Cvt or NonCvt Preferred Stock
2 Warrant or Right
7 Mutual Fund
+ Foreign

(c) Industry Type Codes:

0 Unknown
101 Aerospace
102 Agriculture
103 Airlines
104 Automobile
105 Banks & Savings Institutions
106 Beverages
107 Chemicals
108 Computer Hw Sw & Svcs
109 Construction & Engineering
110 Consumer Services
111 Electrical & Electronics
100 Miscellaneous
112 Energy and Fuels
113 Entertainment
114 Financial Services
115 Food & Restaurants
116 Healthcare
117 House wares & Household Items
118 Industrial Manufacturing
119 Insurance
120 Investment Services
121 Leisure Travel & Lodging
122 Machinery & Equipment
123 Media
124 Metals & Mining
125 Packaging
126 Paper & Forest Products
127 Publishing & Printing
128 Real Estate
129 Retail & Consumer Goods
130 Semiconductors
131 Telecommunications
132 Textiles & Apparel
133 Tobacco
134 Transportation
135 Utilities: Water-Electric-Gas
136 Waste & Environmental Mgmt

Sample of Data Feed Contents

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
110A R ASSET MANAGEMENT, INC.      5123101          093001UNITED STATES
115033 ASSET MANAGEMENT, LLC        5123101          093001UNITED STATES
120AAL CAPITAL MANAGEMENT CORP.    5123101 2042     093001UNITED STATES
125ACF INDUSTRIES                   5123101 2100     093001UNITED STATES
127AEW CAPITAL MANAGEMENT, L.P.    5123101 2386     093001UNITED STATES
128AEW/LP                          5123101          093001UNITED STATES
135DKR CAPITAL                     5123101 2189     093001UNITED STATES
140AIM MANAGEMENT GROUP,INC.       5123101  965     093001UNITED STATES
145ABANCO INVESTMENT LIMITED       4063001          033101UNITED STATES
155SEB ASSET MGMT AMERICA INC.     5123101 2239     093001UNITED STATES
160LEND LEASE ROSEN REAL ESTATE S5123101 2008     093001UNITED STATES
165HENDERSON FUND MANAGEMENT PLC 3093001          063001UNITED KINGDOM
```

This space here is purposeful and they represent locations 1 and 2 (of 5).

And the second file (s342.out)…

```
00036020AAON INC                    AAON    9   2710AAON  V0COM     8780   122
00036110AAR CORP                    AIR    27   1077AIR   A0COM    26860   134
00037520ABB LTD                     ABB 1200    780ABB    A+AR   1200009   100
00040010ABC BANCORP                 ABCB   10   1460ABCB  V0COM     9999   105
00057310ABC DISPENSING TECHOLOGIES IABCC   23     0ABCC   F0COM    23270   122
00075210ABC-NACO INC                ABCQ   20     0ABCQ   F0COM    19872   122
00078810A B WATLEY GROUP INC        ABWG   13    110ABWG  V0COM    12887   120
00078H55ABN AMRO FDS                IPMX           IPMXX  I7COM            120
00078H77ABN AMRO FDS                RIEQ       1202RIEQX  I7COM            120
00078H84ABN AMRO FDS                RVAL       1033RVALX  I7               120
00086810ACNB CORP                   ACNB    5   1825ACNB  F0COM     5436   105
00086T10A C MOORE ARTS & CRAFTS INC ACMR    9   3815ACMR  V0COM     9304   116
00087B10ACR GROUP INC               ACRG   11     46ACRG  F0COM    10681   122
00088110A CONSULTING TEAM INC       TACX    7     60TACX  V0COM     7117   108
00088610A D C TELECOMMUNICATIONS    ADCT  794    407ADCT  V0COM   794212   131
00088E10ACTV INC                    IATV   56    151IATV  V0COM    55880   131
00088N10ADB SYS INTL INC            ADBI   39     28ADBI  V0COM    38598   108
00088U10A D A M INC                 ADAM    7    364ADAM  V0COM     6588   108
00089C10ADE CORP MASS               ADEX   14   1527ADEX  V0COM    13652   122
00091210ACM INCOME FUND INC         ACG   224    771ACG   A7COM   224217   120
00091810ACM GOVT OPPORTUNITY FD INC AOF    13    859AOF   A7COM    12555   120
00091910ACM MANAGED INCOME FD INC   AMF    24    465AMF   A7COM    24197   120
```

And the third (s343.out)…

```
00036020   4854       10575          0          0          0
00036020  58505      248500     248500          0          0
00036020  78001         26          26          0          0
00036020  79004      53118       53118          0          0
00036020100425     108450      108450          0          0
00036020122805     143275      143275          0          0
00036020124055     508068      508068          0          0
00036020129505      80100           0          0          0
00036020230005     299295      299295          0          0
00036020278005     574500        4600          0     569900
00036020377001     164919      164919          0          0
```

```
00036020490355       129850       124250            0         5600
00036020490905       330750       330750            0            0
00036020501004       169220       169220            0            0
00036020501605          450          450            0            0
00036020567805         3148            0            0            0
00036020589504        75901        75901            0            0
00036020628901        85875        85875            0            0
00036020642405        14200        14200            0            0
00036020704703        14200        14200            0            0
00036020767605         1050         1050            0            0
00036020790505         2300            0         2300            0
00036020893101        33350            0        13600        19750
```

And the fourth (s344.out)…

```
00036020   4854        -1725
00036020 58505         56200
00036020 78001            26
00036020 79004        -28476
00036020 93605        -65475
00036020122805        -19550
00036020124055           -77
00036020129505         80100
00036020163305          -150
00036020278005         27000
00036020377001         13032
00036020490355         25000
00036020490905        -17400
00036020501004        169220
00036020501605        -57000
00036020567805        -18197
00036020589504             1
00036020628901        -43751
00036020642405           100
00036020704703         14200
00036020790505          2300
00036020855605          -900
00036020893101         19625
```

And the fifth (s345.out)…

```
File 1 contains     2064 lines
File 2 contains    12283 lines
File 3 contains   542497 lines
File 4 contains   507597 lines
File 5 contains        5 lines
```

And the sixth (s346.out)…

```
00036020   485         8200             0
00036020 5850        128200        128200
00036020 7900         54396          1000
00036020 9360         43650         43650
0003602010042         72300          6700
0003602012280        108550        -70900
0003602012405        338763        338763
0003602016330          100          -460
0003602023000        199530         -4000
0003602027800        365000        105000
```

```
0003602037700        101258        101258
0003602049035         69900         69900
0003602049090        232100       -287500
0003602050160         28600         18600
0003602056780         14230          8946
0003602058950         50600         38300
0003602062890         86417         86417
0003602063830             0        -10100
0003602064240          9400          9400
0003602072480             0        -30000
0003602076760           700           700
0003602085560           600             0
0003602089310          9150          9150
```

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

1999 through 2003
(with exception of March 2000 and June 2000 – please refer to those specs)

*This document is 3 of 6 documents that cover the historical feed specifications from 1978 to Present.

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THOMSON FINANCIAL
Institutional 13(f) Common Stock Holdings & Transactions
Data Specifications for all files 1999 to 2003

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear here "as filed.")**
History:	Data is available historically **from 1978 to the present quarter-end date plus one month.** (e.g. Q2-2003 files are available in July 2003)
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided.
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	**There are 6 files per record with 34 (total) data items (non-unique).**

File No. 1   Manager Identification Key File   [s.341.out]

1-5	**Manager Number**	An internal identifier of the (money) managing company.	
6-35	**Manager Name**	The corresponding name to the manager number above.	**Primary Keys linking files**
36	**Type Code***	The type of 13F institution	
37-42	**Report Date**	The date of source filing in mmddyy format	
43-47	**Permanent Key**	A legacy identifier (Right-Justified Numeric)	
48-50	**Blank**	Blank for possible future use.	
51-57	**Prior Report Date**	The source filing date for the previous 13F filing in mmddyy format.	
58-86	**Country**	The owner/manager's country of origin.	

***** Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others.

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File   [s.342.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	**Stock Name**	The name of the issue/security/stock <u>owned</u>.
37-40	**Ticker Symbol**	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-44	**End Of Quarter Shares Outstanding**	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
45-50	**End Of Quarter Price**	The quarter-end closing stock price of the stock in $$$$.¢¢ format.
51-56	**Extended Ticker Symbol**	A longer ticker symbol used to further identify a stock (e.g. an ADR issue of a stock). Note: This data item does not always exist.
57	**Exchange Code (a)**	A single-letter code representing the stock exchange an the issue/security/stock is publicly traded. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
58	**Stock Class Code (b)**	A single-letter identifier representing the class of the stock owned.
59-62	**Stock Class Description**	A short description of the stock class code such as COM, CMA, AR, etc. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
63-70	**Shares outstanding**	The number of shares outstanding at the time of filing represented in <u>thousands</u>.
71-75	**Industry code (c)**	A 3-digit code identifying the industry sector of a stock. A TABLE OF CODES IS PROVIDED IN THIS SPEC.

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File   [s.343.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution
15-25	**Shares Held At Quarter End**	The number of outstanding shares held by the owner/filer at the end of the quarter.
26-36	**Sole Voting Authority Shares Held**	The number of shares held for which the filer exercises sole voting authority.
37-47	**Shared Voting Authority Shares Held**	The number of shares held for which the filer shares voting authority.
48-58	**No Voting Authority Shares Held**	The number of shares held for which the filer has <u>no</u> voting authority.

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File   [s344.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution.
15-25	**Net Change In Shares Since Prior Report**	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 5   Transactions File   [s345.out]

Lists the number of lines contained within files 1 – 5.

File No. 6   Transactions File   [s346.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14-24	**Shares held**	Shares held as of quarter end
25-35	**Net Change In**	
	Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

(a) Exchange Codes:

A   NYSE Equities & Options
B   AMEX Equities & Options
C   PBW & Boston Exchange E&O
D   Midwest Stock Exchange
E   Pacific Coast Exchange E&O
F   NASDAQ Small Cap Stocks
G   Market Indicators
I   OTC Mutual Funds
J   Toronto Stock Exchange
K   Montreal Stock Exchange
L   NYSE Bonds
M   AMEX Bonds
N   OTC Corporate Bonds
O   Canadian OTC Bonds
P   U.S. Govt Bonds
S   Municipal Bonds
U   OTC Utility Preferred Stocks
V   NASDAQ National Market System
W   Vancouver Stock Exchange
X   OTC Equipment Trust Bonds
Y   U.S. Savings Bonds
Z   Alberta Stock Exchange

(b) Stock Class Codes:

0   Common, Ordinary, etc.
1   Cvt or NonCvt Preferred Stock
2   Warrant or Right
7   Mutual Fund
+   Foreign

(c) Industry Type Codes:

0	Unknown
101	Aerospace
102	Agriculture
103	Airlines
104	Automobile
105	Banks & Savings Institutions
106	Beverages
107	Chemicals
108	Computer Hw Sw & Svcs
109	Construction & Engineering
110	Consumer Services
111	Electrical & Electronics
100	Miscellaneous
112	Energy and Fuels
113	Entertainment
114	Financial Services
115	Food & Restaurants
116	Healthcare
117	House wares & Household Items
118	Industrial Manufacturing
119	Insurance
120	Investment Services
121	Leisure Travel & Lodging
122	Machinery & Equipment
123	Media
124	Metals & Mining
125	Packaging
126	Paper & Forest Products
127	Publishing & Printing
128	Real Estate
129	Retail & Consumer Goods
130	Semiconductors
131	Telecommunications
132	Textiles & Apparel
133	Tobacco
134	Transportation
135	Utilities: Water-Electric-Gas
136	Waste & Environmental Mgmt

Sample of Data Feed Contents

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
110A R ASSET MANAGEMENT, INC.      5123101        093001UNITED STATES
115033 ASSET MANAGEMENT, LLC        5123101        093001UNITED STATES
120AAL CAPITAL MANAGEMENT CORP.     5123101 2042   093001UNITED STATES
125ACF INDUSTRIES                   5123101 2100   093001UNITED STATES
127AEW CAPITAL MANAGEMENT, L.P.     5123101 2386   093001UNITED STATES
128AEW/LP                           5123101        093001UNITED STATES
135DKR CAPITAL                      5123101 2189   093001UNITED STATES
140AIM MANAGEMENT GROUP,INC.        5123101  965   093001UNITED STATES
145ABANCO INVESTMENT LIMITED        4063001        033101UNITED STATES
155SEB ASSET MGMT AMERICA INC.      5123101 2239   093001UNITED STATES
160LEND LEASE ROSEN REAL ESTATE S5123101 2008     093001UNITED STATES
165HENDERSON FUND MANAGEMENT PLC 3093001          063001UNITED KINGDOM
```

This space here is purposeful and they represent locations 1 and 2 (of 5).

And the second file (s342.out)…

```
00036020AAON INC                     AAON    9  2710AAON   V0COM      8780  122
00036110AAR CORP                     AIR    27  1077AIR    A0COM     26860  134
00037520ABB LTD                      ABB  1200   780ABB    A+AR    1200009  100
00040010ABC BANCORP                  ABCB   10  1460ABCB   V0COM      9999  105
00057310ABC DISPENSING TECHOLOGIES IABCC   23     0ABCC   F0COM     23270  122
00075210ABC-NACO INC                 ABCQ   20     0ABCQ   F0COM     19872  122
00078810A B WATLEY GROUP INC         ABWG   13   110ABWG   V0COM     12887  120
00078H55ABN AMRO FDS                 IPMX          IPMXX  I7COM             120
00078H77ABN AMRO FDS                 RIEQ       1202RIEQX  I7COM             120
00078H84ABN AMRO FDS                 RVAL       1033RVALX  I7               120
00086810ACNB CORP                    ACNB    5  1825ACNB   F0COM      5436  105
00086T10A C MOORE ARTS & CRAFTS INC ACMR    9  3815ACMR   V0COM      9304  116
00087B10ACR GROUP INC                ACRG   11    46ACRG   F0COM     10681  122
00088110A CONSULTING TEAM INC        TACX    7    60TACX   V0COM      7117  108
00088610A D C TELECOMMUNICATIONS     ADCT  794   407ADCT   V0COM    794212  131
00088E10ACTV INC                     IATV   56   151IATV   V0COM     55880  131
00088N10ADB SYS INTL INC             ADBI   39    28ADBI   V0COM     38598  108
00088U10A D A M INC                  ADAM    7   364ADAM   V0COM      6588  108
00089C10ADE CORP MASS                ADEX   14  1527ADEX   V0COM     13652  122
00091210ACM INCOME FUND INC          ACG   224   771ACG    A7COM    224217  120
00091810ACM GOVT OPPORTUNITY FD INC AOF    13   859AOF    A7COM     12555  120
00091910ACM MANAGED INCOME FD INC    AMF    24   465AMF    A7COM     24197  120
```

And the third (s343.out)…

```
00036020  4854     10575          0         0         0
00036020 58505    248500     248500         0         0
00036020 78001       26         26         0         0
00036020 79004    53118      53118         0         0
00036020100425   108450     108450         0         0
00036020122805   143275     143275         0         0
00036020124055   508068     508068         0         0
00036020129505    80100          0         0         0
00036020230005   299295     299295         0         0
00036020278005   574500       4600         0    569900
00036020377001   164919     164919         0         0
```

```
00036020490355        129850        124250             0          5600
00036020490905        330750        330750             0             0
00036020501004        169220        169220             0             0
00036020501605           450           450             0             0
00036020567805          3148             0             0             0
00036020589504         75901         75901             0             0
00036020628901         85875         85875             0             0
00036020642405         14200         14200             0             0
00036020704703         14200         14200             0             0
00036020767605          1050          1050             0             0
00036020790505          2300             0          2300             0
00036020893101         33350             0         13600         19750
```

And the fourth (s344.out)…

```
00036020   4854        -1725
00036020 58505         56200
00036020 78001            26
00036020 79004        -28476
00036020 93605        -65475
00036020122805        -19550
00036020124055           -77
00036020129505         80100
00036020163305          -150
00036020278005         27000
00036020377001         13032
00036020490355         25000
00036020490905        -17400
00036020501004        169220
00036020501605        -57000
00036020567805        -18197
00036020589504             1
00036020628901        -43751
00036020642405           100
00036020704703         14200
00036020790505          2300
00036020855605          -900
00036020893101         19625
```

And the fifth (s345.out)…

```
File 1 contains     2064 lines
File 2 contains    12283 lines
File 3 contains   542497 lines
File 4 contains   507597 lines
File 5 contains        5 lines
```

And the sixth (s346.out)…

```
00036020   485          8200             0
00036020 5850        128200        128200
00036020 7900         54396          1000
00036020 9360         43650         43650
0003602010042         72300          6700
0003602012280        108550        -70900
0003602012405        338763        338763
0003602016330           100          -460
0003602023000        199530         -4000
0003602027800        365000        105000
```

```
0003602037700        101258        101258
0003602049035         69900         69900
0003602049090        232100       -287500
0003602050160         28600         18600
0003602056780         14230          8946
0003602058950         50600         38300
0003602062890         86417         86417
0003602063830             0        -10100
0003602064240          9400          9400
0003602072480             0        -30000
0003602076760           700           700
0003602085560           600             0
0003602089310          9150          9150
```

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

March 2000 only (Q1/2000)

*This document is 4 of 6 documents that cover the historical feed
specifications from 1978 to Present.*

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THOMSON FINANCIAL
Institutional 13(f) Common Stock Holdings & Transactions
Data Specifications for 3/2000 ONLY

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear "as filed.")**
History:	**This specification is for the 3/2000 period file only**
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided. **[Note that CD's are no longer available]**
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	**There are 4 files per record with 17 data items (11 unique) This differs from the 13F for 3/2000 where there are 29 (total) data items (23 unique).**

File No. 1   Manager Identification Key File   [s.341.out]

1-5	**Manager Number**	An internal identifier of the (money) managing company.
6-35	**Manager Name**	The corresponding name to the manager number above.
36	**Type Code***	The type of 13F institution
37-42	**Report Date**	The date of source filing in mmddyy format

> **Primary Keys
> linking files**

* Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File   [s.342.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	**Stock Name**	The name of the issue/security/stock <u>owned</u>.
37-40	**Ticker Symbol**	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-44	**End Of Quarter**	
	Shares Outstanding	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
45-50	**End Of Quarter Price**	The quarter-end closing stock price of the stock in $$$$.¢¢ format.

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File   [s.343.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution
15-25	**Shares Held At Quarter End**	The number of outstanding shares held by the owner/filer at the end of the quarter.

SECOND RECORD IN ROW

26-33	**Cusip**
34-38	**Manager Number**
39	**Type Code***
40-50	**Shares Held At Quarter End**

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File   [s344.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution.
15-25	**Net Change In**	
	Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

SECOND RECORD IN ROW

26-33	**Cusip**
34-38	**Manager Number**
39	**Type Code***
40-50	**Net Change In Shares Since Prior Report**

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

.

> **Sample of Data Feed Contents**

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
 110A R ASSET MANAGEMENT, INC.    5033100
 120AAL CAPITAL MANAGEMENT        5033100 2042
 125ACF INDUSTRIES                5033100 2100
 127AEW CAPITAL MGMT INC          4033100 2386
 128AEW/LP                        5033100
 135AIG INTL MANAGEMENT CO, INC.  5063099 2189
 140AIM MANAGEMENT GROUP,INC.     5033100  965
 150AFA FINANCIAL INC.            5033100  208
 155SEB ASSET MGMT AMERICA INC    4033100 2239
 160LEND LEASE ERE ROSEN REAL ESTA5033100 2008
 165HENDERSON FUND MANAGEMENT PLC 3123199
 180MARXE A & GREENHOUSE DM       4033100 2027
 185ASB CAPITAL MANAGEMENT, INC.  5033100 2619
 190AT&T INVESTMENT MGMT CORP.    5033100 2117
 195ABERDEEN ASSET MANAGEMENT PLC 4033100
 200ABERDEEN AMERICA, INC.        5033100 1558
 205ABNER, HERRMAN & BROCK INC.   5033100 2329
 210ACADEMY CAPITAL MGMT, INC.    5093099 2223
 220ACADIAN ASSET MANAGEMENT, INC.5033100 2230
 221ACCEL INTERNET/STRAT TECH ASSO4033100
 222ACCEL IV LP                   5033100
 223ACCEL V ASSOCIATES LLC        5033100
 230ACADIA PARTNERS, L.P.         5123199 2576
```

This space here is purposeful and represents locations 1 and 2 (of the 5 spcified for the data item, "Manager Number")

And the second file (s342.out)…

```
00035730AAL MUT FDS                 AAMB      1081
00036020AAON INC                    AAON   6  1756
00036110AAR CORP                    AIR   27  1669
00036J10AARP GROWTH FDS             AGIF      5061
00036J20AARP GROWTH FDS             ACGF      7471
00036M10AARP INCOME FDS             AGNM      1443
00036Q10AARP TAX FREE INCOME TR     AHTX
00036Q20AARP TAX FREE INCOME TR     AITG      1759
00037510ABB LTD                     ABLJ     11487
00040010ABC BANCORP                 ABCB   9  1006
00057310ABC DISPENSING TECHOLOGIES IABCC  19    47
00075210ABC-NACO INC                ABCR   19   875
00078810A B WATLEY GROUP INC        ABWG    8  2600
00078H10ABN AMRO FDS                RTFT       959
00078H50ABN AMRO FDS                RTET      1004
00078H64ABN AMRO FDS                RLAE      1467
00078H68ABN AMRO FDS                RGTX
00078H70ABN AMRO FDS                RGFI       941
00078H73ABN AMRO FDS                RATI      1063
00078H77ABN AMRO FDS                RIEQ      2464
00078H79ABN AMRO FDS                RSMC      1591
00078H82ABN AMRO FDS                RGTC      1873
00078H84ABN AMRO FDS                RVAL      1258
```

And the third (s343.out)…

```
00035730542805          1140500036020   4854        10500
00036020 79004          8519600036020100105          9700
00036020100425          5090000036020122805         76400
00036020230005         1959400036020256102           4300
00036020377001         1104910036020490905         864600
00036020501005          4870000036020501605          9700
00036020855605           300000036110   1205        37100
00036110   5005            60000036110   6505        17700
00036110   9805           3960000036110 23402         7250
00036110 24702            480000036110 38801          4995
00036110 47195          6493000036110 58505           3448
00036110 59551            305000036110 68901         19301
00036110 78001         2413940036110 79004         544049
00036110 94005           6990700036110100105         51603
00036110100455          1759000036110118005         28200
00036110121205          1004790036110128005          6022
00036110129505           433000036110129705           723
00036110150984          2500000036110153451        1019335
00036110182653         1803750036110187405          36250
00036110190004           8179000036110192001         23420
00036110219251             150000036110223005         36800
00036110228605          1680000036110230005        1940400
```

And the fourth (s344.out)…

```
00036020 79004              30000036020 82085       −1095090
00036020100425          5090000036020122805         76400
00036020230005            840000036020256102         3500
00036020377001          3250100036020490905         864600
00036020501005           4870000036020849005        −20495
00036020855605          −120000036110   1205        37100
00036110   5005           −60000036110   6505         1300
00036110   9805         −1090000036110 24702          −800
00036110 38801            499500036110 47195        649300
00036110 58105          −1800000036110 58505        −42040
00036110 59551          −1325000036110 68901          351
00036110 78001           3262500036110 79004        −29980
00036110 90505           −81000036110 94005         34775
00036110100455          1759000036110108405        −13060
00036110118005           530000036110129505         43300
00036110150984          2500000036110153451        −39875
00036110182653           2760000036110187405          2900
00036110190004          −50000036110214355        −13100
00036110219251             150000036110222325        −56200
00036110223005          −1790000036110228605        −4300
00036110229055         −4514000036110230005          5900
00036110231005           −620000036110236001          −400
```

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

June 2000 only (Q2/2000)

<div style="border:1px solid">

*This document is 5 of 6 documents that cover the historical feed specifications from 1978 to Present.

</div>

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Institutional 13(f) Common Stock Holdings & Transactions
June 2000 (Q2/2000)

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear "as filed.")**
History:	Data is available historically **from 1978 to the present quarter-end date plus one month.** (e.g. Q2-2003 files are available in July 2003)
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided.
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	**There are 4 files per record with 29 (total) data items (23 unique). This differs from the 13F for 3/2000 where there are 17 data items (11 unique).**

File No. 1   Manager Identification Key File   [s.341.out]

1-5	Manager Number	An internal identifier of the (money) managing company.	
6-35	Manager Name	The corresponding name to the manager number above.	Primary Keys linking files
36	Type Code*	The type of 13F institution	
37-42	Report Date	The date of source filing in mmddyy format	
43-47	Permanent Key	A legacy identifier (Right-Justified Numeric)	
48-50	Blank	Blank for possible future use.	
51-57	Prior Report Date	The source filing date for the previous 13F filing in mmddyy format.	
58-86	Country	The owner/manager's country of origin.	

* Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others.

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File   [s.342.out]

1-8	Cusip	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	Stock Name	The name of the issue/security/stock <u>owned</u>.
37-40	Ticker Symbol	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-44	End Of Quarter Shares Outstanding	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
45-50	End Of Quarter Price	The quarter-end closing stock price of the stock in $$$$.¢¢ format.
51-56	Extended Ticker Symbol	A longer ticker symbol used to further identify a stock (e.g. an ADR issue of a stock). Note: This data item does not always exist.
57	Exchange Code (a)	A single-letter code representing the stock exchange an the issue/security/stock is publicly traded. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
58	Stock Class Code (b)	A single-letter identifier representing the class of the stock owned. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
63-70	Shares outstanding	The number of shares outstanding at the time of filing represented in <u>thousands</u>.
71-75	Industry code (c)	A 3-digit code identifying the industry sector of a stock. A TABLE OF CODES IS PROVIDED IN THIS SPEC.

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File   [s.343.out]

1-8	Cusip	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	Manager Number	An internal identifier of the managing company
14	Type Code*	The type of 13F institution
15-25	Shares Held At Quarter End	The number of outstanding shares held by the owner/filer at the end of the quarter.
26-36	Sole Voting Authority Shares Held	The number of shares held for which the filer exercises sole voting authority.
37-47	Shared Voting Authority Shares Held	The number of shares held for which the filer shares voting authority.
48-58	No Voting Authority Shares Held	The number of shares held for which the filer has <u>no</u> voting authority.

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File   [s344.out]

1-8	Cusip	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	Manager Number	An internal identifier of the managing company
14	Type Code*	The type of 13F institution.
15-25	Net Change In Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 5   Transactions File   [s345.out]

Lists the number of lines contained within files 1 – 5.

File No. 6   Transactions File   [s346.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14-24	Shares held	Shares held as of quarter end
25-35	**Net Change In**	
	Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report
		(See prior report date for reference date).

(a) Exchange Codes:

A   NYSE Equities & Options
B   AMEX Equities & Options
C   PBW & Boston Exchange E&O
D   Midwest Stock Exchange
E   Pacific Coast Exchange E&O
F   NASDAQ Small Cap Stocks
G   Market Indicators
I   OTC Mutual Funds
J   Toronto Stock Exchange
K   Montreal Stock Exchange
L   NYSE Bonds
M   AMEX Bonds
N   OTC Corporate Bonds
O   Canadian OTC Bonds
P   U.S. Govt Bonds
S   Municipal Bonds
U   OTC Utility Preferred Stocks
V   NASDAQ National Market System
W   Vancouver Stock Exchange
X   OTC Equipment Trust Bonds
Y   U.S. Savings Bonds
Z   Alberta Stock Exchange

(b) Stock Class Codes:

0   Common, Ordinary, etc.
1   Cvt or NonCvt Preferred Stock
2   Warrant or Right
7   Mutual Fund
+   Foreign

(c) Industry Type Codes:

0	Unknown
101	Aerospace
102	Agriculture
103	Airlines
104	Automobile
105	Banks & Savings Institutions
106	Beverages
107	Chemicals
108	Computer Hw Sw & Svcs
109	Construction & Engineering
110	Consumer Services
111	Electrical & Electronics
100	Miscellaneous
112	Energy and Fuels
113	Entertainment
114	Financial Services
115	Food & Restaurants
116	Healthcare
117	House wares & Household Items
118	Industrial Manufacturing
119	Insurance
120	Investment Services
121	Leisure Travel & Lodging
122	Machinery & Equipment
123	Media
124	Metals & Mining
125	Packaging
126	Paper & Forest Products
127	Publishing & Printing
128	Real Estate
129	Retail & Consumer Goods
130	Semiconductors
131	Telecommunications
132	Textiles & Apparel
133	Tobacco
134	Transportation
135	Utilities: Water-Electric-Gas
136	Waste & Environmental Mgmt

Sample of Data Feed Contents

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
110A R ASSET MANAGEMENT, INC.      5123101        093001UNITED STATES
115033 ASSET MANAGEMENT, LLC       5123101        093001UNITED STATES
120AAL CAPITAL MANAGEMENT CORP.    5123101 2042   093001UNITED STATES
125ACF INDUSTRIES                  5123101 2100   093001UNITED STATES
127AEW CAPITAL MANAGEMENT, L.P.    5123101 2386   093001UNITED STATES
128AEW/LP                          5123101        093001UNITED STATES
135DKR CAPITAL                     5123101 2189   093001UNITED STATES
140AIM MANAGEMENT GROUP,INC.       5123101  965   093001UNITED STATES
145ABANCO INVESTMENT LIMITED       4063001        033101UNITED STATES
155SEB ASSET MGMT AMERICA INC.     5123101 2239   093001UNITED STATES
160LEND LEASE ROSEN REAL ESTATE S5123101 2008   093001UNITED STATES
165HENDERSON FUND MANAGEMENT PLC 3093001        063001UNITED KINGDOM
```

This space here is purposeful and they represent locations 1 and 2 (of 5).

And the second file (s342.out)…

```
00036020AAON INC                      AAON    9  2710AAON  V0COM     8780 122
00036110AAR CORP                      AIR    27  1077AIR   A0COM    26860 134
00037520ABB LTD                       ABB 1200   780ABB   A+AR   1200009 100
00040010ABC BANCORP                   ABCB   10  1460ABCB  V0COM     9999 105
00057310ABC DISPENSING TECHOLOGIES IABCC   23     0ABCC  F0COM    23270 122
00075210ABC-NACO INC                  ABCQ   20     0ABCQ  F0COM    19872 122
00078810A B WATLEY GROUP INC          ABWG   13   110ABWG  V0COM    12887 120
00078H55ABN AMRO FDS                  IPMX         IPMXX I7COM          120
00078H77ABN AMRO FDS                  RIEQ      1202RIEQX I7COM          120
00078H84ABN AMRO FDS                  RVAL      1033RVALX I7             120
00086810ACNB CORP                     ACNB    5  1825ACNB  F0COM     5436 105
00086T10A C MOORE ARTS & CRAFTS INC ACMR    9  3815ACMR  V0COM     9304 116
00087B10ACR GROUP INC                 ACRG   11    46ACRG  F0COM    10681 122
00088110A CONSULTING TEAM INC         TACX    7    60TACX  V0COM     7117 108
00088610A D C TELECOMMUNICATIONS      ADCT  794   407ADCT  V0COM   794212 131
00088E10ACTV INC                      IATV   56   151IATV  V0COM    55880 131
00088N10ADB SYS INTL INC              ADBI   39    28ADBI  V0COM    38598 108
00088U10A D A M INC                   ADAM    7   364ADAM  V0COM     6588 108
00089C10ADE CORP MASS                 ADEX   14  1527ADEX  V0COM    13652 122
00091210ACM INCOME FUND INC           ACG   224   771ACG   A7COM   224217 120
00091810ACM GOVT OPPORTUNITY FD INC AOF    13   859AOF   A7COM    12555 120
00091910ACM MANAGED INCOME FD INC     AMF    24   465AMF   A7COM    24197 120
```

And the third (s343.out)…

```
00036020  4854      10575         0        0         0
00036020 58505     248500    248500        0         0
00036020 78001        26        26        0         0
00036020 79004     53118     53118        0         0
00036020100425    108450    108450        0         0
00036020122805    143275    143275        0         0
00036020124055    508068    508068        0         0
00036020129505     80100         0        0         0
00036020230005    299295    299295        0         0
00036020278005    574500      4600        0    569900
00036020377001    164919    164919        0         0
```

```
00036020490355       129850      124250           0        5600
00036020490905       330750      330750           0           0
00036020501004       169220      169220           0           0
00036020501605          450         450           0           0
00036020567805         3148           0           0           0
00036020589504        75901       75901           0           0
00036020628901        85875       85875           0           0
00036020642405        14200       14200           0           0
00036020704703        14200       14200           0           0
00036020767605         1050        1050           0           0
00036020790505         2300           0        2300           0
00036020893101        33350           0       13600       19750
```

And the fourth (s344.out)…

```
00036020   4854       -1725
00036020 58505       56200
00036020 78001          26
00036020 79004      -28476
00036020 93605      -65475
00036020122805      -19550
00036020124055         -77
00036020129505       80100
00036020163305        -150
00036020278005       27000
00036020377001       13032
00036020490355       25000
00036020490905      -17400
00036020501004      169220
00036020501605      -57000
00036020567805      -18197
00036020589504           1
00036020628901      -43751
00036020642405         100
00036020704703       14200
00036020790505        2300
00036020855605        -900
00036020893101       19625
```

And the fifth (s345.out)…

```
File 1 contains     2064 lines
File 2 contains    12283 lines
File 3 contains   542497 lines
File 4 contains   507597 lines
File 5 contains        5 lines
```

And the sixth (s346.out)…

```
00036020   485        8200           0
00036020 5850       128200      128200
00036020 7900        54396        1000
00036020 9360        43650       43650
0003602010042        72300        6700
0003602012280       108550      -70900
0003602012405       338763      338763
0003602016330          100        -460
0003602023000       199530       -4000
0003602027800       365000      105000
```

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```
0003602037700        101258        101258
0003602049035         69900         69900
0003602049090        232100       -287500
0003602050160         28600         18600
0003602056780         14230          8946
0003602058950         50600         38300
0003602062890         86417         86417
0003602063830             0        -10100
0003602064240          9400          9400
0003602072480             0        -30000
0003602076760           700           700
0003602085560           600             0
0003602089310          9150          9150
```

THOMSON FINANCIAL

Institutional 13F
Common Stock Holdings & Transactions
Data Feed Specification

Data Specification for all files dated:

2004 to the Present

*This document is 6 of 6 documents that cover the historical feed specifications from 1978 to Present.

Thomson Financial ● 195 Broadway ● New York, NY 10007 USA

THOMSON FINANCIAL
Institutional 13(f) Common Stock Holdings & Transactions
Data Specifications for all files 2004 to Present

Content:	**Common stock holdings and transactions of institutional money managers where holdings of the managing company/filer's level are as per the 13F filing itself. (Holding positions appear "as filed.")**
History:	Data is available historically **from 1978 to the present quarter-end date plus one month.** (e.g. Q2-2003 files are available in July 2003)
Security Coverage:	All NYSE, ASE, NASDAQ, Toronto and Montreal common stocks.
Owner/Portfolio Coverage:	All managers filing 13(f) reports with the SEC.
Update Frequency:	Quarterly, monthly, or weekly
Delivery Method:	4 files are posted on FTP site for download. Instructions are provided.
File Type:	Fixed-Width ASCII
Number of Files & Data Items :	**There are 6 files per record with 34 (total) data items (non-unique).**

File No. 1   Manager Identification Key File   [s.341.out]

1-5	**Manager Number**	An internal identifier of the (money) managing company.
6-35	**Manager Name**	The corresponding name to the manager number above.
36	**Type Code***	The type of 13F institution
37-42	**Report Date**	The date of source filing in mmddyy format
43-47	**Permanent Key**	A legacy identifier (Right-Justified Numeric)
48-50	**Blank**	Blank for possible future use.
51-56	**Prior Report Date**	The source filing date for the previous 13F filing in mmddyy format.
57-86	**Country**	The owner/manager's country of origin.

> **Primary Keys linking files**

* Denotes the type of institution: 1=bank, 2=insurance company, 3=investment companies and their managers, 4=independent investment advisor, 5=all others.

Note: Records are blocked 20 logicals per physical. Logical records are in ascending sequence of manager number (which results in alphabetical sequence by name).

File No. 2   Stock Identification Key File   [s.342.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-36	**Stock Name**	The name of the issue/security/stock <u>owned</u>.
37-40	**Ticker Symbol**	The ticker symbol of the issue/security/stock from the exchange where stock is listed.
41-46	**End Of Quarter Shares Outstanding**	The number non-diluted shares outstanding at quarter-end <u>in millions.</u>
47-52	**End Of Quarter Price**	The quarter-end closing stock price of the stock in $$$$.¢¢ format.
53-58	**Extended Ticker Symbol**	A longer ticker symbol used to further identify a stock (e.g. an ADR issue of a stock). Note: This data item does not always exist.
59	**Exchange Code (a)**	A single-letter code representing the stock exchange an the issue/security/stock is publicly traded. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
60	**Stock Class Code (b)**	A single-letter identifier representing the class of the stock owned.
61-63	**Stock Class Description**	A short description of the stock class code such as COM, CMA, AR, etc. A TABLE OF CODES IS PROVIDED IN THIS SPEC.
64-72	**Shares outstanding**	The number of shares outstanding at the time of filing represented in <u>thousands</u>.
73-77	**Industry code (c)**	A 3-digit code identifying the industry sector of a stock. A TABLE OF CODES IS PROVIDED IN THIS SPEC.

Records are blocked 20 logicals per physical. Logical records are in ascending sequence of CUSIP (which results in alphabetic sequence by stock name.)

File No.3   Portfolio Holdings File   [s.343.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution
15-25	**Shares Held At Quarter End**	The number of outstanding shares held by the owner/filer at the end of the quarter.
26-36	**Sole Voting Authority Shares Held**	The number of shares held for which the filer exercises sole voting authority.
37-47	**Shared Voting Authority Shares Held**	The number of shares held for which the filer shares voting authority.
48-58	**No Voting Authority Shares Held**	The number of shares held for which the filer has <u>no</u> voting authority.

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 4   Transactions File   [s344.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14	**Type Code***	The type of 13F institution.
15-25	**Net Change In Shares Since Prior Report**	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

Records are blocked 40 logicals per physical. Logical records are in ascending sequence of characters 1 through 13.

File No. 5   Transactions File [s345.out]

Lists the number of lines contained within files 1 – 5.

File No. 6   Transactions File [s346.out]

1-8	**Cusip**	The 8 digit CUSIP of the issue/security/stock <u>owned</u>.
9-13	**Manager Number**	An internal identifier of the managing company
14-24	**Shares held**	Shares held as of quarter end
25-35	**Net Change In**	
	Shares Since Prior Report	The net of increase and/or decrease in the number of shares held since prior report (See prior report date for reference date).

(a) Exchange Codes:

A   NYSE Equities & Options
B   AMEX Equities & Options
C   PBW & Boston Exchange E&O
D   Midwest Stock Exchange
E   Pacific Coast Exchange E&O
F   NASDAQ Small Cap Stocks
G   Market Indicators
I   OTC Mutual Funds
J   Toronto Stock Exchange
K   Montreal Stock Exchange
L   NYSE Bonds
M   AMEX Bonds
N   OTC Corporate Bonds
O   Canadian OTC Bonds
P   U.S. Govt Bonds
S   Municipal Bonds
U   OTC Utility Preferred Stocks
V   NASDAQ National Market System
W   Vancouver Stock Exchange
X   OTC Equipment Trust Bonds
Y   U.S. Savings Bonds
Z   Alberta Stock Exchange

(b) Stock Class Codes:

0   Common, Ordinary, etc.
1   Cvt or NonCvt Preferred Stock
2   Warrant or Right
7   Mutual Fund
+   Foreign

(c) Industry Type Codes:

0   Unknown
101   Aerospace
102   Agriculture
103   Airlines
104   Automobile
105   Banks & Savings Institutions
106   Beverages
107   Chemicals
108   Computer Hw Sw & Svcs
109   Construction & Engineering
110   Consumer Services
111   Electrical & Electronics
100   Miscellaneous
112   Energy and Fuels
113   Entertainment
114   Financial Services
115   Food & Restaurants
116   Healthcare
117   House wares & Household Items
118   Industrial Manufacturing
119   Insurance
120   Investment Services
121   Leisure Travel & Lodging
122   Machinery & Equipment
123   Media
124   Metals & Mining
125   Packaging
126   Paper & Forest Products
127   Publishing & Printing
128   Real Estate
129   Retail & Consumer Goods
130   Semiconductors
131   Telecommunications
132   Textiles & Apparel
133   Tobacco
134   Transportation
135   Utilities: Water-Electric-Gas
136   Waste & Environmental Mgmt

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Sample of Data Feed Contents

Below is an excerpt of <u>several rows from the first (s341.out) of the four 13F files</u> taken from the typical feed file:

```
110A R ASSET MANAGEMENT, INC.     5123101          093001UNITED STATES
115033 ASSET MANAGEMENT, LLC      5123101          093001UNITED STATES
120AAL CAPITAL MANAGEMENT CORP.   5123101 2042     093001UNITED STATES
125ACF INDUSTRIES                 5123101 2100     093001UNITED STATES
127AEW CAPITAL MANAGEMENT, L.P.   5123101 2386     093001UNITED STATES
128AEW/LP                         5123101          093001UNITED STATES
135DKR CAPITAL                    5123101 2189     093001UNITED STATES
140AIM MANAGEMENT GROUP,INC.      5123101  965     093001UNITED STATES
145ABANCO INVESTMENT LIMITED      4063001          033101UNITED STATES
155SEB ASSET MGMT AMERICA INC.    5123101 2239     093001UNITED STATES
160LEND LEASE ROSEN REAL ESTATE S5123101 2008     093001UNITED STATES
165HENDERSON FUND MANAGEMENT PLC 3093001          063001UNITED KINGDOM
```

This space here is purposeful and they represent locations 1 and 2 (of 5).

And the second file (s342.out)…

```
00036020AAON INC                      AAON    9  2710AAON  V0COM      8780  122
00036110AAR CORP                      AIR    27  1077AIR   A0COM     26860  134
00037520ABB LTD                       ABB  1200   780ABB   A+AR   1200009  100
00040010ABC BANCORP                   ABCB   10  1460ABCB  V0COM      9999  105
00057310ABC DISPENSING TECHOLOGIES IABCC    23     0ABCC  F0COM     23270  122
00075210ABC-NACO INC                  ABCQ   20     0ABCQ  F0COM     19872  122
00078810A B WATLEY GROUP INC          ABWG   13   110ABWG  V0COM     12887  120
00078H55ABN AMRO FDS                  IPMX          IPMXX  I7COM            120
00078H77ABN AMRO FDS                  RIEQ      1202RIEQX  I7COM            120
00078H84ABN AMRO FDS                  RVAL      1033RVALX  I7               120
00086810ACNB CORP                     ACNB    5  1825ACNB  F0COM      5436  105
00086T10A C MOORE ARTS & CRAFTS INC ACMR      9  3815ACMR  V0COM      9304  116
00087B10ACR GROUP INC                 ACRG   11    46ACRG  F0COM     10681  122
00088110A CONSULTING TEAM INC         TACX    7    60TACX  V0COM      7117  108
00088610A D C TELECOMMUNICATIONS      ADCT  794   407ADCT  V0COM    794212  131
00088E10ACTV INC                      IATV   56   151IATV  V0COM     55880  131
00088N10ADB SYS INTL INC              ADBI   39    28ADBI  V0COM     38598  108
00088U10A D A M INC                   ADAM    7   364ADAM  V0COM      6588  108
00089C10ADE CORP MASS                 ADEX   14  1527ADEX  V0COM     13652  122
00091210ACM INCOME FUND INC           ACG   224   771ACG   A7COM    224217  120
00091810ACM GOVT OPPORTUNITY FD INC AOF      13   859AOF   A7COM     12555  120
00091910ACM MANAGED INCOME FD INC     AMF    24   465AMF   A7COM     24197  120
```

And the third (s343.out)…

```
00036020  4854     10575        0        0        0
00036020 58505    248500   248500        0        0
00036020 78001       26       26        0        0
00036020 79004    53118    53118        0        0
00036020100425   108450   108450        0        0
00036020122805   143275   143275        0        0
00036020124055   508068   508068        0        0
00036020129505    80100        0        0        0
00036020230005   299295   299295        0        0
00036020278005   574500     4600        0   569900
00036020377001   164919   164919        0        0
```

```
00036020490355      129850      124250           0        5600
00036020490905      330750      330750           0           0
00036020501004      169220      169220           0           0
00036020501605         450         450           0           0
00036020567805        3148           0           0           0
00036020589504       75901       75901           0           0
00036020628901       85875       85875           0           0
00036020642405       14200       14200           0           0
00036020704703       14200       14200           0           0
00036020767605        1050        1050           0           0
00036020790505        2300           0        2300           0
00036020893101       33350           0       13600       19750
```

And the fourth (s344.out)…

```
00036020   4854       -1725
00036020 58505       56200
00036020 78001          26
00036020 79004      -28476
00036020 93605      -65475
00036020122805      -19550
00036020124055         -77
00036020129505       80100
00036020163305        -150
00036020278005       27000
00036020377001       13032
00036020490355       25000
00036020490905      -17400
00036020501004      169220
00036020501605      -57000
00036020567805      -18197
00036020589504           1
00036020628901      -43751
00036020642405         100
00036020704703       14200
00036020790505        2300
00036020855605        -900
```

And the fifth (s345.out)…

```
File 1 contains     2064 lines
File 2 contains    12283 lines
File 3 contains   542497 lines
File 4 contains   507597 lines
File 5 contains        5 lines
```

And the sixth (s346.out)…

```
00036020   485        8200           0
00036020  5850      128200      128200
00036020  7900       54396        1000
00036020  9360       43650       43650
0003602010042        72300        6700
0003602012280       108550      -70900
0003602012405       338763      338763
0003602016330          100        -460
0003602023000       199530       -4000
0003602027800       365000      105000
0003602037700       101258      101258
0003602049035        69900       69900
0003602049090       232100     -287500
0003602050160        28600       18600
```

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0003602056780   14230   8946