

## ***THE YEAR 1999 IN REVIEW***

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**2000 FACT BOOK**

**TOKYO STOCK EXCHANGE**

## 1999 TSE Statistical Highlights

### Stock Market

Listed Companies	[Domestic]-----	1,892
	[Foreign]-----	43
Newly Listed Companies	[Domestic]-----	75
Market Value (¥ mils.)	[Domestic]-----	456,840,848
	[Foreign]-----	
Trading Value (¥ mils.)	[Domestic]-----	185,541,796
	[Foreign]-----	82,304
Trading Volume (thous. shs.)	[Domestic]-----	155,163,405
	[Foreign]-----	19,861

### Bond Market

Listed Issues	[Domestic]-----	822
	[Foreign]-----	18
Market Value (¥ mils.)	-----	270,178,223
Trading Value (¥ mils.)	-----	5,599,717
Trading Volume (¥ mils.) (Par Value)	-----	5,078,377

### Derivative Markets

Trading Volume (¥ bil.)	[5-Year Japanese Government Bond Futures]-----	11,197
	[10-Year Japanese Government Bond Futures]-----	972,785
	[20-Year Japanese Government Bond Futures]-----	—
	(contracts) [Options on Japanese Government Bond Futures]-----	1,137,319
	[TOPIX Futures]-----	3,157,441
	[TOPIX Options]-----	2,030
	[Equity Options]-----	212,447
	Open Interest (¥ bil.)	[5-Year Japanese Government Bond Futures]-----
[10-Year Japanese Government Bond Futures]-----		18,356
[20-Year Japanese Government Bond Futures]-----		—
(contracts) [Options on Japanese Government Bond Futures]-----		24,740
[TOPIX Futures]-----		113,580
[TOPIX Options]-----		1,559
	[Equity Options]-----	24,215

	High	1,722.20	Dec. 30
TOPIX (Tokyo Stock Price Index)	Low	1,048.33	Jan. 5
	Year-end	1,722.20	(+635.21)

\* Market value, Trading value and Trading volume of Bond Market exclude foreign currency-denominated foreign bonds and foreign convertible bonds.

## Stock Market Activity

TOPIX (Tokyo Stock Price Index) showed a steady rise throughout 1999 and ended the year at a yearly high.

TOPIX (closing price) started at 1064.92 on January 4, 1999 and dropped to 1048.33 on January 5, which was a yearly low. Afterwards, it generally showed a continuous rise, recording sharp rises three times from March, June and mid-October.

TOPIX closed the year at 1722.20, up 635.21 (58.4%) compared to the year-end figure for 1998.

## Major Developments

### Complete Liberalization of Brokerage Commissions

TSE completely liberalized brokerage commissions of listed products on October 1.

### Abolition of Transaction Tax

The government abolished the Securities Transaction Tax and the Exchange Tax on April 1.

### Establishment of an Emerging Companies Stock Market Section

On November 11, TSE launched a new market section called "Mothers" (Market for the High-growth and Emerging Stocks) and trading started from December 22.

### Introduction of New Index

TSE and Standard & Poor's jointly developed "S&P/TOPIX 150", a new equity index for the Japanese securities market, and released it on June 21.

### Abolishment of Membership Quota

The quota restricting regular membership to 124 was abolished on October 1.

### Review of Trading Halt System

The period of trading halts was reduced by 30 minutes as of December 1. A trading halt is imposed when a material fact occurs to a listed company, and is removed 60 minutes after the company makes adequate disclosure.

### Enhancement of Timely Disclosure System

As of September 1, and to ensure fair, accurate and appropriate disclosure, TSE introduced regulation, to replace the current guidelines, compelling listed companies to disclose material facts on a timely basis.

### Market Surveillance Framework for Overseas Client Trading Investigations

Considering the recent growth of cross-border transactions, a meeting of the Board of Governors on July 1 ruled that it would require members to provide information about overseas clients if necessary.

### No-Action Letter for Derivatives Transactions in the US.

TSE has obtained a No-Action Letter, for the offer/sale of Equity Options and TOPIX Index Options in the US, from the US Securities and Exchange Commission ("SEC"). In addition, a No-Action Letter for the offer/sale of TOPIX Index Futures was obtained from the US Commodity Futures Trading Commission ("CFTC").

## Stock Trading Activities

### Stock Trading Volume & Value

There are three kinds of stock trading methods on the TSE — (1) “regular way” transaction settled on the third business day following the day of the contract, (2) “cash” transaction settled on the day of the contract or on the next business day, and (3) “when issued” transaction settled in new shares after their issuance. In practice, “regular way” transaction accounts for almost all the trading.

The total trading volume in 1999 increased to 155.1 billion shares, with the daily average 633.3 million shares. The total trading value and the daily average trading increased to 185.5 trillion yen and 757.3 billion yen respectively.

While the turnover ratio on the volume basis increased to 44.1%, the turnover ratio on the value basis rose to 50.7%.

### Stock Trading Volume & Value (Domestic Stocks)

	No. of Trading Days	Volume (mils. of shares)		Turnover Ratio (%) (based on volume)	Value (¥ bil.)		Turnover Ratio (%) (based on value)
		Total	Daily Average		Total	Daily Average	
1994	247	84,514	342.2	24.9	87,355	353.7	25.6
1995	249	92,033	369.6	26.8	83,563	335.6	23.1
1996	247	100,170	405.5	28.9	101,892	412.5	28.6
1997	245	107,566	439.0	30.7	108,500	442.9	34.5
1998	247	123,198	498.7	35.2	97,391	394.2	35.0
1999	245	155,163	633.3	44.1	185,541	757.3	50.7
Jan.	19	8,124	427.6	2.3	7,152	376.4	2.6
Feb.	19	8,526	448.7	2.5	7,189	378.4	2.6
Mar.	22	18,384	835.6	5.3	15,819	719.0	5.3
Apr.	21	15,458	736.1	4.4	14,417	686.5	4.3
May	18	11,479	637.7	3.3	10,476	582.0	3.1
June	22	14,032	637.8	4.0	15,567	707.6	4.4
July	21	14,215	676.9	4.0	17,697	842.7	4.7
Aug.	22	12,401	563.7	3.5	15,361	698.2	4.0
Sept.	20	12,428	621.4	3.5	18,425	921.2	4.7
Oct.	20	12,993	349.6	3.7	16,982	849.1	4.2
Nov.	20	14,500	725.0	4.1	24,703	1,235.1	5.8
Dec.	21	12,617	600.8	3.5	21,746	1,035.5	4.9

### 30 Most Active Stocks (Volume and Value) (1999)

		(mils. of shares)		(¥ bills.)	
Rank	Stocks	Volume	Rank	Stocks	Value
1	NIPPON STEEL	3,299	NTT Mobile Communications Network		7,995
2	Sakura Bank	2,688	SOFTBANK		6,942
3	TOSHIBA	2,195	NIPPON TELEGRAPH AND TELEPHONE		6,746
4	Fuji Bank	1,987	SONY		5,862
5	NKK	1,848	FUJITSU		5,021
6	Hitachi	1,848	NTT DATA COMMUNICATIONS SYSTEMS		4,170
7	Sumitomo Metal Industries	1,819	TOYOTA MOTOR		2,831
8	FUJITSU	1,790	NEC		2,406
9	Mitsui Trust and Banking	1,642	Bank of Tokyo-Mitsubishi		2,346
10	ITOCHU	1,579	SEVEN-ELEVEN JAPAN		2,158
11	NISSAN MOTOR	1,551	Matsushita Electric Industrial		2,136
12	Bank of Tokyo-Mitsubishi	1,465	Hitachi		1,989
13	Mitsubishi Heavy Industries	1,458	Takeda Chemical Industries		1,951
14	NEC	1,382	Fuji Bank		1,810
15	Kawasaki Steel	1,379	TOSHIBA		1,790
16	Nikko Securities	1,336	HONDA MOTOR		1,785
17	Nomura Securities	1,201	Nomura Securities		1,705
18	Daiwa Securities Group	1,192	HIKARI TSUSHIN		1,585
19	Mitsubishi Electric	1,184	CSK		1,568
20	Daiwa Bank	1,120	CANON		1,542
21	Yasuda Trust and Banking	1,112	ITO-YOKADO		1,482
22	HASEKO	1,036	KYOCERA		1,442
23	Marubeni	1,030	Sumitomo Bank		1,441
24	Industrial Bank of Japan	975	DDI		1,430
25	Sumitomo Bank	932	Sakura Bank		1,426
26	Sanwa Bank	921	SECOM		1,421
27	Sumitomo Trust and Banking	914	Tokyo Electron		1,260
28	Asahi Bank	912	ADVANTEST		1,213
29	Matsushita Electric Industrial	895	Sanwa Bank		1,199
30	Mitsubishi Chemical	878	Matsushita Communication Industrial		1,136
Total Trading Volume of the 30 stocks (A)		43,584	A/B	Total Trading Value of the 30 stocks (C)	77,805
Total Trading Volume of all listed domestic stocks (B)		155,163	28.1%	Total Trading Value of all listed domestic stocks (D)	185,541
					C/D
					41.9%

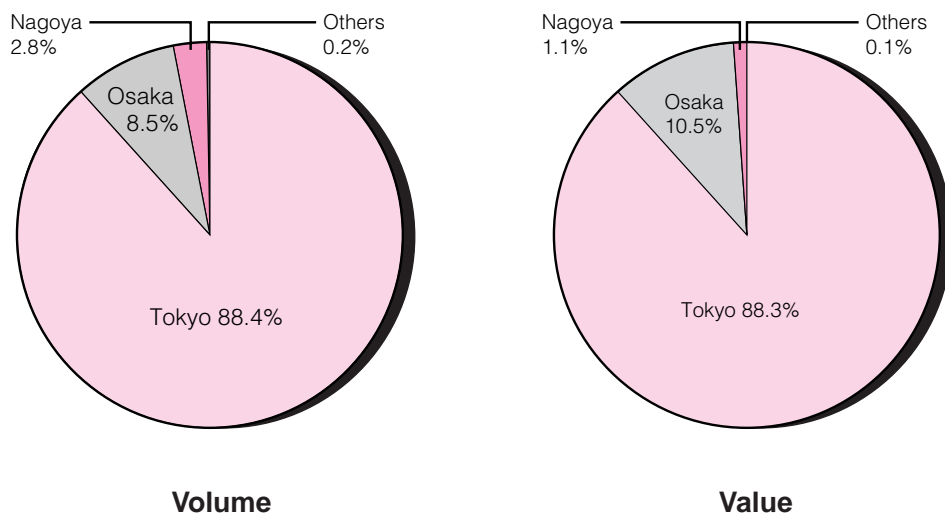
## Stock Transaction by Investment Sectors (Tokyo, Osaka & Nagoya)

(¥ bills.)					
	1996				
	Buy	Sell	Total	(%)	Net
Members' own accounts	38,751	39,734	78,485	33.0%	-983
Individuals	17,113	19,415	36,528	15.3%	-2,302
Foreigners	25,382	21,936	47,318	19.9%	3,446
Insurance Companies	1,784	2,104	3,888	1.6%	-320
Banks	25,390	22,187	47,577	20.0%	3,203
Investment Trusts	3,760	4,777	8,537	3.6%	-1,017
Business Corporations	3,819	5,274	9,093	3.8%	-1,455
Others	3,392	3,215	6,607	2.8%	176
<b>Total</b>	<b>119,393</b>	<b>118,647</b>	<b>238,040</b>	<b>100.0%</b>	<b>746</b>
	1997				
	Buy	Sell	Total	(%)	Net
Members' own accounts	42,302	44,715	87,017	34.0%	-2,412
Individuals	12,327	13,200	25,527	10.0%	-873
Foreigners	30,607	29,019	59,626	23.3%	1,587
Insurance Companies	1,723	2,624	4,347	1.7%	-900
Banks	31,896	27,222	59,118	23.1%	4,674
Investment Trusts	2,337	3,695	6,032	2.4%	-1,358
Business Corporations	3,945	4,566	8,511	3.3%	-621
Others	3,182	2,837	6,019	2.3%	345
<b>Total</b>	<b>128,323</b>	<b>127,882</b>	<b>256,205</b>	<b>100.0%</b>	<b>441</b>
	1998				
	Buy	Sell	Total	(%)	Net
Members' own accounts	35,240	36,003	71,243	33.2%	-763
Individuals	9,275	10,089	19,364	9.0%	-814
Foreigners	27,952	28,251	56,203	26.2%	-299
Insurance Companies	1,547	2,612	4,159	1.9%	-1,064
Banks	26,666	21,990	48,656	22.7%	4,676
Investment Trusts	1,290	1,727	3,017	1.4%	-437
Business Corporations	3,107	4,318	7,425	3.5%	-1,210
Others	2,416	2,099	4,515	2.1%	316
<b>Total</b>	<b>107,496</b>	<b>107,092</b>	<b>214,588</b>	<b>100.0%</b>	<b>403</b>
	1999				
	Buy	Sell	Total	(%)	Net
Members' own accounts	50,194	51,560	101,754	27.6%	-1,366
Individuals	37,462	39,739	77,201	21.0%	-2,277
Foreigners	56,032	46,904	102,936	27.9%	9,127
Insurance Companies	3,248	4,939	8,187	2.2%	-1,691
Banks	24,056	25,789	49,845	13.5%	-1,733
Investment Trusts	3,387	2,855	6,242	1.7%	531
Business Corporations	5,452	7,605	13,057	3.5%	-2,152
Others	4,594	4,576	9,170	2.5%	17
<b>Total</b>	<b>184,429</b>	<b>183,973</b>	<b>368,402</b>	<b>100.0%</b>	<b>455</b>

1. Figures are based on domestic stock transaction at Tokyo, Osaka and Nagoya Stock Exchanges.
2. Figures are derived from regular members with capital of 3 billion yen or more.
3. Foreigners are individual foreigners and foreign corporations.

## Trading Volume & Value on All Stock Exchanges

### Share of Stock Trading Volume and Value by Exchanges (1999)



### Stock Trading Volume & Value on All Stock Exchanges

(mils. of shares, ¥ bills.)

	All Exchanges		Tokyo		Osaka		Nagoya	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1995	120,148	115,839	92,033	83,563	21,093	24,719	5,059	5,462
1996	126,496	136,169	100,170	101,892	20,783	27,280	4,104	5,391
1997	130,657	151,445	107,566	108,500	15,407	27,024	6,098	12,758
1998	139,757	124,101	123,198	97,391	12,836	20,532	3,367	5,985
1999	175,445	210,236	155,163	185,541	14,972	22,105	4,934	2,371

	Kyoto		Hiroshima		Fukuoka		Niigata		Sapporo	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1995	640	872	285	305	404	395	295	211	336	307
1996	358	600	257	250	300	296	231	195	290	262
1997	668	2,114	182	200	244	204	240	396	248	246
1998	135	83	26	22	48	26	48	20	96	38
1999	159	97	19	14	51	32	51	25	102	47

Note: Trading volume and value of foreign stocks are not included.

## TSE Foreign Stock Market

	No. of Trading Days	No. of Listed Companies	Volume (thous. of shs.)		Value (¥ mils.)	
			Total	Daily Average	Total	Daily Average
1995	249	77	39,309	158	97,636	392
1996	247	67	63,452	257	167,434	677
1997	245	60	62,655	256	168,819	689
1998	247	52	22,131	90	88,686	359
1999	245	43	19,861	81	82,304	335
Jan.	19	51	2,714	142	6,528	343
Feb.	19	50	1,761	92	5,965	313
Mar.	22	48	1,860	84	5,220	237
Apr.	21	48	1,429	68	6,735	320
May	18	47	1,135	63	5,486	304
June	22	47	913	41	5,123	232
July	21	47	2,633	125	12,579	599
Aug.	22	47	1,121	50	4,547	206
Sept.	20	47	987	49	4,766	238
Oct.	20	45	1,046	52	4,542	227
Nov.	20	44	2,272	113	11,279	563
Dec.	21	43	1,986	94	9,529	453

## Major International Markets

(During or End of 1999)

Stock Exchange		Tokyo	New York	London	Germany	Paris
No. of Listed Companies	[Domestic] [Foreign]	1,889 43	2,187 405	2,292 499	1,043 7,974	968 176
Market Value (US\$ mil.)		4,455,348	11,440,766	2,954,815	1,432,167	1,502,951
Trading Value (US\$ mil.)		1,675,640	8,945,205	3,399,348	1,551,467	770,075

Note 1: Market Value excludes the figures of foreign companies.

Note 2: Trading Values of London is calculated in Regulated Environmental View.

Source: FIBV Monthly statistics

## Trading Mechanism

### A Pure Order-Driven Market

The TSE market is a continuous auction market where buy and sell orders directly interact with one another.

All orders, both limit and market, are placed by member broker/dealer firms (see table on next page for tick size) and matched in accordance with the price priority and time priority rules. Under the price priority rule, a selling (buying) order with the lowest (highest) price takes precedence. Under the time priority rule, an earlier order takes precedence over others at the same price. Thus, when the lowest sell and highest buy orders match in price, the transaction is executed at the price. In short, the TSE market is a pure order-driven market without market-makers.

There are two methods of transactions: the *itayose* and *zaraba* methods. The *itayose* method is mainly used for deciding opening and closing prices. In the *itayose* method, time priority rule is not applied and numerous orders placed before price setting are matched in a lump. In other words, if you place a market order before opening, it will be executed at the opening price regardless of size. In contrast, in the *zaraba* method, both the price priority and time priority rules are applied, so pairs of buy and sell orders are matched continuously.

In addition, TSE adopts the following unique measures to prevent any short-term wild price fluctuations. These measures not only help ensure price continuity, but also in effect work as circuit breakers in an emergency.

#### (1) Special Bid & Asked Quotes

When there is a major order imbalance, special bid or asked quotes are indicated, indicating a major imbalance between buy and sell orders. Special quotes are publicly disseminated through the TSE market information system. If counter orders come into the market and the orders are matched at that price, the quote is withdrawn. Conversely, if the imbalance continues, the special quotes are revised up or down within certain parameters (see table on next page), at intervals of at least 5 minutes until the imbalance is resolved.

#### (2) Daily Price Limits

In addition to special quotes, TSE sets daily price limits for individual stocks to prevent day-to-day wild swings in stock prices, and also to provide a "time-out" in the event of a sharp rise or decline in price and the resulting reaction from the investing public. Daily price limits are set in terms of absolute yen values according, for the sake of simplicity, to the price range of each stock (see table on next page). As the price limits simply prohibit bids and offers at prices beyond the limits, the market for a stock is open for trading within these limits, even after the stock hits a limit. Daily price limits also apply to special quotes. Consequently, special quotes cannot be indicated beyond the daily price limit.

### Tick Size (to be changed by mid-2000)

	Stock Price per Share	Tick Size	
		Current	New
up to	¥ 2,000	¥ 1	¥ 1
"	3,000	5	5
"	30,000	10	10
"	50,000	50	50
"	100,000	100	100
"	1,000,000	1,000	1,000
"	20,000,000	10,000	10,000
"	30,000,000	10,000	50,000
more than	30,000,000	10,000	100,000

### Daily Price Limit (to be changed by mid-2000)

	Previous Day's Closing Price or Closing Special Quote	Limits of Daily Price Fluctuations	
		Current	New
		Upward or downward	
less than	¥ 100	¥ 30	¥ 30
"	200	50	50
"	500	80	80
"	1,000	100	100
"	1,500	200	200
"	2,000	300	300
"	3,000	400	400
"	5,000	500	500
"	10,000	1,000	1,000
"	20,000	2,000	2,000
"	30,000	2,000	3,000
"	50,000	3,000	4,000
"	70,000	5,000	5,000
"	100,000	5,000	10,000
"	150,000	50,000	20,000
"	200,000	50,000	30,000
"	300,000	80,000	40,000
"	500,000	80,000	50,000
"	1,000,000	100,000	100,000
"	1,500,000	200,000	200,000
"	2,000,000	300,000	300,000
"	3,000,000	400,000	400,000
"	5,000,000	500,000	500,000
"	10,000,000	1,000,000	1,000,000
"	15,000,000	2,000,000	2,000,000
"	20,000,000	2,000,000	3,000,000
"	30,000,000	2,000,000	4,000,000
"	50,000,000	2,000,000	5,000,000
	50,000,000 or more	2,000,000	10,000,000

### Special Quote Variations (to be changed by mid-2000)

	Last Special Quote	Limits of Special Quote Variations	
		Current	New
		Upward or downward	
less than	¥ 500	¥ 5	¥ 5
"	1,000	10	10
"	1,500	20	20
"	2,000	30	30
"	3,000	40	40
"	5,000	50	50
"	10,000	100	100
"	20,000	200	200
"	30,000	200	300
"	50,000	300	400
"	70,000	500	500
"	100,000	500	1,000
"	150,000	5,000	2,000
"	200,000	5,000	3,000
"	300,000	5,000	4,000
"	500,000	5,000	5,000
"	1,000,000	10,000	10,000
"	1,500,000	20,000	20,000
"	2,000,000	30,000	30,000
"	3,000,000	40,000	40,000
"	5,000,000	50,000	50,000
"	10,000,000	100,000	100,000
"	15,000,000	200,000	200,000
"	20,000,000	200,000	300,000
"	30,000,000	200,000	400,000
"	50,000,000	200,000	500,000
	50,000,000 or more	200,000	1,000,000

## **COMPUTER TRADING**

All TSE listed products have been traded by computer trading systems since the stock-trading floor was closed in April 1999. Regular members enter all orders from their terminals or computer systems.

Trading on the stock trading system is outlined below.

### **(1) Order Entry**

Members enter orders from a terminal installed in their offices or via their proprietary computer systems. Once orders are recorded in the stock trading system, an order acceptance notice is displayed on the terminal or sent back to the member's computer system

### **(2) Execution**

The stock trading system executes orders automatically if they satisfy the matching rule mentioned above.

### **(3) Trade Reports**

Once transactions have been completed, the results are immediately transmitted to members' terminals or computer systems.

### **(4) Market Inquiries**

Members receive market information via their terminals or computer systems.

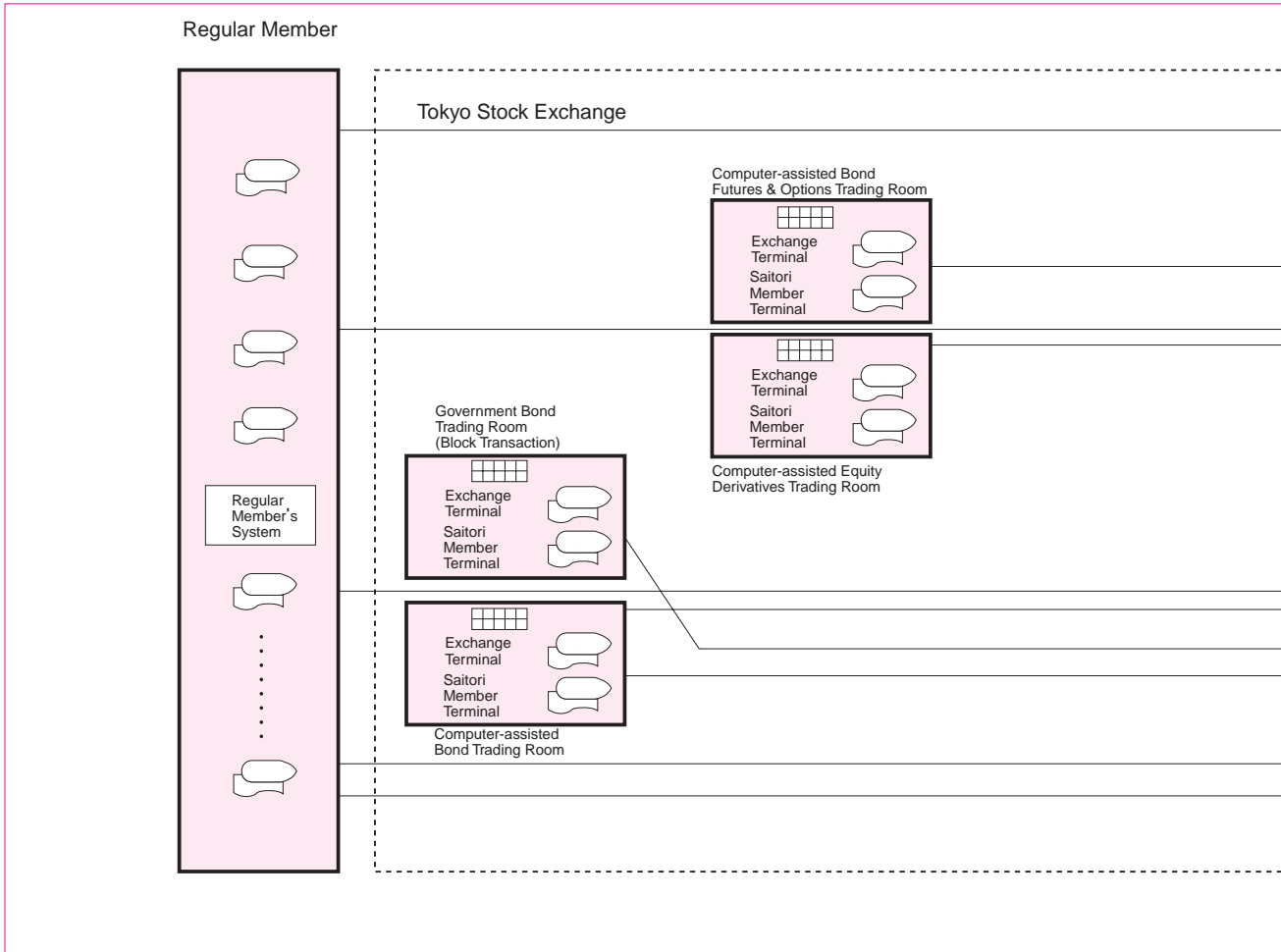
### **(5) Market Supervision**

TSE monitors the market and supervises transactions of each product via a terminal in the TSE building.

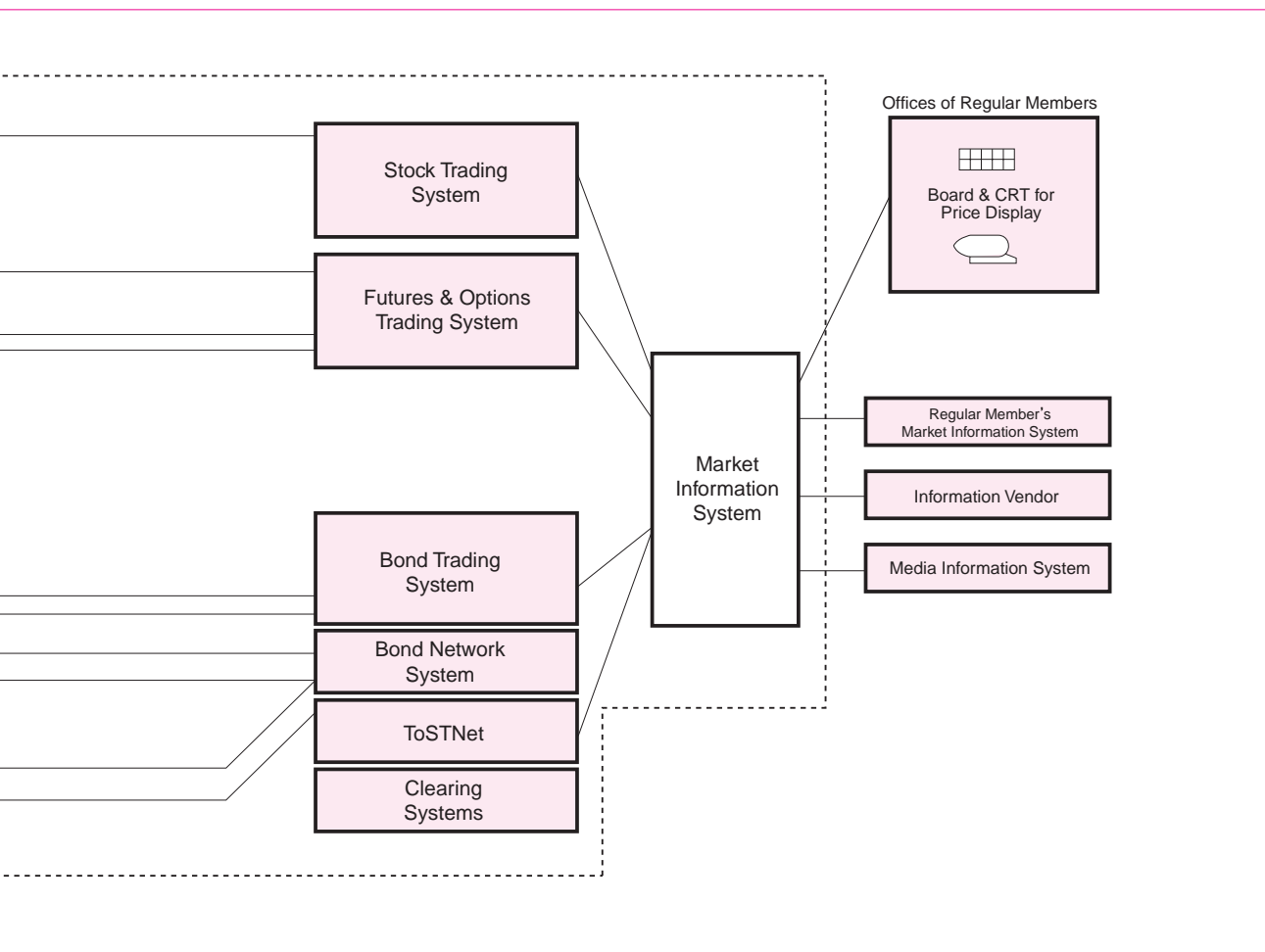
### **(6) Connection with Market Information System**

Once consummated, transaction trade prices are automatically transmitted from the trading system to the TSE market information system. Information vendors provide subscribers with similar market data along with further information.

## TOKYO STOCK EXCHANGE SYSTEM DIAGRAM(\*)



	Name	Products
Trading Systems	Stock Trading System	All stocks
	Futures & Option Trading System	TOPIX Futures, Sector Indexes Futures, TOPI
	Bond Trading System	Convertible bonds, bonds with warrants, warra
	Bond Network System	JGB, yen-denominated foreign bonds, foreign
	ToSTNet	Stocks and domestic convertible bonds on off-
Information System	Market Information System	All the products of TSE and major products of
Clearing System	Clearing System	All the products of TSE



	Release (replacement)
	mid-2000(*)
X Options, Equity Options, JGB (Japanese Government Bonds) Futures, Options on JGB Futures	Apr. 1988 (Nov. 1998)
nts	Dec. 1989
convertible bonds, municipal bonds, etc.	Feb. 1998
hours trading	June 1998
7 other exchanges	Sep. 1974 (Nov. 1998)
	Oct. 1953 (Oct. 1994)

(\*)Stock Trading System will be replaced during 2000 and this diagram shows the system after replacing.

## Off-Hours Trading

Off-hours trading was introduced to facilitate cross trading for large block orders and basket orders on November 14, 1997. A price at which to be traded is restricted within a certain range based upon the price determined in the auction market. These trading sessions are available to domestic stocks, domestic convertible bonds and TOPIX futures.

In order to facilitate the off-hours trading more, the TSE established a new electronic trading system called ToSTNeT (Tokyo Stock Exchange Trading

Network System) -1 on June 29, 1998. ToSTNeT-1 now deals with off-hours trading for single issue orders and basket cross orders (except convertible bonds' basket cross orders and TOPIX futures' orders). As for single issue trading, seller and buyer can negotiate the terms of the trade through the system.

In response to the diverse transaction needs of various investors, especially that of individual investors, on August 7, 1998, the TSE introduced ToSTNeT-2 which provides the means to execute orders at the TSE's closing prices.

As of March 2000

	Single Issue Trading and Basket Trading (ToSTNeT-1)	Trading on Closing Price (ToSTNeT-2)
Product	Domestic listed stocks and domestic listed convertible bonds	
Trading unit	① Single Issue Trading Stocks: One trading unit or more Convertible bonds: One trading unit or more ② Basket Cross Trading Transaction including 15 issues or more with trading value of 100 million yen or more	One trading unit or more
Trading hours	8:20 ~ 9:00 11:00 ~ 12:30 15:00 ~ 16:30	8:45 12:15 16:00 Orders are accepted from 8:20 to 16:00.
Price range	① Single Issue Trading 7% above or below the last price formed in the auction market ② Basket Cross Trading 5% above or below the trading value of the components calculated based on the last prices formed in the auction market	8:45: Closing price or volume-weighted average price (VWAP) on the previous day 12:15: Closing price or VWAP of the morning session on the trading day. 16:00: Closing price on the trading day, or VWAP of the afternoon session or of the trading day.
Tick Size	Stocks: 1 yen Convertible bonds: 0.01 yen	—
Transaction method	① Single Issue Trading Cross trading or negotiation between buyer and seller ② Basket Cross Trading Cross trading	Closing Price Trading Individual auction (cross trading is matched prior to other orders) VWAP Trading Cross trading
Settlement date	T+0 or T+3	T+3

Note: VWAP is calculated down to 4 decimal places.

## Clearing & Settlement

### **TSE Acts AS Clearinghouse**

For all trades conducted on the TSE market, the TSE acts as the central counterparty. At the same time as a trade takes place, the TSE acts as a “middle man” for the transaction between two parties, and the original contract between two parties will be substituted with two new ones; one between the TSE and the selling member firm, the other between the TSE and the buying member firm.

The TSE itself performs all those contractual obligations and thus guarantees the settlement of all transactions on the TSE even in the case of default by a member firm. The TSE will deal with the default in accordance with its default compensation procedures, which include usage of the Default Reserve funded by member firms.

### **Clearing and Settlement Procedure of Domestic Stocks**

On the TSE, almost all the stock tradings are settled on the third business day following the day of transactions (T+3). The clearing and settlement procedure for stock trading involves trade comparison, trade netting, settlement by book-entry and money settlement. While settlement by book-entry is done through the Japan Securities Depository Center (JASDEC), the money settlement is effected through BOJ (Bank of Japan) and settling banks designated by the TSE.

The followings are the basic clearing and settlement procedures for the stock trading on the TSE.

#### **Trade Date (T)**

On the TSE, all the tradings are done by electronic trading systems and the trade report is automatically transmitted to the Regular members upon execution of orders. When the Regular members receive the trade reports from the TSE, they compare them with their own internal records. At the same time, trade data is accumulated and compiled at the Tosho Computer System (TCS, a subsidiary of the TSE) for subsequent processing.

#### **T+1**

In case Regular members find any errors or discrepancy against their own internal records, they have to report them to the TSE for correction.

#### **T+2**

The TSE clearing system is on a net basis. The TSE deals with only the net balance of the total transactions of each Regular member, both in terms of the number of shares traded and the payment due. The net balance of shares in each issue which a Regular member has traded is settled by book-entry from the net selling Regular member to the TSE and from the TSE to the net buying Regular member through the JASDEC.

- (1) By the morning of T+2, post-trade data is compiled in accounting formats for settlement. The TSE provides net settlement instructions for each net-seller Regular member and net-buyer Regular member, notifying each of its receipt or payment amount as well as the number of shares due.
- (2) By 8:00 p.m. on T+2, the TSE sends to the JASDEC transfer instructions which will be effective on T+3, requesting net sellers' accounts to debit and net buyers' accounts to credit by way of the TSE's settlement account. The instructions are transmitted to the JASDEC by computer-to-computer.

#### **T+3 (Settlement Day)**

- (1) By 3:00 p.m. on T+3, book-entries for settlement on the JASDEC are carried out. The chart on page 13 shows general procedure for settlement. Regular members' updated balance in the securities accounts as a result of the settlement are printed out by the JASDEC terminals installed in Regular members' offices.
- (2) The settlement of money on a net balance basis is effected on T+3 by means of account transfer between each member's account and TSE account at either BOJ or a settling bank. The TSE currently designates 11 commercial banks as the settling bank. All the TSE members are required to open an account at either BOJ or one of the settling banks.

## Central Depository & Clearing System

Since 1972, the Japan Securities Clearing Corporation (JSCC, a subsidiary of TSE) has been operating the book-entry settlement system for the settlement of the transactions in all the stocks listed on the TSE. The system, however, was carried out on the basis of contracts between the JSCC and its participants (Regular members of the TSE and the Japan Securities Finance Co., Ltd.), not on the basis of a law. Therefore, it included such considerable burden that the share certificates deposited by the participants had to be returned to shareholders each time they exercise rights thereof.

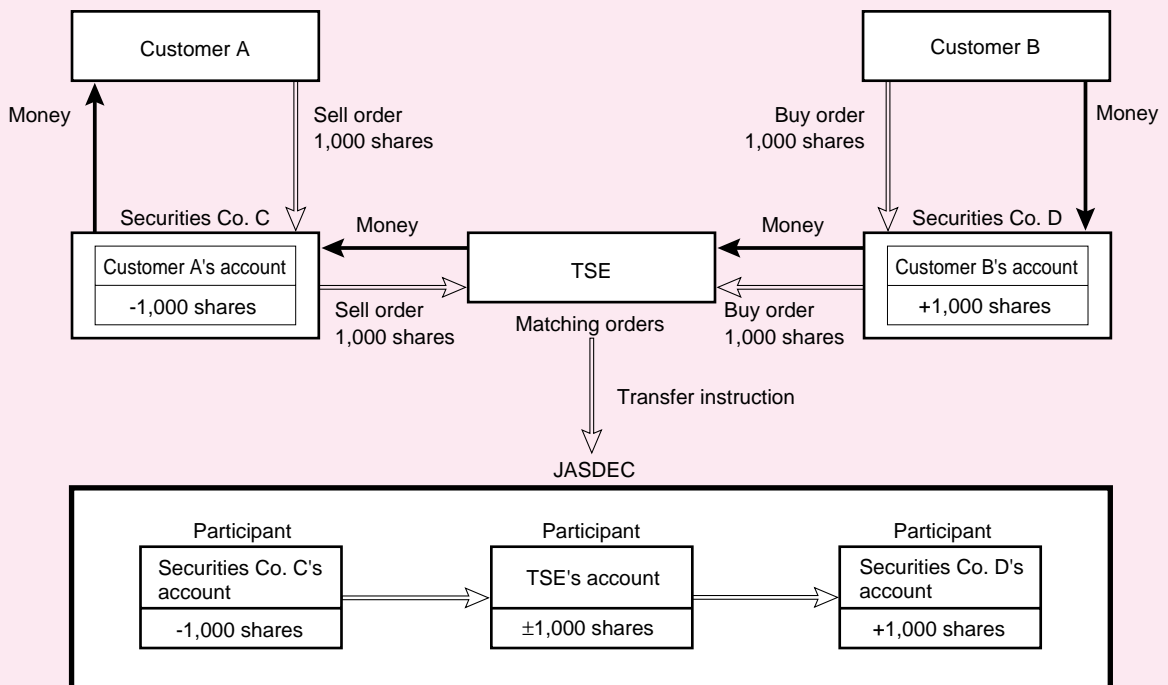
For the purpose of building a complete system, the Securities Exchange Council started a study of the central depository and clearing system in 1979. In 1984, following enactment of "Law Concerning Central Depository and Book-Entry Delivery of

Shares Certificates and Other Securities", the JASDEC was established. The JASDEC, designated as a securities depository organization by the Minister of Finance in May 1985, took the leadership in discussion on book-entry system, method of reporting to the beneficial owners and development of computer system. The JASDEC was fully put into operation in October 1992.

The JASDEC covers domestic stocks listed on all the stock exchanges and the OTC stocks.

Since the JASDEC is just an administrative body, it entrusts the actual operation for custody to the JSCC.

## Settlement Mechanism (Domestic Stocks)



## Clearing & Settlement of Foreign Stocks

The settlement of transaction in foreign stock on the TSE is conducted through the Book-entry Clearing System for Foreign Stock. The main features of this system are explained below.

### 1. Custody of Share Certificates

Under the book-entry clearing system, foreign companies' share certificates are held in the name of the Japan Securities Clearing Corporation ("JSCC") by a JSCC-designated custodian in the foreign company's home country. Custodial account statements are issued by TSE-member firms to the beneficial shareholders under this system.

### 2. Settlement of Transactions on the TSE

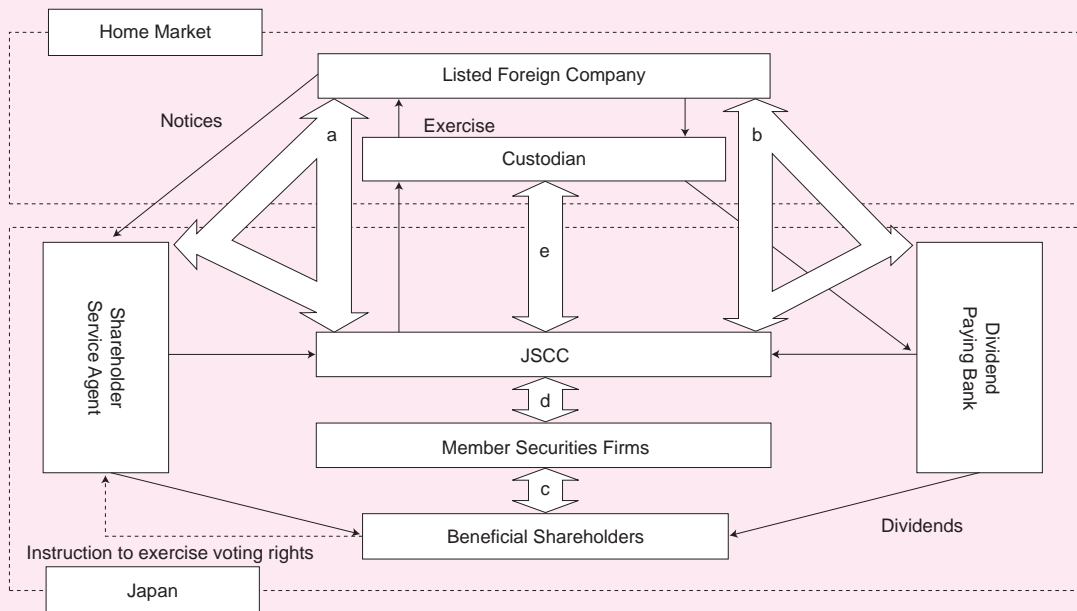
Under the book-entry clearing system, transactions

are settled by debiting or crediting the accounts of TSE-member firms at the JSCC. Accordingly, transactions on the TSE are not settled by the physical delivery of certificates.

### 3. Payments of Dividends to Beneficial Shareholders; Handling Voting Rights etc.

The payment of dividends to beneficial shareholders and the exercise of voting and other rights of beneficial shareholders are handled by the Shareholder Service Agent and the Dividend Paying Bank designated by a listed foreign company at the time of listing. This is done on the basis of information relating to beneficial shareholders prepared by the TSE-member firms and provided through the JSCC.

## Shareholder Service and Dividend Paying Systems



- a. Service Agreement
- b. Paying Agreement
- c. Agreement Concerning the Opening of a Foreign Stock Trading Account
- d. Regulations of the JSCC
- e. Custody Agreement

## LISTING REGULATIONS

The TSE Regulations on listing of securities stipulate basic matters regarding listed securities to ensure fair and orderly transactions in listed securities and protection of investors. The followings are the major elements of the Regulations.

### Initial Listing

Companies applying for initial listing of their securities are required to meet the numerical listing criteria. The TSE conducts a rigorous examination of an applicant company satisfying these criteria, with particular emphasis on whether the fair price formation and the appropriate market liquidity are warranted and whether the public interest and protection of investors are properly secured. After making a decision based on comprehensive judgement on these merits, the TSE admits the securities to the list.

### Supervision of Listed Companies

The TSE has regulations for appropriate supervision of listed securities. The standards require listed companies to give an immediate notice to the TSE of a fact having a material impact on investment judgement, such as suspension of banking accounts or business activities. They also require them to file various documents with the TSE on matters concerning rights of shareholders, such as the issuance of new shares and the closure of the stockholders' register.

Where the TSE finds it necessary to make public the fact the TSE changes the listed company to disclose it to the public investors at an appropriate time in an appropriate way.

### Delisting

Disqualification of continued listing is stipulated in the delisting criteria. Where, for example, the market liquidity of a listed security has become too low to assure a fair price formation, or where a listed company has gone bankrupt, the delisting criteria comes into play. If the TSE finds it necessary, securities to be delisted remain listed for a certain period of time before they are finally crossed out from the list.

### Assignment of Stocks to Sections

Domestic stocks are assigned to either the 1st Section or the 2nd Section while foreign stocks are assigned to the Foreign Section. In addition, some of domestic stocks of emerging companies are assigned to another section "Mothers". Newly-listed domestic stocks are assigned to the 2nd Section except under certain conditions.

As for 2nd Section stocks, the TSE examines at the end of each business year of the issuing companies whether they meet the assignment criteria from the 2nd Section to the 1st Section. Qualified 2nd Section stocks are assigned to the 1st Section. If 1st Section stocks fall under any of the reassignment criteria the other way round, the TSE transfers them to the 2nd Section.

### Listing Fees

The TSE requires listed companies to shoulder part of various costs for the operation of its business, including the supervision of listed securities, in the form of listing fees. The listing fees consist of the listing fee paid upon initial listing of securities or upon additional listing of new shares and the annual listing fee paid in two installments a year. Rates for each are stipulated in the TSE Regulations

## Numerical Criteria for Listing (Domestic)

As of March, 2000

Item	All of the following criteria must be met.
No. of Shares to be Listed	4 million shares or more
No. of Shares Held by "Special Few" (i.e., 10 Largest Shareholders & Persons Having Special Interest in the Issuer)	Provisional Criteria: (1) 80% or less of the number of shares to be listed by the time of listing, and also 75% or less by the end of the first business year after the listing. (2) 87.5% of the number of shares to be listed minus 7.5 million shares or less, if the number of share to be listed is more than 60 million and less than 100 million (3) 80% or less of the number of shares to be listed, if the number of share to be listed is more than 100 million
No. of Shareholders Holding 1 "Unit" or More (Excluding "Special Few")	If the number of shares to be listed is: (1) Less than 10 million shares; 800 or more (2) 10 million shares or more but less than 20 million shares; 1,000 or more (3) 20 million shares or more; 1,200 plus 100 per each 10 million shares in excess of 20 million shares, up to 2,200
Years elapsed since incorporation	3 years or more with continued business operation
Shareholders' Equity	¥1 billion or more in total (basically consolidated basis)
Pre-tax Profit	Following (a or b) a. Annual total for each of last two years: 1st year: 100 million yen or more, and 2nd (last) year: 400 million yen or more b. Annual total for each of last three years: 1st year: 100 million yen or more, 3rd (last) year: 400 million yen or more, and total of the three years: 600 million yen or more.
Financial records	a. There should be no false statements in the applicant's financial statements for the 2 most recent fiscal year. b. The opinion given by a certified public accountant, in the audit reports should be given as 'fair' for the 2 most recent fiscal years. c. The auditor's opinions needed be non-qualified fair.

Note: All numerical criteria above are for a company which provides 1,000 shares as the number of one "Unit" of share.

## Numerical Criteria for 1st Section Assignment (Domestic)

As of March, 2000

Item	All of the following criteria must be met.
No. of Shares Listed	20 million shares or more
No. of Shares Held by "Special Few" as of End of Last Business Year	Provisional Criteria; (1) 92.5% of the number of shares to be listed minus 22.5 million shares or less, if the number of share to be listed is more than 100 million and less than 180 million (2) 80% or less of the number of shares to be listed, if the number of share to be listed is more than 180 million
No. of Shareholders Holding 1 "Unit" or More (Excluding "Special Few") as of End of Last Business Year	If the number of shares listed is: (1) Less than 30 million shares; 2,200 or more (2) 30 million shares or more but less than 200 million shares; 2,300 plus 100 for each 10 million shares, or more (3) 200 million shares or more; 4,000 or more plus 100 for each 20 million shares, or more
Average Monthly Trading Volume	For each period of last 6 months and preceding 6 months: If the stock is listed on TSE only; 200,000 shares or more. If the stock is listed on other regional exchanges, there is separated standards.

## Numerical Criteria for Delisting (Domestic)

As of March, 2000

Item	In case of falling under any of the following criteria
No. of Shares Listed	Less than 4 million shares
No. of Shares Held by "Special Few" as of Each End of Last 2 Business Years	More than 75% of the number of shares listed (Provisionally 80%)
No. of Shareholders Holding 1 "Unit" or More (Excluding "Special Few") as of Each End of Last 2 Business Years	If the number of shares listed is: (1) Less than 10 million shares; Less than 400 (2) 10 million shares or more but less than 20 million shares; Less than 600 (3) 20 million shares or more; Less than 1,000 plus 100 for each 10 million shares in excess of first 20 million shares, up to 2,000
Trading Volume	(1) For last 1 year: Average monthly trading volume of less than 10,000 shares, or (2) No trades during last 3 months
Dividends/Liabilities	Excess liabilities continued for last 3 business years

## Listing Fees (Domestic)

As of March, 2000

Classification		Fees
Stocks	Initial Listing Fee	[Fixed Fee] ¥12 million per issuer [Proportional Fee] For the number of shares listed: ¥0.045 per share
	Additional Share Listing Fee	9/10,000 of the amount of the subscription money per share multiplied by the number of shares additionally listed.
	Annual Listing Fee	Out of the number of shares listed: (1) ¥1.2 million for 10 million shares or less; (2) ¥80,000 for each 5 million shares or fraction thereof in excess of 10 million shares to 100 million shares; (3) ¥80,000 for each 50 million shares or fraction thereof in excess of 100 million shares to 1 billion shares; (4) ¥80,000 for each 500 million shares or fraction thereof in excess of 1 billion shares.
Preferred Stocks	Initial Listing Fee	4.5/10,000 of the amount of the issuing price multiplied by the total number of shares listed
	Annual Listing Fee	Issuing price × Number of listed shares: (1) ¥50,000 for ¥500 million or less; (2) ¥70,000 for each ¥250 million or fraction thereof in excess of ¥500 million to ¥5 billion; (3) ¥70,000 for each ¥2.5 billion or fraction thereof in excess of ¥5 billion to ¥50 billion; (4) ¥70,000 for each ¥25 billion or fraction thereof in excess of ¥50 billion.
Subscription Rights	Initial Listing Fee	If the amount of issuing price multiplied by the number of additional shares which will be issued by exercise of the right is: (1) ¥5 billion or less; One half of the amount derived by applying the formula for "Additional Share Listing" above or ¥170,000, whichever smaller (2) More than ¥5 billion; ¥340,000

## Mothers

Mothers is the new market introduced by Tokyo Stock Exchange in November 1999 to provide easier funding for emerging companies with high

growth potential; to foster new industries and to offer a wider choice of investment instruments.

### Listing Criteria for Mothers

(As of March 2000)

Distribution	Public Offering	Of at least 1,000 trading units must take place by the day preceding listing
	Shareholders	At least 300 additional shareholders (excluding directors, affiliated companies and other special interest parties), each holding at least 1 trading unit.
Market Value		The estimated market value for the time of listing must be at least ¥500 million (estimated number of shares to be listed x share price at public offering.)
Shareholders' Equity		—
Sales		The applicant's core business must be effectively operational in terms of sales by the day preceding the application.
Financial Records		There should be no false statements in the applicant's financial statements. The opinion given by a certified public accountant or equivalent, in the annual and mid-term audit reports attached to the Securities Report for Listing Application, should be given as 'fair' and 'valid accounting information' respectively. The auditor's opinion needed not be 'unqualified'. If the applicant has been established for over 2 fiscal years, only reports for the 2 most recent fiscal years are necessary.
Trading Volume		—
Other		Must comply with Listing Criteria: Rule 4 Item 1 Section 7-9 (entrustment of sharehandling service agency, share certificate forms and non-restriction of share transfer)

### Delisting Criteria for Mothers

(As of March 2000)

Distribution	Public Offering	—
	Shareholder	There have been less than 150 shareholders for over 1 year.
Market Value		—
Shareholders' Equity		The company has had excess liabilities for the past 3 years. However, this does not apply to the first 2 years after listing.
Sales		—
Financial Records		a. There are false statements and TSE regards this as materially damaging. b. The auditor's opinion is 'unqualified' and TSE regards this as material.
Trading Volume		The average monthly trading volume is less than 10 shares or no transactions have been made for three consecutive months.
Other		Suspension of bank account, bankruptcy, etc.

## Listing Examination for Mothers

(As of March 2000)

(a) Disclosure	(1) whether listing application documents comply with corporate disclosure rules; whether the documents detail projects, risk factors and other information material to investment decisions.
	(2) accounting system & organization
	(3) appropriateness of disclosure concerning finance activity within corporate group
	(4) management & timely disclosure of corporate information
	(5) disclosure of quarterly business results
(b) Sound Management	business is conducted in a fair & true manner; no unfavourable transactions with any specific party
(c) Subsidiary Listing Rule	(1) whether parent company is not forcing or encouraging unprofitable transactions
	(2) whether conditions of transactions with parent are not obviously unusual
	(3) whether the company holding majority voting rights is a public company, or one which has a history of regular disclosure; not applicable if the business relationship is loose, and the shareholding is an investment, not a means to control the applicant's business activities
(d) Other	any other matters deemed necessary by TSE for investor protection and in the public interest

## Initial Listing Fees and Additional Fees for Mothers

(As of March 2000)

(1) Initial Listing Examination Fee	¥ 1 million (50% of that of existing market)
(2) Initial Listing Fee	¥ 1 million + (value of public offering x 0.0009)
(3) Additional Listing Fee	Value of financing x 0.0009
(4) Annual Fee	1-3 years after listing 50% of that of existing market year 4 onwards 100% (in proportion to number of shares listed, eg <10,000 trading units = ¥1.2 million >)

## Listing Criteria for Foreign Stocks or Depositary Receipts (DRs)

(As of March, 2000)

Item	Ordinary Company			Privatized Company
Number of Shares or DRs to be Listed	Average Closing Price	Trading Unit (shares)	Minimum Number of Shares (thousand shares)	* Average Closing Price – Daily average of closing prices at home country stock exchange, etc. for one year preceding to the date of listing application.  In case of a company not being publicly held, the initial public offering price will be referred.
	less than ¥500	1,000	20,000	
	¥500 - ¥1,000	500	10,000	
	¥1,000 - ¥5,000	100	2,000	
	¥5,000 - ¥10,000	50	1,000	
	¥10,000 - ¥100,000	10	200	
	¥100,000 or more	1	20	
Liquidity of Shares or DRs and Number of Shareholders or DRs holders in Japan		Liquidity in home country		Number of shareholders in Japan
	Secondary Listing	having or being likely to have sufficient liquidity in home country		1,000
	Simultaneous Listing with Other Exchanges	not having or being unlikely to have sufficient liquidity in home country		2,000
	Primary Listing	—		2,000
Share Distribution	Significant portion of shares must not be held by a limited number of shareholders.			
Years Elapsed Since Incorporation	At least 3 years since incorporation			Applicant business has been continuously operating the main part of its business for at least 3 calendar years
Shareholders' Equity	At least 1 billion Yen as of the last fiscal year			
Pre-tax Profits	Pre-tax profit for the last 3 years, or 2 years (or shorter period in case of privatized company) if the Exchange deems appropriate, must satisfy either of the following items:			
	a. 2 years		b. 3 years	
	(a) the 1st year: 100 million yen or more		(a) the 1st year: 100 million yen or more	
	(b) the last year: 400 million yen or more		(b) the last year: 400 million yen or more	
	(c) total for 3 years: 600 million yen or more			
Financial Statements	a. The issuer satisfies item a of Pre-tax Profits No false statement for the last two years  b. The issuer satisfies item b of Pre-tax Profits No false statement for the last three years  Unqualified fair opinion of independent public accountant for the latest year			
Restriction against Stock Transfer	In principle, no restrictions against transfer of stocks.			
Shareholders Service	Appoint Shareholders Service Agent and Dividend-paying Bank approved by the TSE			

Deposit Agreement: Foreign Applicant company for listing of DRs must make a deposit agreement with trustee Bank and DR holders.

## Listing Fees for Foreign Stocks

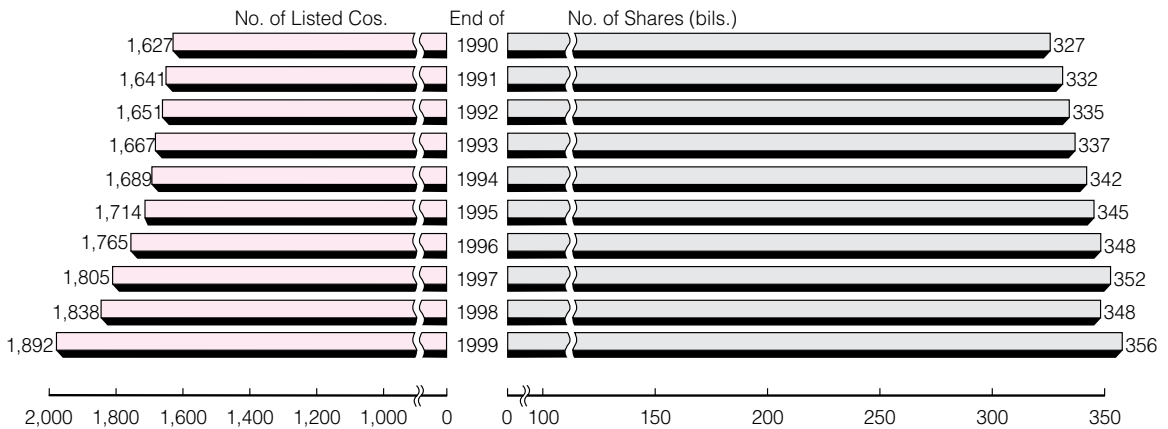
(As of March, 2000)

Initial Listing Fee	(1) Listing Examination Fee	¥ 1 million	
	(2) Listing Fee	[Fixed Fee]      ¥ 2.5 million [Proportional Fee] ¥0.0225 × No. of shares listed (or DRs hereafter the same) × Rate of reduction The maximum amount of this proportional fee shall be ¥13.5 million.  (rate of number of shares held by Japanese investors to the total number of shares listed) 2% or less more than 2% but 5% or less more than 5%	(rate of reduction)  1/50 1/20 1/10
Annual Listing Fee	(1) For first 10 million shares		¥ 150,000;
	(2) For each 2 million shares or fraction thereof in excess of 10 million shares but 40 million shares or less		¥13,000;
	(3) For each 4 million shares or fraction thereof in excess of 40 million shares but 120 million shares or less		¥13,000;
	(4) For each 10 million shares or fraction thereof in excess of 120 million shares but 200 million shares or less		¥13,000;
	(5) For each 100 million shares or fraction thereof in excess of 200 million shares but 1 billion shares or less		¥13,000;
	(6) For each 200 million shares or fraction thereof in excess of 1 billion shares but 2 billion shares or less		¥13,000;
	(7) For each 400 million shares or fraction thereof in excess of 2 billion shares		¥13,000;
Additional Listing Fee	0.0018% of the total paid-in value of newly-issued shares offered in Japan (In the case of a company listed only on the Tokyo Stock Exchange, shares offered in the other countries shall be included in the calculation)		

## Listed Companies

### Overview

#### Number of Listed Domestic Companies and Shares



#### Number of Listed Domestic Companies by Size of Shareholders' Equity (1997 & 1998)

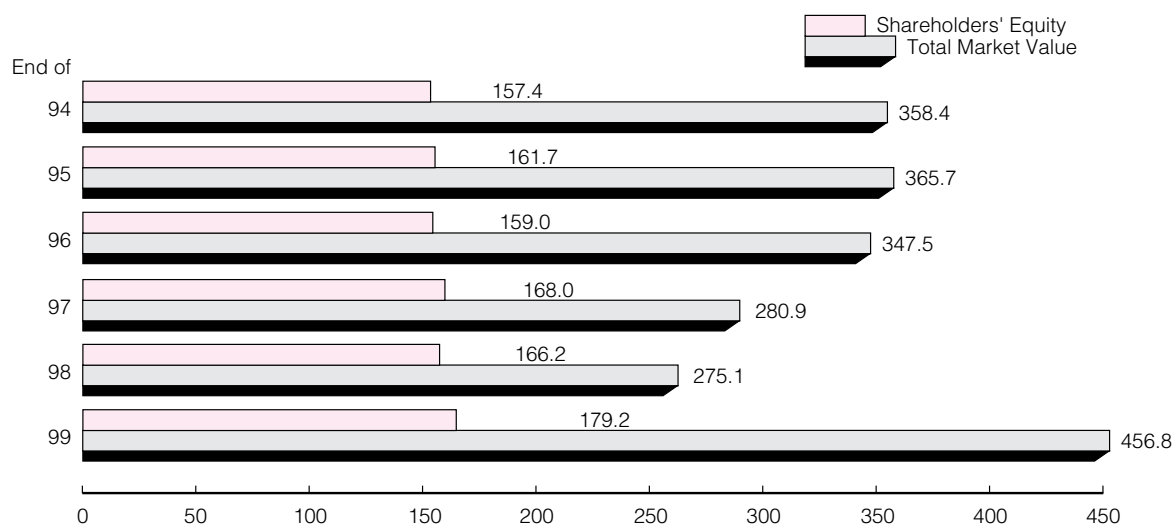
¥bils.	less than 0.5	0.5~ 0.99	1~ 1.99	2~ 4.99	5~ 9.99	10~ 49.99	50~ 99.99	100 & over	Total
<b>1997</b>									
1st Section	9	2	4	38	62	579	274	359	1,327
2nd Section	10	13	27	79	118	223	9	2	481
<b>Total</b>	<b>19</b>	<b>15</b>	<b>31</b>	<b>117</b>	<b>180</b>	<b>802</b>	<b>283</b>	<b>361</b>	<b>1,808</b>
<b>1998</b>									
1st Section	8	4	8	38	60	596	262	360	1,336
2nd Section	11	14	28	80	131	237	6	4	511
<b>Total</b>	<b>19</b>	<b>18</b>	<b>36</b>	<b>118</b>	<b>191</b>	<b>833</b>	<b>268</b>	<b>364</b>	<b>1,847</b>

Note: Based on the figures for business years ending between April 1 of the previous year and March 31 of the year in question.

#### Number of Listed Domestic Companies by Business Year-end (1999)

Business Year-end	1st Section	2nd Section	Mothers	Total	Business Year-end	1st Section	2nd Section	Mothers	Total
Jan.	13	4	0	17	Sept.	10	10	0	20
Feb.	57	25	0	82	Oct.	6	4	0	10
Mar.	1,164	413	0	1,577	Nov.	12	16	0	28
Apr.	2	0	0	2	Dec.	83	43	0	126
May	9	4	0	13					
June	2	5	2	9					
July	2	1	0	3					
Aug.	4	1	0	5	<b>Total</b>	<b>1,364</b>	<b>526</b>	<b>2</b>	<b>1,892</b>

## Amount of Shareholders' Equity and Total Market Value (¥ trils.)



## Sources of Increase in Outstanding Shares

(100mils. of shares)

	Major Sources of Increase							Total Net Increase
	Initial Listings	Delistings	Capital Increases		Converted from Convertibles	Exercise of Warrants	Others	
			Stock Splits	Total				
1990	13.3	-23.0	79.8	100.5	17.7	5.2	16.3	130.1
1991	4.9	-10.7	30.7	36.7	5.7	3.4	15.7	55.8
1992	4.5	-3.4	13.9	17.7	1.2	1.8	3.6	25.4
1993	4.8	-11.7	7.9	13.2	3.2	6.2	11.3	27.0
1994	8.3	-8.7	21.6	27.5	4.2	4.3	11.8	47.5
1995	8.2	-2.6	8.0	14.8	3.2	3.1	3.2	30.0
1996	15.1	-30.5	6.5	18.1	4.7	7.0	18.6	33.1
1997	9.7	-12.6	4.3	21.7	9.8	2.3	2.5	33.4
1998	15.4	-91.3	1.2	25.1	10.5	0.7	0.4	-39.0
1999	14.2	-25.7	7.0	87.0	9.5	1.7	-0.0	86.7

Note: Total figures in the column of Capital Increases are the total number of Rights Offerings, Public Offerings, Private Placements, and Stock Splits.

## Listed Domestic Stocks by Industrial Groups

(End of 1999)

	No. of Companies	No. of Shares (bils. of shares)	Shareholders' Equity (¥ bilis.)	Market Value (¥ bilis.)
Fishery, Agriculture & Forestry	8	1.4	202	351
Mining	9	0.8	323	270
Construction	151	18.9	7,796	5,978
Foods	96	10.5	6,849	8,785
Textiles & Apparels	66	9.4	3,188	3,471
Pulp & Paper	22	4.0	1,402	1,794
Chemicals	131	24.0	9,166	15,667
Pharmaceutical	39	6.5	5,194	13,046
Oil & Coal Products	12	4.9	1,348	1,534
Rubber Products	15	2.2	1,359	2,337
Glass & Ceramics Products	38	5.9	2,534	2,824
Iron & Steel	48	25.0	4,399	4,021
Nonferrous Metals	33	7.7	2,040	3,519
Metal Products	52	2.9	2,015	1,608
Machinery	156	19.0	7,813	11,988
Electric Appliances	191	34.9	22,431	97,412
Transportation Equipment	86	24.3	13,590	32,562
Precision Instruments	28	2.7	1,256	4,569
Other Products	58	4.7	4,482	8,343
Electric Power & Gas	17	11.5	6,966	11,410
Land Transportation	39	12.2	4,324	10,804
Marine Transportation	19	4.0	523	914
Air Transportation	5	3.3	476	1,039
Warehousing & Harbor Transportation Services	25	1.4	572	471
Communication	6	0.1	7,395	63,969
Wholesale Trade	134	15.3	6,972	20,384
Retail Trade	114	9.5	6,555	28,357
Banks	97	60.5	32,673	44,568
Securities	23	9.1	3,297	9,358
Insurance	14	7.1	2,761	4,410
Other Financing Business	27	2.5	3,255	9,007
Real Estate	34	4.8	2,118	2,880
Services	99	4.0	3,953	29,173
<b>Total</b>	<b>1,892</b>	<b>356.2</b>	<b>179,244</b>	<b>456,840</b>

Note: Shareholders' equity is based on the figures of domestic companies whose full 12-month business year ended during business year 1998

### 30 Leading Domestic Companies on the TSE

Rank	No. of Shareholders (thousands)	Shareholders' Equity (¥ bil.)	Market Value (¥ bil.)
1	NIPPON TELEGRAPH AND TELEPHONE 1,383	TOYOTA MOTOR 4,923	NTT Mobile Communications Network 37,633
2	Tokyo Electric Power 690	NIPPON TELEGRAPH AND TELEPHONE 4,907	TOYOTA MOTOR 18,615
3	NIPPON STEEL 447	Bank of Tokyo-Mitsubishi 2,886	SEVEN-ELEVEN JAPAN 13,429
4	Kansai Electric Power 396	Dai-ichi Kangyo Bank 2,404	NIPPON TELEGRAPH AND TELEPHONE 13,053
5	TOSHIBA 346	Matsushita Electric Industrial 2,376	SONY 12,531
6	Mitsubishi Heavy Industries 299	Fuji Bank 2,321	SOFTBANK 10,744
7	Chubu Electric Power 296	Sakura Bank 2,223	FUJITSU 9,064
8	Hitachi 287	Sanwa Bank 2,105	Bank of Tokyo-Mitsubishi 6,657
9	Central Japan Railway 256	Sumitomo Bank 1,846	NTT DATA 6,591
10	NKK 256	SONY 1,639	HIKARI TSUSHIN 6,341
11	East Japan Railway 244	Industrial Bank of Japan 1,623	Matsushita Electric Industrial 5,836
12	Sumitomo Metal Industries 229	Tokai Bank 1,611	MURATA MANUFACTURING 5,767
13	Mitsubishi Electric 218	Hitachi 1,602	Hitachi 5,474
14	West Japan Railway 211	Tokyo Electric Power 1,491	Matsushita Communication Industrial 5,080
15	Kobe Steel 202	NISSAN MOTOR 1,477	ROHM 5,043
16	Tohoku Electric Power 191	NTT Mobile Communications Network 1,477	KYOCERA 5,043
17	JAPAN AIRLINES 188	JAPAN TOBACCO 1,394	ITO-YOKADO 4,614
18	SANYO ELECTRIC 175	Asahi Bank 1,372	Takeda Chemical Industries 4,490
19	Kawasaki Steel 160	Fuji Photo Film 1,263	Sumitomo Bank 4,394
20	TOKYO GAS 157	Nomura Securities 1,242	NEC 3,964
21	OSAKA GAS 157	Mitsubishi Heavy Industries 1,151	Tokyo Electric Power 3,706
22	Nomura Securities 156	FUJITSU 1,070	HONDA MOTOR 3,702
23	Kyushu Electric Power 139	Kansai Electric Power 1,068	Nomura Securities 3,621
24	SONY 135	HONDA MOTOR 1,065	Sanwa Bank 3,608
25	Matsushita Electric Industrial 133	TOSHIBA 1,056	CANON 3,537
26	TAISEI 132	DENSO 946	Fuji Bank 3,419
27	Shikoku Electric Power 131	CANON 943	DDI 3,184
28	FUJITSU 129	NEC 940	FANUC 3,116
29	FANUC 128	Daiwa Bank 938	Dai-ichi Kangyo Bank 2,981
30	Kinki Nippon Railway 126	Chubu Electric Power 890	Sharp 2,945

Note: No. of shareholders and shareholders' equity for business year ending between April 1998 and March 1999, and market value at the end of 1999.

## Newly Listed, Delisted, 1st Section Assigned & 2nd Section Reassigned Companies in 1999

### Number of Newly Listed & Delisted Companies

	Newly Listed	Delisted
1995	32	7
1996	61	7
1997	51	11
1998	57	21
1999	75	30

### Newly Listed Companies in 1999

Company	Date of Listing	Company	Date of Listing
AIPHONE	Jan. 11	Q'SAI	Sept. 28
JEANS MATE	Jan. 11	JAPAN BUSINESS COMPUTER	Oct. 1
COSEL	Jan. 25	SECOM TECHNO SERVICE	Oct. 15
* THE OHTSU TIRE & RUBBER	Feb. 10	WARABEYA NICHIO	Nov. 4
Shinki	Feb. 10	JOINT CORPORATION	Nov. 15
Hakuto	Feb. 16	* NIPPON SYSTEM DEVELOPMENT	Nov. 18
PEOPLE	Feb. 19	NICHIMEN INFINITY	Nov. 19
MARUZEN	Feb. 22	JAC	Nov. 25
SHADDY	Feb. 23	* HOKUTO	Nov. 29
KOMATSU WALL INDUSTRY	Mar. 1	NISHIMATSUYA CHAIN	Nov. 29
Shobunsha Publications	Mar. 5	TOMEN ELECTRONICS	Nov. 29
KTK TELECOMMUNICATIONS ENGINEERING	Mar. 10	KUROGANEYA	Nov. 29
NICHII GAKKAN	Mar. 11	STAMINA FOODS	Dec. 3
TOMY	Mar. 15	Sekiwa Real Estate	Dec. 3
KYODEN	Mar. 18	Hitachi Business Solution	Dec. 3
* TOYODA GOSEI	Mar. 24	MATSUDA SANGYO	Dec. 3
KYORITSU MAINTENANCE	Mar. 24	TAYA	Dec. 6
SANRITSU	Mar. 25	* FANCL	Dec. 7
* NIPPON DENWA SHISETSU	Apr. 5	* DISCO	Dec. 7
KYORIN Pharmaceutical	Apr. 8	GLOBAL-DINING	Dec. 7
NIPPON SYSTEMWARE	Apr. 27	* AVEX	Dec. 8
PARK24	Apr. 28	TSUZUKI DENSAN	Dec. 8
ARGOTECHNOS 21	May. 14	* ITOCHU TECHNO-SCIENCE	Dec. 14
The Yasuda Warehouse	June. 9	* YUSHIN PRECISION EQUIPMENT	Dec. 14
SAIZERIYA	July. 6	MARCHE	Dec. 14
KONDOTEC	July. 16	MATSUYA FOODS	Dec. 14
GOLDCREST	July. 23	Laox	Dec. 16
TOYO BUSSAN	July. 26	U.STORE	Dec. 16
Japan Maintenance	July. 30	IUCHI SEIEIDO	Dec. 17
Daiseki	Aug. 5	TOKYU LIVABLE	Dec. 17
* Matsumotokiyoshi	Aug. 12	SANKO	Dec. 20
* ENIX	Aug. 18	Daiko Shoken Business	Dec. 22
FUSO DENTSU	Aug. 30	** Liquid Audio Japan	Dec. 22
* ASAHI SOFT DRINKS	Aug. 31	** Internet Research Institute	Dec. 22
* HIKARI TSUSHIN	Sept. 2	KOHSOKU	Dec. 24
SPACE	Sept. 2	CANON COPYER SALES	Dec. 24
ZENSHO	Sept. 10	HIMARAYA	Dec. 27
ALOKA	Sept. 16		

\* a company listed directly on the 1st Section

\*\* a company listed on Mothers

### Delisted Companies in 1999

Company	Date of Delisting	Reason
JDC CORPORATION	Mar. 2	Corporate reorganization
Settsu Corporation	Mar. 25	Merger
MITSUBISHI OIL COMPANY, LIMITED.	Mar. 25	Merger
NOZAKI & CO.,LTD.	Mar. 25	Merger
National Securities Company, Limited	Mar. 25	Merger
NAVIX LINE, LTD	Mar. 25	Merger
TOA STEEL CO., LTD.	Apr. 1	Suspension of business activities
NIKKO ELECTRIC INDUSTRY CO., LTD.	Jul. 10	Corporate reorganization
Sasaki Glass Co., Ltd.	Jul. 27	Corporate reorganization
The Tokyo Sowa Bank,Ltd.	Sept. 13	Corporate reorganization
TOKYO TANABE CO., LTD.	Sept. 24	Merger
Tokyo Aluminum K.K.	Sept. 24	Merger
Nippon Electric industry Co., Ltd.	Sept. 24	Merger
CHUO SUBARU INC.	Sept. 24	Merger
KDK CORPORATION	Oct. 1	Merger
TACHIKAWA CO., LTD.	Oct. 13	Liquidation
KOKOKU STEEL WIRE, LTD.	Oct. 20	Corporate reorganization
Namihaya Bank, LTD.	Nov. 8	Corporate reorganization
Sony Chemicals Corporation	Dec. 28	Full Subsidization by Parents Company
SONY PRECISION TECHNOLOGY INC	Dec. 28	Full Subsidization by Parents Company
Sony Music Entertainment (Japan) Inc.	Dec. 28	Full Subsidization by Parents Company

### 1st Section Assigned Companies in 1999

Company	Date of Assignment	Company	Date of Assignment
DAISYO CORPORATION	Feb. 1	SHADDY Co., Ltd.	Sept. 1
FAST RETAIRING CO., LTD.	Feb. 1	FUJITSU BUSINESS SYSTEMS LTD.	Sept. 1
KINKI COCA-COLA BOTTLING., LTD.	Jun. 1	SANYO ELECTRIC CREDIT CO., LTD.	Sept. 1
CTI Engineering Consultants Co., Ltd.	Jun. 1	CREDIA CO., LTD.	Sept. 1
SHOHKOH FUND & CO., LTD.	Jul. 1	NISSAN CO., LTD	Sept. 1
IMPACT 21 CO., LTD.	Aug. 2	DATA COMMUNICATION SYSTEM CO., LTD.	Sept. 1
YAMATO SETSUBI CONSTRUCTION CO., LTD.	Sept. 1	Japan Information Processing Service Co., Ltd.	Sept. 1
WORLD CO., LTD.	Sept. 1	NAC CO., LTD.	Sept. 1
SANIX INCORPORATED	Sept. 1	KITAZAWA SANGYO CO.,	Sept. 1
ROUND ONE Corporation	Sept. 1	TEIKOKU PISTON RING CO., LTD.	Oct. 1
Foster Electric Company, Limited	Sept. 1	BELSYSTEM24 INC.	Nov. 1
Roland Corporation LTD	Sept. 1		

### 2nd Section Reassigned Companies in 1999

None

## Foreign Companies Listed on the TSE (End of February 2000)

	Date of Listing		Date of Listing
<b>(Australia) (2)</b>		<b>(United Kingdom) (5)</b>	
National Australia Bank L.T.D	Sept. 6, 1985	BARCLAYS PLC	Aug. 1, 1986
Westpac Banking Corp.	May 9, 1986	BP Amoco plc	Aug. 28, 1987
<b>(Canada) (1)</b>		BRITISH TELECOMMUNICATIONS PLC	May 30, 1986
THE TORONTO-DOMINION BANK	May 13, 1986	National Westminster Bank PLC	Oct. 18, 1988
<b>(France) (2)</b>		PENINSULAR & ORIENTAL STEAM	
Alcatel	Dec. 20, 1988	NAVIGATION (P & O)	Dec. 22, 1987
Société Générale	Feb. 15, 2000	<b>(U.S.A.) (16)</b>	
<b>(Germany) (8)</b>		AFLAC Inc.	Dec. 17, 1987
Bayer AG	Oct. 26, 1988	AMERICAN INTERNATIONAL GROUP, INC.	Sept. 18, 1987
COMMERZBANK AG	Oct. 1, 1986	Apple Computer, Inc.	Sept. 18, 1990
DaimlerChrysler AG	Nov. 18, 1998	ARCHER-DANIELS-MIDLAND Company	Jan. 19, 1988
Deutsche Bank AG	Nov. 9, 1989	The Boeing Company	Oct. 5, 1990
Deutsche Telekom AG	Nov. 19, 1996	THE DOW CHEMICAL COMPANY	Dec. 18, 1973
DRESDNER BANK AG	Oct. 24, 1985	ELI LILLY AND COMPANY	Nov. 20, 1986
Hoechst AG	Oct. 23, 1991	GTE Corp.	Sept. 29, 1989
VOLKSWAGEN AG	Dec. 2, 1988	IBM Corp.	Nov. 27, 1974
<b>(Hong Kong) (1)</b>		J. P. Morgan & Co. Incorporated	Sept. 30, 1987
Henderson Land Development		Merrill Lynch & Co., Inc.	Nov. 18, 1986
Company L.T.D	Feb. 5, 1997	MOTOROLA, Inc.	Nov. 10, 1988
<b>(Malaysia) (1)</b>		Bank of America Corporation	Sept. 28, 1998
YTL Corporation Berhad	Feb. 29, 1996	PepsiCo, Inc.	Nov. 13, 1986
<b>(Netherlands) (1)</b>		PHILIP MORRIS COMPANIES INC.	Oct. 16, 1985
AEGON N.V.	Oct. 4, 1988	THE PROCTER & GAMBLE COMPANY	May 28, 1986
<b>(Spain) (2)</b>			
Banco Santander Central Hispano, S.A.	Jan. 25, 1990		
Telefonica, S.A.	Oct. 4, 1985		
<b>(Sweden) (1)</b>			
Aktiebolaget Volvo	Dec. 12, 1986		
<b>(Switzerland) (3)</b>			
Credit Suisse Group	Feb. 18, 1988		
Nestlé S.A.	Nov. 12, 1991		
UBS AG	June 30, 1998		

Total: 43 companies

## Business Results and Profit Distribution

The table below shows results and distribution of profits of 2,399 domestic companies (including financial and insurance companies) listed on the stock exchange throughout Japan. Total liabilities and net worth of the companies decreased to 1,256 trillion yen in 1998, down 7.4% over the preceding year. Shareholders' equity amounted to 178 trillion yen (up 3.5%) . As a result, the shareholder's equity ratio went up to 14.2%.

As for earnings, current profits decreased to -3.5 trillion yen for 2<sup>nd</sup> year in row. As a result, the ratio of Current Profits to shareholders went to -2.04% (down 0.84%).

The amount of Cash Dividends decreased by 6.7% to 2.8 trillion. The ratio of Cash Dividends to shareholder's equity decreased to 1.63% (down 0.14%).

### Business Results and Distribution of Profits (All Non-Financial Listed Companies)

Fiscal Year		1992	1993	1994	1995	1996	1997	1998
No. of Companies		2,103	2,153	2,184	2,267	2,319	2,374	2,399
Total Liabilities & New Worth	(¥ trils.) A	1,315	1,311	1,299	1,303	1,348	1,356	1,256
Amount of Shareholders' Equity	(¥ trils.) B	159.3	163.7	161.3	165.4	174.2	172.3	178.3
Shareholders' Equity Ratio	(%) A/B	12.1	12.4	12.4	12.6	12.9	12.7	14.2
Current Profits	(¥ trils.) C	5.0	4.1	3.2	-0.6	4.9	-2.0	-3.5
Amount of Cash Dividends	(¥ trils.) D	2.9	2.7	2.6	2.8	3.0	3.0	2.8
Divident Payout Ratio	(%) D/C	58.18	66.27	82.91	-	60.84	-	-
Ratio of Current Profits to Shareholder's Equity	(%) C/B	3.19	2.58	2.03	-0.4	2.9	-1.2	-2.04
Ratio of Dividends to Shareholders' Equity	(%) D/B	1.85	1.71	1.68	1.71	1.77	1.77	1.63

## Awards for Listed Companies

As a measure to increase investments in shares, TSE gives awards to listed companies which are considered to:

1. have made excellent achievements in profit returns to the shareholders or have increased their shares' liquidity, by means of continuous dividend increase for a considerable period of

time, split-ups of shares, reducing the minimum tradable unit of their shares (awarded every September)

2. have made excellent corporate disclosure (awarded every January)
3. have taken other special measures to satisfy their shareholders and investors

### 1. Name of Companies Awarded for Continuous Increase in Dividend and Reduction of the Minimum Tradable Unit of Shares (8th Award, September 1999)

Continuous Increase in Dividend Award	Period of Increase (years)
KTK Telecommunications Engineering	7
Advantest	5
Daimei Telecom Engineering	5
HOYA	5
Ministop	5
Misumi	5
Ohmori	5
Promise	5
Sankyo	5
Sanyo Shinpan Finance	5
Sato	5

Reduction of the Minimum Tradable Unit of Shares Award	Increase in the Number of Shareholders (times)
NTT Data	4.49
Hamamatsu Photonics	3.97
Mycal Hokkaido	3.13
Tokyo Seimitsu	2.77
Data Communication System	2.73
Fontaine	2.65
Round One	2.45

### 2. Name of Companies Awarded for Excellent Corporate Disclosure (5th Award, January 2000)

Fujisawa Pharmaceutical, Hitachi Maxell, Honda Motor, Kagome, Ricoh Leasing, Softbank

## Financing

### Equity Financing

The amount of funds raised by all the listed companies in 1999 increased by 8,537 billion yen to 10,077 billion yen while the number of cases increased by 133 to 221.

The amount raised through preferred shares increased sharply by 6,528 billion yen to 6,999 billion yen. This increase mainly reflects the large-scale injection of capital to major banks by the government.

Private placements also showed a sharp increase, up by 1,748 billion yen to 2,444 billion yen, mainly due to corporate collaborations and financial restructuring.

Public offerings increased by 86 billion yen to 370 billion yen, a reflection of the stock market recovery.

Exercise of warrants raised 262 billion yen, a 174 billion yen increase.

### Equity Financing (All Listed Companies)

	Rights Offerings		Public Offerings		Preferred Shares		Private Placements		Exercise of Warrants		Total
	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	Amount Raised (¥ bil.)
1995	12	95	8	33	1	50	19	160	118	299	638
1996	9	337	36	305	5	539	20	218	187	673	2,073
1997	9	72	26	128	2	223	19	369	88	368	1,162
1998	1	0	12	284	5	471	35	696	35	88	1,540
1999	—	—	35	370	26	6,999	86	2,444	74	262	10,077
Jan.	—	—	1	2	1	244	2	270	15	6	524
Feb.	—	—	3	22	—	—	2	5	18	2	30
Mar.	—	—	2	5	16	6,389	19	748	26	11	7,155
Apr.	—	—	—	—	—	—	3	23	36	12	36
May	—	—	2	80	—	—	5	605	32	3	589
June	—	—	4	23	—	—	4	33	40	47	105
July	—	—	1	11	1	53	8	112	47	59	236
Aug.	—	—	1	32	1	42	7	45	44	16	137
Sept.	—	—	7	54	4	195	15	380	47	38	668
Oct.	—	—	2	56	—	—	9	55	36	25	138
Nov.	—	—	4	26	1	30	3	40	40	20	117
Dec.	—	—	8	54	2	44	9	122	33	16	238

## Debt Financing

The amount of funds raised in the domestic market by public offerings of bonds in 1999 increased by 13,991 billion yen to 115,976 billion yen.

By sectors, government bonds increased by 17,246 billion yen to 102,050 billion yen. Of the total amount of government bonds, long-term bonds decreased by 4,386 billion yen to 36,133 billion yen, medium-term bonds increased by 7,213 billion

yen to 12,734 billion yen, and discount notes and bills also increased by 14,419 billion yen to 53,182 billion yen.

Corporate bonds other than electric power bonds decreased by 4,539 billion yen to 5,780 billion yen. The amount of publicly offered convertible bonds increased by 455 billion yen to 528 billion yen.

### New Issues by Public Offerings

(¥ bills.)

	Interest-Bearing Govt. Bonds		Discount Govt. Notes & Bills	Municipal Bonds	Govt. Guaranteed Bonds	Corporate Bonds		Yen-denominated Foreign Bonds	Convertible Bonds	Total
	Long Term	Medium Term				Elec. Power	Others			
1995	26,169	6,478	33,030	1,967	2,952	1,625	3,421	1,616	737	77,998
1996	32,205	5,576	34,437	1,893	3,106	1,515	4,631	3,923	3,289	90,578
1997	27,139	4,618	36,065	1,852	2,939	1,555	4,971	2,145	262	81,549
1998	40,520	5,521	38,763	1,722	2,271	2,465	10,319	329	73	101,985
1999	36,133	12,734	53,182	1,998	2,966	1,718	5,780	935	528	115,976
Jan.	5,311	230	4,248	158	232	80	195	131	25	10,611
Feb.	3,703	1,135	4,199	168	360	50	442	–	50	10,108
Mar.	6,568	527	4,222	110	412	160	470	45	66	12,582
Apr.	2,239	1,557	4,499	175	380	360	444	34	–	9,689
May	2,615	549	4,548	145	350	210	520	–	–	8,938
June	1,640	1,547	5,404	112	130	180	844	13	36	9,907
July	3,294	648	4,247	139	150	120	470	81	55	9,208
Aug.	1,640	1,660	3,999	165	120	20	379	80	–	8,064
Sept.	2,845	649	4,675	197	160	235	464	81	176	9,484
Oct.	2,219	1,745	4,199	202	210	–	654	80	20	9,330
Nov.	2,645	737	4,248	208	261	178	544	74	–	8,896
Dec.	1,410	1,745	4,689	219	200	125	351	315	100	9,154

Note: Those issued in foreign countries are excluded.

No bonds with stock subscription warrants issued since 1992.

Source: Bank of Japan, Japan Securities Dealers Association.

## Bond Trading Activities

### Bond Trading Volume and Yields

Total trading volume of TSE bonds (domestic bonds and yen-denominated foreign bonds ("Samurai Bonds")) and the over-the-counter (OTC) markets in Tokyo (TSE volume × 2 + OTC volume) was 3,846 trillion yen in 1999, increasing by 1,223

billion yen compared with the previous year.

In addition, foreign convertible bonds are listed on the TSE (see P.37).

### Total Bond Volume (Par Value)

(¥ bil.)

	No. of Listed Issues	TSE Markets			Total	Tokyo OTC Markets		Market Yields of Longest Government Bonds(%)
		Government Bonds	Convertible Bonds	Yen denominated		"Repos"	Total	
1995	1,325	4,532	15,565	122	20,227	2,201,199	4,012,696	3.19
1996	1,311	5,497	13,245	132	18,881	1,694,531	3,182,822	2.76
1997	1,134	4,407	11,652	81	16,148	1,759,174	3,385,793	1.91
1998	956	1,856	6,672	23	8,557	1,081,054	2,606,794	2.16
1999	840	28	5,045	3	5,078	2,272,418	3,836,749	1.65
Jan.	956	2	374	0.8	378	73,783	187,071	2.07
Feb.	952	2	346	0.5	349	104,798	229,107	1.99
Mar.	854	3	609	0.2	612	174,939	302,942	1.69
Apr.	854	2	729	0.3	732	179,502	338,263	1.38
May	852	2	422	0.3	425	202,423	342,373	1.45
June	845	2	471	0.3	474	252,142	418,512	1.90
July	847	2	384	0.1	387	231,894	368,601	1.76
Aug.	845	1	316	0.3	319	236,623	368,367	1.93
Sept.	835	2	355	0.0	357	211,975	342,781	1.60
Oct.	838	1	359	0.2	361	225,577	357,413	1.81
Nov.	838	2	369	0.1	372	233,238	343,167	1.82
Dec.	840	1	305	0.1	307	145,523	238,151	1.65

Notes: 1. Foreign currency-denominated foreign bonds and foreign convertible bonds are excluded.

2 "Others" include municipal, government-guaranteed, NTT and industrial bonds and bank debentures.

3. "Tokyo OTC Markets" volume is a total of sales and purchases in all sorts of bonds including convertibles.

4. "Repos" are sales of bonds with repurchase agreements, called "gensaki" in Japanese.

5. Yields of government bonds calculated by simple interest method based on price of TSE markets.

### **Net Purchases by Investment Sectors**

The table below shows net figures of transactions (excluding "Repos") in bonds by investment sectors, handled by major securities companies.

#### **Net Purchases of Bonds by Investment Sectors (Excluding "Repos")**

( ¥ bills.)

	1995	1996	1997	1998	1999
City Banks	-4,305	-6,020	-676	-4,412	4,311
Regional Banks	-730	-1,184	-355	747	1,154
Long-Term Credit Banks	-6,126	-1,954	-1,573	-1,398	-3,059
Trust Banks	6,540	5,809	2,157	4,448	11,036
Agricultural Financial Institutions	1,873	2,477	3,278	6,088	4,452
Other Financial Institutions	3,086	5,526	3,483	5,085	11,589
Insurance Companies	9,389	3,666	2,018	1,217	7,368
Investment Trusts	5,615	3,361	1,768	1,754	8,759
Mutual Aid Assns. of Govt. Officials	1,117	1,094	921	676	632
Business Corporations & Other Institutions	4,247	4,675	4,684	3,523	5,633
Foreigners	21,894	23,005	31,981	28,894	23,182
Individuals	791	562	285	892	634
Others	-28,963	-25,204	-30,853	-28,675	-68,467
Bond Dealers	-1,023	-2,859	-1,983	-3,305	-3,248
<b>Total</b>	<b>13,403</b>	<b>12,955</b>	<b>15,848</b>	<b>15,537</b>	<b>3,973</b>

Source: Japan Securities Dealers Association

## TSE Convertible Bond Volume

### Net Purchases of Convertible Bonds (Par Value)

(¥ bills.)

	1995	1996	1997	1998	1999
Members' Accounts	2,015.7	1,426.1	894.0	210.4	327.1
Individuals	-1,426.4	-1,412.4	-599.0	-201.0	-556.0
Investment Trusts	-267.7	-125.0	-65.6	-48.1	-3.5
Business Corporations	62.9	-121.4	297.1	207.9	11.4
Insurance Companies	48.1	24.4	137.4	182.3	-6.3
Banks	-213.9	-339.1	-1,153.1	-604.4	-202.7
Foreigners	-12.3	761.7	790.3	315.6	672.5
Others	-174.6	-180.9	-309.5	-82.3	-243.2
<b>Total</b>	<b>31.7</b>	<b>33.2</b>	<b>-8.4</b>	<b>-19.5</b>	<b>-0.6</b>

### TSE Convertible Bond Trading Volume

(¥ bills., %)

During or End of	No. of Listed Issuers	No. of Listed Issues	Amount Listed (par value)	Total Market Value	Trading Volume (par value)	Trading Value	Turnover Ratio
1995	570	1,096	18,501	18,995	15,565	15,400	83.4
1996	584	1,110	19,910	20,091	13,245	13,855	69.0
1997	534	959	17,410	17,251	11,652	12,063	62.4
1998	476	802	14,694	14,782	6,672	6,810	41.6
1999	442	693	12,091	15,032	5,045	5,565	37.7
Jan.	477	803	14,603	14,751	374	382	2.6
Feb.	475	798	14,572	14,743	346	343	2.4
Mar.	438	701	12,294	13,181	609	637	4.5
Apr.	439	702	12,290	13,373	729	790	5.9
May	438	700	12,247	13,317	422	451	3.4
June	437	696	12,181	13,594	471	524	3.9
July	438	697	12,155	13,850	384	455	3.2
Aug.	439	694	12,077	13,648	316	366	2.6
Sept.	436	687	12,073	13,780	355	406	2.9
Oct.	436	689	12,080	13,819	359	400	3.0
Nov.	436	688	12,051	14,207	369	436	3.1
Dec.	442	693	12,091	15,032	305	369	2.5

Note: Excluding foreign convertible bonds (yen-denominated: 1 issue, foreign currency-denominated: 1 issue)

## TSE Foreign Bonds (Excluding Yen-denominated Foreign Bonds)

	Foreign Currency-denominated Foreign Bonds		Foreign Convertible Bonds	
	No. of Issues	Trading Value (¥ mils.)	No. of Issues	Trading Value (¥ mils.)
1995	2	286	2	7,240
1996	0	0	2	1,419
1997	0	0	2	1,732
1998	0	0	1	1,262
1999	0	0	0	0

## Bonds Traded with Repurchase Agreements ("REPOS")

### Open Interest of Buying & Selling on "Repos" by Investment Sectors

(¥ bilis.)

End of Year	1997		1998		1999	
	Purchased	Sold	Purchased	Sold	Purchased	Sold
City Banks	2.7	0.0	0.0	0.0	0.7	52.3
Regional Banks	10.1	0.0	5.0	0.0	0.0	0.0
Long-Term Credit Banks	0.0	0.0	11.7	0.0	0.0	0.0
Trust Banks	128.7	0.0	31.5	0.0	53.0	0.0
Agricultural Financial Institutions	3.9	0.0	31.4	16.0	22.3	0.0
Other Financial Institutions	176.5	386.5	295.0	101.2	420.1	925.4
Insurance Companies	4.7	0.0	2.7	0.0	2.9	0.0
Investment Trusts	15.9	0.0	1,986.1	0.0	48.7	0.0
Mutual Aid Assns. of Govt. Officials	3.4	0.0	2.4	0.0	6.2	0.0
Business Corporations & Others	98,726.3	282.7	8,552.8	1,062.6	17,254.0	869.8
Foreigners	498.4	0.0	475.2	0.0	2,221.9	78.4
Bond Dealers	408.9	9,310.3	122.7	10,336.7	768.8	18,872.7
<b>Total</b>	<b>9,979.5</b>		<b>11,516.5</b>		<b>20,798.6</b>	

Source: Japan Securities Dealers Association

## Trading Specifications

As of April 2000

	Government Bonds	
	Block Trade (¥10 million or more)	Others
Trading Hours	9:00 a.m.~11:00 a.m. 12:30 p.m.~ 3:00 p.m.	1:00 p.m.~1:30 p.m. (Batch auction) [9:30 a.m.~10:00 a.m. on half-day trading]
Trading Unit	¥1 million in par value	¥100 thousand in par value
Orders Minimum Fluctuation Type of Orders	Interest rate or Price 0.001% or ¥0.01 per ¥100 in par value Limit order	Price ¥0.01 per ¥100 in par value Limit order and market order
Trading Method	Auction	do.
Type of Transactions and Settlement Day	T+3	*

	Corporate Bonds, Bank Debentures, Municipal Bonds and Government Associated Organization Bonds	Convertible Bonds
Trading Hours	10:30 a.m.~11:00a.m. (Batch auction)	9:00 a.m.~11:00 a.m. 12:30 p.m.~ 3:00 p.m.
Trading Unit	¥1 million or ¥ 10 milion in par value	¥100 thousand, ¥500 thousand or ¥1 million in par value
Orders Minimum Fluctuation Type of Orders	Price ¥0.01 per ¥100 in par value Limit order and market order	Price ¥0.1 per ¥100 in par value Limit order and market order
Trading Method	Auction	do.
Type of Transactions and Settlement Day	*	*

- \* • Cash (T+0)  
• Regular way (T+3)

Note: Clearing and settlement are done through the Japan Securities Clearing Corporation (JSCC, a subsidiary of the TSE).

(As of April 2000)

Yen-Denominated Foreign Bonds		Foreign Currency-Denominated Foreign bonds
Block Trade (¥10 million or more)	Others	
9:00 a.m.~11:00 a.m. 12:30 p.m.~ 3:00 p.m.	1:30 p.m.~2:00 p.m. (Batch auction) [10:00 a.m.~10:30 a.m. on half-day trading]	1:30 p.m.~2:00 p.m. (Batch auction) [10:00 a.m.~10:30 a.m. on half-day trading]
¥1 million in par value	¥100 thousand or ¥1 million in par value	Minimum denominations of each bond
Price ¥0.01 per ¥100 in par value Limit order	Price ¥0.01 per ¥100 in par value Limit order and market order	Price 0.01 point per 100 points Limit order and market order
Auction	do.	do.
T+3	*	*

Bonds with Warrants	Warrants
9:00 a.m.~11:00 a.m. 12:30 p.m.~ 3:00 p.m.	9:00 a.m.~11:00 a.m. 12:30 p.m.~ 3:00 p.m.
¥500 thousand or ¥1 million in par value	1 warrant
Price ¥0.05 per ¥100 in par value Limit order and market order	Price ¥0.05 per ¥100 in par value Limit order and market order
Auction	do.
*	*

## Listing Regulations

### Bond Listing & Delisting Criteria

(As of April,2000)

	Listing Criteria	Delisting Criteria
Government Bonds	Take the criteria of Corporate Bonds into account (*1) (Criterion of "listed company" is not applicable to Government Bonds)	a. Outstanding in par value is: • less than ¥300 mil.; or • less than 20% of that of the listing date b. Acceleration of maturity
Yen-denominated Foreign Bonds	(Corporate Bonds) Listed company or unlisted company whose financial conditions are considered equivalent to those of listed companies; and a. ¥1 bil. or more outstanding in par value b. 10% or more of the total amount issued or to be issued in the form of certificate c. Expected to be 1,000 bondholders or more by the time of listing d. 3 years or less from the issuing (Other Bonds) (*2)	a. Outstanding in par value is: • less than ¥300 mil.; or • less than 20% of that of the listing date b. Less than 1 year to maturity c. Acceleration of maturity
Foreign Currency-denominated Foreign Bonds	Take the criteria of Yen-denominated Foreign Corporate Bonds into account (*2) (Total amount issued is measured by the latest exchange rate as of the application date in principle)	do.
Corporate Bonds	Listed company; and a. ¥1 bil. or more outstanding in par value b. 10% or more of the total amount issued or to be issued in the form of certificate c. Expected to be 1,000 bondholders or more by the time of listing d. 3 years or less from the issuing e. Bond certificate: must be prepared in accordance with the designated form by the TSE (*1)	do.
Other Straight Bonds	Take the criteria of Corporate Bonds into account (*1)	do.
Convertible Bonds & Bonds with Warrants	Listed company; and a. ¥2 bil. or more outstanding in par value b. Expected to be 1000, 2000, 3000 bondholders or more (depending on total issued amount in par value) by the time of listing c. Bond certificate: must be prepared in accordance with the designated form by the TSE	a. Total amount listed in par value: less than ¥300 mil. b. Expiration of exercise period c. Monthly average volume: less than ¥ 1 mil. d. Acceleration of maturity
Warrants	Listed company; and a. Total No. of warrants issued: 4,000 or more b. Expected to be 1000, 2000, 3000 bondholders or more (depending on total issued amount in par value) by the time of listing c. Bond certificate: must be prepared in accordance with the designated form by the TSE	a. Total No. of warrants listed: less than 300 b. Expiration of exercise period c. Acceleration of maturity

## Initial Listing Fees

As of April, 2000

### Initial Listing Fees

Straight Bonds	Terms to Maturity (less than 10 years)	¥300,000 per issue (if the issuer's stock is not listed on TSE, ¥800,000 for the first issue. From the second listing and on, ¥300,000 per issue.)
	Terms to Maturity (10 years or more)	¥400,000 per issue (if the issuer's stock is not listed on TSE, ¥900,000 for the first issue. From the second listing and on, ¥400,000 per issue.)
Japanese Government Bond		¥150,000 per issue
Convertible Bonds & Bonds with Warrants		4.5/10,000 of listed amount in par value
Warrants		4.5/10,000 of listed amount (the total value of the shares to be issued by exercises)

## Annual Listing Fees

As of April, 2000

### Annual Listing Fees

Straight Bonds	If the issuer's stock is: (1) Listed on TSE; ¥100,000 for one issue and ¥50,000 for each additional issues (2) Not listed on TSE; ¥200,000 for one issue and ¥50,000 for each of other issues
Convertible Bonds	Out of the listed amount in par value (in the case of warrants, out of the listed amount): (1) ¥500,000 for the amount of ¥500 million or less; (2) ¥70,000 for each ¥250 million or fraction thereof in excess of ¥500 million to ¥5 billion;
Bonds with Warrants	(3) ¥70,000 for each ¥2.5 billion or fraction thereof in excess of ¥5 billion to ¥50 billion;
Warrants	(4) ¥70,000 for ¥25 billion or fraction thereof in excess of ¥50 billion.

## Derivative Markets in TSE

TSE's derivatives markets have grown in leaps and bounds in its short 15-year history, and will continue to do so to meet the ever diversifying needs of investors. Existing products and systems are regularly updated

and revised to further enhance the tools available to market practitioners. Outlined below are the key developments in this growing markets.

### Introduction of New Products, etc.

- \* October 19, 1985 10-year Japanese Government Bond (JGB) futures
- \* July 8, 1988 20-year JGB futures
- \* September 3, 1988 TOPIX (Tokyo Stock Price Index) futures
- \* October 20, 1989 TOPIX options
- \* May 11, 1990 Options on JGB futures
- \* February 16, 1996 5-year JGB futures
- \* May 16, 1997 TOPIX futures calendar spread transactions
- \* July 18, 1997 Equity options (20 underlying stocks)
- \* November 14, 1997 Underlying stocks for equity options increased to 30
- \* January 23, 1998 first TOPIX Sector Index (TOPIX Electric Appliances Index) futures
- \* March 13, 1998 TOPIX Transportation Equipment Index futures
- \* April 10, 1998 TOPIX Banks Index futures
- \* October 5, 1998 TOPIX futures off-hour cross trading
- \* March 12, 1999 Underlying stocks for equity options increased to 100
- \* May 8, 2000 revised 5-year JGB futures
- \* August 2000 JGB futures calendar spread transactions

### Modifications, etc.

- \* September 8, 1989 settlement prices based on opening prices of TOPIX stocks on day after last trading day of each contract month
- \* April 26, 1990 disclosure of program trading index arbitrage information
- \* December 10, 1993 disclosure of TOPIX futures trading volume & open interests of members
- \* February 14, 1994 TOPIX futures & options "circuit breakers"
- \* January 4, 1995 guidelines against market manipulation & customer front-running
- \* October 29, 1997 modifications to margin & mark-to-the-market regulation, including segregation of margin
- \* November 14, 1997 modifications to TOPIX options contract specifications, including change of exercise type from American to European
- \* November 20, 1997 serial contract months for Options on JGB futures
- \* January 23, 1998 modifications to TOPIX futures contract specifications, including reduction of minimum fluctuation
- \* November 30, 1998 modifications to margin & mark-to-the-market regulations, including earlier settlement & margin deposit deadline
- \* December 1, 1999 earlier start to TOPIX futures off-hour-crossing trading
- \* December 1, 1999 review of JGB futures calendar months & trading period
- \* April 1, 1999 reduction in fixed rate fees for equity options
- \* May 20, 1999 more detailed exercise price scales for Options on JGB futures
- \* July 27, 1999 "No-Action" letter from US SEC for Equity and TOPIX options
- \* September 2000 planned introduction of JGB futures evening session
- \* October 2000 planned introduction of SPAN<sup>®</sup>

## Trading Activities & Contract Specifications

### TOPIX Futures Market

#### Trading Volume, Trading Value and Open Interest of TOPIX Futures

	Number of Contracts	(Calendar Spread)	Daily Average	Trading Value (¥ mils.)	Open Interest
1995	2,745,614		11,027	38,103,379	100,998
1996	2,857,272		11,568	45,808,336	101,006
1997	3,035,724	(395,012)	12,391	42,173,930	127,632
1998	2,726,985	(660,434)	11,040	32,073,283	98,355
1999	3,157,441	(636,962)	12,888	44,046,761	113,580
Jan.	177,982	( 162)	9,367	1,920,844	109,628
Feb.	154,467	( 9,288)	8,130	1,707,100	112,819
Mar.	462,401	(140,908)	21,018	5,439,753	95,376
Apr.	192,073	( 1,390)	9,146	2,545,582	105,813
May	172,888	( 31,542)	9,605	2,279,264	122,253
June	382,082	(132,004)	17,367	5,166,226	104,346
July	152,985	( 4)	7,285	2,246,424	113,489
Aug.	184,472	( 12,702)	8,385	2,716,603	125,663
Sept.	375,977	(137,934)	18,799	5,604,222	103,916
Oct.	207,797	( —)	10,390	3,149,383	109,840
Nov.	250,502	( 6,662)	12,525	4,057,216	129,102
Dec.	443,815	(164,366)	21,134	7,214,138	113,580

#### Trading Volume by Types of Investors

	(contracts, %)			
	1996	1997	1998	1999
Securities Companies	3,744,464( 66.4)	3,192,365( 53.4)	2,215,916( 40.8)	2,983,943( 46.9)
Banks	407,335( 7.2)	667,080( 11.2)	829,350( 15.3)	1,023,094( 16.1)
Insurance Companies	11,215( 0.2)	26,668( 0.5)	104,222( 1.9)	244,035( 3.8)
Other Financial Institutions	1,863( 0.0)	3,295( 0.1)	3,043( 0.1)	463( 0.0)
Investment Trusts	280,377( 5.0)	300,885( 5.0)	211,305( 3.9)	197,953( 3.1)
Business Corporations	3,450( 0.1)	2,921( 0.1)	1,680( 0.0)	1,316( 0.0)
Other Corporations	695( 0.0)	134( 0.0)	238( 0.0)	311( 0.0)
Individuals	4,850( 0.1)	692( 0.0)	751( 0.0)	571( 0.0)
Foreigners	1,186,824( 21.0)	1,786,682( 29.9)	2,064,129( 38.0)	1,912,055( 30.0)
Total	5,641,073(100.0)	5,980,722(100.0)	5,430,634(100.0)	6,364,348(100.0)

Note: Figures are total amount of trading volume of sales and purchases by Regular Members and Special Participants.  
(The amount of agency transactions by non-integrated securities companies are excluded).

\*Trading in TOPIX Futures started on Sept. 3, 1988.

## Contract Specifications for TOPIX Futures

(As of the end of March 2000)

Contract:	TOPIX (Tokyo Stock Price Index).										
Contract months:	March, June, September, December cycle. (five contract months traded at all times)										
Trading unit:	¥10,000 times TOPIX (decimal fractions of TOPIX discarded).										
Minimum fluctuation:	0.5 point of TOPIX.										
Value of minimum move:	¥5,000										
Daily price limit:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Previous day's closing price</td> <td style="width: 40%;"></td> </tr> <tr> <td style="padding-left: 20px;">less than 2,000</td> <td style="text-align: right;">up/down 100 points</td> </tr> <tr> <td style="padding-left: 20px;">2,000 ~ less than 3,000</td> <td style="text-align: right;">150</td> </tr> <tr> <td style="padding-left: 20px;">3,000 ~ less than 4,000</td> <td style="text-align: right;">200</td> </tr> <tr> <td style="padding-left: 20px;">4,000 or more</td> <td style="text-align: right;">250</td> </tr> </table>	Previous day's closing price		less than 2,000	up/down 100 points	2,000 ~ less than 3,000	150	3,000 ~ less than 4,000	200	4,000 or more	250
Previous day's closing price											
less than 2,000	up/down 100 points										
2,000 ~ less than 3,000	150										
3,000 ~ less than 4,000	200										
4,000 or more	250										
Last day of trading:	The business day prior to the second Friday of the month. Trading in a new contract month begins on the business day immediately following the last day of trading.										
Settlement date:	The business day following the second Friday of the month.										
Margin:	(A yen) × (net long/short positions) *A is reviewed quarterly										
Trading hours:	9:00 to 11:00 and 12:30 to 15:10										
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options (CORES-FOP).										
Calendar spread trading	Spread = price of following contract month - price of nearest contract month.										
Off-hour cross trading	<p>Hours: 8:20-9:00, 11:00-12:30, and 15:10-16:00</p> <p>Minimum trading lot: 100 trading units</p> <p>Execution prices: prices that are 97% or more, but 103% or less of the last traded index price</p>										

Note 1 : Calendar spread trading: Bids / offers are given to the spread between 2 contract months, when the sale of one and purchase of another are effected simultaneously.

Note 2 : Off-hour cross trading: Simultaneous sale & purchase of TOPIX futures for the same contract month by a member outside the trading sessions.

## TOPIX Sector Index Futures Market

### Contract Specifications for TOPIX Sector Index Futures

(As of the end of March 2000)

	TOPIX Electric Appliances Index Futures										
Contract:	TOPIX Electric Appliances Index										
Contract months:	March, June, September, December cycle. (five contract months traded at all times)										
Trading unit:	¥10,000 times the index										
Minimum fluctuation:	0.5 point of the index										
Value of minimum move:	¥5,000										
Daily price limit:	<table> <tr> <td>Previous day's closing price</td> <td></td> </tr> <tr> <td>less than 2,000</td> <td>up/down 100 points</td> </tr> <tr> <td>2,000 ~ less than 3,000</td> <td>150</td> </tr> <tr> <td>3,000 ~ less than 4,000</td> <td>200</td> </tr> <tr> <td>4,000 or more</td> <td>250</td> </tr> </table>	Previous day's closing price		less than 2,000	up/down 100 points	2,000 ~ less than 3,000	150	3,000 ~ less than 4,000	200	4,000 or more	250
Previous day's closing price											
less than 2,000	up/down 100 points										
2,000 ~ less than 3,000	150										
3,000 ~ less than 4,000	200										
4,000 or more	250										
Last day of trading:	The business day prior to the second Friday of the month. Trading in a new contract month begins on the business day immediately following the last day of trading.										
Settlement date:	The business day following the second Friday of the month.										
Margin:	(B yen) × (net long/short positions) *B is reviewed quarterly.										
Trading hours:	9:00 to 11:00 and 12:30 to 15:10										
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options (CORES-FOP).										

\*Trading in TOPIX Electric Appliances Index Futures started on Jan. 23, 1998

## Contract Specifications for TOPIX Sector Index Futures(continued)

(As of the end of March 2000)

	TOPIX Banks Index Futures	TOPIX Transportation Equipment Index Futures
Contract	TOPIX Banks Index	TOPIX Transportation Equipment Index
Contract months:	March, June, September, December cycle. (five contract months traded at all times)	Do.
Trading unit:	¥10,000 times the index	Do.
Minimum fluctuation:	0.1 point of the index	0.5 point of the index
Value of minimum move:	¥1,000	¥5,000
Daily price limit:	Previous day's closing price less than 2,000                      up/down 100 points 2,000 ~ less than 3,000              150 3,000 ~ less than 4,000              200 4,000 or more                              250	Do.
Last day of trading:	The business day prior to the second Friday of the month. Trading in a new contract month begins on the business day immediately following the last day of trading.	Do.
Settlement date:	The business day following the second Friday of the month.	Do.
Margin:	(C yen) × (net long/short positions) *C is reviewed quarterly.	(D yen) × (net long/short positions) *D is reviewed quarterly.
Trading hours:	9:00 to 11:00 and 12:30 to 15:10	Do.
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options (CORES-FOP).	Do.

\*Trading in TOPIX Transportation Equipment Index Futures started on March 13, 1998.

Trading in TOPIX Banks Index Futures started on April 10, 1998.

## Japanese Government Bond Futures Market

### Trading Volume and Open Interest of Japanese Government Bond Futures

	Number of Contracts (A)			Daily Average	Open Interest			Cash Market Volume (B) (¥ tril.)	(A)×2×¥100 mil. (B) (%)	
	5-yr.	10-yr.	20-yr.		5-yr.	10-yr.	20-yr.			
1995		14,010,374	2,734	56,278		183,009	150	1,173.6		238.8
1996	261,172	12,450,925	2,242	51,475	2,412	165,740	154	1,070.9		237.4
1997	118,447	11,873,549	2,167	48,956	2,649	149,029	117	1,211.4		198.0
1998	195,207	10,784,966	123	44,455	3,523	158,798	—	1,078.2		203.7
1999	111,975	9,727,855	—	40,163	882	183,567	—	1,126.4		174.7
Jan.	13,545	733,192	—	39,302	4,063	170,519	—	77.7		192.0
Feb.	12,835	956,026	—	50,993	3,589	165,878	—	86.6		223.5
Mar.	19,117	890,452	—	41,344	4,853	124,337	—	82.4		220.8
Apr.	11,337	770,777	—	37,244	4,885	159,136	—	111.6		140.1
May	8,789	895,144	—	50,219	3,282	225,173	—	102.4		176.5
June	14,046	1,294,817	—	59,494	5,838	168,182	—	130.2		200.9
July	10,588	863,820	—	41,638	5,757	188,510	—	99.3		176.1
Aug.	9,924	923,769	—	42,441	491	182,079	—	91.2		204.6
Sept.	6,912	613,144	—	31,003	342	137,521	—	92.8		133.5
Oct.	2,375	661,507	—	33,194	999	162,645	—	101.1		131.3
Nov.	1,365	613,130	—	30,725	1,533	181,758	—	86.4		142.2
Dec.	1,142	512,077	—	24,439	882	183,567	—	64.1		160.0

Note: The cash market volume is the total amount of sales and purchases in Japanese government bonds effected in the Tokyo OTC Market plus 2 × Exchange block trading volume of long-term Japanese government bonds.

### Trading Volume by Types of Investors

	(contracts, %)			
	1996	1997	1998	1999
Securities Companies	11,829,002( 47.3)	10,983,789( 46.9)	8,591,287( 41.3)	7,469,893( 40.1)
Banks	9,031,829( 36.1)	7,857,765( 33.6)	8,025,454( 38.6)	8,180,680( 43.9)
Insurance Companies	168,075( 0.7)	280,862( 1.2)	262,210( 1.3)	238,176( 1.3)
Other Financial Institutions	645,320( 2.6)	367,054( 1.6)	338,663( 1.6)	208,622( 1.1)
Investment Trusts	373,726( 1.5)	284,902( 1.2)	177,961( 0.9)	128,442( 0.7)
Business Corporations	49,693( 0.2)	56,791( 0.2)	52,929( 0.3)	50,841( 0.3)
Other Corporations	36,204( 0.2)	11,056( 0.1)	4,972( 0.0)	4,697( 0.0)
Individuals	8,359( 0.0)	9,263( 0.0)	6,547( 0.0)	5,524( 0.0)
Foreigners	2,877,868( 11.5)	3,546,524( 15.2)	3,325,643( 16.0)	2,350,475( 12.6)
Total	25,020,076(100.0)	23,398,006(100.0)	20,785,666(100.0)	18,637,350(100.0)

Note: Figures are based on reports from members and special participants on their principal transactions and agency transactions. Agency transaction figures are based on reports from integrated securities companies & major special participants.

\* Trading in 5-year Japanese government bond futures started on Feb. 16, 1996.  
 Trading in 10-year Japanese government bond futures started on Oct. 19, 1985.  
 Trading in 20-year Japanese government bond futures started on July 8, 1988.

## Contract Specifications for Japanese Government Bond Futures

(As of May 8, 2000)

	New 5-year Japanese government bond futures	10-year Japanese government bond futures	20-year Japanese government bond futures
Contract	Standardized 3%, 5-year Japanese government bond.	Standardized 6%, 10-year Japanese government bond.	Standardized 6%, 20-year Japanese government bond.
Contract months:	March, June, September, December cycle (three contract months traded at all times).	Do.	Do.
Trading unit:	Japanese government bonds ¥100 million face value.	Do.	Do.
Minimum fluctuation:	1/100 point per 100 points. (¥10,000 per contract)	Do.	Do.
Daily price limit:	2 points upward or downward. (¥2 million per contract)	Do.	3 points upward or downward. (¥3 million per contract)
Last day of trading:	The 7th business day prior to each delivery date. The trading day in a new contract month begins on the next business day following the last trading day.	Do.	Do.
Delivery date:	20th of each contract month.	Do.	Do.
Deliverable grade:	Publicly-offered, interest-bearing 5-year JGBs with 4 or more but less than 5.25 years remaining to maturity at delivery date; and issued at least 3 months prior to the delivery months.	Publicly offered interest-bearing JGBs with 7 years or more but less than 11 years remaining to maturity as of the issued date and the delivery date.	Publicly offered interest-bearing JGBs with 15 years or more but less than 21 years remaining to maturity as of the issued date and the delivery date.
Margin:	(E yen) × (net long/short positions) *E is reviewed quarterly	(F yen) × (net long/short positions) *F is reviewed quarterly	(G yen) × (net long/short positions) *G is reviewed quarterly
Trading hours:	9:00 - 11:00 and 12:30 - 15:00	Do.	Do.
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options(CORES-FOP).	Do.	Do.

Note: Trading in new 5-year Japanese government bond futures will start on May 8, 2000.

## Equity Options Market

### Trading Volume, Trading Value and Open Interest of Equity Options

	Number of Contracts	Daily Average	Trading Value (¥ mils.)	Open Interest
1997	70,896	639	3,524	5,410
1998	81,960	332	2,006	6,695
1999	212,447	867	8,832	24,215
Jan.	15,987	841	968	7,845
Feb.	12,226	643	469	11,799
Mar.	12,408	564	613	11,299
Apr.	6,242	297	169	12,589
May	22,455	1,248	318	28,037
June	26,494	1,204	590	29,164
July	16,862	803	721	27,834
Aug.	11,782	536	347	25,403
Sept.	19,588	979	1,065	19,208
Oct.	25,860	1,293	1,143	28,590
Nov.	22,403	1,120	960	27,817
Dec.	20,140	959	1,464	24,215

### Trading Volume by Types of Investors

	(contracts, %)		
	1997	1998	1999
Securities Companies	97,477 ( 71.3)	68,795 ( 50.0)	125,379 ( 29.5)
Banks	4,322 ( 3.2)	28,980 ( 17.7)	85,600 ( 20.1)
Insurance Companies	2,620 ( 1.9)	15,877 ( 9.9)	60,739 ( 14.3)
Other Financial Institutions	215 ( 0.2)	5,100 ( 3.1)	1,650 ( 0.4)
Investment Trusts	491 ( 0.4)	711 ( 0.4)	0 ( 0.0)
Business Corporations	4,706 ( 3.4)	1,107 ( 0.7)	7,570 ( 1.8)
Other Corporations	164 ( 0.1)	1,000 ( 0.6)	0 ( 0.0)
Individuals	15,252 ( 11.2)	592 ( 0.4)	473 ( 0.1)
Foreigners	11,472 ( 8.4)	41,756 ( 25.5)	143,473 ( 33.8)
Total	136,719 (100.0)	163,918 (100.0)	424,884 (100.0)

Note: Figures are total amount of trading volume of sales and purchases by Regular Members and Special Participants (The amount of agency transactions by non-integrated securities companies are excluded)

\*Trading in Equity options started on July 18, 1997.

## Contract Specifications for Equity Options

(As of the end of March 2000)

Contract:	Call and put options based on the listed stocks selected by the Tokyo Stock Exchange														
Contract Unit:	Correspondent to the minimum trading unit of the underlying stock.														
Contract months:	2 closest quarterly months and 2 serial months														
Exercise price:	5 exercise prices are set at ¥25~¥1 mil. interval depending on the exercise price levels to bracket the current underlying stock price. Additional exercise prices are set as the underlying stock price rises or falls.														
Exercise type:	European														
Minimum fluctuation:	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Less than ¥2,000</td> <td>¥0.5</td> </tr> <tr> <td>¥2,000 ~ less than ¥3,000</td> <td>¥2.5</td> </tr> <tr> <td>¥3,000 ~ less than ¥30,000</td> <td>¥5</td> </tr> <tr> <td>¥30,000 ~ less than ¥50,000</td> <td>¥25</td> </tr> <tr> <td>¥50,000 ~ less than ¥100,000</td> <td>¥50</td> </tr> <tr> <td>¥100,000 ~ less than ¥1,000,000</td> <td>¥500</td> </tr> <tr> <td>¥1,000,000 or more</td> <td>¥5,000</td> </tr> </table>	Less than ¥2,000	¥0.5	¥2,000 ~ less than ¥3,000	¥2.5	¥3,000 ~ less than ¥30,000	¥5	¥30,000 ~ less than ¥50,000	¥25	¥50,000 ~ less than ¥100,000	¥50	¥100,000 ~ less than ¥1,000,000	¥500	¥1,000,000 or more	¥5,000
Less than ¥2,000	¥0.5														
¥2,000 ~ less than ¥3,000	¥2.5														
¥3,000 ~ less than ¥30,000	¥5														
¥30,000 ~ less than ¥50,000	¥25														
¥50,000 ~ less than ¥100,000	¥50														
¥100,000 ~ less than ¥1,000,000	¥500														
¥1,000,000 or more	¥5,000														
Daily price limit:	Identical with that of the underlying stock on the same day.														
Expiration date:	Last day of trading.														
Last day of trading:	The business day prior to the second Friday.														
Margin:	<p><math>[(\text{Contract price for margin calculation}) + (\text{closing price of underlying stock}^1) \times (Z\%)] \times (\text{number of shares underlying one unit of option contract}) \times (\text{short positions} - \text{long positions})^2</math></p> <p><sup>1</sup>The closing price of underlying stock includes the last special quote.  <sup>2</sup>Only for net short positions  *Z is reviewed quarterly.</p>														
Exercise and settlement:	Physical delivery of the underlying stocks on the fourth business day following exercise														
Trading hours:	9:00 – 11:00 and 12:30 – 15:10														
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options (CORES-FOP).														

## TOPIX Options Market

### Trading Volume, Trading Value and Open Interest of TOPIX Options

	Number of Contracts	Daily Average	Trading Value (¥ mils.)	Open Interest
1994	20,078	81	3,396	683
1995	16,742	67	8,963	2
1996	13,444	54	3,112	20
1997	9,356	38	2,639	10
1998	655	3	175	1
1999	2,030	8	603	1,559
Jan.	37	2	7	1
Feb.	40	2	6	5
Mar.	40	2	9	5
Apr.	40	2	11	3
May	40	2	9	—
June	44	2	9	—
July	40	2	11	—
Aug.	44	2	9	—
Sept.	36	2	9	—
Oct.	36	2	9	—
Nov.	40	2	9	—
Dec.	1,593	76	500	1,559

### Trading Volume by Types of Investors

	(contracts, %)			
	1996	1997	1998	1999
Securities Companies	26,047( 96.9)	18,384( 98.2)	1,306( 99.7)	1,801( 44.4)
Banks	419( 1.6)	—( —)	—( —)	—( —)
Insurance Companies	—( —)	—( —)	—( —)	1,220( 30.0)
Other Financial Institutions	—( —)	—( —)	—( —)	—( —)
Investment Trusts	—( —)	—( —)	—( —)	—( —)
Business Corporations	3( 0.0)	—( —)	—( —)	—( —)
Other Corporations	—( —)	—( —)	—( —)	—( —)
Individuals	—( —)	—( —)	—( —)	—( —)
Foreigners	419( 1.6)	328( 1.8)	4( 0.3)	1,039( 25.6)
Total	26,888(100.0)	18,712(100.0)	1,310(100.0)	4,060(100.0)

Note: Figures are total amount of trading volume of sales and purchases by Regular Members and Special Participants (The amount of agency transactions by non-integrated securities companies are excluded).

\*Trading in TOPIX options started on Oct. 20, 1989.

## Contract Specifications for TOPIX Options

(As of the end of March 2000)

Contract:	Call and put options based on TOPIX (Tokyo Stock Price Index).										
Expiration cycles:	4 near-term months. (The longest option period is 4 months).										
Contract unit:	¥10,000 × TOPIX.										
Exercise price:	Nine exercise prices at 25-point intervals. Exercise prices are additionally set as TOPIX rises or falls.										
Exercise type:	European.										
Minimum fluctuation:	0.5 point (or ¥5,000 in value).										
Daily price limit:	<table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Previous day's closing index</td> <td style="width: 20%;"></td> </tr> <tr> <td>less than 2,000</td> <td style="text-align: right;">up/down 100 points</td> </tr> <tr> <td>2,000 ~ less than 3,000</td> <td style="text-align: right;">150</td> </tr> <tr> <td>3,000 ~ less than 4,000</td> <td style="text-align: right;">200</td> </tr> <tr> <td>4,000 or more</td> <td style="text-align: right;">250</td> </tr> </table>	Previous day's closing index		less than 2,000	up/down 100 points	2,000 ~ less than 3,000	150	3,000 ~ less than 4,000	200	4,000 or more	250
Previous day's closing index											
less than 2,000	up/down 100 points										
2,000 ~ less than 3,000	150										
3,000 ~ less than 4,000	200										
4,000 or more	250										
Expiration date:	The second Friday.										
Last day of trading:	The business day prior to the second Friday.										
Margin:	<p>[(Contract price for margin calculation) × (10 thousand yen) + (A yen)] × (short-long positions)*</p> <p>*Only for net short positions</p> <p>*A is the same as A for TOPIX Futures.</p>										
Exercise and settlement:	Exercise of index option is settled by the payment of cash, not delivery of securities. The amount of cash settlement equals the difference between the exercise price of the option and “the special settlement price of TOPIX” multiplied by ¥10,000.										
Trading hours:	9:00 to 11:00 and 12:30 to 15:10										
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options (CORES-FOP).										

## Options on Japanese Government Bond Futures Market

### Trading Volume, Trading Value and Open Interest of Options on JGB Futures

	Number of Contracts	Daily Average	Trading Value (¥ mils.)	Open Interest
1995	2,017,031	8,101	964,065	55,995
1996	1,975,274	7,997	755,581	48,060
1997	2,002,357	8,173	700,095	46,902
1998	1,848,851	7,485	618,606	50,069
1999	1,137,319	4,642	565,155	24,740
Jan.	135,829	7,149	76,784	68,345
Feb.	155,365	8,177	82,134	8,440
Mar.	106,446	4,838	62,102	27,237
Apr.	141,825	6,754	50,283	49,122
May	132,479	7,360	44,558	12,096
June	110,261	5,012	61,439	29,474
July	76,853	3,660	31,767	31,132
Aug.	58,340	2,652	35,101	4,449
Sept.	23,470	1,174	23,274	12,493
Oct.	47,753	2,388	34,579	29,264
Nov.	63,110	3,156	36,996	42,303
Dec.	85,588	4,076	26,134	24,740

### Trading Volume by Types of Investors

(contracts, %)

	1996	1997	1998	1999
Securities Companies	2,402,310( 64.4)	2,401,937( 65.8)	1,674,424( 57.4)	802,595( 50.9)
Banks	815,812( 21.9)	643,110( 17.6)	573,423( 19.7)	395,247( 25.1)
Insurance Companies	41,652( 1.1)	68,962( 1.9)	122,091( 4.2)	44,397( 2.8)
Other Financial Institutions	124,461( 3.3)	86,806( 2.4)	33,552( 1.2)	16,877( 1.1)
Investment Trusts	47,086( 1.3)	27,889( 0.8)	17,254( 0.6)	7,261( 0.5)
Business Corporations	8,146( 0.2)	5,573( 0.2)	8,563( 0.3)	4,584( 0.3)
Other Corporations	4,536( 0.1)	9,941( 0.3)	13,001( 0.4)	960( 0.1)
Individuals	32,292( 0.1)	2,371( 0.1)	2,302( 0.1)	421( 0.0)
Foreigners	285,765( 7.7)	405,800( 11.1)	470,017( 16.1)	303,703( 19.3)
Total	3,732,060(100.0)	3,652,399(100.0)	2,914,627(100.0)	1,576,045(100.0)

Note: Figures are total amount of trading volume of sales and purchases by Regular Members and Special Participants  
(The amount of agency transactions are based on reports from integrated securities companies & major special participants.)

\*Trading in options on JGB futures started on May 11, 1990.

## Contract Specifications for Options on Japanese Government Bond Futures

(As of the end of March 2000)

Contract:	Call and put options based on the 10-year Japanese Government Bond Futures.
Contract months:	2 closest quarterly months and one or two serial months
Exercise price:	7 exercise prices are set at 1-yen intervals for quarterly contract months and 11 at 0.50-yen intervals for serial contract months to bracket the current JGB futures price. Additional exercise prices will be established as the underlying JGB futures price rises or falls. Exercise prices are additionally set at 0.50-yen intervals for quarterly contract months on and after the twentieth of the months prior to the last trading months in the same way for serial months.
Exercise type:	American.
Minimum fluctuation:	1/100 point per 100 points. (¥10,000 per contract)
Daily price limit:	2 points upward or downward. (¥2 million per contract)
Expiration date:	The last business day of the month prior to the option contract month.
Last day of trading:	Expiration date.
Margin:	$[(\text{Contract price for margin calculation}) \times (100 \text{ million yen}/100 \text{ yen}) + (\text{F yen})] \times (\text{short positions}-\text{long positions})^*$ <p>*Only for net short positions *F is the same as F for 10-year JGB futures.</p>
Trading hours:	9:00 —11:00 and 12:30 —15:00
Trading system:	Pure auction through the Computer-assisted Order Routing and Execution System for Futures and Options(CORES-FOP).

## Coordination between Cash & Derivative Markets

### Temporary Trading Halts in the Futures and Options Markets during Periods of Abrupt Price Changes

#### 1. Introduction

When a price in the futures market excessively runs ahead of the underlying stock index, it may adversely affect the cash market by increasing the volatility thereof. In order to cope with such a situation, the coordinated supervision over the price formations of the two markets is needed.

In this respect, as a measure to contain the excessively fast price movement in the futures market and to lessen investors' concern so as to assist them in the rational investment judgements, the mechanism of temporary trading halts in the futures and options markets was introduced.

#### 2. Contracts subject to the trading halt

Stock index futures, Stock index options

#### 3. Procedures to be taken

##### (1) Cases in which temporary trading halts are imposed

###### (a) Timing to trigger the trading halt

As shown in the table below, when a price of a stock index futures contract advances (or declines) in excess of the predetermined index points from the last business day's closing price, and also differentiates in excess of the predetermined index points from its theoretical price,

trading in the futures contract and its related options contracts (as specified in the table below) shall be halted.

(b) Trading halt shall not be imposed more than one time during the same trading day on the same contract.

(c) Trading halt shall not be imposed at or after 2:45 p.m.

##### (2) Duration of trading halt

15 minutes after the trading halt was triggered.

##### (3) Contract months to which trading halt is imposed

###### (a) Futures contract

Trading halt shall be determined on an individual contract month basis.

###### (b) Options contract

If a trading halt is triggered in a futures contract month, trading in its related options contract months shall be halted.

##### (4) Reopening procedures

(a) Orders placed before the trading halt shall continue to be effective after reopening of the market.

(b) When trading resumes after a trading halt, the reopening transaction shall be made in the same manner as the opening transaction in each trading session.

### Predetermined Points [TOPIX Futures & TOPIX Sector Index Futures]

Last Business Day's Close (point)	Predetermined Points from Last Business Day's Close (point)	Predetermined Points from Theoretical Price (*) (point)	[Daily Price Limit] (point)
Less than 2,000	Upward or downward 70	Upward or downward 20	Up or downward 100
2,000 ~ less than 3,000	100	30	150
3,000 ~ less than 4,000	130	40	200
4,000 or more	160	50	250

(\*) Theoretical Price  
= underlying index points + [last business day's close of underlying index points × {(short-term interest rate – dividend yield) × the number of remaining days/365}]

### Options Contract Months Subject to Trading Halt

#### Futures Contract Months

Mar.  
June  
Sept.  
Dec.

#### Related Options Contract Months

Jan., Feb., Mar.  
Apr., May, June  
July, Aug., Sept.  
Oct., Nov., Dec.

## Temporary Restriction on Index Arbitrage Trading for Member's Proprietary Account

### 1. Introduction

An index arbitrage transaction is expected to contribute to correlating prices of the cash and futures markets, and increasing liquidity in both markets. However, the index arbitrage could accelerate the price movement during the period of abrupt price changes due to its nature that the trading is systematically and unilaterally executed in one way based on the difference between futures and cash prices. In order to lessen such an excessive interaction between cash and futures markets, the exchange members, who are responsible for the orderly market operation, shall be restricted, under certain circumstances, in the index arbitrage trading for their proprietary accounts.

### 2. Trading subject to the restriction

Trading in the cash market which is involved in the index arbitrage for member's proprietary account (\*)

(\*)

Member's proprietary account shall include those of member's parent, subsidiary and affiliated securities business companies, which are defined under the "Board of Governor's Decision According to Article 59 of the Constitution Concerning Proprietary Account Arbitrage by Members"

### 3. Timing of restriction

As shown in the table below, when the TOPIX moves up (or down) in excess of the predetermined index points from the last business day's closing value, purchases (or sales) in the cash market involved in the index arbitrage trading for member's proprietary account shall be restricted.

### 4. Lifting of the restriction

When the TOPIX subsequently moves back within the predetermined index points from the last business day's closing value, the restriction shall be lifted.

### Restriction & Lifting Points [TOPIX]

Last Business Day's Close (point)	Predetermined Points from Last Business Day's Close (Restriction) (point)	Predetermined Points from Last Business Day's Close (Lifting) (point)
Less than 2,000	Upward or downward 100	Upward or downward 70
2,000 ~ less than 3,000	150	100
3,000 ~ less than 4,000	200	130
4,000 or more	250	160

## Index Arbitrage & Program Trading

TSE members are required to report the volume of stock trading involving index arbitrages and established positions thereof on a daily basis from February 4, 1991 (weekly basis volume had been reported since April 16, 1990).

The TSE defines “Program Trading” as sale and/or purchase of a basket of 25 or more stocks. TSE members are required to report the daily volume of Program Tradings for each of index arbitrages and the others from April 1, 1991.

### Program Trading and Positions Established with Index Arbitrages

	Trading Volume (mils. of shares)		Program Trading		Positions Established with Index Arbitrages		C A×2 (%)	D—E B (times)
	Total (A)	Daily Average(B)	Total (C)	Index Arbitrages	Purchases (D)	Sales (E)		
1995	88,900	357	24,892	11,693	2,730	0	14.00	7.65
1996	96,170	389	31,148	11,168	2,529	0	16.19	6.50
1997	105,533	431	34,667	12,597	1,512	86	16.42	3.31
1998	121,595	492	25,691	11,901	724	53	10.56	1.36
1999	151,200	617	28,384	12,282	1,103	140	9.39	1.56
Jan.	8,022	422	1,497	865	968	14	9.33	2.26
Feb.	8,343	439	1,205	552	983	6	7.23	2.22
Mar.	18,004	818	3,412	1,595	1,170	14	9.48	1.41
Apr.	15,068	718	2,430	1,073	1,085	79	8.07	1.40
May	11,255	625	1,868	588	930	152	8.30	1.24
June	13,611	619	3,425	1,793	1,302	45	12.58	2.03
July	13,745	655	1,921	748	1,040	167	6.99	1.33
Aug.	12,110	550	2,149	650	1,099	135	8.88	1.75
Sept.	12,047	602	3,006	1,345	811	55	12.48	1.25
Oct.	12,713	636	2,021	788	913	75	8.11	1.32
Nov.	14,200	710	2,142	826	1,287	49	7.54	1.74
Dec.	12,077	575	3,262	1,453	1,103	140	13.50	1.67

Notes: The figures in the column of “Program Trading” are aggregate amount of sales and purchases.

## TOPIX (Tokyo Stock Price Index)

On July 1, 1969, the Tokyo Stock Exchange introduced TOPIX (Tokyo Stock Price Index), a Composite Index of all the common stocks listed on the 1st Section of the TSE, to provide a comprehensive measure of the market trend to investors who may be interested in general market price movements.

This composite index is supplemented by subindexes for each of 33 industry groups and of 3 groups (large, medium and small) in which companies listed on the First Section are classified by their size (in terms of the number of listed shares).

In addition, the TSE has computed a composite index called “Second Section Stock Price Index” covering all stocks listed on its Second Section since August 18, 1969.

On February 1, 1999, the TSE also started to publish the dividend-included TOPIX, its sub-indexes and TOPIX New Indexes.

### Method of Computation of Indexes

The indexes are basically a measure of the changes in aggregate market value of TSE common stocks. The base for each of the indexes is the aggregate market value of its component stocks as at the close on January 4, 1968, the first trading day of the year. The aggregate market value is calculated by multiplying the number of listed shares of each component stock by its price and totaling the products derived therefrom.

In computing the indexes, the base market value is used as the denominator of a fraction whose numerator represents the current aggregate market value. The fraction so obtained is multiplied by 100 (the index value on the base date) and is reduced to a decimal figure to the nearest one-hundredth for each of the indexes computed.

The formula is as follows:

$$\text{Current index} = \frac{\text{Current Market Value}}{\text{Base Market Value}} \times 100$$

For the purpose of maintaining the continuity of the indexes, the base market value is adjusted from time to time to reflect only price movements resulting from auction market activity and eliminate the effects of other factors such as new listings,

delistings and new share issues either through public offering or through rights offering to shareholders.

No adjustment is made, however, in case of a stock split-up or split-down, a bonus issue, a stock dividend or a decrease in paid-in capital, since such corporate actions do not affect the current market value.

The formula for adjusting the base market value is as follows:

$$\text{New Base Value} = \text{Old Base Value} \times \frac{\text{New Market Value (New Basis)}}{\text{Old Market Value (Old Basis)}}$$

For example, suppose that on March 1, 19XX, the base value and the market value were ¥8,000 billion and ¥16,000 billion, respectively. The index was 200.00 ( $\frac{16,000}{8,000} \times 100$ ). On March 2, 19XX, the Exchange lists XYZ company’s additional 100 million shares issued through public offering. The previous day’s closing price of the company’s stock was ¥2,000. Thus, the market value on March 2 increases by ¥200 billion (¥2,000 × 100 million shares) to ¥16,200 billion which represents the new market value. Therefore,

$$\text{New Base Value} = 8,000 \times \frac{16,200}{16,000} = ¥8,100 \text{ billion}$$

is used as the base market value for the computation of the index on March 2.

### Frequency of Computation of Indexes

All indexes except TOPIX have been computed and published every minute since Aug. 4, 1997. TOPIX has been computed every minute since May 23, 1987.

The changes in the indexes from the previous day are indicated both in index value and in percentage. Historically, TOPIX is available on a daily closing basis from May 16, 1949, while the subindices are available only from January 4, 1968, the base date. The Second Section Stock Price Index is available on a daily closing basis from October 2, 1961 when the Second Section of the Exchange commenced.

#### Note:

The Exchange market for domestic stocks is divided into two Sections — the 1st Section and the 2nd Section. In general, a newly listed company’s stock is assigned to the 2nd Section. Stocks traded in the 2nd Section are reviewed at the end of each business year of issuing companies as to whether they satisfy the assignment rules to the 1st Section. If they do, they are moved from the 2nd Section to the 1st. On the other hand, where a 1st-Section-assigned stock falls within the purview of another set of rules to reassign stocks from the 1st Section to the 2nd, the stock is removed in that way. Simply stated, the 1st Section is the marketplace for stocks of larger companies and the 2nd Section for those of smaller companies and newly-listed companies. Stocks of 1,372 companies are assigned to the 1st Section, and those of 526 companies to the 2nd Section as of February 29, 2000.

## TOPIX (Tokyo Stock Price Index) (Daily Closing 1999)

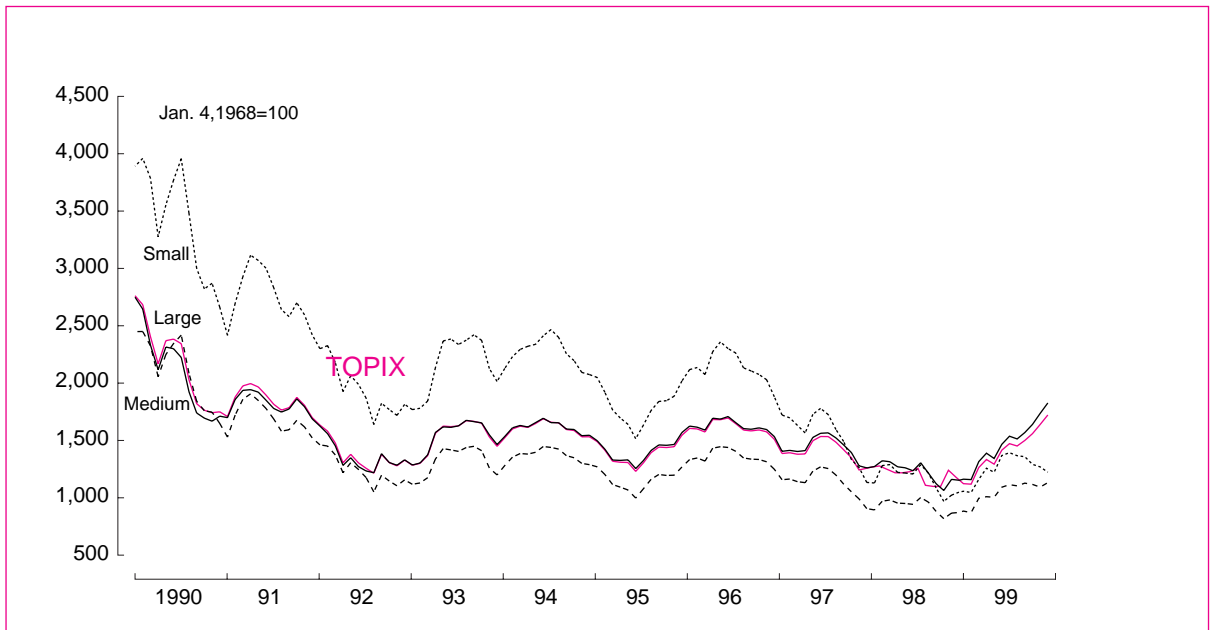
January 4, 1968=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		1,119.37	1,107.81	1,300.44		1,317.48	1,447.41		1,496.24	1,515.08	○1,562.49	1,611.31
2		1,113.73	○1,092.08	1,304.17		1,326.77	1,460.16	1,468.62	1,496.99		1,570.81	○1,601.93
3		1,097.15	1,099.81			1,317.69		1,481.99	1,497.00			1,611.25
4	1,064.92	1,090.77	1,105.11			○1,316.53		1,459.67		1,515.98	1,596.21	
5	○1,048.33	1,084.64	1,146.72	1,307.17			1,486.58	1,431.02		1,510.06	1,596.85	
6	1,058.76			1,322.61	◎1,381.12		1,478.72	1,420.68	1,512.08	1,512.53		1,632.80
7	1,069.60			1,324.64	1,368.42	1,328.65	1,477.02		1,504.62	1,525.04		1,632.14
8	1,058.40	1,090.63	1,147.75	1,345.07		1,339.14	1,469.09		1,502.57	1,530.83	1,573.74	1,621.07
9		1,083.65	1,162.51	1,342.91		1,342.51	1,464.40	1,424.53	1,507.62		1,572.40	1,611.75
10		○1,083.09	1,187.47		1,373.86	1,367.61		1,424.25	1,514.86		1,593.93	1,623.87
11	1,057.34		1,196.18		1,355.82	1,380.68		○1,420.64			1,582.52	
12	1,055.93	1,089.53	1,195.61	1,316.20	1,361.15		1,484.11	1,438.44		1,542.80	1,592.19	
13	1,057.08			1,331.74	1,351.97		1,483.69	1,442.49	◎1,535.23	1,526.96		1,615.51
14	1,069.94			1,343.35	1,347.45	1,381.27	1,497.07		1,524.79	1,536.74		1,605.46
15		1,095.02	1,211.18	1,337.93		1,385.07	1,511.73			1,510.26	1,589.16	1,612.95
16		1,101.68	1,240.89	1,343.03		1,383.17	1,507.02	1,468.51	1,495.78		1,580.39	1,618.22
17		1,097.08	1,260.09		1,322.43	1,399.17		1,474.14	1,501.27		1,591.53	1,633.48
18	1,075.79	1,095.27	1,231.24		1,324.15	1,396.29		1,478.43		○1,460.23	1,622.05	
19	1,074.80	1,094.50	◎1,269.76	1,332.69	1,300.61		◎1,516.00	1,475.35		1,471.80	1,642.67	
20	1,090.07			1,328.90	1,301.87			1,498.94	1,519.28	1,507.31		
21	1,104.92			1,311.76	1,309.67	1,419.05	1,500.11		1,529.33	1,503.94		1,618.36
22	1,097.29	1,108.91		1,314.44		◎1,425.64	1,459.02		1,479.28	1,513.93	1,661.97	1,651.30
23		1,117.77	1,263.71	1,335.47		1,409.18	1,436.49	◎1,518.72				
24		1,120.29	1,233.59		1,317.51	1,411.13		1,507.07	1,430.42		1,668.35	1,670.65
25	1,098.71	◎1,124.13	1,255.93		1,308.68	1,409.41		1,494.80		1,534.27	1,648.91	
26	1,109.88	1,120.03	1,267.78	1,343.84	1,303.32		1,436.32	1,481.08		1,543.09	1,670.34	
27	1,115.37			◎1,350.42	1,302.17		○1,434.11	1,478.38	○1,429.38	1,523.38		1,657.88
28	1,110.22			1,347.64	○1,292.07	1,417.46	1,450.33		1,469.29	1,527.10		1,701.01
29	◎1,125.26		1,268.67			1,425.24	1,467.73		1,458.11	◎1,563.89	◎1,686.20	1,712.27
30			1,269.24	1,337.12		1,416.20	1,478.93	1,497.94	1,506.83		1,641.53	◎1,722.20
31			1,267.22		1,297.19			1,457.02				
High	1,125.26	1,124.13	1,269.76	1,350.42	1,381.12	1,425.64	1,516.00	1,518.72	1,535.23	1,563.89	1,686.20	◎1,722.20
Low	○1,048.33	1,083.09	1,092.08	1,300.44	1,292.07	1,316.53	1,434.11	1,420.64	1,429.38	1,460.23	1,562.49	1,601.93
Ave.	1,081.19	1,101.43	1,203.65	1,329.60	1,328.86	1,377.97	1,473.62	1,465.58	1,495.55	1,518.76	1,612.21	1,637.52

Note: ◎Highest in month (year) ○Lowest in month (year)

## TOPIX Subindexes

### TOPIX Subindexes by Size of Companies (1st Section)



### TOPIX Subindexes by Size of Companies

End of	Large	Medium	Small
1995	1,601.22	1,293.59	2,066.69
1996	1,497.81	1,203.20	1,791.64
1997	1,232.84	840.30	1,046.63
1998	1,122.42	859.92	1,023.05
1999	1,826.04	1,133.23	1,222.75
Jan.	1,162.97	884.61	1,057.93
Feb.	1,159.35	871.46	1,047.38
Mar.	1,315.89	966.54	1,161.53
Apr.	1,389.16	1,010.62	1,258.15
May	1,343.12	1,005.79	1,222.94
June	1,466.24	1,093.12	1,368.70
July	1,536.86	1,115.18	1,393.47
Aug.	1,513.21	1,105.08	1,367.25
Sept.	1,568.77	1,128.55	1,358.53
Oct.	1,639.58	1,117.52	1,291.17
Nov.	1,735.38	1,093.94	1,269.93
Dec.	1,826.04	1,133.23	1,222.75

Notes: Large: stocks of companies with 200 million or more shares listed.

Medium: stocks of companies with 60 million or more shares but less than 200 million shares listed.

Small: stocks of companies with less than 60 million shares listed.

## Changes in TOPIX Subindexes by Industrial Groups (1st Section, 1999)

Industry	Up			
	Stock Price Indexes		Percent Change from End of 1998 (B-A/A)	Point Change from End of 1998 (B-A)
	End of 1998 (A)	End of 1999 (B)		
Communication	1,777.35	6,255.92	+251.98	+4,478.57
Services	1,246.51	3,742.36	+200.23	+2,495.85
Wholesale Trade	482.24	1,355.42	+181.07	+873.85
Securities	365.27	928.20	+154.11	+562.93
Electric Appliances	1,542.53	3,629.44	+135.29	+2,086.91
Retail Trade	830.92	1,513.49	+82.15	+682.57
Precision Instruments	1,913.02	3,042.76	+59.06	+1,129.74
Banks	327.45	429.30	+31.1	+101.85
Transportation Equipment	1,243.19	1,628.67	+31.01	+385.48
Other Financing Business	938.75	1,136.88	+21.11	+198.13
Machinery	655.80	776.95	+18.47	+121.15
Nonferrous Metals	721.05	841.33	+16.68	+120.28
Other Products	1,580.42	1,771.44	+12.09	+191.02
Chemicals	745.86	827.76	+10.98	+81.9
Pulp & Paper	617.36	659.13	+6.77	+41.77
Marine Transportation	285.80	302.83	+5.96	+17.03
Pharmaceutical	1,301.18	1,330.64	+2.26	+29.46

Industry	Down			
	Stock Price Indexes		Percent Change from End of 1998 (B-A/A)	Point Change from End of 1998 (B-A)
	End of 1998 (A)	End of 1999 (B)		
Warehousing & Harbor Transportation	1,158.00	760.84	-34.30	-397.16
Construction	677.61	540.07	-20.30	-137.54
Electric Power & Gas	708.47	571.94	-19.27	-136.53
Glass & Ceramics Products	743.35	630.01	-15.25	-113.34
Textiles & Apparels	529.08	449.93	-14.96	-79.15
Rubber Products	1,659.16	1,419.08	-14.47	-240.08
Metal Products	845.73	734.84	-13.11	-110.89
Air Transportation	652.22	567.06	-13.06	-85.16
Foods	822.28	725.19	-11.81	-97.09
Land Transportation	1,274.62	1,136.51	-10.84	-138.11
Insurance	633.15	579.99	-8.40	-53.16
Oil & Coal Products	730.59	677.54	-7.26	-53.05
Real Estate	573.82	536.82	-6.45	-37.00
Mining	365.73	349.35	-4.48	-16.38
Iron & Steel	358.84	356.42	-0.67	-2.42
Fishery, Agriculture & Forestry	316.51	314.77	-0.55	-1.74

## TOPIX New Index

### 1. Organization

TOPIX	TOPIX 500	TOPIX Core 30 The 30 most liquid and highly market capitalized shares.	44.68%
		TOPIX Large 70 After the Core 30, the 70 most liquid and highly market capitalized shares.	68.52%
		TOPIX Mid 400 Excluding TOPIX 100 stock, these are the remaining shares in the TOPIX 500.	91.39%
	TOPIX Small The remaining stocks, outside the TOPIX 500 stocks and non-eligible stock.		100.00%
	Non-eligible stock New companies which have not been listed on the TSE for 6 months or more, out of the companies listed on the 1st section of the TSE as of the end of July.		

Note: Market capitalization as % of total market capitalization of TSE 1st section. (As of the end of December 1999)

### 2. Outline of Indices

Each index is a weighted average index of the market value of component stocks (identical to TOPIX) and is set at 1000 points as of April 1, 1998. (Index calculation base date)

Index formula and the adjustment in the base market

value are the same as those of TOPIX.

The component stocks of the new indices are determined based on market capitalization and liquidity. In order to accurately reflect the market, the component stocks will be revised every September.

Code No.	Issue	Industry	Code No.	Issue	Industry
4502	Takeda Chemical Industries	Pharmaceutical	8183	SEVEN-ELEVEN JAPAN	Retail Trade
4901	Fuji Photo Film	Chemicals	8264	ITO-YOKADO	Retail Trade
5108	BRIDGESTONE	Rubber Products	8302	Industrial Bank of Japan	Banks
6501	Hitachi	Electric Appliances	8311	Dai-Ichi Kangyo Bank	Banks
6502	TOSHIBA	Electric Appliances	8315	Bank of Tokyo-Mitsubishi	Banks
6701	NEC	Electric Appliances	8317	Fuji Bank	Banks
6702	FUJITSU	Electric Appliances	8318	Sumitomo Bank	Banks
6752	Matsushita Electric Industrial	Electric Appliances	8320	Sanwa Bank	Banks
6758	SONY	Electric Appliances	8604	Nomura Securities	Securities
6902	DENSO	Electric Appliances	9020	East Japan Railway	Land Transportation
6963	ROHM	Electric Appliances	9432	NIPPON TELEGRAPH AND TELEPHONE	Communication
7203	TOYOTA MOTOR	Transportation Equipment	9437	NTT Mobile Communications Network	Communication
7267	HONDA MOTOR	Transportation Equipment	9501	Tokyo Electric Power	Electric Power & Gas
7751	CANON	Electric Appliances	9503	Kansai Electric Power	Electric Power & Gas
7974	Nintendo	Other Products	9984	SOFTBANK	Wholesale Trade

Note: As of the end of December 1999.

## Stock Price Averages and Other Key Indexes

### Arithmetic Stock Price Average

The arithmetic stock price average, which tells you an average stock price of the market, is calculated by dividing the total stock price by the total number of stocks traded in the market.

### Weighted Stock Price Average

Weighted Stock Price Average is calculated by dividing the total market value of listed stocks by the number of shares listed in the market.

### Stock Price Averages (1st Section)

During	Arithmetic Stock Price Average	Weighted Stock Price Average
		(yen)
1995	883.61	830.62
1996	800.27	766.55
1997	547.42	602.05
1998	534.29	571.29
1999	694.04	889.23
Jan.	548.92	591.54
Feb.	542.18	588.48
Mar.	604.97	664.18
Apr.	638.14	698.36
May	627.98	677.03
June	681.35	728.11
July	699.80	760.05
Aug.	668.19	743.96
Sept.	673.39	771.58
Oct.	666.68	801.17
Nov.	674.24	843.69
Dec.	694.04	889.23

### Average Price Earnings & Price Book Value Ratios

The price earnings ratio (PER), calculated by dividing the price per share by annual after-tax profit per share, is a yardstick indicating how high the current share price is against per share earnings.

The price book value ratio (PBR) is calculated by dividing the price per share by shareholders' equity (net assets) per share and indicates how high the current share price stands against shareholders' equity per share.

The PER indicates the market price level from the standpoint of earnings, whereas the PBR indicates the price level from the asset value point of view.

The formulas for PER and PBR are as follows:

$$\text{Ave. PER} = \frac{\text{Arithmetic Stock Price Average}}{\text{Simple Average of After-tax Earnings per Share}}$$

$$\text{Ave. PBR} = \frac{\text{Arithmetic Stock Price Average}}{\text{Simple Average of Shareholders' Equity per Share}}$$

### PER · PBR (1st Section)

End of	PER	PBR
1989	70.6	5.4
1990	39.8	2.9
1991	37.8	2.5
1992	36.7	1.8
1993	64.9	1.9
1994	79.5	2.0
1995	86.5	1.9
1996	79.3	1.8
1997	37.6	1.2
1998	103.1	1.2
1999	—	1.6
Jan.	104.0	1.2
Feb.	104.6	1.2
Mar.	121.1	1.3
Apr.	133.1	1.4
May	125.8	1.4
June	—	1.5
July	—	1.6
Aug.	—	1.5
Sept.	—	1.5
Oct.	—	1.5
Nov.	—	1.5
Dec.	—	1.6

Note: PER is not calculated if a simple average of after-tax earnings per share is minus.

## Dividend Yields

Yields on stocks, obtained by dividing annual cash dividends by the stock price, are yardsticks for measuring the rate of return in the form of dividends of stock investment.

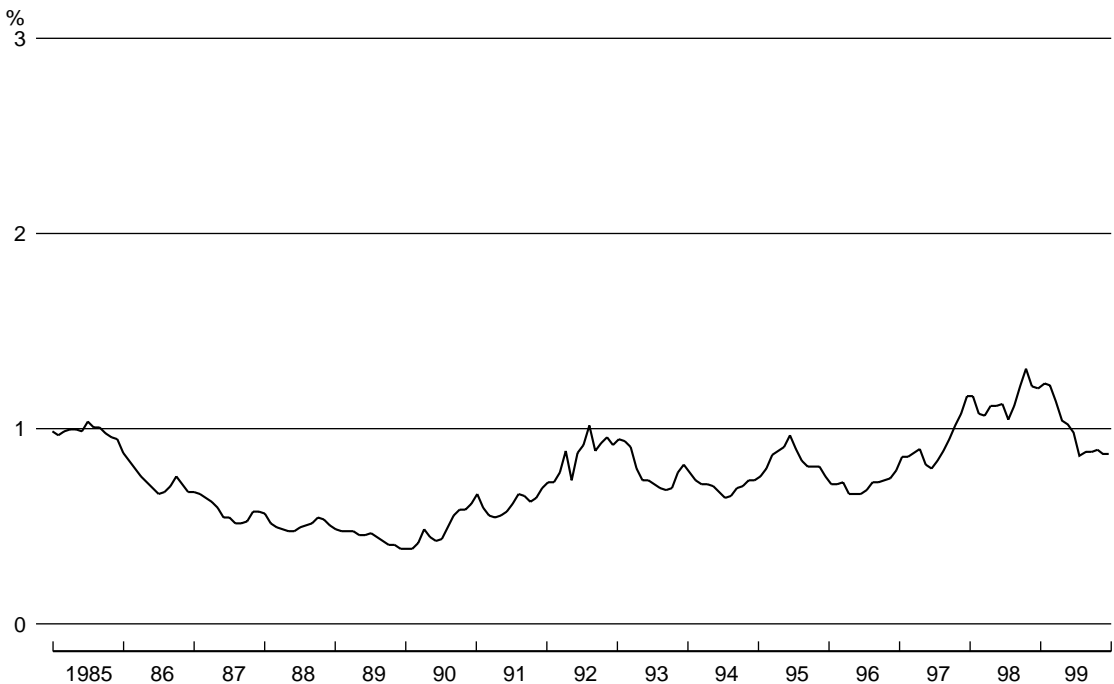
The simple average yields and the weighted average yields are often used as general indicators of the dividend return of the stock market.

When seen from a long-term point of view, the simple average yields of all the 1st Section stocks (monthly average) have almost consistently been dropping since 1975 and it was 0.45% in 1989. In recent years, the yields show a slight upward trend.

### Average Dividend Yields (All 1st Section Stocks)

During	Simple Average (%)
1995	0.85
1996	0.72
1997	0.92
1998	1.15
1999	0.99
Jan.	1.23
Feb.	1.22
Mar.	1.14
Apr.	1.04
May	1.02
June	0.98
July	0.86
Aug.	0.88
Sept.	0.88
Oct.	0.89
Nov.	0.87
Dec.	0.87

### Average Dividend Yields (All 1st Section Stocks)

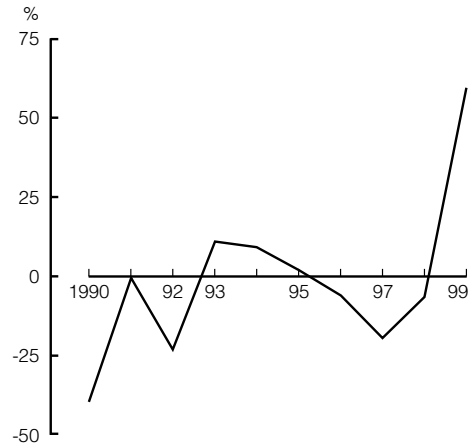


### Rates of Return on Common Stocks (Dividend - included TOPIX)

The table below shows average compound annual rates of return on common stocks on the assumption that an investor bought all common stocks listed on the 1st Section of the Tokyo Stock Exchange in proportion to their market value and re-distributed the holdings each year in order to preserve the proportionality. For example, if an investor bought all the 1st-Section-listed common stocks in 1989 and sold them in 1999, the average annual rate of return on his investments over the 10-year holding period was minus 4.2%.

The annual rate of return between 1998 and 1999 was 59.7%.

Annual Rates of Return on Common Stocks on a Year-to-Year Basis (1st Section)



### Average Compound Annual Rates of Return on Common Stocks (1st Section)

(%)

To	From									
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1990	-39.4									
1991	-22.3	-0.4								
1992	-22.6	-12.4	-23.0							
1993	-15.3	-5.2	-7.6	11.0						
1994	-10.9	-1.8	-2.3	10.0	9.1					
1995	-8.8	-1.1	-1.2	7.3	5.5	2.1				
1996	-8.4	-1.9	-2.2	3.8	1.5	-2.1	-6.1			
1997	-9.9	-4.6	-5.3	-1.3	-4.2	-8.2	-13.0	-19.4		
1998	-9.5	-4.9	-5.5	-2.2	-4.7	-7.8	-10.9	-13.2	-6.6	
1999	-4.2	0.8	0.9	4.9	3.9	2.9	3.1	6.3	22.1	59.7

## S&P / TOPIX 150

S&P / TOPIX 150, a new Japanese equity index developed in collaboration with Standard & Poor's, the global ratings and index calculator, was announced in June 1999, and calculation commenced as of August 24, 1999.

S&P / TOPIX 150 is a market capitalization weighted index based on 150 highly liquid stocks from each major sector of the TSE market. In order to reflect only those shares in circulation, closely held shares by major shareholders will be excluded

when calculating the market capitalization of each component stock. The base date of the index will be December 30, 1997 at 1,000 points.

Standard & Poor's also calculates "S&P Global 1200" index, which includes S&P / TOPIX 150, S&P 500 (USA) and indexes representing Canada, Europe, Asia Pacific, South America and the UK.

### S&P / TOPIX 150 & S&P Global 1200

	S&P / TOPIX 150		S&P Global 1200(US\$)						
	(Yen)	(US\$)	USA	Europe	Canada	Asia	South America	UK	
1997	1,000.00	1,000.00	970.43	1,000.00	378.09	1,000.00	1,000.00	1,000.00	1,000.00
1998	913.43	1,028.30	1,229.23	1,311.36	375.98	1,021.59	643.47	1,147.35	1,274.22
1999	1,525.74	1,915.66	1,469.25	1,517.85	495.86	1,478.47	1,117.84	1,285.62	1,563.23
Jan.	943.37	1,034.59	1,279.64	1,297.41	396.87	1,036.79	580.87	1,143.15	1,309.70
Feb.	942.74	1,010.22	1,238.33	1,239.41	368.25	1,013.08	622.15	1,166.03	1,272.90
Mar.	1,074.62	1,162.74	1,286.37	1,255.73	384.98	1,091.40	747.34	1,198.96	1,321.10
Apr.	1,125.49	1,211.16	1,335.18	1,295.14	410.85	1,251.13	855.03	1,249.81	1,373.36
May	1,087.71	1,151.09	1,301.84	1,227.07	400.07	1,172.82	828.10	1,179.12	1,324.52
June	1,201.43	1,275.80	1,372.71	1,260.79	411.04	1,282.68	867.44	1,179.67	1,386.51
July	1,271.18	1,427.30	1,328.72	1,271.25	415.10	1,286.18	779.81	1,197.19	1,371.98
Aug.	1,234.71	1,434.19	1,320.41	1,296.02	407.32	1,295.14	757.09	1,183.12	1,369.24
Sept.	1,280.09	1,536.18	1,282.71	1,277.59	408.54	1,241.54	772.75	1,161.56	1,345.06
Oct.	1,323.81	1,620.35	1,362.93	1,322.33	433.85	1,241.68	820.05	1,197.04	1,411.25
Nov.	1,402.57	1,762.27	1,388.91	1,360.52	447.29	1,372.26	935.34	1,231.71	1,459.17
Dec.	1,525.74	1,915.66	1,469.25	1,517.85	495.86	1,478.47	1,117.84	1,285.62	1,563.23

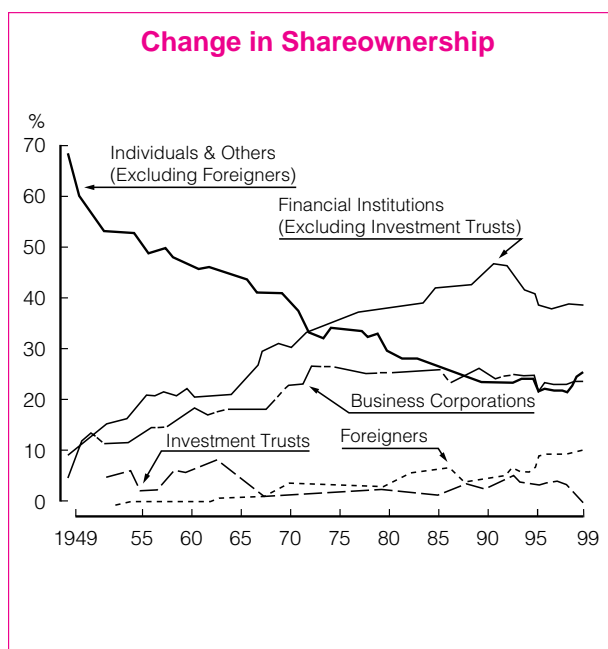
Note: The Canadian index is in Canadian dollars.

(Source:S&P)

## Shareownership

### Shareownership in Listed Companies

“The National Conference of Stock Exchanges”, consisting of all the eight stock exchanges in the country, has been conducting an annual shareownership survey of domestic companies listed on any one of the stock exchanges. The annual survey is carried out by sending each company a questionnaire on various data of its shareholders available from the shareholders record as of the close of the business year ending between April 1 of the previous year and March 31 of the present year. The 1999 statistics thus reflect the total of individual company’s figures at business year-end ranging from April 1998 to March 1999. Since 1986, the survey covers only such shareholders who own one or more “unit of shares”. One unit consists generally of 1,000 shares.



### Shareownership by Types of Investors (All Listed Cos.)

	Thous. of Units			Percentage		
	1997.3	1998.3	1999.3	1997.3	1998.3	1999.3
Govt. & Local Govt.	2,558	2,581	2,585	0.5	0.5	0.5
Financial Institutions	196,843	198,636	201,963	41.3	40.2	39.3
All Banks	102,803	103,338	106,326	21.6	21.0	20.7
Investment Trusts	9,339	7,150	6,324	2.0	1.4	1.2
Annuity Trusts	11,102	16,177	19,655	2.3	3.3	3.8
Life Insurance Cos.	52,215	50,531	48,272	10.9	10.2	9.4
Non-life Insurance Cos.	16,396	16,500	16,210	3.4	3.3	3.2
Other Financial Institutions	4,985	4,936	5,175	1.0	1.0	1.0
Business Corporations	113,326	119,139	124,191	23.8	24.1	24.1
Securities Companies	5,063	3,984	3,609	1.1	0.8	0.7
Individuals & Others	112,573	121,869	130,536	23.6	24.6	25.4
Foreigners	46,778	48,400	51,480	9.8	9.8	10.0
<b>Total</b>	<b>477,143</b>	<b>494,613</b>	<b>514,367</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Note: “Individuals & Others” include unincorporated associations.

## Shareownership by Market Value

### Shareownership by Market Value (All Listed Cos.)

	¥ bills.			Percentage		
	1997.3	1998.3	1999.3	1997.3	1998.3	1999.3
Govt. & Local Govt.	707	684	679	0.2	0.2	0.2
Financial Institutions	140,594	129,821	135,823	41.9	42.1	41.0
All Banks	73,293	66,821	69,775	21.9	21.7	21.1
Investment Trusts	6,860	4,990	4,475	2.0	1.6	1.4
Annuity Trusts	8,099	11,825	15,674	2.4	3.8	4.7
Life Insurance Cos.	37,251	32,755	32,638	11.1	10.6	9.9
Non-life Insurance Cos.	11,942	10,645	10,462	3.6	3.5	3.2
Other Financial Institutions	3,146	2,785	2,797	0.9	0.9	0.8
Business Corporations	85,871	75,901	83,500	25.6	24.6	25.2
Securities Companies	3,193	2,023	1,822	1.0	0.7	0.6
Individuals & Others	65,036	58,526	62,469	19.4	19.0	18.9
Foreigners	40,071	41,130	46,588	11.9	13.4	14.1
Total	335,476	308,088	330,884	100.0	100.0	100.0

### Average per share Market Price of Stocks Owned by Investment Sectors

(¥)

	1997.3		1998.3		1999.3	
Govt. & Local Govt.	273.6	(-32.3)	262.3	(-4.1)	260.1	(-0.8)
Financial Institutions	704.8	(-15.6)	648.2	(-8.0)	669.0	(3.2)
All Banks	702.9	(-15.6)	641.9	(-8.6)	653.8	(1.8)
Investment Trusts	725.0	(-14.6)	690.8	(-4.7)	700.5	(1.4)
Annuity Trusts	721.2	(-16.6)	724.4	(0.4)	791.5	(9.3)
Life Insurance Cos.	704.5	(-15.7)	642.2	(-8.8)	671.3	(4.5)
Non-life Insurance Cos.	719.9	(-15.8)	639.3	(-11.2)	641.0	(0.3)
Other Financial Institutions	623.3	(-16.2)	558.6	(-10.4)	539.2	(-3.5)
Business Corporations	737.0	(-23.9)	631.7	(-14.3)	669.7	(6.0)
Securities Companies	615.1	(-26.8)	503.7	(-18.1)	504.4	(0.1)
Individuals & Others	562.2	(-19.0)	475.0	(-15.5)	473.9	(-0.2)
Foreigners	846.8	(-9.9)	841.7	(-0.6)	899.5	(6.9)
Total	689.2	(-18.0)	617.2	(-10.4)	639.3	(3.6)

Notes: 1. Figures in parentheses are percent changes from the preceding year.

2. For calculation of the annual figures, see P.67.

3. "Individuals & Others" include unincorporated associations.

## Shareownership by Size of Holding

### Number of Shareholders by Size of Holding (All Listed Cos.)

(thous., %)

End of Year/Month	1997.3	1998.3	1999.3
No. of Listed Cos.	2,339	2,387	2,426
Holding Size (units)			
1 ~ 4	23,200 ( 81.2)	23,296 ( 80.3)	23,383 ( 79.5)
5 ~ 9	2,701 ( 9.5)	2,850 ( 9.8)	2,986 ( 10.2)
10 ~ 49	2,233 ( 7.8)	2,433 ( 8.4)	2,598 ( 8.8)
50 ~ 99	175 ( 0.6)	184 ( 0.6)	186 ( 0.6)
100 ~ 499	168 ( 0.6)	170 ( 0.6)	168 ( 0.6)
500 ~ 999	34 ( 0.1)	34 ( 0.1)	34 ( 0.1)
1,000 ~ 4,999	39 ( 0.1)	40 ( 0.1)	41 ( 0.1)
5,000 & Over	12 ( 0.0)	13 ( 0.0)	13 ( 0.0)
Total	28,566 ( 100.0)	29,024 ( 100.0)	29,413 ( 100.0)

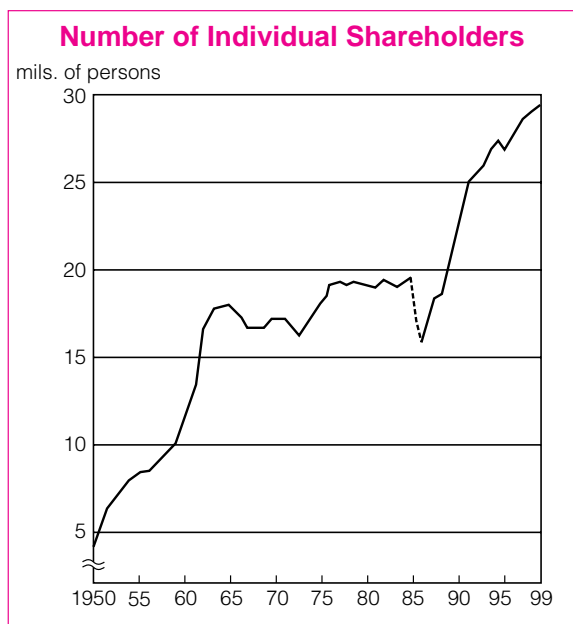
### Number of Unit of Shares by Size of Holding (All Listed Cos.)

(mils. of units, %)

End of Year/Month	1997.3	1998.3	1999.3
No. of Listed Cos.	2,339	2,387	2,426
Holding Size (units)			
1 ~ 4	36.2 ( 7.6)	36.7 ( 7.4)	37.1 ( 7.2)
5 ~ 9	16.4 ( 3.4)	17.3 ( 3.5)	18.0 ( 3.5)
10 ~ 49	37.1 ( 7.8)	40.2 ( 8.1)	42.6 ( 8.3)
50 ~ 99	11.5 ( 2.4)	12.0 ( 2.4)	12.1 ( 2.4)
100 ~ 499	35.1 ( 7.4)	35.3 ( 7.2)	34.7 ( 6.8)
500 ~ 999	23.6 ( 5.0)	23.8 ( 4.8)	23.7 ( 4.6)
1,000 ~ 4,999	83.9 ( 17.6)	85.7 ( 17.3)	88.2 ( 17.1)
5,000 & Over	232.9 ( 48.8)	243.3 ( 49.2)	257.6 ( 50.1)
Total	477.1 ( 100.0)	494.3 ( 100.0)	514.3 ( 100.0)

## Number of "Unit" Shareholders

The total number of shareholders (by duplicated countings if one owns shares of more than one company) owing one or more units of shares of companies listed on any one of the stock exchanges in Japan increased by 0.39 million or 1.3% to 29.41 million in 1999 from 29.02 million in 1998. The number of individual shareholders showed an increase of 0.45 million or 1.6% to 28.30 million in 1998.



## Number of "Unit" Shareholders by Types of Investors (All Listed Cos.)

	Thous. of Persons			Percentage		
	1997.3	1998.3	1999.3	1997.3	1998.3	1999.3
Govt. & Local Govt.	1	2	2	0.0	0.0	0.0
Financial Institutions	136	141	139	0.5	0.5	0.5
All Banks	44	51	56	0.2	0.2	0.2
Investment Trusts	14	13	12	0.1	0.0	0.0
Annuity Trusts	15	17	18	0.1	0.1	0.1
Life Insurance Cos.	26	25	22	0.1	0.1	0.1
Non-life Insurance Cos.	9	9	8	0.0	0.0	0.0
Other Financial Institutions	26	24	21	0.1	0.1	0.1
Business Corporations	761	754	740	2.7	2.6	2.5
Securities Companies	93	84	67	0.3	0.3	0.2
Individuals & Others	27,373	27,856	28,300	95.8	96.0	96.2
Foreigners	198	185	163	0.7	0.6	0.6
<b>Total</b>	<b>28,566</b>	<b>29,024</b>	<b>29,413</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Note: "Individuals & Others" include unincorporated associations.

## Investment Plans

### Employee Stock Ownership Plans

The employee stock ownership plan in Japan is set up and run in the form of a permanent voluntary association of employees participating in the plan of their own volition. The participants put up a certain amount of money regularly (usually withheld from their monthly salaries or wages), and the company itself gives a subsidy to them. The total money – participants' installments and the subsidy – is pooled in the plan and used for the purchase of shares of the company at regular intervals. The plan is divided into two types – one is so-called securities company-service plan which is directly managed by the association with the technical help of a securities company (shares are held in the name of the association representative), and the other is referred to as the trust bank-service plan which is managed by a trust bank under a contract between the participants and the trust bank (shares are held in the name of the trust bank).

Average Number of Units of Shares Held by a Participant Employee and Market Value Thereof  
(All listed companies)

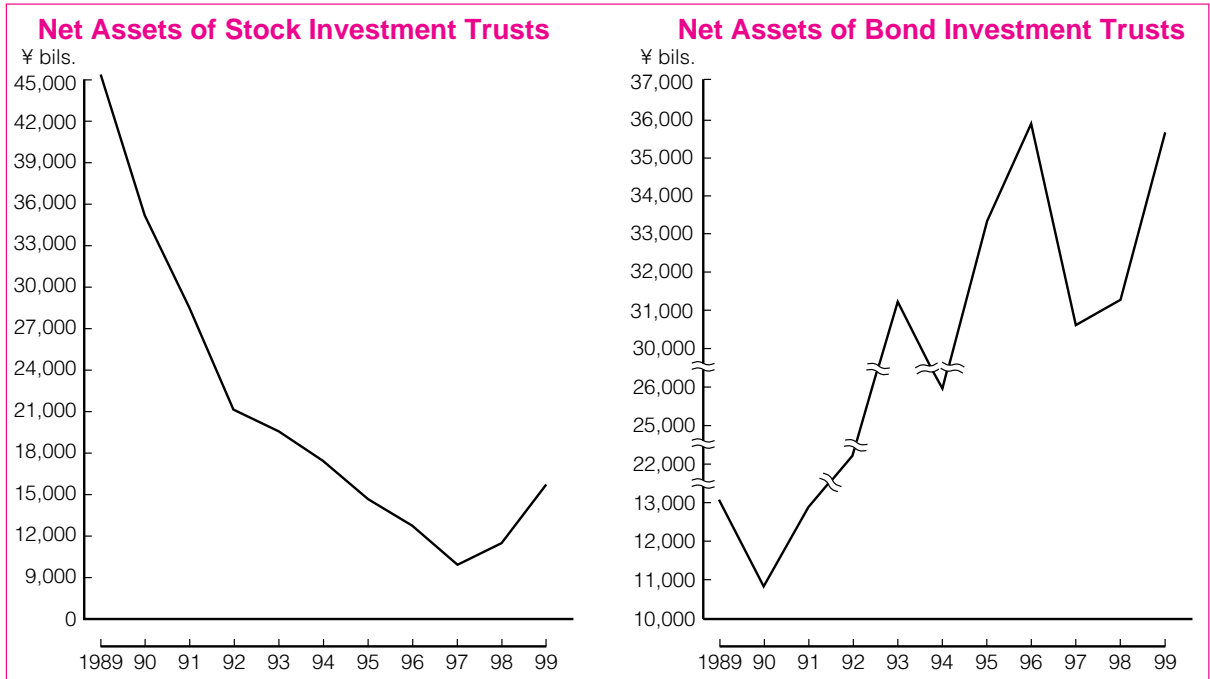
	1997.3	1998.3	1999.3
No. of Units of Shares	2.10	2.33	2.62
Market Value (¥10 thous.)	133.3	123.8	137.4

### Employee Stock Ownership Plans (All Listed Cos.)

		1997.3	1998.3	1999.3
No. of Listed Cos.	A	2,339	2,387	2,426
No. of Cos. with the Plans	B	2,238	2,290	2,337
B/A	%	95.7	95.9	96.3
No. of Units Issued by Listed Cos. (10 thous. of units)	C	47,714.3	49,461.3	51,436.7
No. of Units Issued by Cos. with the Plans (10 thous. of units)	D	47,060.1	48,781.9	50,854.3
No. of Units Owned by the Plans (10 thous. of units)	E	569.6	626.9	690.0
E/C	%	1.19	1.27	1.34
E/D	%	1.21	1.29	1.36
Total No. of Employees of Cos. with the Plans (10 thous.)	F	545.2	539.6	531.3
Total No. of Participants in the Plans (10 thous.)	G	270.5	268.2	262.8
No. of Units per Participant	E/G	2.10	2.33	2.62

## Investment Trusts

### Size of Investment Trusts



### Money in Investment Trusts

(¥ bil.)

During	Stock Investment Trusts 1)				Bond Investment Trusts 3)			
	Amount Newly Issued	Redemptions	Net Increase	Total Net Assets 2)	Amount Newly Issued	Redemptions	Net Increase	Total Net Assets
1990	15,789	15,552	236	35,072	9,632	11,931	-2,298	10,921
1991	8,640	15,078	-6,438	28,562	9,258	7,536	1,721	12,911
1992	7,356	11,307	-3,951	21,103	21,446	12,333	9,112	22,197
1993	10,520	12,895	-2,374	19,547	40,624	31,909	8,715	31,190
1994	10,346	12,771	-2,424	17,451	36,575	41,723	-5,147	25,956
1995	6,629	9,271	-2,641	14,681	41,209	33,999	7,209	33,275
1996	10,510	11,700	-1,190	12,779	41,774	39,167	2,606	35,888
1997	7,850	8,642	-792	9,986	44,504	49,748	-5,243	30,662
1998	7,982	5,438	2,543	11,496	44,407	43,752	655	31,243
1999	12,826	12,265	561	15,696	64,036	59,591	4,445	35,657

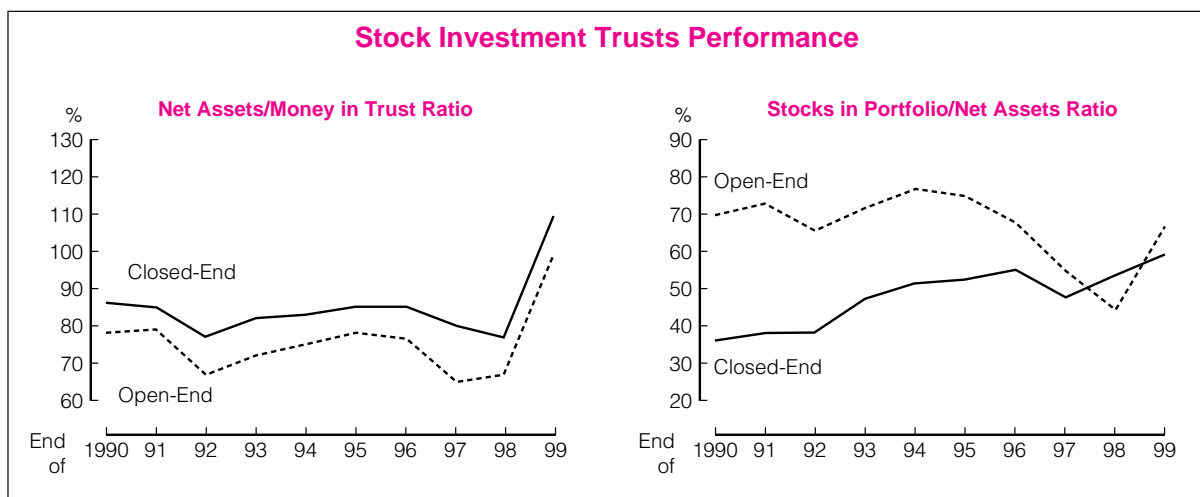
Notes: 1. Convertible bond investment trusts included in stock investment trusts.

2. Total net assets at the end of each year.

3. "Government note funds" and "New government bond funds" included in bond investment trusts.

Source: The Investment Trust Association

## Performance of Investment Trusts



## Investment Trust Performance

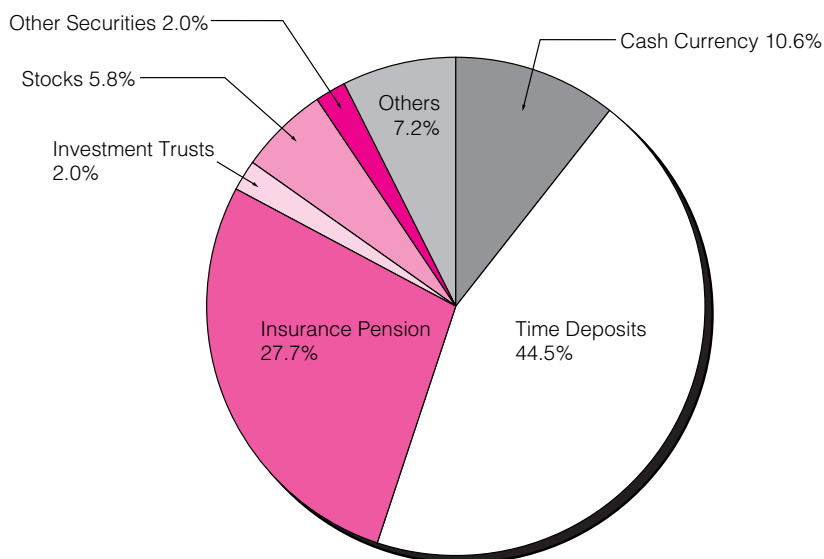
End of	Stock Investment Trusts						Bond Investment Trusts	
	Net Assets/ Money in Trusts (%)		Net Purchase of Stocks (¥ bil.)		Stocks in Portfolio/ Net Assets(%)		Bonds in Portfolio/ Net Assets (%)	
	Closed-End	Open-End	Domestic Stocks	Foreign Stocks	Closed-End	Open-End	Other than Gov't Note Funds	Gov't Note Funds
1990	86.7	78.3	1,614	273	35.8	68.3	75.0	88.6
1991	86.4	78.4	-1,458	-69	38.0	70.2	81.0	91.0
1992	77.5	66.5	-105	-285	38.7	65.6	66.4	89.9
1993	81.4	72.1	-190	432	47.3	71.1	62.2	91.0
1994	83.7	74.9	-1,291	484	50.6	76.0	68.0	87.5
1995	84.6	77.6	-1,052	-379	51.4	74.1	64.9	83.5
1996	84.7	76.9	-939	-434	53.1	68.6	62.8	87.4
1997	80.1	65.1	-1,569	-118	47.2	54.5	68.4	85.1
1998	77.0	67.4	-434	455	54.3	43.6	56.5	86.1
1999	109.4	98.9	1,293	-105	59.3	66.6	54.4	76.0
Jan.	78.3	69.3	1	-31	57.4	43.4	54.3	86.9
Feb.	79.2	69.2	42	-4	58.4	44.1	54.4	82.6
Mar.	87.3	74.6	-155	-58	60.3	16.3	56.9	81.0
Apr.	90.5	78.0	29	-43	60.5	47.8	53.6	77.0
May	88.4	76.1	102	-31	57.9	47.8	55.9	83.3
June	96.9	81.6	-67	25	55.9	51.4	55.8	80.1
July	98.3	82.9	6	-33	54.3	52.5	53.2	81.6
Aug.	98.4	83.0	271	4	54.5	55.0	54.7	84.4
Sept.	100.4	84.4	405	18	53.4	58.3	54.7	81.2
Oct.	100.8	86.8	236	-22	55.9	60.2	51.9	78.9
Nov.	106.4	92.9	74	53	57.0	64.2	52.0	75.5
Dec.	109.4	98.9	345	17	59.3	66.6	54.4	76.0

Note: Allocation of new shares included in the net purchase of stocks.

Source: The Investment Trust Association

## Financial Assets of Individuals

Breakdown of Financial Assets of Individuals (1999.9)



### Financial Assets of Individuals

End of Year	1997.12		1998.12		1999.9	
	¥ trils.	%	¥ trils.	%	¥ trils.	%
Cash Currency	132	10.4	140	10.8	141	10.6
Time Deposits	563	44.4	586	45.3	592	44.5
Insurance Pension	345	27.2	358	27.7	368	27.7
Investment Trusts	26	2.1	26	2.0	26	2.0
Stocks	59	4.7	55	4.3	77	5.8
Other Securities	30	2.4	27	2.1	27	2.0
Others	109	8.6	98	7.6	96	7.2
<b>Total</b>	<b>1,267</b>	<b>100.0</b>	<b>1,293</b>	<b>100.0</b>	<b>1,329</b>	<b>100.0</b>

Note: Amounts of stocks are based on market prices.  
Source: Bank of Japan

## Securities Companies in Overview

### Requirements for Securities Companies

In order to encourage new entrants into the securities industry, the Securities & Exchange Law, which previously allowed only stock corporations licensed by the Minister of Finance to conduct securities business, was amended. (The amendments took effect in December 1999.) The amended law enables stock companies to enter the industry by only registering with the Financial Reconstruction Commission.

However, under the law, entering other business areas in the industry such as OTC securities derivatives trading, underwriting and PTS (Proprietary Trading System) business, still requires approval from the Commission.

For the protection of public interest and investors, a minimum amount of share capital is required for securities companies according to the area of business they are engaged in.

List of TSE members:[www.tse.or.jp/english/member/eindex.html](http://www.tse.or.jp/english/member/eindex.html)

### Minimum Share Capital Required for Securities Companies

End of 1999

Securities companies		¥100 mil.
Companies dealing with OTC securities derivatives trading		¥1,000 mil.
Companies dealing with underwriting	Companies which can decide on the conditions of underwriting contracts	¥3,000 mil.
	Others	¥500 mil.
Companies dealing with PTS business		¥300 mil.

### Number of Securities Companies by Size of Share Capital

End of 1999

Share Capital (¥ bil.)	Under 0.2	0.2~0.99	1~2.99	3~4.99	5 & over	Total
Securities Companies	63	81	55	11	76	286
Regular Mebers of TSE	—	27	26	9	61	123

Notes : Excluding 2 Saitori member companies.

Source : Japan Securities Dealers Association

### **Business Offices, Shareholders' Equity and Workforce of Securities Companies**

The number of securities companies in Japan at the end of 1999, remained unchanged from the preceding year.

Business offices decreased by 41 to 2,294 from a year earlier.

Shareholders' equity of all securities companies as of the end of March 1999 decreased by 233 bil-

lion yen over the preceding year to 5,272 billion yen.

The total workforce of all securities companies decreased to 94 thousand at the end of 1999, down 3 thousand from the year earlier.

#### **Number of Securities Companies in Japan**

End of	No. of Securities Companies	No. of Securities Companies' Offices	Shareholders' Equity (¥ bil.)	Workforce
1989	271	3,000	5,943	152,225
1990	272	3,198	7,504	161,695
1991	267	3,297	7,846	159,653
1992	265	3,072	7,333	148,306
1993	268	2,919	6,710	135,492
1994	277	2,879	6,824	130,533
1995	282	2,761	6,731	121,621
1996	289	2,740	6,916	115,806
1997	291	2,625	6,223	110,602
1998	288	2,335	5,505	97,306
1999	288	2,294	5,272	64,136

Source: Japan Securities Dealers Association

#### **Number of Member Companies in Each Stock Exchange**

End of 1999

	Tokyo	Osaka	Nagoya	Kyoto	Hiroshima	Fukuoka	Niigata	Sapporo
Regular Members	123	103	38	25	16	20	13	13
Foreign Members	(23)	(24)	(1)	(-)	(-)	(-)	(-)	(-)
Special Members	-	-	1	-	-	-	-	-
Saitori Members	1	-	1	-	-	-	-	-
Total	124	103	40	25	16	20	13	13

- Notes:
1. Saitori Members are specialized in matching orders placed by Regular Members.
  2. Special Members are specialized in taking a position as a dealer on regional SEs and liquidating the position on major SEs.

## Balance Sheet of TSE Members

At the close of a business year ended in March 1999, the total assets of TSE members (120 securities companies) decreased by 997 billion yen over the preceding year to 86,403 billion yen.

Liabilities decreased by 809 billion yen to 81,863 billion yen, and shareholders' equity also decreased by 187 billion yen to 4,540 billion yen.

Net property, i.e., shareholders' equity plus specific reserves and appraisal gain (or loss) of securities came to 4,747 billion yen, a decrease of 482 billion yen.

### Balance Sheet of All TSE Members (120 Securities Companies)

(¥ bills., %)

As of March 31	1998	1999
<b>Assets</b>		
Current Assets	84,458 ( 96.6)	83,474 ( 96.6)
Bank Balance, Cash and Other Deposits	1,546 ( 1.8)	2,659 ( 3.1)
Short-Term Loans	1,455 ( 1.7)	1,183 ( 1.4)
Special Trading Account	16,106 ( 18.4)	16,795 ( 19.4)
Securities in Inventory	1,412 ( 1.6)	847 ( 1.0)
(Stocks)	120 ( 0.1)	18 ( 0.0)
(Bonds)	1,073 ( 1.2)	745 ( 0.9)
Margin Transactions (Loans)	1,348 ( 1.5)	1,565 ( 1.8)
Securities Deposited by Others	38,352 ( 43.9)	35,915 ( 41.6)
Fixed Assets	2,942 ( 3.4)	2,921 ( 3.4)
<b>Total Assets</b>	<b>87,400 (100.0)</b>	<b>86,403 (100.0)</b>
<b>Liabilities</b>	<b>82,672 ( 94.6)</b>	<b>81,863 ( 94.7)</b>
Current Liabilities	81,015 ( 92.7)	79,591 ( 92.1)
Short-Term Borrowings	3,169 ( 3.6)	2,749 ( 3.2)
Advance Received	1,583 ( 1.8)	605 ( 0.7)
Special Trading Account	14,828 ( 17.0)	16,031 ( 18.6)
Margin Transactions (Borrowings)	773 ( 0.9)	1,066 ( 1.2)
Securities Borrowed for Short Term	31,485 ( 36.0)	31,629 ( 36.6)
Guarantee Money Received and		
Securities Deposited in Lieu of Cash	7,930 ( 9.1)	5,022 ( 5.8)
Fixed Liabilities	1,373 ( 1.6)	2,251 ( 2.6)
Specific Reserves	284 ( 0.3)	20 ( 0.0)
<b>Shareholders' Equity</b>	<b>4,727 ( 5.4)</b>	<b>4,540 ( 5.3)</b>
<b>Total Liabilities &amp; Equity</b>	<b>87,400 (100.0)</b>	<b>86,403 (100.0)</b>
<b>Net Property</b>	<b>5,229</b>	<b>4,747</b>

## Tax on Dividend

### Tax on Dividend

As of April, 2000

Tax-Payer	Income	Taxation	Remarks
Individual	Dividend on Shares	<ol style="list-style-type: none"> <li>1. If annual dividend per issue of stock is ¥100 thousand or less,                             <ol style="list-style-type: none"> <li>a. Income Tax Choice from the following;                                     <ol style="list-style-type: none"> <li>(1) Aggregate taxation (20% tax withheld at source); or</li> <li>(2) No statement of dividend in tax return – hence separate taxation (20% tax withheld at source).</li> </ol> </li> <li>b. Inhabitant Tax Not taxable</li> </ol> </li> <li>2. If annual dividend per issue of stock is more than ¥100 thousand but less than ¥500 thousand, and further if he owns less than 5% of shares of the company,                             <ol style="list-style-type: none"> <li>a. Income Tax Choice from the following;                                     <ol style="list-style-type: none"> <li>(1) Aggregate taxation (20% tax withheld at source); or</li> <li>(2) Separate taxation (35% tax withheld at source).</li> </ol> </li> <li>b. Inhabitant Tax Aggregate taxation</li> </ol> </li> <li>3. If annual dividend per issue of stock is ¥500 thousand or more or the number of shares held is 5% or more of the total outstanding shares,                             <ol style="list-style-type: none"> <li>a. Income Tax Aggregate taxation (20% tax withheld at source)</li> <li>b. Inhabitant Tax Aggregate taxation</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>a. Income Tax In case of aggregate taxation, 10% of dividend income can be credited to tax liabilities. If the aggregate taxable income is more than ¥10 million, the tax credit rate on dividend is reduced to 5% for the amount of dividend up to the balance derived by subtracting ¥10 million from the aggregate taxable income.</li> <li>b. Inhabitant Tax With the exception that annual dividend income per issue is ¥100,000 or less, 2.8% of dividend income can be credited to tax liabilities. If the aggregate taxable income is more than ¥10 million, the tax credit rate on dividend is reduced to 1.4% for the dividend up to the balance derived by subtracting ¥10 million from the aggregate taxable income.</li> </ol>
	Dividend on Stock Investment Trusts & Bond Investment Trusts	Separate taxation (20% tax withheld at source: Income Tax – 15%, Inhabitant Tax – 5%)	
Corporation	Dividend on Shares	80% of the total amount of dividend received is not taxable.	In case a corporation owns 25% or more shares of another corporation, the amount of dividend received on the said shares is not taxable.

## Tax on Interest, Capital Gains

### Tax on Interest

As of April, 2000

Tax-Payer	Income	Taxation	Remarks
Individual	Interest on Bonds	Separate Taxation (20% tax withheld at source: Income Tax – 15%, Inhabitant Tax – 5%)	Tax is collected at time of issuance of such bonds.
	Redemption Profit of No-coupon Bonds	a. Income Tax Separate taxation (18% tax withheld at source) b. Inhabitant Tax Not taxable	
Corporation	Interest Income	Taxable	

### Tax on Capital Gains

Tax-Payer	Taxation
Individual	Capital gains from sales of shares, subscription rights warrants, convertible bonds and bonds with stock subscription warrants are taxable. Choice from the followings: (1) Effective 1.05% (for shares, otherwise 0.5%) withholding tax on the value of the sale. (2) 26% (Income Tax-20%, Inhabitant Tax-6%) of the profits from the sale. ((1) is to be abolished on April 1, 2001.)
Corporation	Capital gains are taxable. Capital losses are deductible from taxable income

Note: Securities transfer tax and exchange transfer tax were abolished on April 1, 1999.

# CROSS BORDER CAPITAL FLOW

[Go to the Contents](#)

## Financing

### Overseas Financing by Japanese Companies

The amount of funds raised by Japanese companies in overseas securities markets in 1999 increased by 696 billion yen to 2,035 billion yen due to sharp increase in offerings of straight bonds and convertible bonds.

The offerings of stocks decreased extremely by 216 billion yen to 103 billion yen as a reaction against sharp decline in 1997.

The offerings of straight bonds increased by 406

billion yen to 1,307 billion yen.

The offerings of convertible bonds are influenced by the bullish stock market and it resulted in the increase by 289 billion yen to 407 billion yen.

The offerings of bonds with warrants reached to 216 billion yen.

### Overseas Financing by Japanese Companies

(¥ bills.)

	Stocks	Bonds			Total
		Straight Bonds	Convertible Bonds	Bonds with Stock Subscription warrants	
1995	4	550	418	492	1,465
1996	547	1,160	575	646	2,930
1997	191	1,403	547	62	2,205
1998	319	901	118	—	1,339
1999	103	1,307	407	216	2,035
Jan.	—	33	10	—	43
Feb.	—	147	112	—	259
Mar.	—	186	10	—	197
Apr.	—	18	1	—	19
May	56	299	3	215	574
June	—	190	8	—	199
July	—	171	39	0	211
Aug.	12	15	63	—	91
Sept.	—	48	32	—	80
Oct.	27	38	108	—	175
Nov.	6	102	6	0	115
Dec.	—	54	11	—	65

Notes: 1. Figures exclude Bank Debentures.

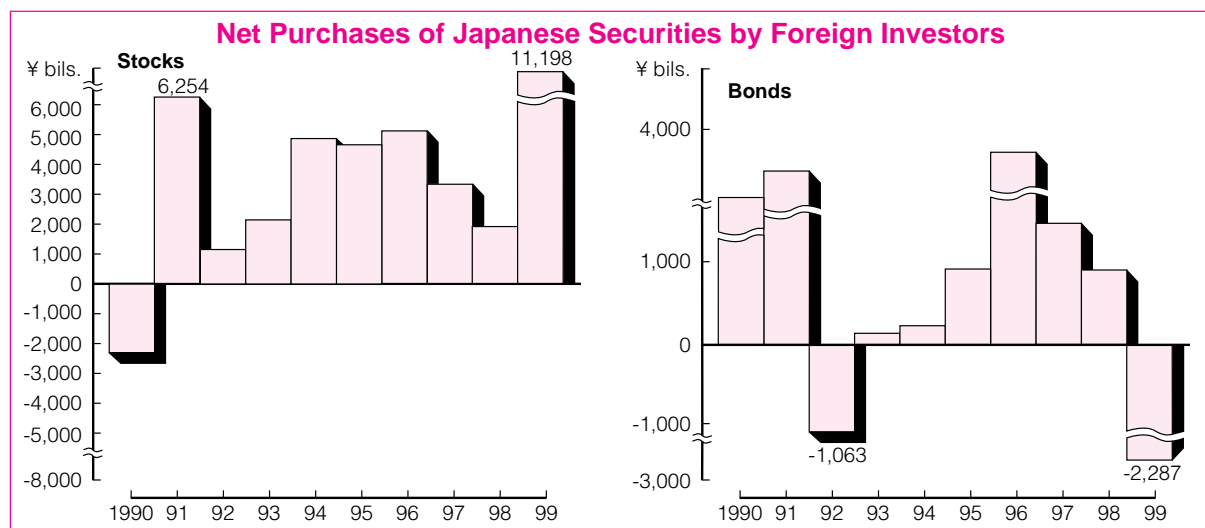
2. Figures include offerings by unlisted companies.

Source: Japan Securities Dealers Association



## Securities Investment

### Foreign Investment in Japanese Securities



### Foreign Investment in Japanese Securities

(¥ bills.)

During	Stocks			Bonds		
	Purchases	Sales	Net Balance	Purchases	Sales	Net Balance
1990	18,210	20,533	-2,323	28,287	25,752	2,535
1991	19,263	13,008	6,254	23,321	20,386	2,935
1992	12,175	11,030	1,144	19,461	20,524	-1,063
1993	17,000	14,857	2,142	19,055	19,042	13
1994	21,960	17,094	4,865	17,462	17,293	169
1995	20,608	15,977	4,631	16,463	15,574	888
1996	27,754	22,646	5,108	21,544	17,670	3,874
1997	32,557	29,245	3,311	24,576	21,788	2,787
1998	31,036	29,111	1,924	24,456	23,628	829
1999	62,038	50,839	11,198	47,287	49,575	-2,287
Jan.	2,037	2,046	-9	1,660	1,473	186
Feb.	2,719	2,043	676	1,552	894	657
Mar.	5,333	3,398	1,935	1,455	1,462	-7
Apr.	4,766	3,773	993	13,356	15,356	-1,999
May	3,952	3,413	538	4,979	5,883	-903
June	5,049	3,987	1,061	4,451	6,478	-2,027
July	5,930	4,793	1,136	3,104	2,959	145
Aug.	5,589	4,531	1,058	3,562	3,869	-306
Sept.	6,236	5,710	526	3,678	2,634	1,043
Oct.	5,826	4,924	902	3,075	2,912	162
Nov.	7,734	6,305	1,429	3,503	3,121	381
Dec.	6,861	5,912	948	2,908	2,529	379

Note: Calculated on the basis of "Indirect Investment" which means acquisition of shares less than 10% of the outstanding shares of a company by a foreign investor. Figures collected at the time of trade settlement.

Source: Ministry of Finance

### Foreigners' Stock Trading on Japanese Stock Exchanges by Regions

The total amount of foreigners' trading of Japanese stock exchanges (purchases + sales) in 1999 increased by 46,958 billion yen or 83.6% to 103,079 billion yen from the previous year. Foreign purchases and sales of Japanese stocks in 1999 increased to 56,104 billion yen and 46,974 billion yen, respectively.

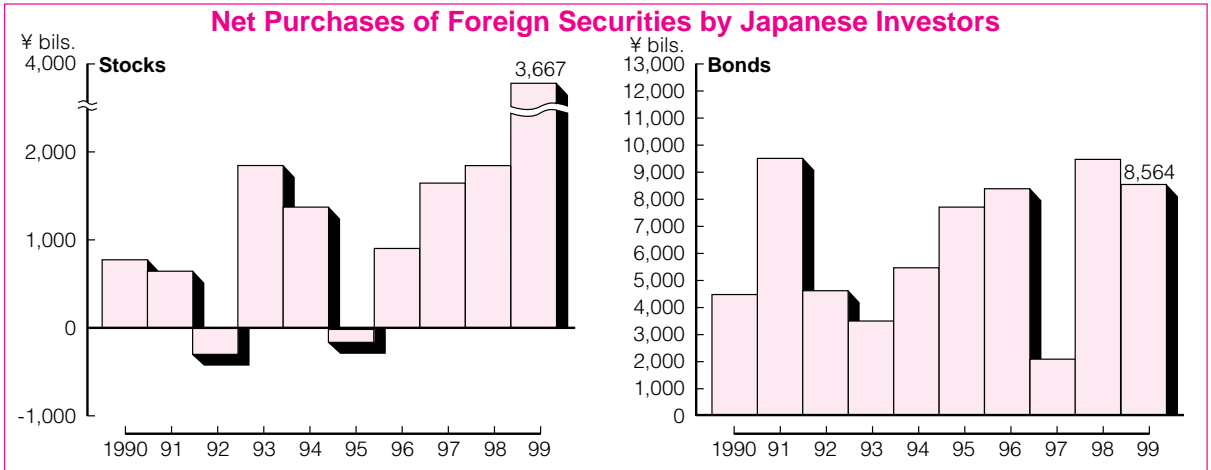
By regions, US investors are the net purchasers of 6,070 billion yen. The European, Asian and other region's investors are the net sellers of 1,559 billion yen, 1,490 billion yen and 10 billion yen respectively.

#### Foreigners' Stock Trading on Japanese Stock Exchanges by Regions (All Stock Exchanges)

							(¥ bil.)
		During	1995	1996	1997	1998	1999
Total	Purchases		20,085	25,619	30,572	27,915	56,104
	Sales		15,916	22,237	29,097	28,206	46,974
	Net		4,169	3,381	1,475	-29	9,130
United States	Purchases		7,969	8,637	11,982	12,659	25,544
	Sales		5,570	7,732	10,875	11,745	19,474
	Net		2,399	904	1,107	914	6,070
Europe	Purchases		8,115	11,114	12,513	9,997	19,533
	Sales		6,623	9,095	11,417	10,972	17,974
	Net		1,493	2,054	1,095	-975	1,559
Asia	Purchases		3,106	4,906	4,900	4,496	9,988
	Sales		2,851	4,491	5,408	4,669	8,497
	Net		255	414	-508	-173	1,490
Others	Purchases		895	960	1,176	762	1,038
	Sales		872	953	1,396	818	1,028
	Net		23	6	-219	-55	10

Note: Calculated on the basis of reports from "integrated" securities companies.

## Japanese Investment in Foreign Securities



## Japanese Investment in Foreign Securities

(¥ bil.)

During	Stocks			Bonds		
	Purchases	Sales	Net Balance	Purchases	Sales	Net Balance
1990	11,184	10,295	888	200,890	196,617	4,272
1991	6,791	6,284	506	171,061	161,604	9,457
1992	4,424	4,837	-413	136,011	131,288	4,722
1993	6,631	4,814	1,816	152,229	148,862	3,366
1994	6,516	5,018	1,498	103,548	98,098	5,450
1995	4,915	4,944	-288	121,243	113,429	7,814
1996	8,709	7,780	929	149,969	141,572	8,397
1997	13,619	11,977	1,642	177,449	175,421	2,028
1998	16,250	14,407	1,843	161,197	151,733	9,464
1999	19,829	16,161	3,667	90,336	81,772	8,564
Jan.	1,368	1,458	-89	9,465	9,940	-475
Feb.	1,319	1,134	184	7,471	8,130	-658
Mar.	1,643	1,563	80	9,208	10,220	-1,012
Apr.	2,088	1,620	468	8,677	5,828	2,848
May	1,719	1,446	273	7,000	5,879	1,121
June	1,638	1,275	363	8,895	7,156	1,738
July	1,522	1,336	185	7,001	6,395	605
Aug.	1,697	1,200	497	7,016	5,790	1,226
Sept.	1,581	1,118	462	8,410	6,687	1,723
Oct.	1,582	1,026	556	5,757	4,705	1,052
Nov.	1,675	1,275	400	6,781	6,570	211
Dec.	1,991	1,705	286	4,650	4,467	182

Note: Calculated on the basis of "Indirect Investment". Figures collected at the time of trade settlement.  
Source: Ministry of Finance

## Historical Highlights

- May 15, 1878 “Tokyo Stock Exchange Co., Ltd.” established.
- June 30, 1943 “Japan Securities Exchange”, a quasi-governmental organization, organized by merger of all existing stock exchanges in Japan.
- Apr. 16, 1947 “Japan Securities Exchange” dissolved.
- Apr. 1, 1949 “Tokyo Stock Exchange” in the present form founded (opened on May 16).
- June 1, 1951 Margin transaction introduced.
- Apr. 2, 1956 Bond trading started.
- Oct. 2, 1961 Second Section for stocks opened.
- Oct. 1, 1966 Government bonds listed for the first time after World War II.
- Oct. 2, 1967 New auction process put into practice with abolition of “Baikai” trades (off-Exchange trades by members reported as Exchange contracts).
- Apr. 1, 1968 Licensing system for securities companies introduced in place of registration system.
- July 1, 1969 TOPIX (Tokyo Stock Price Index) inaugurated (Jan. 4, 1968=100).
- May 11, 1970 Trading in convertible bonds started.
- Oct. 15, 1970 TSE joined in the International Federation of Stock Exchanges (FIBV).
- July 19, 1971 Book Entry Clearing System for stocks introduced.
- Apr. 2, 1973 Yen-based foreign bonds listed for the first time.
- Dec. 18, 1973 Foreign Stock Section opened.
- Sept. 24, 1974 Market Information System (MIS) put into operation.
- Jan. 23, 1982 Computer-assisted Order Routing & Execution System (CORES) introduced.
- May 20, 1982 East Asian and Oceanian Stock Exchanges Federation (EAOSEF) established.
- May 13, 1985 Trading started in new market building.
- Oct. 19, 1985 Trading in 10-year Japanese government bond futures started.
- Sept. 3, 1988 Trading in stock index futures based on TOPIX started.
- Oct. 20, 1989 Trading in stock index options based on TOPIX started.
- Dec. 1, 1989 Trading in U.S. T-Bond futures started.
- May 11, 1990 Trading in options on Japanese government bond futures started.
- Nov. 26, 1990 Floor Order Routing and Execution System (FORES) introduced.
- Oct. 9, 1991 Central Depository & Clearing System began its operation.
- May. 29, 1995 Investment Trust Beneficiary Certificate linked to “Nikkei 300 Stock Index Listed Fund” listed for the first time.
- July. 18, 1997 Trading in equity options started.
- Nov. 14, 1997 Off-hours trading started.
- Feb. 6, 1998 Bond Trading Floor closed. (The floor-based trading for bonds was transferred to Bond Trading System and Bond Network System on Feb. 9, 1998.)
- June 29, 1998 ToSTNeT-1, an electronic trading system for off-hours trading began its operation (ToSTNeT-2 began its operation on Aug. 7, 1998).
- July 1, 1998 TDnet, an electronic system for the listed companies’ corporate disclosure, began its operation.
- Dec. 1, 1998 Restriction on off-exchange trading for listed securities abolished.
- Registration system for securities companies introduced in place of licensing system.
- Apr. 30, 1999 Stock Trading Floor closed.
- Oct. 1, 1999 Brokerage commission was fully liberalized and became negotiable.
- Fixed number of members abolished.
- Nov. 11, 1999 Mothers(Market of the high-growth and emerging stocks), a new market section for emerging companies established.(First 2 issues were listed on Dec. 22)

## Stock Trading Volume (Domestic Stocks)

	No. of Trading Days	Total	Daily Average	(mils. of shares)				Turnover Ratio (%)
				High		Low		
				Value	Date	Value	Date	
1949	192	255	1	2	8/26	0	11/26	18.4
1950	301	512	1	9	7/17	0	2/ 4	25.6
1951	300	821	2	6	1/31	0	1/ 4	30.4
1952	301	2,002	6	15	11/24	1	3/29	52.4
1953	299	2,091	6	22	2/ 2	1	7/ 4	36.6
1954	301	1,238	4	13	12/24	1	8/ 7	15.8
1955	300	2,505	8	27	2/ 9	2	5/28	26.0
1956	304	6,692	22	89	11/ 2	5	1/28	52.2
1957	302	7,691	25	80	1/ 7	8	11/16	45.5
1958	300	11,684	38	121	10/ 7	7	1/ 4	58.5
1959	299	21,200	70	189	12/ 2	21	4/25	89.8
1960	302	27,230	90	226	9/30	20	1/ 4	92.4
1961	301	31,456	104	252	4/11	27	10/28	75.5
1962	302	35,970	119	351	11/ 8	41	5/19	64.8
1963	302	40,779	135	604	4/ 1	32	7/27	63.2
1964	301	29,344	97	375	1/14	31	9/19	39.8
1965	301	34,838	115	688	1/21	24	6/12	43.9
1966	298	35,938	120	332	3/ 3	42	8/22	44.1
1967	299	28,805	96	440	2/ 2	25	11/18	33.8
1968	302	46,885	155	581	10/ 1	30	1/ 4	51.7
1969	297	50,985	171	358	5/30	33	8/23	52.0
1970	297	42,753	143	437	1/ 6	52	5/23	39.4
1971	299	60,818	203	559	12/22	60	10/23	51.4
1972	297	100,357	337	1,076	11/14	91	4/22	79.0
1973	287	59,247	206	1,065	1/18	48	9/10	43.0
1974	285	51,000	178	571	5/17	47	9/28	34.4
1975	284	51,906	182	401	2/28	62	8/23	32.6
1976	286	69,941	244	645	1/12	90	7/19	40.9
1977	286	71,195	248	920	8/31	101	5/28	39.4
1978	285	98,555	345	864	12/ 8	148	5/27	52.1
1979	286	98,245	343	913	5/11	138	6/ 9	50.2
1980	285	102,245	358	939	2/15	140	6/ 9	50.2
1981	285	107,549	377	1,389	4/ 8	114	12/26	50.0
1982	285	78,473	275	822	10/ 8	108	5/31	34.6
1983	286	104,308	364	996	1/ 7	121	11/ 5	44.3
1984	287	103,737	361	965	3/30	123	5/26	42.5
1985	285	121,862	427	1,366	9/26	162	12/21	48.0
1986	279	197,699	708	2,335	8/21	141	1/ 4	75.1
1987	274	263,611	962	2,839	3/27	210	1/ 5	96.1
1988	273	282,636	1,035	2,867	7/ 6	186	1/ 4	98.1
1989	249	222,599	893	2,212	2/23	275	7/17	73.1
1990	246	123,095	500	1,101	10/19	195	12/28	38.4
1991	246	93,605	380	1,462	2/19	138	12/ 9	28.4
1992	247	66,407	268	840	8/28	116	12/30	19.9
1993	246	86,934	353	1,552	4/ 2	81	1/ 4	25.9
1994	247	84,514	342	1,117	6/10	120	1/ 4	24.9
1995	249	92,033	369	1,419	9/ 8	82	1/ 4	26.8
1996	247	100,170	405	1,362	3/ 8	154	12/30	28.9
1997	245	107,566	439	1,270	11/27	165	1/ 6	30.7
1998	247	123,198	498	1,345	9/11	130	12/30	35.2
1999	245	155,163	633	1,705	6/11	120	1/ 4	44.1

## Stock Trading Value (Domestic Stocks)

	(¥ mils.)						
	Total	Daily Average	High		Low		Turnover Ratio (%)
			Value	Date	Value	Date	
1949	36,757	191	469	8/26	66	11/26	26.7
1950	49,950	166	844	7/17	47	1/28	34.3
1951	92,439	308	968	10/26	79	1/ 4	43.4
1952	352,213	1,170	4,575	12/16	177	3/29	78.5
1953	473,125	1,582	4,803	3/ 5	423	7/ 4	63.6
1954	183,760	613	1,785	12/24	197	8/ 7	23.1
1955	283,919	946	3,453	11/ 1	240	5/28	31.5
1956	815,853	2,684	9,635	11/ 2	595	1/28	60.5
1957	981,666	3,251	9,940	1/17	892	7/27	59.2
1958	1,579,750	5,266	17,397	10/ 7	911	1/ 4	79.0
1959	3,708,125	12,402	31,872	10/14	3,449	4/25	121.6
1960	5,803,585	19,217	46,030	3/31	3,600	1/ 4	126.3
1961	6,342,720	21,072	62,250	4/ 3	4,579	11/18	109.8
1962	6,849,248	22,680	54,407	11/12	6,366	4/21	99.3
1963	5,748,445	19,035	83,109	4/ 1	4,159	10/14	76.2
1964	3,429,791	11,395	42,118	1/14	3,699	4/ 4	46.2
1965	4,004,551	13,304	82,084	1/21	2,075	6/12	50.3
1966	5,266,520	17,673	57,566	2/ 9	5,202	10/22	58.8
1967	4,311,032	14,418	43,569	2/ 2	3,792	12/28	46.2
1968	8,433,629	27,926	93,013	10/ 1	4,601	1/20	76.9
1969	13,891,316	46,772	124,939	11/17	8,614	8/23	89.6
1970	9,152,455	30,816	85,411	1/ 6	10,277	12/26	52.9
1971	13,980,301	46,757	131,339	4/14	10,734	1/ 4	71.8
1972	21,435,235	72,173	202,347	11/14	18,951	4/22	60.6
1973	14,904,472	51,932	253,353	1/23	11,834	9/10	34.4
1974	12,390,319	43,475	137,534	5/17	11,455	9/28	33.2
1975	15,566,058	54,810	154,217	5/16	14,261	1/11	39.3
1976	23,662,168	82,735	216,984	12/17	28,945	7/31	49.2
1977	21,500,060	75,175	193,945	8/31	30,497	5/28	41.1
1978	32,534,301	114,155	265,158	3/29	45,010	5/27	55.2
1979	34,911,285	122,067	305,407	10/ 1	44,292	6/ 9	51.5
1980	36,489,558	128,034	247,596	10/ 3	53,714	3/29	49.9
1981	49,364,571	173,209	472,362	5/ 1	50,288	12/26	58.4
1982	36,571,457	128,320	579,505	10/ 8	48,401	5/31	38.5
1983	54,844,791	191,765	496,110	6/21	67,825	11/ 5	48.8
1984	67,974,003	236,843	575,652	3/28	83,682	7/21	47.1
1985	78,711,048	276,179	727,316	9/26	110,512	8/ 5	44.7
1986	159,836,218	572,890	1,682,060	9/26	115,244	1/ 4	67.2
1987	250,736,971	915,098	2,382,114	3/27	221,230	12/ 5	80.6
1988	285,521,260	1,045,865	2,768,810	10/28	192,704	1/ 4	70.2
1989	332,616,597	1,335,810	2,796,946	2/23	392,347	7/17	61.1
1990	186,666,820	758,808	1,464,920	6/27	218,205	12/28	37.7
1991	110,897,491	450,803	1,531,064	2/19	151,565	12/ 9	29.3
1992	60,110,391	243,362	686,737	9/ 4	97,616	12/30	18.0
1993	86,889,072	353,208	1,422,760	4/ 2	61,747	1/ 4	28.3
1994	87,355,567	353,666	1,114,216	2/ 1	123,904	1/ 4	25.6
1995	83,563,906	335,598	1,337,999	9/ 8	81,884	1/ 4	23.1
1996	101,892,634	412,521	1,296,243	3/ 8	144,862	12/30	28.6
1997	108,500,228	442,858	895,742	6/13	129,042	12/30	34.5
1998	97,391,574	394,297	1,008,847	10/22	98,535	12/30	35.0
1999	185,541,796	757,313	1,779,995	12/10	91,414	1/ 4	50.7

## Stock Transactions by Investment Sectors in Percentage

	Members	Individuals	Foreigners	Insurance Cos.	Banks	Investment Trusts	Business Corporations	Others	Total (¥ bills.)
1975	19.0	58.0	4.7	1.2	1.0	5.6	7.0	3.4	20,366
1976	18.6	55.5	5.0	1.2	1.3	7.9	7.2	3.4	31,514
1977	22.0	49.1	5.2	1.6	1.9	9.3	7.1	3.8	29,136
1978	20.4	48.6	5.0	1.4	2.4	10.5	7.2	4.5	42,913
1979	22.3	48.0	4.1	1.2	3.6	8.1	7.7	5.0	47,209
1980	26.0	43.6	7.4	1.1	3.5	6.2	7.3	4.9	49,400
1981	29.2	41.3	10.2	0.7	2.7	4.1	7.5	4.2	68,740
1982	29.6	40.7	10.9	1.1	2.8	3.8	6.5	4.5	61,784
1983	23.9	43.7	13.9	0.9	2.8	3.7	7.0	4.0	95,288
1984	21.2	42.8	14.1	0.8	4.5	4.2	8.7	3.8	123,310
1985	24.2	36.9	12.5	0.9	8.1	4.3	8.7	4.4	145,318
1986	26.3	29.2	10.9	1.0	12.7	4.7	10.9	4.4	320,007
1987	25.2	26.0	10.0	1.0	16.8	5.1	11.5	4.3	490,673
1988	26.5	23.7	7.4	1.1	18.9	5.9	12.4	4.1	565,242
1989	23.3	23.3	8.7	1.0	20.2	7.9	11.4	4.2	673,509
1990	24.8	23.3	9.8	2.3	17.3	8.3	9.7	4.5	400,331
1991	24.9	23.2	13.6	3.2	12.9	9.8	8.1	4.2	235,807
1992	29.4	18.0	16.5	6.5	11.0	8.0	5.8	4.8	140,504
1993	29.5	19.1	16.3	3.3	14.1	7.8	6.1	3.8	189,078
1994	31.7	15.4	18.4	3.1	17.8	5.5	5.0	3.1	203,070
1995	33.6	15.7	17.7	3.4	18.5	3.4	4.8	2.8	201,428
1996	33.0	15.3	19.9	1.6	20.0	3.6	3.8	2.8	238,040
1997	34.0	9.7	23.3	1.7	23.1	2.4	3.3	2.5	256,205
1998	33.2	9.0	26.2	1.9	22.7	1.4	3.5	2.1	214,582
1999	27.6	21.0	27.9	2.2	13.6	1.7	3.5	2.5	368.403

Note: Figures for 1975–1980 based on the 1st Section of TSE, and those since 1981 based on the 1st & 2nd Section of Tokyo, Osaka and Nagoya SEs.

## Stock Trading Volume on All Stock Exchanges

	(mils. of shares)				
	Tokyo	Osaka	Nagoya	Other Exchanges	All Exchanges
1949	255 (60.2)	119 (28.1)	25 (5.9)	25 ( 5.9)	425
1950	512 (56.2)	256 (28.2)	52 (5.8)	89 ( 9.8)	910
1951	821 (56.9)	398 (27.6)	84 (5.8)	139 ( 9.6)	1,442
1952	2,002 (57.3)	867 (24.8)	229 (6.6)	397 (11.4)	3,496
1953	2,091 (54.5)	1,060 (27.6)	264 (6.9)	422 (11.0)	3,839
1954	1,238 (56.4)	613 (28.0)	132 (6.0)	210 ( 9.6)	2,194
1955	2,505 (66.3)	825 (21.9)	188 (5.0)	257 ( 6.8)	3,776
1956	6,692 (63.2)	2,683 (25.4)	530 (5.0)	679 ( 6.4)	10,585
1957	7,691 (63.9)	3,071 (25.5)	688 (5.7)	594 ( 4.9)	12,045
1958	11,684 (65.8)	4,420 (24.9)	875 (4.9)	776 ( 4.4)	17,757
1959	21,200 (66.7)	7,897 (24.9)	1,285 (4.1)	1,397 ( 4.3)	31,782
1960	27,230 (62.8)	12,486 (28.8)	1,803 (4.2)	1,811 ( 4.2)	43,331
1961	31,456 (65.1)	13,109 (27.1)	1,882 (3.9)	1,876 ( 3.9)	48,324
1962	35,970 (67.9)	13,142 (24.8)	2,127 (4.0)	1,731 ( 3.3)	52,971
1963	40,779 (69.0)	13,981 (23.7)	2,308 (3.9)	2,047 ( 3.5)	59,116
1964	29,344 (70.2)	9,734 (23.3)	1,475 (3.5)	1,234 ( 3.0)	41,789
1965	34,838 (69.0)	12,406 (24.6)	1,602 (3.2)	1,635 ( 3.2)	50,483
1966	35,938 (69.1)	12,859 (24.7)	1,664 (3.2)	1,578 ( 3.0)	52,040
1967	28,805 (68.3)	10,668 (25.3)	1,636 (3.9)	1,048 ( 2.5)	42,159
1968	46,885 (71.4)	15,528 (23.7)	2,144 (3.3)	1,081 ( 1.6)	65,641
1969	50,985 (74.1)	14,719 (21.4)	2,247 (3.3)	901 ( 1.3)	68,853
1970	42,753 (74.9)	11,777 (20.6)	1,793 (3.1)	774 ( 1.4)	57,099
1971	60,818 (74.7)	17,746 (21.8)	1,987 (2.4)	883 ( 1.1)	81,436
1972	100,358 (74.1)	30,021 (22.2)	3,473 (2.6)	1,622 ( 1.2)	135,475
1973	59,247 (74.7)	16,799 (21.2)	2,168 (2.7)	1,145 ( 1.4)	79,361
1974	51,000 (78.4)	11,325 (17.4)	1,962 (3.0)	792 ( 1.2)	65,081
1975	51,906 (82.6)	8,549 (13.6)	1,709 (2.7)	689 ( 1.1)	62,854
1976	69,941 (84.7)	9,552 (11.6)	2,298 (2.8)	805 ( 1.0)	82,597
1977	71,195 (83.7)	10,723 (12.6)	2,362 (2.8)	830 ( 1.0)	85,111
1978	98,555 (83.2)	15,578 (13.2)	3,546 (3.0)	813 ( 0.7)	118,493
1979	98,245 (85.0)	12,828 (11.1)	3,497 (3.0)	1,022 ( 0.9)	115,594
1980	102,245 (86.0)	12,453 (10.5)	3,316 (2.8)	915 ( 0.8)	118,931
1981	107,549 (83.8)	14,862 (11.6)	4,816 (3.8)	1,088 ( 0.8)	128,317
1982	78,473 (86.0)	9,178 (10.1)	2,563 (2.8)	1,024 ( 1.1)	91,240
1983	104,308 (85.3)	13,469 (11.0)	3,374 (2.8)	1,168 ( 0.9)	122,320
1984	103,737 (83.4)	16,247 (13.1)	3,331 (2.7)	1,029 ( 0.8)	124,345
1985	121,862 (83.3)	18,295 (12.5)	5,151 (3.5)	992 ( 0.7)	146,301
1986	197,699 (82.9)	29,028 (12.2)	10,394 (4.4)	1,232 ( 0.5)	238,354
1987	263,611 (83.6)	37,133 (11.8)	13,199 (4.2)	1,497 ( 0.5)	315,441
1988	282,636 (86.1)	31,690 ( 9.7)	12,485 (3.8)	1,498 ( 0.5)	328,311
1989	222,599 (86.9)	25,096 ( 9.8)	7,263 (2.8)	1,337 ( 0.5)	256,296
1990	123,098 (84.4)	17,186 (11.8)	4,323 (3.0)	1,228 ( 0.8)	145,837
1991	93,605 (86.8)	10,998 (10.2)	2,478 (2.3)	761 ( 0.7)	107,844
1992	66,407 (80.4)	12,069 (14.6)	3,300 (4.0)	786 ( 1.0)	82,563
1993	86,934 (85.9)	10,439 (10.3)	2,779 (2.8)	1,018 ( 1.0)	101,172
1994	84,514 (79.8)	14,903 (14.1)	4,719 (4.5)	1,798 ( 1.7)	105,936
1995	92,033 (76.6)	21,093 (17.6)	5,059 (4.2)	1,961 ( 1.6)	120,148
1996	100,170 (79.2)	20,783 (16.4)	4,104 (3.3)	1,439 ( 1.1)	126,496
1997	107,566 (82.3)	15,407 (11.8)	6,098 (4.7)	1,586 ( 1.2)	130,657
1998	123,198 (88.2)	12,836 ( 9.2)	3,367 (2.4)	356 ( 0.3)	139,757
1999	155,163 (88.4)	14,972 ( 8.5)	4,934 (2.8)	384 ( 0.2)	175,455

Notes: 1. Figures in parentheses indicate percentage to the total.

2. "Other exchanges" are composed of Kyoto, Hiroshima, Fukuoka, Niigata, Sapporo and Kobe, but Kobe Exchange was dissolved on October 31, 1967

3. Excluding foreign stocks.

## The List-TSE and All Stock Exchanges in Japan\*

End of Year	No. of Cos. Listed		No. of Shares Listed (bils. of shares)		Shareholders' Equity (¥ bils.)		Market Value (¥ bils.)	
	Tokyo	All Japan	Tokyo	All Japan	Tokyo	All Japan**	Tokyo	All Japan
1949	529	681	1	1	...	...	122	128
1950	583	764	2	2	...	...	168	179
1951	554	729	3	3	...	...	256	272
1952	575	758	4	4	...	...	640	675
1953	587	784	6	7	...	...	846	893
1954	599	782	8	9	...	...	743	782
1955	596	783	10	10	...	...	1,057	1,101
1956	596	786	15	14	...	...	1,640	1,704
1957	602	789	18	19	...	...	1,674	1,745
1958	601	786	21	22	...	...	2,322	2,409
1959	603	792	25	25	...	...	3,777	3,928
1960	599	785	33	33	...	...	5,411	5,643
1961	1,007	1,265	50	50	...	...	6,140	6,429
1962	1,183	1,455	60	62	...	...	7,661	8,002
1963	1,258	1,574	68	71	...	...	7,427	7,717
1964	1,270	1,591	78	81	...	...	7,425	7,694
1965	1,255	1,577	80	83	...	...	8,510	8,804
1966	1,246	1,562	82	86	...	...	9,389	9,736
1967	1,248	1,561	87	91	...	...	9,270	9,639
1968	1,242	1,552	93	97	...	...	12,664	13,133
1969	1,250	1,556	102	107	...	...	18,353	19,030
1970	1,280	1,580	114	119	...	11,074	16,235	16,824
1971	1,303	1,606	122	127	...	13,017	22,714	23,520
1972	1,323	1,627	131	136	...	15,574	48,054	49,548
1973	1,372	1,680	144	149	17,533	18,116	38,556	40,034
1974	1,390	1,709	152	158	20,844	21,429	36,042	37,469
1975	1,398	1,713	166	173	22,586	23,413	43,244	44,779
1976	1,401	1,716	175	181	24,386	23,590	52,993	54,922
1977	1,407	1,724	185	192	26,776	27,694	51,573	53,638
1978	1,389	1,709	192	199	29,236	30,355	66,341	69,064
1979	1,398	1,723	199	206	32,539	33,782	69,302	72,023
1980	1,402	1,729	208	216	36,097	37,575	77,074	79,952
1981	1,412	1,745	222	230	41,138	42,794	91,905	94,861
1982	1,427	1,769	231	240	46,484	48,334	98,090	101,241
1983	1,441	1,789	239	249	51,286	53,303	126,745	131,230
1984	1,444	1,802	248	258	56,653	58,934	161,811	167,495
1985	1,476	1,829	258	268	62,496	65,081	190,126	196,221
1986	1,499	1,866	267	277	69,367	71,710	285,471	293,027
1987	1,532	1,912	280	290	79,816	79,878	336,706	345,604
1988	1,571	1,967	295	305	92,825	90,700	476,849	488,065
1989	1,597	2,019	313	324	110,732	104,406	611,151	630,121
1990	1,627	2,071	327	338	133,677	136,385	379,231	393,594
1991	1,641	2,107	332	344	144,998	149,827	377,924	391,985
1992	1,651	2,118	334	346	151,279	156,796	289,483	299,275
1993	1,667	2,155	337	349	153,936	159,347	324,357	335,522
1994	1,689	2,205	342	354	157,437	163,737	358,392	371,024
1995	1,714	2,263	345	358	161,717	161,315	365,716	378,299
1996	1,766	2,334	348	361	159,035	165,471	347,578	358,538
1997	1,805	2,387	351	364	168,067	174,237	280,930	288,226
1998	1,838	2,416	347	360	166,295	172,322	275,181	281,521
1999	1,892	2,470	356	369	179,244	178,397	456,840	466,215

\* Excluding foreign companies.

\*\* Excluding companies whose fiscal terms were changed during the year concerned.

## Equity Financing (All Listed Companies)

Rights Offerings		Public Offerings		Private Placements		Exercise of Warrants		Total		Stock Splits		
No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Amount Raised (¥ bil.)	No. of Cases	Shares Granted (mils. of shares)	
1955	126	64	4	0	11	0	—	—	141	64	—	—
1956	294	157	36	4	11	2	—	—	341	163	—	—
1957	292	199	40	5	10	0	—	—	342	205	—	—
1958	147	159	30	4	3	0	—	—	180	164	—	—
1959	158	152	50	10	3	0	—	—	211	163	—	—
1960	275	331	100	34	4	0	—	—	379	366	—	—
1961	465	631	224	79	6	0	—	—	695	712	—	—
1962	554	586	171	19	9	2	—	—	734	609	—	—
1963	508	409	157	36	8	7	—	—	673	452	—	—
1964	434	524	85	3	14	3	—	—	533	531	—	—
1965	95	114	19	0	8	2	—	—	122	117	—	—
1966	173	202	34	1	24	7	—	—	231	211	—	—
1967	190	193	58	4	13	3	—	—	261	202	—	—
1968	201	302	80	9	12	2	—	—	293	314	—	—
1969	300	446	145	54	14	4	—	—	459	506	—	—
1970	316	538	203	138	18	5	—	—	537	681	—	—
1971	220	409	147	83	24	44	—	—	391	536	—	—
1972	180	283	275	665	43	92	—	—	498	1,041	—	—
1973	177	344	256	565	45	30	—	—	478	939	—	—
1974	214	244	193	277	31	22	—	—	438	544	—	—
1975	166	771	103	221	16	8	—	—	285	1,001	404	3,317
1976	102	179	181	500	11	8	—	—	294	688	389	3,528
1977	120	290	238	603	48	28	—	—	406	922	448	3,762
1978	66	267	195	565	52	63	—	—	313	896	358	2,677
1979	54	261	229	628	42	62	—	—	325	953	377	2,623
1980	34	90	218	880	28	80	—	—	280	1,052	403	3,270
1981	67	493	249	1,396	20	36	—	—	336	1,926	426	3,542
1982	45	223	209	1,102	14	20	4	2	272	1,349	393	4,265
1983	18	134	72	471	23	165	18	30	131	801	355	4,208
1984	23	90	128	820	18	65	39	65	208	1,043	360	4,033
1985	40	182	103	505	18	33	70	137	231	859	371	4,390
1986	27	69	76	399	16	30	116	372	235	872	331	3,939
1987	26	436	99	1,393	22	109	241	1,073	388	3,013	354	3,300
1988	40	787	157	2,582	23	103	316	1,309	536	4,782	376	4,004
1989	32	726	227	5,830	22	102	435	2,189	716	8,848	430	5,906
1990	39	824	121	1,975	21	314	397	677	578	3,792	407	8,283
1991	40	218	27	125	19	103	309	360	395	807	372	3,451
1992	20	110	3	4	22	102	127	203	172	419	205	1,584
1993	9	47	4	7	14	150	184	617	211	822	136	901
1994	2	9	18	236	8	238	180	450	208	935	147	2,330
1995	12	95	8	33	19	160	118	299	158	638	189	1,015
1996	9	337	36	305	20	218	187	673	257	2,073	162	847
1997	9	72	26	128	19	369	88	368	144	1,162	147	551
1998	1	0.3	12	284	35	696	35	88	88	1,540	44	168
1998	—	—	35	370	86	2,444	74	262	221	1,007	55	742

Note: Including those issued in foreign countries.



## TSE Foreign Stock Market

	No. of Listed Companies	Trading Volume(thous. of shs.)		Trading Value (₹ mils.)	
		Total	Daily Average	Total	Daily Average
1973	6	359	35	4,676	467
1974	14	2,307	8	30,037	105
1975	16	2,367	8	28,553	100
1976	17	2,120	7	29,164	101
1977	15	1,234	4	15,040	52
1978	15	846	2	9,096	31
1979	15	1,477	5	20,226	70
1980	15	670	2	7,948	27
1981	15	594	2	6,351	22
1982	12	1,271	4	18,257	64
1983	11	4,974	17	126,857	443
1984	11	4,522	15	93,117	324
1985	21	131,423	461	853,336	2,994
1986	52	309,700	1,110	1,151,863	4,128
1987	88	755,203	2,756	3,469,227	12,661
1988	112	216,331	792	795,251	2,913
1989	119	480,193	1,928	2,797,627	11,235
1990	125	256,251	1,041	2,015,601	8,193
1991	125	150,958	613	520,571	2,116
1992	119	86,239	349	157,011	635
1993	110	59,561	242	103,517	420
1994	93	43,746	177	75,148	304
1995	77	39,309	157	97,636	392
1996	67	63,452	256	167,434	677
1997	60	62,655	255	168,819	689
1998	52	22,131	89	88,686	359
1999	43	19,861	81	82,304	336

## TSE Bond Volume

	No. of Listed Issues	TSE Market (¥ bil.)					Tokyo OTC Markets (¥ trils.)		
		Government Bonds	Convertible Bonds	Bond with Warrants	Yen-denominated Foreign Bonds	Others	Total	Government Bonds	Total
1956	11	—	—	—	—	4	4	...	...
1957	11	—	—	—	—	2	2	...	...
1958	11	—	—	—	—	5	5	...	...
1959	11	—	—	—	—	6	6	...	...
1960	11	—	—	—	—	7	7	...	...
1961	42	—	—	—	—	10	10	...	...
1962	44	—	—	—	—	12	12	...	...
1963	32	—	—	—	—	14	14	...	...
1964	35	—	—	—	—	14	14	...	...
1965	38	—	—	—	—	18	18	...	...
1966	61	1	—	—	—	47	48	...	2
1967	68	6	—	—	—	45	51	...	3
1968	75	9	—	—	—	49	58	...	4
1969	83	9	—	—	—	84	94	...	5
1970	104	13	4	—	—	142	160	...	7
1971	135	14	107	—	—	239	361	...	10
1972	170	15	692	—	—	328	1,036	...	14
1973	285	31	398	—	5	149	585	...	21
1974	360	36	275	—	3	46	361	1	32
1975	418	33	554	—	7	56	652	1	50
1976	411	24	878	—	7	70	981	2	64
1977	435	43	1,508	—	13	72	1,637	13	113
1978	491	58	4,243	—	17	72	4,391	61	193
1979	529	702	1,519	—	15	81	2,318	91	204
1980	527	1,600	2,177	—	14	81	3,874	158	272
1981	572	2,387	3,101	—	14	74	5,577	181	288
1982	641	4,171	2,330	52	13	71	6,640	222	327
1983	659	8,791	6,510	81	12	51	15,448	275	385
1984	736	22,600	11,611	101	12	32	34,358	579	692
1985	854	39,427	22,130	34	20	29	61,642	2,069	2,164
1986	973	49,917	52,815	262	37	26	103,058	2,483	2,619
1987	1,192	56,918	50,453	415	88	23	107,899	5,408	5,544
1988	1,360	34,842	43,475	37	20	21	78,397	4,024	4,175
1989	1,475	29,088	43,392	3	12	16	72,512	3,440	3,548
1990	1,454	37,920	19,841	1	11	12	57,787	3,231	3,360
1991	1,406	18,021	12,227	0	20	9	30,278	2,621	2,747
1992	1,322	6,066	9,480	0	19	6	15,573	2,857	2,994
1993	1,350	4,780	15,700	0	66	4	20,552	3,242	3,390
1994	1,388	3,372	12,703	0	65	3	16,145	3,341	3,460
1995	1,325	4,532	15,565	0	122	6	20,227	3,846	4,012
1996	1,311	5,497	13,245	0	132	7	18,881	3,037	3,182
1997	1,134	4,407	11,652	0	81	5	16,148	3,242	3,385
1998	956	1,856	6,672	—	23	5	8,557	2,497	2,606
1999	840	28	5,045	—	3	2	5,078	3,734	3,836

Note: See the footnote on p.34.

**TOPIX (Tokyo Stock Price Index)**

(Jan. 4, 1968=100)

Year-end	High		Low	
	Index	Date	Index	Date
1949	12.85	22.06	11.95	12/14
1950	11.57	13.24	9.59	7/ 3
1951	16.94	17.11	11.58	1/ 4
1952	33.35	33.55	17.07	1/ 8
1953	33.30	42.18	28.46	4/ 1
1954	30.27	33.22	26.79	11/13
1955	39.06	39.06	30.00	3/28
1956	51.21	52.95	38.81	1/25
1957	43.40	54.82	43.18	12/27
1958	60.95	60.95	43.48	1/ 4
1959	80.00	90.14	61.11	1/ 9
1960	109.18	112.53	79.46	1/ 4
1961	101.66	126.59	90.86	12/19
1962	99.67	111.45	83.39	10/30
1963	92.87	122.96	91.21	12/18
1964	90.68	103.77	87.94	11/11
1965	105.68	105.68	81.29	7/15
1966	111.41	114.51	105.21	1/19
1967	100.89	117.60	99.17	12/11
1968	131.31	142.95	100.00	1/ 4
1969	179.30	179.30	132.62	1/ 4
1970	148.35	185.70	147.08	12/ 9
1971	199.45	209.00	148.05	1/ 6
1972	401.70	401.70	199.93	1/ 4
1973	306.44	422.48	284.69	12/18
1974	278.34	342.47	251.96	10/ 9
1975	323.43	333.11	268.24	1/10
1976	383.88	383.88	326.28	1/ 5
1977	364.08	390.93	350.49	11/24
1978	449.55	452.60	364.04	1/ 4
1979	459.61	465.24	435.13	7/13
1980	494.10	497.96	449.01	3/10
1981	570.31	603.92	495.79	1/ 5
1982	593.72	593.72	511.52	8/17
1983	731.82	731.82	574.51	1/25
1984	913.37	913.37	735.45	1/ 4
1985	1,049.40	1,058.35	916.93	1/ 4
1986	1,556.37	1,583.35	1,025.85	1/21
1987	1,725.83	2,258.56	1,557.46	1/13
1988	2,357.03	2,357.03	1,690.44	1/ 4
1989	2,881.37	2,884.80	2,364.33	3/27
1990	1,733.83	2,867.70	1,523.43	10/ 1
1991	1,714.68	2,028.85	1,638.06	12/24
1992	1,307.66	1,763.43	1,102.50	8/18
1993	1,439.31	1,698.67	1,250.06	1/25
1994	1,559.09	1,712.73	1,445.97	1/ 4
1995	1,577.70	1,585.87	1,193.16	6/13
1996	1,470.94	1,722.13	1,448.45	12/24
1997	1,175.03	1,560.28	1,130.00	12/22
1998	1,086.99	1,300.30	980.11	10/15
1999	1,722.20	1,722.20	1,048.33	1/ 5

## 10 Largest Day-to-Day Fluctuations in TOPIX

### 10 Largest Advances in TOPIX

Rank	Up in Percent	Date	Closing Index	Backgrounds
1	9.54	Oct. 2, 1990	1,668.83	MOF announced emergency measures to support the market.
2	9.39	Oct. 21, 1987	1,962.41	Backlash of the worldwide market crash
3	7.56	Aug. 21, 1992	1,251.70	MOF announced measures to reactivate the market.
4	7.36	Dec. 15, 1949	12.83	Heavy buyings by life insurance cos. and city banks
5	7.22	Apr. 10, 1992	1,282.56	Monetary relaxation in the U.S.
6	6.82	Nov. 17, 1997	1,257.85	Expectation of introducing public fund to stabilize financial sector
7	6.64	Jan 31, 1994	1,629.22	Approval of political reform bill
8	6.57	Jan. 6, 1988	1,820.03	MOF announced to relax the rules restricting investment in Tokkin fund.
9	6.39	Apr. 16, 1953	32.79	Expectation of continued procurement by U.S. in Japan after Korean War
10	5.59	July 15, 1950	11.72	Korean War special procurement boom

### 10 Largest Declines in TOPIX

Rank	Up in Percent	Date	Closing Index	Backgrounds
1	14.62	Oct. 20, 1987	1,793.90	New York stock market crashed
2	8.75	Mar. 5, 1953	32.32	Stalin in serious illness
3	7.47	Apr. 30, 1970	159.33	Worldwide stock market depression, IOS at pinch
4	7.10	Apr. 2, 1990	2,069.33	Fear for heavy selling by insurance companies
5	5.99	Mar. 30, 1953	30.31	Korean War truce negotiation resumed.
6	5.90	Aug. 16, 1971	196.66	Nixon announced "dollar defense" measures.
7	5.70	Aug. 23, 1990	1,829.25	Oil Price soared due to Gulf conflict.
8	5.24	Aug. 19, 1991	1,663.94	Political crisis in the USSR
9	5.20	June 24, 1972	263.56	Pound Sterling value uncertain
9	5.20	Nov. 29, 1993	1,350.48	Disappointment with the delayed economic stimulus measures

## Nikkei 225

						(Yen)
Year-end	High		Low		Date	
	Index	Date	Index	Date		
1949	109.91	176.89	98.50	9/ 1	12/14	
1950	101.91	114.99	85.25	8/21	7/ 6	
1951	166.06	170.32	102.10	10/27	1/ 4	
1952	362.64	370.55	167.80	12/15	1/ 4	
1953	377.95	474.43	295.18	2/ 4	4/ 1	
1954	356.09	377.27	314.08	1/11	3/22	
1955	425.69	425.69	345.89	12/28	4/27	
1956	549.14	566.30	420.14	12/ 6	1/25	
1957	474.55	595.46	471.53	5/ 4	12/27	
1958	666.54	666.54	475.20	12/27	1/ 4	
1959	874.88	976.93	664.69	11/30	1/ 9	
1960	1,356.71	1,356.71	869.34	12/28	1/ 4	
1961	1,432.60	1,829.74	1,258.00	7/18	12/19	
1962	1,420.43	1,589.76	1,216.04	2/14	10/29	
1963	1,225.10	1,634.37	1,200.64	4/ 5	12/18	
1964	1,216.55	1,369.00	1,202.69	7/ 3	11/ 9	
1965	1,417.83	1,417.83	1,020.49	12/28	7/12	
1966	1,452.10	1,588.73	1,364.34	4/ 1	12/ 5	
1967	1,283.47	1,506.27	1,250.14	3/ 1	12/11	
1968	1,714.89	1,851.49	1,266.27	10/ 2	1/ 4	
1969	2,358.96	2,358.96	1,733.64	12/27	1/ 4	
1970	1,987.14	2,534.45	1,929.64	4/ 6	5/27	
1971	2,713.74	2,740.98	1,981.74	8/14	1/ 6	
1972	5,207.94	5,207.94	2,712.31	12/28	1/ 4	
1973	4,306.80	5,359.74	3,958.57	1/24	12/18	
1974	3,817.22	4,787.54	3,355.13	6/ 1	10/ 9	
1975	4,358.60	4,564.52	3,627.04	5/12	1/10	
1976	4,990.85	4,990.85	4,403.06	12/28	1/ 5	
1977	4,865.60	5,287.65	4,597.26	9/ 5	11/24	
1978	6,001.85	6,097.26	4,867.91	12/13	1/ 4	
1979	6,569.47	6,590.69	5,925.87	9/29	4/10	
1980	7,116.38	7,188.28	6,475.93	11/ 6	3/28	
1981	7,681.84	8,019.14	6,956.52	8/17	3/13	
1982	8,016.67	8,026.99	6,849.78	12/ 7	10/ 1	
1983	9,893.82	9,893.82	7,803.18	12/28	1/25	
1984	11,542.60	11,577.44	9,703.35	12/ 4	7/23	
1985	13,113.32	13,128.94	11,545.16	12/17	1/ 5	
1986	18,701.30	18,936.24	12,881.50	8/20	1/21	
1987	21,564.00	26,646.43	18,544.05	10/14	1/13	
1988	30,159.00	30,159.00	21,217.04	12/28	1/ 4	
1989	38,915.87	38,915.87	30,183.79	12/29	1/ 5	
1990	23,848.71	38,712.88	20,221.86	1/ 4	10/ 1	
1991	22,983.77	27,146.91	21,456.76	3/18	8/19	
1992	16,924.95	23,801.18	14,309.41	1/ 6	8/18	
1993	17,417.24	21,148.11	16,078.71	9/13	11/29	
1994	19,723.06	21,552.81	17,369.74	6/13	1/ 4	
1995	19,868.15	20,011.76	14,485.41	12/27	7/ 3	
1996	19,361.35	22,666.80	19,161.71	6/26	12/24	
1997	15,258.74	20,681.07	14,775.22	6/16	12/29	
1998	13,842.17	17,264.34	12,879.97	3/ 2	10/ 9	
1999	18,934.34	18,934.34	13,232.74	12/30	1/ 5	

## Yields and Dividends

	All 1st Section Stocks	1st Section Dividend-Paying Stocks		
	Weighted Average Yields (%)	Average Dividend per Share (¥)	Total Amount of Dividends (¥ bil.)	Simple Average Yields (%)
1949	...	6.09	1	...
1950	...	6.97	11	...
1951	...	10.69	28	...
1952	...	12.88	41	8.47
1953	...	11.17	52	6.71
1954	...	9.89	60	8.10
1955	...	8.70	69	7.14
1956	...	8.27	85	6.05
1957	...	7.71	113	6.82
1958	...	7.14	122	6.15
1959	4.68	6.76	138	4.13
1960	4.27	6.71	174	3.67
1961	4.47	6.63	230	3.34
1962	5.82	6.47	307	4.20
1963	5.08	6.26	348	4.09
1964	6.01	6.26	391	4.93
1965	6.01	6.08	409	5.13
1966	4.76	5.92	407	3.97
1967	4.96	5.97	456	4.32
1968	5.00	6.09	506	4.26
1969	4.19	6.28	569	3.30
1970	4.30	6.55	647	3.37
1971	4.01	6.65	710	3.37
1972	2.42	6.55	717	2.21
1973	2.02	6.75	849	1.96
1974	2.55	6.88	912	2.41
1975	2.54	6.51	881	2.24
1976	2.27	6.25	995	1.80
1977	2.16	6.34	1,040	1.68
1978	2.00	6.45	1,090	1.48
1979	1.87	6.49	1,191	1.42
1980	1.79	6.58	1,200	1.48
1981	1.65	6.69	1,498	1.46
1982	1.80	6.80	1,525	1.58
1983	1.55	6.88	1,594	1.31
1984	1.24	7.11	1,709	1.02
1985	1.05	7.25	1,829	0.92
1986	0.83	7.33	1,850	0.74
1987	0.56	7.36	2,042	0.59
1988	0.52	7.52	2,298	0.51
1989	0.46	7.78	2,495	0.45
1990	0.61	8.04	2,825	0.49
1991	0.73	8.21	2,905	0.62
1992	0.99	8.21	2,861	0.88
1993	0.86	8.16	2,691	0.79
1994	0.77	8.03	2,594	0.71
1995	0.86	7.87	2,639	0.85
1996	0.73	7.74	2,730	0.72
1997	0.86	7.70	2,886	0.92
1998	1.03	7.72	2,785	1.15
1999	0.82	7.52	2,621	0.99

Note: Total amount of dividends for 1999 is that of the sum from Jan. to Nov.

**Shareownership by Types of Investors (All Listed Companies)**

Fiscal Year	Govt. & Local Govt.	Financial Institutions (Excluding Investment Trusts)	Investment Trusts	Securities Companies	Business Corporations	Individuals & Others	Foreigners	(%)
1949	2.8	9.9	...	12.6	5.6	69.1	...	
1950	3.1	12.6	...	11.9	11.0	61.3	...	
1951	1.8	13.0	5.2	9.2	13.8	57.0	...	
1952	1.0	15.8	6.0	8.4	11.7	55.8	1.2	
1953	0.7	16.3	6.7	7.3	13.5	53.8	1.7	
1954	0.5	16.7	7.0	7.1	13.0	54.0	1.7	
1955	0.4	19.5	4.1	7.9	13.2	53.2	1.7	
1956	0.3	21.7	3.8	7.1	15.8	49.8	1.5	
1957	0.2	21.4	4.7	5.7	16.3	50.1	1.5	
1958	0.3	22.4	6.6	4.4	15.8	49.1	1.4	
1959	0.2	21.7	7.6	3.7	17.5	47.8	1.4	
1960	0.2	23.1	7.5	3.7	17.8	46.3	1.3	
1961	0.2	21.4	8.6	2.8	18.7	46.7	1.7	
1962	0.2	21.5	9.2	2.4	17.7	47.1	1.8	
1963	0.2	21.4	9.5	2.2	17.9	46.7	2.1	
1964	0.2	21.6	7.9	4.5	18.4	45.6	1.9	
1965	0.2	23.4	5.6	5.8	18.4	44.8	1.8	
1966	0.2	26.1	3.7	5.4	18.6	44.1	1.8	
1967	0.3	28.2	2.4	4.4	20.5	42.4	1.8	
1968	0.3	30.3	1.7	2.1	21.4	41.9	2.3	
1969	0.3	30.7	1.2	1.4	22.0	41.1	3.3	
1970	0.2	30.9	1.4	1.2	23.1	39.9	3.2	
1971	0.2	32.6	1.3	1.5	23.6	37.2	3.6	
1972	0.2	33.8	1.3	1.8	26.6	32.7	3.5	
1973	0.2	33.9	1.2	1.5	27.5	32.7	3.0	
1974	0.2	33.9	1.6	1.3	27.1	33.4	2.5	
1975	0.2	34.5	1.6	1.4	26.3	33.5	2.6	
1976	0.2	35.1	1.4	1.4	26.5	32.9	2.6	
1977	0.2	35.9	2.0	1.5	26.2	32.0	2.3	
1978	0.2	36.6	2.2	1.8	26.3	30.8	2.1	
1979	0.2	36.9	1.9	2.0	26.1	30.4	2.5	
1980	0.2	37.3	1.5	1.7	26.0	29.2	4.0	
1981	0.2	37.3	1.3	1.7	26.3	28.4	4.6	
1982	0.2	37.7	1.2	1.8	26.0	28.0	5.1	
1983	0.2	38.0	1.0	1.9	25.9	26.8	6.3	
1984	0.2	38.5	1.1	1.9	25.9	26.3	6.1	
1985	0.8	40.9	1.3	2.0	24.1	25.2	5.7	
1986	0.9	41.7	1.8	2.5	24.5	23.9	4.7	
1987	0.8	42.2	2.4	2.5	24.9	23.6	3.6	
1988	0.7	42.5	3.1	2.5	24.9	22.4	4.0	
1989	0.7	42.3	3.7	2.0	24.8	22.6	3.9	
1990	0.6	41.6	3.6	1.7	25.2	23.1	4.2	
1991	0.6	41.5	3.2	1.5	24.5	23.2	5.4	
1992	0.6	41.3	3.2	1.2	24.4	23.9	5.5	
1993	0.6	40.8	3.0	1.3	23.9	23.7	6.7	
1994	0.7	40.9	2.6	1.1	23.8	23.5	7.4	
1995	0.6	39.3	2.1	1.4	23.6	23.6	9.4	
1996	0.5	39.3	2.0	1.1	23.8	23.6	9.8	
1997	0.5	38.8	1.4	0.8	24.1	24.6	9.8	
1998	0.5	38.1	1.2	0.7	24.1	25.4	10.0	

Notes: (1) For calculation of the annual figures, see p.67.

(2) Figures are based on the number of "unit" shareholders since 1986.

(3) "Individuals & Others" include unincorporated associations.

Sources: Ministry of Finance, The National Conference of Stock Exchanges

## All Securities Companies—Offices, Shareholders' Equity & Workforce

End of Year	No. of Securities Companies (Main Offices)			No. of Offices (Including Main Offices)	Shareholders' Equity (¥ bil.)	Workforce (thous.)
	Member Cos.	Non-Member Cos.	Total			
1949	417 (32)	735	1,152	1,889	...	...
1950	317 (32)	641	958	1,601	...	...
1951	318 (32)	543	861	1,642	...	...
1952	327 (32)	500	827	1,794	...	...
1953	337 (33)	511	848	2,105	...	...
1954	309 (35)	468	777	1,997	...	32
1955	285 (35)	430	715	1,901	...	30
1956	273 (36)	396	669	1,846	...	31
1957	258 (34)	333	591	1,904	26	33
1958	247 (34)	314	561	1,984	27	34
1959	238 (34)	304	542	2,233	47	42
1960	233 (35)	320	553	2,537	69	58
1961	227 (37)	361	588	2,802	111	87
1962	224 (34)	374	598	2,928	117	99
1963	222 (34)	371	593	2,912	125	101
1964	212 (34)	320	532	2,542	102	87
1965	195 (34)	234	429	2,119	89	67
1966	193 (34)	211	404	2,041	118	66
1967	175 (22)	137	312	1,917	125	63
1968	172 (22)	105	277	1,849	148	62
1969	170 (22)	104	274	1,842	183	64
1970	168 (22)	102	270	1,851	229	67
1971	165 (22)	98	263	1,847	277	73
1972	162 (22)	100	262	1,864	347	80
1973	162 (22)	100	262	1,902	518	87
1974	161 (21)	99	260	1,905	528	87
1975	160 (21)	99	259	1,907	549	85
1976	160 (21)	100	260	1,938	654	85
1977	159 (21)	100	259	1,959	762	86
1978	157 (20)	101	258	2,006	923	86
1979	154 (20)	101	255	2,037	1,030	85
1980	154 (20)	101	255	2,081	1,101	85
1981	149 (18)	99	248	2,106	1,279	88
1982	148 (18)	100	248	2,120	1,331	90
1983	147 (18)	100	247	2,158	1,499	93
1984	138 (10)	99	237	2,217	1,792	101
1985	135 ( 8)	103	238	2,317	2,179	108
1986	139 ( 6)	110	249	2,451	2,947	117
1987	139 ( 6)	125	264	2,620	4,312	129
1988	158 ( 6)	109	267	2,808	5,308	141
1989	158 ( 6)	113	271	3,000	5,943	152
1990	162 ( 6)	110	272	3,198	7,498	161
1991	159 ( 3)	108	267	3,297	7,845	159
1992	159 ( 3)	106	265	3,072	7,333	148
1993	158 ( 3)	110	268	2,919	6,710	135
1994	158 ( 3)	119	277	2,879	6,824	130
1995	157 ( 3)	125	282	2,761	6,720	121
1996	155 ( 3)	134	289	2,740	6,916	115
1997	159 ( 3)	132	291	2,625	6,215	110
1998	151 ( 3)	137	288	2,335	5,498	97
1999	147 ( 2)	139	288	2,294	5,272	94

Notes: 1. Figures in parentheses indicate number of Saitori members. (Up to 1977, those figures indicate number of Saitori & Special members.) See the footnote on p.76 for Saitori & Special members.  
2. Number of offices includes foreign securities cos.' branches in Japan.



## **EAOSEF**

East Asian and Oceanian Stock Exchanges Federation (EAOSEF)

Established: 1982

Members: 13 stock exchanges in the East Asian and Oceanian regions

Secretariat: Tokyo Stock Exchange

History: The history of the EAOSEF goes back to 1978 when top executives of stock exchanges in the East Asian countries first gathered in Tokyo at the joint invitation of the Tokyo Stock Exchange and the Osaka Securities Exchange on the occasion of the Centennial Anniversary of the Japanese securities markets. Such gathering was followed by their meeting in Tokyo in 1982, at which the East Asian Stock Exchange Conference (EASEC), a rather informal, fraternal organization, was formed. In 1990, with the

adoption of the Charter and also with admission of two stock exchanges in the Oceanian region at its annual meeting in Manila, the organization was formalized and renamed as the East Asian and Oceanian Stock Exchanges Federation or the EAOSEF in brevity.

Objective: The objective of the EAOSEF is to facilitate the exchange of information and to promote mutual assistance among its members with a view to developing the securities markets of the member countries.

Activities: The EAOSEF holds a general meeting every year for exchanging information and discussing topics of the members' common interest with a view to coordinating rules and practices of member exchanges.

### **EAOSEF MEMBER EXCHANGES**

**(13 members in alphabetical order; as of January, 2000)**

**Australian Stock Exchange Ltd.**

**The Stock Exchange of Hong Kong Ltd.**

**Jakarta Stock Exchange**

**Korea Stock Exchange**

**Kuala Lumpur Stock Exchange**

**New Zealand Stock Exchange**

**Osaka Securities Exchange**

**Philippine Stock Exchange, Inc.**

**Singapore Exchange Ltd.**

**Surabaya Stock Exchange**

**Taiwan Stock Exchange Corp.**

**The Stock Exchange of Thailand**

**Tokyo Stock Exchange**

## List of Printed Materials

In addition to the TSE Fact Book, the Tokyo Stock Exchange provides the following information sources:

### Publications

- TSE Monthly Statistics Report (¥750)  
Compiled chiefly from the market statistics of the securities admitted to trading on the TSE.
- Annual Securities Statistics (¥2,700)  
Covering securities statistics of Japanese securities markets
- Constitution of the TSE
- Business Regulations of the TSE
- Listing Regulations of the TSE
- Brokerage Agreement Standards

### Brochures

- Tokyo Stock Exchange
- A listing in Tokyo
- TOPIX Futures & TOPIX Options
- TOPIX Sector Index Futures
- Equity Options
- Japanese Government Bond Futures & Options on JGB Futures
- <S&P/TOPIX150> Stock index
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