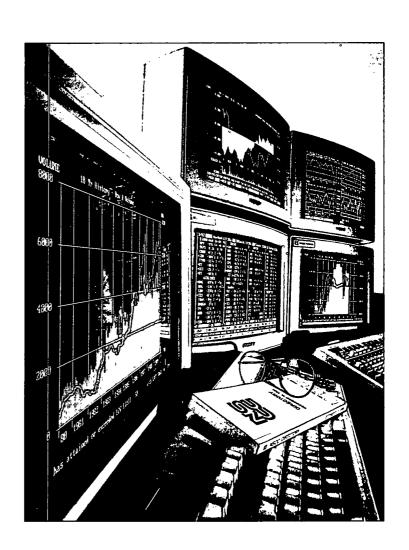


# National Securities Clearing Corporation

# 1989 Annual Report



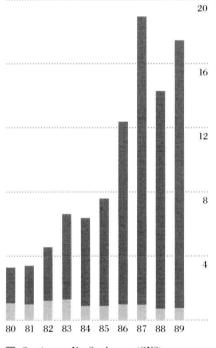
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# Average Daily Value of Transactions Settled

(In billions)

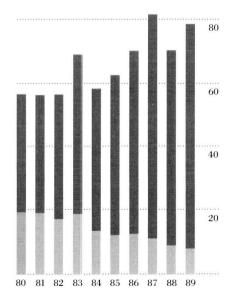


- Continuous Net Settlement (CNS)
- Balance Order and Other

# Average Daily Volume of Deliveries

(In thousands)

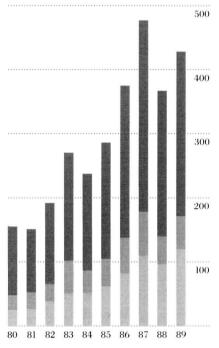
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- Continuous Net Settlement (CNS)
- Envelope Systems

# Average Daily Volume of Transactions Processed\*

(In thousands)



- NYSE & Amex
- OTC Stocks & Bonds
- Municipal Bonds and Others
  - \*Includes omnibus accounts



# To Our Participants

the 1990s.

he world witnessed a series of irreversible changes during 1989 ranging from the student uprisings in Tiananmen Square to the toppling of the Berlin wall, to the beginning of the end of communist domination in Hungary, Poland, Czechoslovakia and Bulgaria. While no one can predict the course of world events and their impact on global financial markets, it is apparent that we are facing prospects of even more rapid change both in the political arena and in the financial markets in

The political events in 1989 have changed the course of history just as the market events in October 1987 initiated fundamental changes in the securities industry and financial services business. The unprecedented growth in the securities industry during the 1980s, which grew out of deregulation of the markets and tremendous leaps in technology, has tapered off considerably in an environment that is now characterized by change and competition. The industry has faced challenging times since 1987 when it became apparent that firms could not support the programs and staffing levels that they once did if they were to operate profitably through the period of change. NSCC is well aware that the cost-cutting, downsizing and restructuring programs in the securities industry will continue in the 1990s, and we will work closely with the markets, participants and other clearing and depository organizations to achieve even greater efficiency in trade clearance and settlement services.

In spite of the leaner times facing the industry, NSCC must continue to be visionary and to better understand what these changes mean to your organizations. This dictates that we continue to research and evaluate new products and services and address the fundamental changes that are occurring in the domestic and international financial communities.

On the domestic front, these changes involve moving from the costly, labor-intensive world of physical certificates to a book-entry environment and eliminating operational risks within the systems to make our markets even more efficient and risk adverse. Specifically for NSCC, this means carefully evaluating the Group of Thirty's far-reaching recommendations calling for final settlement on Trade Date Plus Three and same-day funds settlement.

Fundamental changes continue to occur in the international marketplaces as well. As the 12 nations of the European Community continue their efforts to create a barrier-free common market by 1992, it is apparent that new and better mechanisms must be established to settle cross-border trades and facilitate capital flows across markets while the securities remain in the issuer's home country. The next decade will see a major cooperative effort between ISCC and clearing and depository organizations as well as other intermediaries around the world to establish standards, links and communications networks



that will mitigate differences in settlement between the markets and support participants' international business.

NSCC's commitment to its participants and improved technology, which enabled us to support the unprecedented growth in the securities industry in the 1980s, has positioned us well for the challenges of the 1990s. NSCC enters the new decade with a heightened commitment to provide efficient, cost-effective trade processing services. We owe a special debt of gratitude to our staff, our Board members and the industry for their support in these changing times.

Ronald W. Readmond (left)
Chairman of the Board

David M. Kelly (right)

President and
Chief Executive Officer



# 

## The Year in Review

he market break in October 1987 altered the direction of and hastened the pace of change within the securities industry and financial services business. While 1988 was a year for reviewing the issues and exploring the alternatives, 1989 was a year for implementing new systems and changing existing ones to address those issues.

The timely reconciliation of transactions received considerable attention following the market events in 1987 when paper DKs and QTs flooded the floor. In 1989, NSCC supported the efforts of the NYSE and Amex to reduce risk and move trade reconciliation closer to the point of trade execution through the implementation of on-line correction systems. NSCC modified its Listed and OTC Comparison systems so that participants submit their two-sided equity trade data to NSCC by 2:00 a.m. on Trade Date Plus One (T+1) thereby bringing the comparison cycle closer to the trading cycle. Supplemental processing occurs on T+1 rather than on T+2 which effectively moves the trade resolution process, and NSCC's guarantee of matched trades, up by one day and reduces the exposure on open trades. Compression of the trade resolution process for listed and OTC equities has laid the foundation for effecting similar changes in the corporate and municipal bond comparison systems.

NSCC, in addition to supporting the NYSE's and Amex's on-line correction systems, actively supported the NASD's development of an on-line trade comparison system. This system, when implemented in 1990, will provide sameday comparison for all NASDAQ trades and bring the trade matching process closer to the point of execution. Participants' transactions in this system will

be transmitted to NSCC as locked-in compared trades.

Commitment to technology not only allowed NSCC to support the industry's efforts to compress the trade resolution process, but also played an integral part in the development of enhancements to existing systems and services in 1989.

NSCC completed all of the developmental work on a link between Fund/SERV, NSCC's automated order entry, confirmation and settlement system for mutual funds, and the Automated Customer Account Transfer

(ACAT) service. When the link becomes operational in 1990, broker/dealers will be able to transfer their customers' mutual fund assets in a controlled environment through ACATs. Networking, which opened the doors for electronic communication between fund groups and broker/dealers for those financial and non financial transactions not supported in Fund/SERV, continued to meet developmental milestones in its first full year of operation as the number of participants and subaccounts supported increased. The electronic lines

Redesign of the Listed
Comparison System and
acceleration of OTC
input and output time
frames were significant
efforts at NSCC in
1989 and an integral
part of the industry's
efforts to limit exposure on open trades by
compressing the trade
resolution process.





The successful implementation of Fund/SERV led to the development of Networking, a centralized and standardized data communications system, which allows a customer's account to appear identically on the records of the broker/dealer and fund group.

of communication established in Networking have led to additional applications as well, such as the introduction of a Dividend Cash Settlement feature which enables fund groups and broker/dealers to settle dividend monies within NSCC's settlement system. As a result of the Dividend Cash Settlement feature, cash dividend payments are now made by fund groups in federal funds with broker/dealers receiving credit, including interest earned on the overnight investment of the dividend payment, in next-day funds on Settlement Date.

NSCC's when-issued municipal bond netting program, which allows all when-issued trades of DTC-eligible issues to be processed in CNS, expanded dramatically as more participants joined the program. More than 97,500 when-issued sides having a par value of \$34 billion were processed in CNS in 1989. The program's 150 participants account for 70% of the when-issued municipal trades processed by NSCC. NSCC continued to work toward integrating the processing of municipal bonds into the CNS clearance and settlement



system in 1989 through the introduction of a netting pilot for regular-way bonds. This pilot, which grew out of the successful implementation of the when-issued netting program, followed an extensive study of regular-way trading and is in keeping with the municipal industry's current directive to net all book-entry only municipals in 1990. Of major concern to NSCC and industry organizations in 1989 was the poor T+1 comparison rate for when-issued transactions. To address this issue, NSCC and the Public Securities Association undertook a study to identify the reasons for the poor comparison rate and to propose recommendations to improve it. Improving comparison will continue to be a major effort in 1990 as the municipal industry evaluates and acts on the recommendations presented in the study.

n addition to system developments and enhancements, a major effort in 1989 was a detailed study of

NSCC services to evaluate the current fee schedule. The results of the study

indicated that a major fee revision was necessary to enable NSCC to maintain

an adequate revenue base to cover production costs and to support NSCC's

commitment to meeting the changing needs of the industry through product

development and enhancement programs. Several alternatives were evaluated

before NSCC arrived at a fee schedule that more equitably distributes the cost

of operations to participants based on product usage and encourages participa
tion in new services by amortizing the start-up costs. The revised fee schedule,

which represents the first major rate revision in seven years, became effective

on January 1, 1990.





Since its formation in 1976, NSCC has supported and participated in industry-sponsored initiatives. In 1989, NSCC was actively involved in efforts by the Group of Thirty and the Fédération Internationale des Bourses de Valeurs (FIBV) to prescribe improvements in custody, clearing and settlement systems through standardization. The recommendations put forth by the Group of Thirty and the FIBV in their groundbreaking reports on domestic and international settlement, respectively, will require an in-depth study in the coming year. NSCC also participated in the Office of Technology Assessment's study on international clearing and settlement and the General Accounting Office's examination of clearance and settlement reform in the stock, options and futures markets. In addition, NSCC's representative chairs the Securities Clearing Group (SCG). The SCG, which grew out of the market break in 1987 and was formalized in 1989, provides a mechanism for sharing information among SEC-registered clearing agencies.

\_n 1989, NSCC continued t

NSCC's netting program
for municipal bonds
clearly demonstrates the
operational benefits
of reduced book-entry
movements and is
available for all whenissued trades in DTCeligible issues as well as
regular-way trades in
selected issues.

n 1989, NSCC continued to provide support for International Securities Clearing Corporation and Government Securities Clearing Corporation which were established in 1985 and 1986, respectively, to address the challenges presented by growing markets.

A major focus at ISCC, which was granted temporary registration as a clearing agency by the SEC in 1989, was the development of a clearance and settlement mechanism to accommodate the NASD's Private Offerings, Resale and Trading through Automated Linkages (PORTAL) marketplace. ISCC, because of its existing links to international clearing and depository organiza-

tions, is well positioned to support PORTAL which will provide a marketplace for broker/dealers and qualified investors to offer and trade SEC Rule 144A unregistered private placements. Once PORTAL is operational, ISCC will provide a centralized, book-entry clearance and settlement mechanism using Cedel in Luxembourg as the depository interface to permit the orderly and controlled flow of foreign securities into and out of the market.



ISCC's existing clearing and custody links continued to grow in 1989 as did its participant base. The London Link was expanded to allow participation in The International Stock Exchange's Institutional Net Settlement (INS) service which provides a centralized settlement service for institutional investors. The custody services links with Japan Securities Clearing Corporation and the Central Depository (Pte.) Limited in Singapore grew as new issues were made eligible in the custody accounts. Over 21,000 purchases and sales in ordinary shares of foreign issues, valued at





\$144 million, were processed in the Foreign Securities Comparison and Netting Service which is now used by 161 participants.

GSCC achieved a number of significant milestones in 1989 as it enhanced the Comparison System to increase its effectiveness and to complete the foundation for netting. Enhancements to the Comparison System included the establishment of a pend file and a cancellation and replace feature. In addition, participants now have the ability to compare trades on an as-of basis.

Participation in the Comparison System increased with 13 participants joining the system in 1989. Comparison percentages remained high with an average monthly comparison rate of 94%.

Implementation of the enhancements to the Comparison System were an important step in bringing netting to the government securities industry. The Netting System, which was designed to minimize the total number of receive and deliver obligations, became operational in July with 20 participants netting a four-



year U.S. Treasury Note. In the Netting System, compared trades are netted to a single position in each issue and receive and deliver obligations are created after all net security positions have been calculated. Since its implementation, the Netting System has grown to encompass all Bills, Bonds and Notes currently eligible for the Comparison System. Monthly netting factors remained well within the projected levels with periods of high-volume activity resulting in the highest netting factors.

The successful implementation of the Netting System, in conjunction with the Comparison System upgrades, have laid the groundwork for future enhancements that will streamline the processing of government securities transactions even further. GSCC has most recently implemented a procedure for netting when-issued Treasury Bonds and Notes and will continue to add more participants and make more securities eligible for netting in 1990. echnology will continue to play an important role at NSCC and in the securities industry in the coming decade. Just as critical in meeting the challenges that lie ahead is the need to maintain an open dialogue with participants, regulatory agencies and markets, both domestic and international. This combination has worked effectively at NSCC since its formation and has positioned us well for the future.

ISCC's bilateral clearing link with The International **Stock Exchange in London** extends clearance and settlement services internationally while the custody services links with depository organizations in Japan and Singapore provide more efficient handling of U.S. issues listed overseas or involved in crossborder trading.





## **NSCC and ISCC Board of Directors**

SCC's Board of Directors, whose members represent a broad spectrum of the securities industry, is committed to NSCC's goal of addressing the industry's needs for cost-effective, low-risk trade processing and expanding further its product base. The Board fulfills this commitment by providing policy direction, establishing corporate objectives and goals and monitoring NSCC's progress toward achieving them. Since NSCC's formation, the Board has provided the leadership necessary to address the industry's current needs as well as the vision required to position the company to meet future changes and challenges. In 1989, the Board continued to guide NSCC's efforts to increase and improve participants' processing efficiency through system developments and enhancements.

Domestic and international clearance and settlement continued to become more interrelated in 1989 as the industry focused its attention on establishing clearance and settlement standards within markets and for cross-border transactions. As a result of this trend, the Executive Committee expanded the NSCC Board from 17 to 18 members. John A. Lambiase, Salomon Brothers Inc, was elected to fill the seat. Further, the Executive Committee recommended that the ISCC Board of Directors be restructured. In December, the members of NSCC's Board of Directors were elected to serve concurrent terms as members of the ISCC Board to enable NSCC and ISCC to more effectively address the issues presented by the globalization of markets. In addition, an International Committee was established as a standing committee of the NSCC Board to provide specific international focus within the Board and to support ISCC's mission of providing locally accessible clearance and settlement for U.S. firms dealing in foreign securities and foreign firms dealing in U.S. securities. NSCC's Finance & Audit Committee and Membership Committee were appointed to serve as the ISCC Finance & Audit and Membership Committees, respectively.

Chaired by Ronald W. Readmond, the NSCC Board consists of 14 Directors who are elected from member firms, NSCC's President and CEO, David M. Kelly, and three Shareholder Directors appointed by the New York Stock Exchange, American Stock Exchange and National Association of Securities Dealers: Donald J. Solodar, Jules L. Winters and C. Richard Justice, respectively.

The Nominating Committee began the annual electoral process in late 1989 by inviting participants to propose names of prospective Directors to serve three-year terms to succeed retiring Directors Leonard V. Haynes, Ronald W. Readmond and Wilbert A. Thiel. Nominations include Robert H. Benmosche, Paine Webber Incorporated, Walter F. Siebecker, Smith Barney, Harris Upham & Co. Incorporated, and Raymond E. Wooldridge, Southwest Securities Incor-

porated. Carlos A. Salvatori, Citibank, N.A., who was elected to the Board in October 1989 to complete Ronald D. Upton's term, and John A. Lambiase were nominated to additional three-year terms. Howard A. Shallcross, Merrill Lynch, Pierce, Fenner & Smith Inc., was nominated to serve an additional one-year term. These nominees will become Directors at the Board's Annual Meeting in May 1990.

Ronald W. Readmond Chairman of the Board, NSCC Executive Vice President Charles Schwab & Co., Inc.

David M. Kelly Chairman of the Board, ISCC

President & CEO
National Securities
Clearing Corporation

James M. Avena President Cantor Fitzgerald & Co., Inc.

William P. Behrens Senior Managing Director Ernst & Company

Bruce E. Geismar Senior Managing Director Bear, Stearns & Co. Inc.

Gates H. Hawn
Chief Operating Officer
Pershing Division
Donaldson, Lufkin &
Jenrette Securities
Corporation

Leonard V. Haynes Senior Executive Vice President & Chief Operations Officer Shearson Lehman Hutton Inc.

C. Richard Justice Executive Vice President National Association of Securities Dealers, Inc.

John A. Lambiase Managing Director Salomon Brothers Inc

David W. Niemiec

Managing Director

Dillon, Read & Co., Inc.

Darryl L. Pope Principal, Operations Edward D. Jones & Co.

David L. Roscoe III Senior Vice President Morgan Guaranty Trust Company of New York

Carlos A. Salvatori Vice President Division Executive – Worldwide Securities Services Citibank, N.A. Howard A. Shallcross Senior Vice President & Director of Operations Merrill Lynch, Pierce, Fenner & Smith Inc.

Donald J. Solodar Executive Vice President New York Stock Exchange, Inc.

Fenton R. Talbott

Managing Director

The First Boston Corporation

Wilbert A. Thiel
Executive Vice President,
Treasurer
The Chicago Corporation

Jules L. Winters
Executive Vice President
Operations
American Stock
Exchange, Inc.

## **GSCC Board of Directors**

a full-service clearing corporation, GSCC, which was established in 1986 through cooperative efforts by the government securities industry, provides comparison and netting of next-day and forward settling transactions in Treasury Bills, Bonds and Notes. GSCC will continue to increase its participant base and make more securities eligible for netting in 1990.

GSCC's 15-member Board is structured to provide representation to shareholders and is comprised of 12 Participant Shareholder Directors representing six dealers, three brokers and three clearing agent banks, two representatives of NSCC and one officer of GSCC. GSCC began the nominating process in early 1990 to fill one broker and two dealer seats. Joseph A. Malvasio, Cantor, Fitzgerald Securities Corp., who was appointed to the Board in May 1989 to complete the term of Edward J. Geng, was elected at the Annual Shareholders Meeting in April to serve an additional one-year term. James P. Mahoney, Morgan Stanley & Co. Incorporated, and Kenneth J. Halpin, Discount Corporation of New York, were elected as dealer Directors to complete the remaining one-year terms of retiring Directors Alexander Neamtu and Howard A. Shallcross. David M. Kelly, NSCC, and M. Andrew Threadgold, J.P. Morgan Securities Inc., remain as the NSCC-Designated Directors together with Charles A. Moran from GSCC.

The Board of Directors, at the Annual Meeting in April, reinforced its commitment to continuity in GSCC's leadership by reelecting Chairman of the Board Bruce R. Lakefield to a second term.

Bruce R. Lakefield Chairman of the Board Executive Vice President Shearson Lehman Government Securities, Inc.

Thomas J. Basile
Executive Managing
Director, Administration &
Operations
Carroll McEntee &
McGinley

Jorge A. Brathwaite Senior Vice President The Bank of New York

Allen B. Clark Vice President Manufacturers Hanover Trust Company

Frank D. Cuoco, Jr. Executive Vice President Garban Ltd. Herbert Friedman Managing Director Salomon Brothers Inc

Kenneth J. Halpin Vice President & Treasurer Discount Corporation of New York

David M. Kelly President & CEO National Securities Clearing Corporation

James P. Mahoney Principal Morgan Stanley & Co. Incorporated

Joseph A. Malvasio
Executive Vice President
Cantor Fitzgerald
Securities Corp.

Leonard C. Monteleone Vice President RMJ Securities Corp.

Charles A. Moran
President
Government Securities
Clearing Corporation

Sal Ricca
Managing Director &
Chief Operating Officer
Security Pacific National
Trust Company

William D. Riley Managing Director The First Boston Corporation

M. Andrew Threadgold Managing Director J.P. Morgan Securities Inc.

# **Consolidated Balance Sheet**

	December 31,	
(in thousands)	1989	1988
Assets		
Current assets:		
Cash and cash equivalents	\$ 47,059	\$ 53,539
Temporary investments at cost (approximates market)	88,750	90,402
Accounts receivable, net	5,172	5,558
Settlement accounts receivable	2,174	3,183
Other current assets	452	970
Total current assets	143,607	153,652
Clearing fund	259,322	224,207
Fixed assets, less accumulated depreciation of \$2,349 and \$1,964 at December 31, 1989 and 1988, respectively	928	1,125
	8,116	7,275
Deposits and other noncurrent assets		
Total assets	\$411,973	\$386,259
Liabilities and Shareholders' Equity		
Current liabilities:		
Accounts payable	\$ 6,053	\$ 7,247
Settlement accounts payable	50,756	68,206
Other	5,543	5,787
Total current liabilities	62,352	81,240
Clearing fund:		
Participants' cash deposits	74,049	65,908
Other participant deposits	259,322	224,207
	333,371	290,115
Notes payable	3,250	3,250
Commitments and contingent liabilities (Note 5)		
Shareholders' equity:		
Common stock authorized, issued and outstanding; 30,000 shares of \$.50 par value	15	15
Capital in excess of par	885	885
Retained earnings	12,100	10,754
Totalined cultilings	13,000	11,654
m . 11: 1:22: 1 . L	<del></del>	\$386,259
Total liabilities and shareholders' equity	\$411,973	#300,∠39

The accompanying notes are an integral part of this statement.

# **Consolidated Statement of Income and Retained Earnings**

(in thousands)	For the year ended December 31,	
	1989	1988
Revenues:	-	
Revenue from clearing services	<b>\$</b> 74,735	\$70,852
Interest income	4,977	3,868
Total revenues	79,712	74,720
Expenses:		
Securities Industry Automation Corporation		
processing expenses	42,762	40,004
The Depository Trust Company fees	16,268	15,370
General and administrative	18,439	17,773
Total expenses	77,469	73,147
Income before income taxes	2,243	1,573
Provision for income taxes	897	607
Net income	1,346	966
Retained earnings, beginning of year	10,754	9,788
Retained earnings, end of year	\$12,100	\$10,754

 $\label{the accompanying notes are an integral part of this statement.$ 

# **Consolidated Statement of Cash Flows**

	For the year ended December 31,	
(in thousands)	1989	1988
Cash flows from operating activities:	·	
Net income	\$ 1,346	\$ 966
Adjustments to reconcile net income to net cash (used) provided by operating activities:		
Depreciation and amortization	385	412
Changes in operating assets and liabilities:		
Decrease in accounts receivable	386	209
Decrease in settlement accounts receivable	1,009	1,563
Decrease in other current assets	518	390
(Increase) decrease in deposits and other		
noncurrent assets	(841)	173
(Decrease) in accounts payable	(1,194)	(193)
(Decrease) increase in settlement accounts payable	(17,450)	23,632
(Decrease) in other current liabilities	(244)	(1,180)
Increase (decrease) in clearing fund participants'		
cash deposits	8,141	(19,404)
Net cash (used) provided by operating activities	(7,944)	6,568
Cash flows from investing activities:		
Decrease in temporary investments	1,652	18,594
Purchases of software and fixed assets	(188)	(251)
Net cash provided by investing activities	1,464	18,343
Net (decrease) increase in cash and cash equivalents	(6,480)	24,911
Cash and cash equivalents, beginning of year	53,539	28,628
Cash and cash equivalents, end of year	\$ 47,059	\$ 53,539
Supplementary disclosures:		
Income taxes paid	\$ 1,052	\$ 269
Interest paid	\$ 293	\$ 293

 $\label{the accompanying notes are an integral part of this statement.}$ 

#### Note 1 Organization and Operations:

National Securities Clearing Corporation (NSCC – the Company), a clearing agency registered with the Securities and Exchange Commission (SEC), provides various services to the financial community, consisting principally of securities trade comparison, clearance and settlement. The Company's common stock is owned equally by the New York Stock Exchange, Inc. (NYSE), American Stock Exchange, Inc. (Amex) and the National Association of Securities Dealers, Inc. (NASD). The Company is controlled by an independent user Board of Directors which is responsible for its policies, operations and financing.

The Company is the sole shareholder of International Securities Clearing Corporation (ISCC) which supports U.S. brokers, dealers and banks through bilateral linkages with central clearing and depository organizations in other countries.

The Board of Directors of the Company determines any additions to retained earnings it wishes to establish in a given year, having due regard to current and anticipated needs. The Company has not historically declared dividends to shareholders, but has provided discounts on its billings to participants of \$6,058,000 and \$2,416,000 in 1989 and 1988, respectively. Revenue from clearing services is shown net of such discounts.

#### Note 2 Summary of Significant Accounting Policies:

Principles of Consolidation: The consolidated financial statements include the accounts of the Company and its wholly owned subsidiary, ISCC. All significant intercompany accounts and transactions are eliminated in consolidation. For the period January 1, 1988 to May 20, 1988, the Company's consolidated financial statements also included the accounts of Government Securities Clearing Corporation (GSCC), an entity formed to provide automated comparison and netting services to brokers, dealers and banks trading in U.S. Government securities. On May 20, 1988 and sub-

sequent thereto, GSCC issued common stock to certain participants, which reduced NSCC's ownership interest to approximately 19%. The Company is accounting for its investment in GSCC subsequent to May 20, 1988 using the equity method of accounting.

Cash and cash equivalents: The Company's investment policy allows for the investment of funds in overnight reverse repurchase agreements. Such agreements provide for the Company's delivery of cash in exchange for securities having a market value of at least 102% of the amount of the agreement. An independent custodian designated by the Company receives the cash and takes possession of the securities. Investments under reverse repurchase agreements amounted to \$37,000,000 and \$40,000,000 at December 31, 1989 and 1988, respectively.

Temporary investments: Temporary investments consist of U.S. Treasury securities maturing primarily in less than one year, and are carried at cost adjusted for amortization of premiums and accretion of discounts. Investments of \$41,540,000 and \$44,400,000 at December 31, 1989 and 1988, respectively, were held in an account for the exclusive benefit of participants to facilitate participants' compliance with customer segregation rules of the SEC.

Settlement accounts: Settlement accounts receivable and payable arise from one-day time lags in the cash settlement process between the Company and participants and other registered clearing agencies. The nature of the Company's business involves significant money transfers on a daily basis, certain of which are executed via Federal Funds and given effect in the financial statements on the basis of one-day earlier Clearing House Funds.

*Notes payable:* Notes payable consist of \$3,250,000 of ten-year notes issued by ISCC due June 15, 1996. The notes bear interest at a rate of 9% per annum, and interest payments are made annually on June 15.

Income taxes: Provision is made for deferred income taxes applicable to revenues and expenses reported in the financial statements in periods which differ from those in which they are subject to taxation.

In December 1987, the Financial Accounting Standards Board issued Statement of Financial Accounting Standards (SFAS) No. 96, Accounting for Income Taxes. SFAS 96 mandates the liability method for computing deferred income taxes. The Company intends to adopt SFAS 96 when adoption becomes mandatory. Adoption of the new Statement is not expected to have a significant effect on the Company's financial position or results of operations.

The Company and ISCC file consolidated Federal and combined New York State and City income tax returns. The difference between the 40.0% effective tax rate for the year ended December 31, 1989 (38.6% for the year ended December 31, 1988) and the 34% federal statutory tax rate, is primarily attributable to state and local taxes.

Reclassifications: Certain reclassifications of 1988 amounts have been made in the accompanying financial statements to conform to the 1989 presentation.

Statement of Cash Flows: In 1989 the Company adopted the indirect method of presentation of a statement of cash flows as permitted by SFAS No. 95, Statement of Cash Flows, and has restated its 1988 statement of cash flows accordingly.

#### Note 3 Participant Deposits:

The rules of the Company require certain participants to maintain minimum clearing fund deposits based on calculated requirements. The consolidated clearing fund balance includes the NSCC and ISCC clearing funds, which are available to secure respective participant obligations and certain liabilities of NSCC and ISCC, should they occur. Clearing fund requirements and cash in excess of calculated requirements amounted to \$333,371,000 and \$290,115,000 at December 31, 1989 and 1988, respectively. Total clearing fund deposits held at December 31, 1989 consisted of \$74,049,000 in cash, \$65,848,000 in market value of securities issued or guaranteed by the U.S. Government, its states and their political subdivisions, and \$361,222,000 in letters of credit issued by authorized banks; comparative amounts as of December 31, 1988 were \$65,908,000, \$44,702,000 and \$264,122,000, respectively.

## Note 4 Transactions with Related Parties:

GSCC: Effective May 20, 1988, the Company entered into an agreement with GSCC to provide various support services and office facilities. Charges under this agreement are based on the Company's cost of providing these services. The agreement formally expires in 1993; however, it will continue in effect unless notice of cancellation is given by either party. Costs under this agreement amounted to \$4,557,000 and \$2,700,000 in 1989 and 1988, respectively. At December 31, 1989 and 1988, receivable from (payable to) GSCC amounted to \$264,000 and (\$3,733,000), respectively.

NYSE, Amex, and NASD: NSCC collects regulatory fees on behalf of NYSE, Amex and NASD. At December 31, 1989, no regulatory fees were due NYSE, Amex or NASD. At December 31, 1988, amounts due to NYSE were \$1,664,000 and amounts due to NASD were \$138,000.

SIAC and DTC: Under the terms of an agreement, the Securities Industry Automation Corporation (SIAC), an entity

owned by NYSE and Amex, provides facilities, personnel and services in support of the Company's operations. SIAC charges NSCC for these services based on its direct, computer and overhead costs arising from providing such services. The agreement has no expiration date and continues in effect unless satisfactory written notice of cancellation is given by either party.

The Company sublets a portion of its space to SIAC. Rental payments received from SIAC amounted to \$1,605,000 in 1989 and \$1,547,000 in 1988.

NYSE, Amex and NASD own minority interests in The Depository Trust Company (DTC), whose facilities are used by the Company. DTC fees included \$12,072,000 and \$12,070,000, net of rebates, in 1989 and 1988, respectively, relating to charges for NSCC participants which the Company sponsors at DTC. NSCC passes through these charges directly to the sponsored participants. In addition, the Company rents certain office space from DTC. Rental payments amounted to \$795,000 in both 1989 and 1988.

Amounts payable at December 31, 1989 to SIAC and DTC were \$3,856,000 and \$686,000, respectively (\$4,332,000 and \$351,000, respectively, at December 31, 1988). Amounts receivable from SIAC at December 31, 1988 amounted to \$577,000.

#### Note 5 Commitments and Contingent Liabilities:

The Continuous Net Settlement (CNS) system interposes the Company between participants in securities clearance and settlement. The failure of participants to deliver securities to the Company, and the corresponding failure of the Company to redeliver the securities, results in open positions. Open positions are marked-to-market daily. Such marks are debited or credited to the involved participants through the settlement process. At the close of business on December 31, 1989, open positions due the Company approximated \$580,322,000 (\$568,046,000 at December 31, 1988), and open positions due by the Company to participants approximated \$378,058,000 (\$406,066,000 at December 31, 1988) for unsettled positions and \$202,264,000 (\$161,980,000 at December 31, 1988) for securities borrowed through the Company's Stock Borrow Program.

In connection with an agreement ISCC has with The International Stock Exchange (ISE) in London, ISCC and NSCC have guaranteed the settlement obligations of ISCC's (continued)

members at ISE. ISCC's members collateralize such obligations by depositing clearing fund amounts with ISCC as required pursuant to the ISCC Member's Agreement. Throughout 1989, ISCC had an unused 1,000,000 pound sterling line of credit with a major London bank.

Under the terms of the agreement with SIAC noted above, the Company is contingently liable in the event of cancellation for computer equipment leases in the amount of \$9,906,000 at December 31, 1989. In accordance with the agreement between NSCC and GSCC (see Note 4), \$2,064,000 of these contingent liabilities are passed through to GSCC.

Additionally, in connection with SIAC's establishment of a dual processing site, the Company has entered into an agreement indemnifying NYSE, the guarantor, for NSCC's proportionate share of proposed long-term lease obligations. The Company's contingent liability under this agreement is approximately \$2,000,000 per annum through 1998.

At December 31, 1989, future minimum annual rental payments under all noncancellable operating leases are as follows:

Total minimum annual rental payments	\$23,981,000
1995 and thereafter	8,404,000
1994	3,222,000
1993	3,002,000
1992	2,828,000
1991	2,984,000
1990	\$ 3,541,000

Total sublease rentals of \$2,031,000 are to be received over the two-year period 1990 through 1991 under noncancellable subleases at December 31, 1989. Rental expense amounted to \$1,804,000 and \$1,973,000, which is net of rental reimbursements of \$1,605,000 and \$1,547,000 in 1989 and 1988, respectively.

#### Note 6 Pension Plan:

The Company has a trusteed noncontributory defined benefit pension plan covering substantially all employees. Benefits under this plan are generally based on employees' years of service and compensation during the years immediately preceding retirement. The Company's funding policy is to make contributions under the plan that meet or exceed the minimum funding standards under the Employee Retirement Income Security Act of 1974 and the Internal Revenue Code of 1986, as amended.

The Company also has a noncontributory supplemental executive retirement plan which provides for certain benefits to identified executives of the Company upon retirement which are in addition to benefits provided by the defined benefit pension plan. Aggregate pension cost for 1989 for both plans is summarized as follows:

Service cost	\$ 508,6	07
Interest cost	267,6	
Actual return on plan assets	(580,7	89)
Net amortization and deferral	417,5	33
Total pension cost	\$ 613,0	<u></u>

Aggregate pension cost for the year ended December 31, 1988 amounted to \$479,008. The funded status of the plans at December 31, 1989 is as follows:

Actuarial present value of benefit obligations:	
Vested benefit obligations	\$(1,506,747)
Nonvested benefit obligations	(322,088)
Accumulated benefit obligations	(1,828,835)
Effect of salary projections	(2,301,319)
Projected benefit obligations	(4,130,154)
Fair value of plan assets	3,017,342
Plan assets less than projected benefit	
obligations	(1,112,812)
Unrecognized net gain	(165,816)
Unrecognized prior service cost	(191, 164)
Unrecognized transitional liability	449,417
Accrued pension cost	\$(1,020,375)

The expected rate of return on plan assets was 8% in 1989. The discount rate and rate of increase in future compensation levels used in determining the actuarial present value of accumulated benefit obligations were 8.5% and 8%, respectively, in 1989.

# Report of Independent Accountants

# **Branch Offices**

### Price Waterhouse



To the Board of Directors and Shareholders of **National Securities Clearing Corporation** 

In our opinion, the accompanying consolidated balance sheet and the related consolidated statements of income and retained earnings and of cash flows present fairly, in all material respects, the financial position of National Securities Clearing Corporation and its subsidiary at December 31, 1989 and 1988, and the results of their operations and their cash flows for the years then ended in conformity with generally accepted accounting principles. These financial statements are the responsibility of the Company's management; our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with generally accepted auditing standards which require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for the opinion expressed above.

February 20, 1990

Price Woterhouse

## **National Securities Clearing Corporation**

Corporate Office 55 Water Street New York, NY 10041 (212) 510-0400

Boston One Boston Place Boston, Massachusetts 02108

Chicago 135 South LaSalle Street Chicago, Illinois 60603

Dallas Plaza of the Americas TCB Tower Dallas, Texas 75201

Denver Dominion Plaza 600 17th Street Denver, Colorado 80202

Detroit 3153 Penobscot Building Detroit, Michigan 48226

Jersey City 10 Exchange Place Jersey City, New Jersey 07302

Los Angeles 727 West 7th Street Los Angeles, California 90017

Minneapolis IDS Center 80 South 8th Street Minneapolis, Minnesota 55402

St. Louis One Mercantile Tower St. Louis, Missouri 63101

San Francisco 250 Montgomery Street San Francisco, California 94104

Seattle 770 Century Square Seattle, Washington 98101

Toronto Two First Canadian Place Toronto, Ontario, Canada M5X 1A9

## **International Securities Clearing Corporation**

Corporate Office 55 Water Street New York, New York 10041 (212) 510-0400

## **Government Securities Clearing Corporation**

Corporate Office 55 Water Street New York, New York 10041 (212) 510-0400

# **Participating Organizations**

(as of December 31, 1989)

**ABD Securities Corporation** Adams, Harkness & Hill, Inc. Adler, Coleman & Co., Inc. Advantage Capital Corporation Advest, Inc. J. Alexander Securities, Inc. Fred Alger & Company Incorporated Allen & Company Incorporated Allen Securities Corp. Alpine Associates Amalgamated Bank of New York American Brokerage Services Inc./ ODC American Securities Corporation American Stock Exchange Clearing Corporation Amster & Co. Arnhold and S. Bleichroeder, Inc. Asiel & Co. **BHF Securities Corporation BT** Brokerage Corporation Julius Baer Securities Inc. Baird, Patrick & Co., Inc. Robert W. Baird & Co., Incorporated Bank of Montreal, New York Branch The Bank of New York The Bank of New York - Brokers Clearance Bankers Trust Broker Clearing Unit Bankers Trust - Clearance **Bankers Trust Company** Bankers Trust/Investment Services Barclays Bank International Limited George K. Baum & Co. Bear, Stearns & Co., Inc. Bear, Stearns Specialist Bear, Stearns Specialists - NYSE Beckman & Co., Inc. Benton & Company Sanford C. Bernstein & Co., Inc. Bidwell & Company Blackmore & Co., Inc. Charles M. Blair & Co., Inc. William Blair & Company Blinder, Robinson & Co., Inc. Bocklett & Co. Boston Stock Exchange Clearing Corp. Bodell Overcash Anderson & Co., Inc. Buell Securities Corp. Cantella & Co. (Retail) Datek Securities Corp. Diamant Investment Corp. F. W. Doyle & Co. Gage-Wiley & Co., Inc. Gowell Securities Corporation (Retail) Hibbard Brown & Co., Inc. Instant Funds Incorporated **Investors Discount Corporation** Kimball & Cross Merrimack Valley Investment Inc.

H. M. Payson & Co.

Shelter Rock Securities Corp. Winslow Investment Company Arthur W. Wood Company Boston Stock Exchange Specialist Account **ABD Securities Corporation BHF Securities Corporation** Cantella & Co. The Chicago Corporation Dean Witter Reynolds Inc. Dietrich & Company Ganoudis Securities, Inc. Garden State Securities, Inc. Gowell Securities Corp. Hawthorne Securities Corp. Jefferies & Co., Inc. King, Keller & Co. Meadowbrook Securities, Inc. Merrill Lynch Specialists, Inc. National Financial Services Corn. Ocean Hill Equities, Inc. PaineWebber Specialists, Inc. Pershing Division of Donaldson, Lufkin & Jenrette Securities Corporation Prescott, Ball & Turbin, Inc. J. C. Bradford & Co. Branch, Cabell & Co. **Broadcort Capital Corporation** Brounoff, Claire & Co., Inc. Alex. Brown & Sons Incorporated Brown Brothers Harriman & Co. **Brown & Company Securities** Corporation Brown, Lisle/Cummings, Inc. P. R. Burke & Co., Inc. Burns Fry Hoare Govette Inc. Burns, Pauli & Co., Inc. D. A. Campbell Company, Inc. Campbell, Waterman, Inc. Canadian Depository for Securites Limited Andras Research Capital Inc. Brault, Guy, O'Brien, Inc. **Brawly Cathers Limited** Alfred Bunting & Company Ltd. Burns Fry Limited Canarim Investment Corporation Capital Group Securities Limited Connor, Clark & Company Ltd. Darier Canada Inc. Deacon Morgan McEwen Easson Limited Dean Witter Reynolds (Canada) Inc. Deragon Langlois Ltd. Disnat Investment Inc. First Boston Canada Limited First Canada Securities Corporation First Marathon Securities Limited Geoffrion, Leclerc Inc. Gordon Capital Corporation Greenline Investor Services Inc. Guardian Trust Company Lafferty, Harwood & Partners Ltd. Levesque, Beaubien Inc.

Loewen, Ondaatje, McCutcheon & MacDougall, MacDougall & MacTier Ltd. McCarthy Securities Limited McNeil, Mantha, Inc. Merit Investment Corporation Midland Doherty Limited Nesbitt Thomson Deacon Inc. Odlum Brown Limited Pictet (Canada) and Company, Limited Prudential Bache Securities Canada Ltd. RBC Dominion Securities Inc. Richardson Greenshields of Canada Limited ScotiaMcLeod Inc. Thomson Kernaghan & Co. Ltd. Trust La Laurentienne du Canada Walwyn Stodgell Cochran Murray Limited Wood Gundy Inc. Yorkton Securities Inc. Canadian Imperial Bank of Commerce Cantor Fitzgerald & Co., Inc. Cantor Fitzgerald Corporate Brokers, Inc. S. B. Cantor & Co., Inc. Capital Shares, Inc. Carr Securities Corp Carroll McEntee McGinley Securities, Inc. Cenpac Securities Corporation Challenge Securities, Inc. J. W. Charles Securities, Inc. Chase Dealer & Investment The Chase Manhattan Bank, N.A. Chase/Syndicate Chemical Bank Chemical Bank/CSI The Chicago Corporation S. W. Childs Management Corp. The Cincinnati Stock Exchange Citibank Dealer - Municipal Operations Citibank, N.A. Citibank - Private Banking Division Citizens and Southern Securities Corporation Coast Options Inc. Commerzbank Capital Markets Corporation Common Bank Office Inc. The Connecticut Bank and Trust, N.A. Coughlin & Co., Inc. County NatWest Securities Corporation USA Cowen & Co. Craig-Hallum, Inc.

Craigie Incorporated Cresvale International, Inc. Crowell. Weedon & Co. **Custodial Trust Company** Dain Bosworth Incorporated Daiwa Securities America Inc. Daugherty, Cole Inc. Davenport & Co. of Virginia, Inc. D. A. Davidson & Co. Inc. Shelby Cullom Davis & Company Dean Witter Reynolds Inc. Deltec Securities Corporation Deutsche Bank Capital Corporation Dillon, Read & Co. Inc. Doft & Co., Inc. Dominick & Dominick, Incorporated Drexel Burnham Lambert Incorporated Easton & Co. A. G. Edwards & Sons, Inc. Einhorn & Co. Eppler, Guerin & Turner, Inc. Equity Securities Trading Co., Inc. Ernst & Company Ernst Loan Services Exchange Services, Inc. **Execution Services Incorporated** Fagenson & Company, Inc. Fagenson & Company, Inc. - Retail Fahnestock & Co., Inc. Fechtor, Detwiler & Co., Inc. Fernandez, Bartsch & Mirra Financial Clearing & Services Corporation Financial Network Investment Corporation First Alabama Investments, Inc. First Albany Corporation The First Boston Corporation First Manhattan Co. First of Michigan Corporation First Options of Chicago, Inc. First Southwest Company First Wachovia Brokerage Service Corporation Fossett Corporation Walter N. Frank & Co. Wm. V. Frankel & Co., Inc. Freeman Securities Company, Inc. Freeman Welwood & Co., Inc. French American Banking Corp. Albert Fried & Company Fundamental Corporate Bond Brokers, Inc. J. W. Gant & Associates, Inc. Geldermann Securities, Inc. Geldermann Securities, Inc. (Retail) Gintelco, Inc. Glickenhaus & Co. Goldman, Sachs & Co. Gordon & Co. Gradison & Company Incorporated Oscar Gruss & Son Incorporated

Hamilton Investments, Inc. John Hancock Clearing Corporation Hanifen, Imhoff Inc. J. F. Hartfield & Co., Inc. The Heitner Corporation Henderson Brothers, Inc. Herzog, Heine, Geduld, Inc. Hill, Thompson, Magid & Co., Inc. J. J. B. Hilliard, W. L. Lyons Inc. William R. Hough & Co. Howard, Weil, Labouisse, Friedrichs Incorporated Wayne Hummer & Co. **Huntleigh Securities Corporation** IBJ Schroder Bank & Trust Co. **INC Trading Corporation** ISFA Corporation/Invest Icahn & Co., Inc. Ingalls & Snyder Interstate/Johnson Lane Corporation InvestNet Cornoration **Irving Trust Company** Irving Trust/Investment/Dealer JJC Specialist Corp. **JMS Execution Services** Benjamin Jacobson & Sons Janney Montgomery Scott Inc. Jefferies & Co., Inc. Jesup & Lamont, Incorporated Johnston, Lemon & Co. Incorporated Edward D. Jones & Co. S. A. Judah & Co., Inc. K K & Company Kalb, Voorhis & Co. Kaufmann, Alsberg & Co., Inc. H. Kawano & Co., Inc. Kellner, DiLeo & Co. Kellogg Equities Execution Kemper Clearing Corp. J. J. Kenny Drake, Inc. Kidder, Peabody & Co. Incorporated C. L. King & Associates, Inc. Koonce Securities Inc. Henry Krieger/DBI L.P. LIT America, Inc. LIT America, Inc./DOT LIT America, Inc./DOT 2 LIT America, Inc. Securities Lending LaBranche & Co. Emmett A. Larkin Co., Inc. Lashco, Inc. Lasker, Stone & Stern C. J. Lawrence, Morgan Grenfell, Inc. Lawrence, O'Donnell, Marcus & Co. Lazard Freres & Co. Lewco Securities Corp. Liberty Street Trust Company Lomas Securities USA, Inc. MKI Securities Corp. MN Services

MS Securities Services Inc. Mabon, Nugent & Co. MacAllaster Pitfield Mackay Inc. Bernard L. Madoff Manufacturers and Traders Trust Company Manufacturers Correspondent Clearing Services Manufacturers Hanover Securities Corporation Manufacturers Hanover Trust Company Manufacturers Hanover Trust Company - Municipal Dealer Operations Marcus Schloss & Co., Inc. Marine Midland Bank - New York Marketing One Securities, Inc. Mayer & Schweitzer, Inc. McCourtney-Breckenridge & Company McDaniel Lewis & Co. McDonald & Company Securities, Inc. M. I. Meehan & Co. Mellon Securities Trust Co. Mercator Partners Mericka & Co., Inc. Merrill Lynch, Pierce, Fenner & Smith Inc. Merrill Lynch, Pierce, Fenner & Smith Inc. - Securities Lending Mesirow Capital, Inc. Midland Doherty Inc. Midwest Clearing Corporation Bartlett & Co. **Equitable Securities Corporation** Howe, Barnes & Johnson, Inc. Kessler Asher Clearing Inc. Mesirow Capital, Inc. The Ohio Company Montgomery Securities Morgan Guaranty Trust Company of New York J. P. Morgan Securities Inc. J. P. Morgan Securities Inc. - Fixed Income Division Morgan, Keegan & Company, Inc. Morgan, Olmstead, Kennedy & Gardner Incorporated Morgan Stanley & Co. Incorporated Murphey Favre, Inc. Murphey, Marseilles, Smith & Nammack, Inc. Murphy & Durieu **NB** Clearing Corporation NFSCO - Stock Loan National Financial Services Corporation National Westminster Bank N.J. National Westminster Bank USA Neuberger & Berman

New Japan Securities International,

New Windsor Associates, L.P. W. H. Newbold's Son & Co./Hopper Soliday & Co., Inc.

Inc.

Newbridge Securities Inc. Newhard, Cook & Co. Incorporated The Nikko Securities Co. International, Inc. Nippon Kangyo Kakumaru International, Inc. Nomura Securities International, Inc. The Northern Trust Company - Trust Income Collections John Nuveen & Co. Incorporated O'Connor & Associates O'Connor Securities Offerman & Co., Inc. Olde Discount Corporation Oppenheimer & Co., Inc. Pacific Brokerage Services, Inc. Pacific Stock Exchange Specialist Account **ABD Securities Corporation** AGF Securities Inc. Adams-Fastnow Company, Inc. Bateman Eichler, Hill Richards Incorporated The Chicago Corporation Crowell, Weedon & Co. D. A. Davidson & Co., Inc. Dean Witter Reynolds Inc. Donaldson, Lufkin & Jenrette Securities Corp. Garat & Co. Goldberg Securities, Inc. Haynes, Lawson & Co. Shiels Hoelscher & Co. Hopkins, Harbach & Co. Jefferies & Company, Inc. K. J. Keeley & Co. Inc. Ronald E. Melville, Inc. Merrill Lynch Specialists Inc. Mitchum Jones & Templeton Inc. LAQ-PSE LA SCOREX PQ-PSE SF SCOREX PaineWebber Specialists Inc. Post 63 Partners Post 96 Partners Seidler Amdec Securities Inc. Shearson Lehman Bros. Inc. Sutro Specialists, Inc. TCW Inc. Wedbush Securities, Inc. Weeden & Co. Don C. Whitaker Inc. L. W. Wilson & Co., Inc. Yamaichi International (America), Inc. PaineWebber Incorporated PaineWebber Specialists, Incorporated - deCordova Division S. C. Parker & Co., Inc. Pershing Divison of Donaldson,

Lufkin & Jenrette Securities

Corporation

Pflueger & Baerwald Inc. Carl H. Pforzheimer & Co. Piper, Jaffray & Hopwood Incorporated Porter, White & Yardley, Inc. Preferred Technology, Inc. Prudential-Bache Securities Inc. Purcell, Graham & Co. E. J. Quinn & Co., Inc. F. P. Quinn & Co. **RAF Financial Corporation RBC Dominion Securities Corporation** R.F.G. Co. R. J. Stock Lending **RSF Partners** Ragen, MacKenzie Incorporated Rauscher Pierce Refsnes, Inc. Raymond, James & Associates, Inc. W. H. Reaves & Co., Inc. Refco Securities, Inc. Refco Securities, Inc./Stock Loan Regional Clearing Corp. Richardson Greenshields Securities M. Rimson & Co., Inc. Robb, Peck, McCooey Clearing Corporation Robertson, Stephens & Company Rodman & Renshaw, Inc. Roney & Co. Roosevelt & Cross, Incorporated Roulston Research Corp. Ryan, Beck & Co. SBCI Swiss Bank Corporation Investment banking Inc. SLS Clearance SLS Securities Limited Partnership Sage Clearing Corporation Sage, Rutty & Co., Inc. Salomon Brothers Inc Santa Barbara Bank & Trust M. A. Schapiro & Co., Inc. Charles Schwab & Co., Inc. ScotiaMcLeod (USA) Inc. Scott & Stringfellow Investment Corporation Seasongood & Mayer Securities Settlement Corporation Security Pacific Loan Group Security Pacific National Trust Company Morton Seidel & Co., Inc. Seligman Securities, Inc. Shearson Lehman Hutton Inc. Smith Barney, Harris Upham & Co. Incorporated Smith, Moore & Co. Smith New Court, Carl Marks Inc. Southwest Securities Incorporated Spear, Leeds & Kellogg Spear Securities, Inc. State Street Bank and Trust

Company, N.A.

R. J. Steichen & Co.

# **Participating Organizations**

(as of December 31, 1989)

Stern & Kennedy M. L. Stern & Co., Inc. Sterne, Agee & Leach, Inc. Stifel, Nicolaus & Company Incorporated Stock Clearing Corporation of Philadelphia BHC Securities, Inc. Susquehanna Investment Group StockCross, Inc. Stokes, Hoyt & Co. Stone & Youngberg J. Streicher & Co. The Stuart-James Company, Inc. Sutro & Co. Incorporated Henry F. Swift & Co. Swiss American Securities, Inc. Thomson McKinnon Securities Inc. Timber Hill, Inc. The Toronto-Dominion Bank Transatlantic Securities Company **Tucker Anthony Incorporated UBS** Securities Inc. U.S. Clearing Corporation **Unified Management Corporation** United Missouri Bank of Kansas City, N.A. United States Trust Company of New York Universal Securities Corporation Vail Securities Investment, Inc. Van Kampen Merritt Inc. W & D Securities, Inc. WSI Stock Loan Wachtel & Co., Inc. Wagner, Stott & Co. Wagner Stott Clearing Corp. Wagner Stott Clearing Corp./Cohen Feit & Co. Wall Street Clearing Company Wall Street Equities, Inc. S. G. Warburg & Co., Inc. Waterhouse Securities Inc. Weber, Hall, Sale & Associates, Inc. Wechsler & Krumholz, Inc. Wedbush Morgan Securities, Inc. Weiss, Peck & Greer H. G. Wellington & Co., Inc. Wells Fargo Bank, N.A. Wells Fargo Investment Advisors Wheat, First Securities, Inc. Thomas F. White & Co., Inc. Williams Securities Group, Inc. Wilshire Associates Incorporated T. R. Winston McKinney & Company Wolfe & Hurst Bond Brokers, Inc. Wood Gundy Corp. Yamaichi International (America), Inc. Broadway Financial Investment & B. C. Zeigler & Company Ziegler Thrift Trading, Inc.

For Municipal Comparison Only Acker, Wolman Securities Corp. Adams, McEntee & Company Allied Bank of Texas American National Bank - St. Paul American National Bank & Trust Company of Chicago American Security Bank, N.A. (Washington, D.C.) AmSouth Bank, N.A. **BT** Securities Corporation BancTexas Dallas N.A. Bank IV Wichita, N.A. Bank of America, BISD Dealer -Portfolio Bank of Boston Connecticut Bank of California Bank of Hawaii Bank of Oklahoma, N.A. Bank One, Indianapolis, N.A. Bank One, Milwaukee, NA Bank South, N.A. (Atlanta) **Bankers Trust Company** Cantor Fitzgerald & Co., Inc. -Retail Dealer Citizens First National Bank of New Jersey Citizens Trust Company Crestar Bank First Commercial Bank of Little Rock First Florida Bank, N.A. First Interstate Bank of Nevada, First Wisconsin National Bank of Milwaukee Grigsby, Brandford & Co., Inc. The Leedy Corporation Midlantic National Bank E. A. Moos & Co. Incorporated National City Bank, Cleveland Pacificorp Capital Securities, Inc. D. A. Pincus & Co., Inc. R. Seelaus & Co., Inc. Southeastern Municipal Bonds, Inc. Sterling, Grace Municipal Securities Corporation Strahsmeier Securities Co. The Summit Trust Company Tollner & Bean, Inc. Wheeler Municipals Corp. Barnett Bank of Jacksonville, N.A. Barr Brothers & Co., Inc. BayBank Boston, N.A. Boatmen's National Bank of St. Louis -Dealer Account Branch Banking & Trust Co. Services Corp. Clayton Brown & Associates, Inc. K. R. Butler, Inc.

C & S National Bank/Dealer

Cal State Securities Corp.

Cain Brothers, Shattuck & Company

Cantor Fitzgerald Municipal Brokers, Inc. Cape Cod Bank & Trust Co. Capital Markets Corporation Carolan & Co., Inc. Carty & Company, Inc. Central Bank of the South The Central Trust Co. N.A. Cincinnati Chapdelaine & Co. Chase Lincoln First Bank, N.A. Chemical Bank - Municipal Dealer Citicorp Securities Markets, Inc. City National Bank, Beverly Hills, California Colorado National Bank of Denver Comerica Bank - Detroit Commerce Bank of Kansas City, N.A. Commerce Bank of St. Louis, N.A. Commercial National Bank of Peoria Connecticut National Bank -Investment Dealer Conners & Company R. W. Corby & Company, Inc. Country Club Bank, Kansas City Crews & Associates, Inc. Denver National Bank - Investment Dept. Deposit Guaranty National Bank, Jackson, MS The Depository Trust Company First National Bank of Louisville Manufacturers National Bank of Detroit - Municipal Bond Dept. Star Bank, N.A. Wachovia Bank & Trust Company, N.A. Ladd Dinkins & Company Discount Corporation of New York Municipals Doley Securities Inc. Dominion Bank, N.A. (Roanoke, VA) Douglas & Co. Municipals, Inc. Duke McElroy & Company, Inc. Egan, Marrin & Rubano, Inc. Ehrlich-Bober & Co., Inc. Equibank, N.A. **Essex Company** W. N. Estes & Company, Inc. European American Bank The Exchange National Bank of Chicago Fidelity Bank, N. A. The Fifth Third Bank First American Bank of Georgia, N.A. First American National Bank -Nashville First Bank (N.A.) Milwaukee

First Charlotte Corporation First Chicago Capital Markets, Inc. First Citizens Bank & Trust Company First City, Texas - Houston, N.A. First Commercial Bank First Fidelity Bank, N.A. New Jersey/Municipal Dealer First Institutional Services Corp. First Interregional Equity Corp. First Interstate Bank of Arizona, N.A. First Interstate Bank of California -Dealer Bond Department First Interstate Bank of Denver, N.A. First Interstate Bank of Oklahoma City - Investment Division First Interstate Bank of Oregon, N.A. First Interstate Bank of Washington -Bank Investment Department First Missouri Bank & Trust Company The First National Bank of Boston -Dealer First National Bank of Chicago First National Bank of Commerce (New Orleans) First National Bank of Maryland First National Bank of Minneapolis -**Bond Dealer** First National Bank of Springfield The First National Bank & Trust Co. of Tulsa - Investment Division First of America Bank - Detroit, N.A. First Security Bank of Utah, N.A. First Southern Securities. Inc. First Tennessee Bank, N.A. First Union National Bank of North Carolina Florida National Bank (Jacksonville) Fox Reusch & Co., Inc. The Frazer Lanier Company Frost National Bank - Bond Dept. Halpert and Company, Inc. J. B. Hanauer & Co. Harper, McLean & Company Hattier, Sanford & Reynoir The Huntington National Bank Hutchinson, Shockey, Erley & Co. Indiana National Bank **Irving Trust Company** Citibank (Arizona) The First National Bank in Albuquerque The Provident Bank Johnston, Brown, Burnett & Knight, Lex Jolley & Co., Inc. Joe Jolly & Co., Inc. Kirchner, Moore & Company W. L. Knox & Company LaSalle National Bank/Dealer Operations

David Lerner Associates, Inc. Liberty National Bank and Trust Company (Louisville, KY) Liberty National Bank & Trust Company Investment Dept. (Oklahoma City, OK) M&I Marshall & Ilsley Bank Manufacturers and Traders Trust Co. Muni Trading & Safekeeping Manufacturers Hanover Trust Company Alamo National Bank The Arizona Bank Banco Popular de Puerto Rico BancOhio National Bank Bank of Virginia Bankers Trust of South Carolina Boatmen's National Bank of St. Louis Central Fidelity Bank Central Fidelity Bank -Investments Central Fidelity Bank (Lynchburg, VA) Corpus Christi National Bank The First National Bank of Shreveport First National Bank of South Carolina Hibernia National Bank in New Orleans Imperial Bank (Los Angeles) Landmark First National Bank **Old Stone Corporation** South Carolina National Bank Southtrust Bank of Alabama, N.A. Sovran Bank, N.A. Sovran Bank, N.A. - Trading Account UnibancTrust United Bank and Trust Company Marine Midland Bank - New York First National Bank of Toms River, N.I. Second National Bank of Saginaw United Jersey Bank Mark Twain National Bank (St. Louis, MO) Hugo Marx & Co., Inc. Masterson & Company McLiney and Company Mellon Bank (East), N.A. Mellon Bank, N.A. Mercantile Bank, N.A. Merchants National Bank & Trust Company of Indianapolis Meuse, Rinker, Chapman, Endres & **Brooks** 

N. D. Meyer & Co., Inc.

Michigan National Bank of Detroit

Municipal Investors Service, Inc.

NCNB National Bank of Florida NCNB National Bank of North Carolina NCNB National Bank of South Carolina NCNB Texas National Bank, Dallas National Bank of Commerce Trust & Savings Association - Dealer National Bank of Detroit Newman and Associates, Inc. Norstar Bank, N.A./Buffalo Norstar Bank of Upstate New York (Albany) Norwest Investment Services O'Brien & Shepard, Inc. J. A. Overton & Co. PNC Securities Corp. Park Investment Corporation Philadelphia National Bank -Corestates Capital Markets Group Pittsburgh National Bank Rainier National Bank Rhode Island Hospital Trust National Bank Rickel & Associates SSB - Bank Portfolio Scheetz, Smith & Company, Inc. Schmidt Securities, Inc. Seattle First National Bank Seattle Northwest Securities Corporation SecuriCorp. Inc. Security Bank of Kansas City Security Pacific Clearing & Services Corp. Adams, Block & Coe Securities Allison, Rosenblum & Hannahs, Asch-Dwyer Municipal Securities L.P. James Baker & Company Berghoff, Marsh & Company A. F. Best Securities, Inc. Capitol Municipal Securities, Inc. Chilton & O'Connor, Inc. CommunityBanc Brokerage Corporation Langdon P. Cook & Co. Incorporated Dayton, Kahn, Heppe, Hancock Dolphin & Bradbury Incorporated A. Webster Dougherty & Co. Incorporated Drizos Investments, Inc. Duncan-Williams, Inc. R. W. Ellwood & Co., Inc. Emmet & Co., Inc. First Eastern Bank, N.A. First Miami Securities Gibraltar Securities Co. Greenwich Partners, Inc. Griffin, Kubik, Stephens &

Thompson, Inc.

Hammon & Botzum, Incorporated Henry/Kearns Municipals, Inc. Maryland National Bank McGowan, O'Meara & Company, Inc. Mid-State Securities Corp. National Bank of Commerce (Birmingham, AL) National Bank of Commerce (Memphis, TN) One National Bank - Investments Leo Oppenheim & Co., Inc. Pacific Securities Inc. R H Investment Corporation Arch W. Roberts & Co. Russell, Rea & Zappala, Inc. Scharff & Jones, Inc. Smith Peters & Stark Townes & Co., Inc. Vining-Sparks Securities, Inc. Westcap Securities, Inc. A. H. Williams & Co., Inc. Security Pacific National Bank Shawmut Bank - Investment Division Signet Bank/Virginia Simmons First National Bank of Pine Bluff Herbert J. Sims & Co., Inc. Sisung Securities, Inc. R. W. Smith & Associates, Inc. Society National Bank Southeast Bank, N.A. Sovran Bank/Central South Sovran Investment Corp. J. W. Sparks Municipals, Inc. Stoever, Glass & Co. Inc. Texas American Bank, N.A./ Fort Worth Texas Commerce Bank, N.A. Texas Independent Bank Third National Bank in Nashville Thornton, Farish & Gauntt Titus & Donnelly Inc. Trust Company Bank - Investment **Banking Division** Trustmark National Bank U.S. Bank of Washington National Association Unibanc Trading Union Bank - Treasury Department Union Planters Investment Bankers Group United Bank of Denver, N.A. United States Bank of Oregon/Dealer Valley National Bank of Arizona St. Denis J. Villere & Co. R. D. White & Co., Inc. Whitney National Bank of New Orleans Wolfe & Hurst Bond Brokers, Inc. -Muni Division

Worthen Bank & Trust Co., N.A.,

(Little Rock, AR)

Fund Members AIM Distributors, Inc. Alliance Fund Distributors, Inc. American Capital Marketing Inc. American Funds Distributors, Inc. **Amev Distributors** Aquila Distributors, Inc. Calvert Securities Corporation Carnegie Fund Distributors, Inc. Colonial Investment Services, Inc. Delaware Service Company, Inc. **Dreyfus Service Corporation** Eaton Vance Distributors, Inc. Equitec Securities Company EquitiLink U.S.A., Inc. Federated Securities Corp. First Investors Corporation Flag Investors Funds Flagship Funds Inc. Franklin Distributors, Inc. GT Global Financial Services The Gabelli Funds Inc. Home Group Funds **Investment Trust of Boston** Distributors, Inc. Kemper Financial Services, Inc. Keystone Massachusetts Distributors Lord, Abbett & Company MFS Financial Services Company Mackenzie Investment Management Inc. MetLife State Street Investment Services, Inc. Midvale Securities Corp. NASL Financial Services, Inc. NYLIFE Securities Inc. John Nuveen & Co. Inc. Oppenheimer Fund Management, Inc. **Phoenix Equity Planning** Corporation Pilgrim Distributors Corp. The Pioneer Group, Inc. Plymouth Investments Division of **Fidelity Distributors** Corporation **Princor Financial Services** Corporation Putnam Financial Services, Inc. Quest for Value Distributors Review Management Corp. Scudder Fund Distributors, Inc. Seligman Marketing, Inc. Templeton Funds Distributor, Inc. Thornburg Securities Corporation Transamerica Fund Distributors, Inc. Van Eck Securities Corporation

Van Kampen Merritt Inc.

B. C. Ziegler & Company

Zweig Securities Corp.

