

Annual Statement

· OF THE FINANCIAL CONDITION

· OF THE NORTHAMPTON RETIREMENT BOARD

· TO THE PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION

· FOR THE YEAR ENDED 12/31/2019

Annual Statement for the Year Ended December 31, 2019 of the conditions and Affairs of the Northampton Retirement Board.

Organized Under the Laws of the Commonwealth of Massachusetts to the Public Employee Retirement Administration Commission.

Date of Certificate 07/01/1937

Effective Date 07/01/1937

ADMINISTRATION OFFICE

240 Main Street, First Floor
Street & Number

Northampton, MA 01060
City/Town, State and Zip Code

(413) 587-1211
Telephone Number

We, the undersigned, members of the Northampton Retirement Board certify under penalties of perjury, that that we are the official board members of said retirement system, and that on the thirty-first date of December last, all of the herein-described assets were the absolute property of said retirement system, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all of the assets, liabilities, income and disbursements, changes in fund balances, and the conditions and affairs of said retirement system on the said thirty-first date of December last, and for the year ended on that date, according to the best of our information, knowledge, and belief respectively.

Board Of Retirement

Ex-Officio Member

Joyce E. Karpinski

(Name)

(Signature)

Appointed Member

Susan L. Wright

(Name)

(Signature)

Elected Member

Term Expires 06/30/2020

Michael J. Lyons

(Name)

(Signature)

Elected Member

Term Expires 06/30/2022

Melissa Roberts-Cote

(Name)

(Signature)

Member Appointed by Other Members

Term Expires 02/05/2021

Thomas F. Sullivan

(Name)

(Signature)

Investment Managers

The de Burlo Group, Inc.

50 Federal Street, Boston, MA 02110

Investment Consultant

The de Burlo Group, Inc.

50 Federal Street, Boston, MA 02110

Custodian

Peoples' United Bank

240 Cabot Street, Beverly, MA 01915

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

ANNUAL STATEMENT BALANCE TESTS

1. ASSET BALANCE

Assets Previous Year	129,005,993.00
Income Current Year	24,885,357.99
Disbursements Current Year	12,494,752.40
Assets Current Year	141,396,598.59

2. ASSET DIFFERENCE

Assets Current Year	141,396,598.59
Assets Previous Year	129,005,993.00
Difference	12,390,605.59

3. INCOME DIFFERENCE

Income Current Year	24,885,357.99
Disbursements Current Year	12,494,752.40
Difference	12,390,605.59

4. FUND CHANGE DIFFERENCE

Total Fund Change Credits Current Year	30,017,114.58
Total Fund Change Debits Current Year	-17,626,508.99
Difference	12,390,605.59

Note: The difference as a result of tests 2, 3 and 4 should be the same.

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

ASSETS & LIABILITIES

	2019	2018	2017
1. 1040 Cash	2,256,750.19	290,217.19	296,012.33
2. 1100 Short Term Investments	3,392,487.34	0.00	6,494,261.95
3. 1180 Fixed Income Securities	52,100,875.25	70,838,210.55	39,184,441.88
4. 1170 Equities	84,002,929.00	56,420,466.00	79,185,454.00
5. 1101 Pooled Short Term Funds	0.00	0.00	0.00
6. 1172 Pooled Domestic Equity Funds	0.00	0.00	0.00
7. 1173 Pooled International Equity Funds	0.00	0.00	0.00
8. 1174 Pooled Global Equity Funds	0.00	0.00	0.00
9. 1181 Pooled Domestic Fixed Income Funds	0.00	0.00	0.00
10. 1182 Pooled International Fixed Income Funds	0.00	0.00	0.00
11. 1183 Pooled Global Fixed Income Funds	0.00	0.00	0.00
12. 1193 Pooled Alternative Investments	441,972.12	552,600.08	625,599.51
13. 1194 Pooled Real Estate Funds	0.00	0.00	0.00
14. 1195 Pooled Domestic Balanced Funds	0.00	0.00	0.00
15. 1196 Pooled International Balanced Funds	0.00	0.00	0.00
16. 1197 Hedge Funds	0.00	0.00	0.00
17. 1198 PRIT Cash	0.00	0.00	0.00
18. 1199 PRIT Fund	0.00	0.00	0.00
19. 1550 Interest Due and Accrued	311,864.49	389,595.01	301,637.91
20. 1350 Prepaid Expenses	0.00	0.00	0.00
21. 1398 Accounts Receivable (A)	2,570,593.44	3,065,439.41	32,791.04
22. 1910 Land	0.00	0.00	0.00
23. 1920 Buildings	0.00	0.00	0.00
24. 1929 Accumulated Depreciation – Buildings	0.00	0.00	0.00
25. 2020 Accounts Payable (A)	(-3,680,873.24)	(-2,550,535.24)	(-37,855.47)
TOTAL	141,396,598.59	129,005,993.00	126,082,343.15
FUNDS			
1. 3293 Annuity Savings Fund	27,117,829.28	26,163,827.62	24,657,035.04
2. 3294 Annuity Reserve Fund	10,673,001.09	10,284,618.80	11,146,684.18
3. 3295 Military Service Fund	2,436.67	2,434.24	2,563.70
4. 3296 Pension Fund	2,859,532.64	2,082,674.37	1,171,161.37
5. 3298 Expense Fund	0.00	0.00	0.00
6. 3297 Pension Reserve Fund	100,743,798.91	90,472,437.97	89,104,898.86
TOTAL ASSETS AT MARKET VALUE	141,396,598.59	129,005,993.00	126,082,343.15

(A) Specific details for Accounts Receivable and Accounts Payable are to be disclosed on Schedule A

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

	Balance Dec. 31 Prior year	Receipts	Interfund Transfers	Disbursements	Balance Dec.31 Current Year
Annuity Savings Fund	26,163,827.62	3,517,361.71	-2,003,782.05	-559,578.00	27,117,829.28
Annuity Reserve Fund	10,284,618.80	312,349.50	1,967,009.59	-1,890,976.80	10,673,001.09
Pension Fund	2,082,674.37	6,985,545.35	3,164,747.00	-9,373,434.08	2,859,532.64
Military Service Fund	2,434.24	2.43	0.00	0.00	2,436.67
Expense Fund	0.00	670,763.52	0.00	-670,763.52	0.00
Pension Reserve Fund	90,472,437.97	13,399,335.48	-3,127,974.54	0.00	100,743,798.91
Total All Funds	129,005,993.00	24,885,357.99	- 0 -	-12,494,752.40	141,396,598.59

List below all transfers:

Xfer from	Pension Reserve Fund	to	Pension Fund Control	in the amt of	3,164,747.00	on acct of	Meeting estimated costs
	Control Acct		Account				
Xfer from	Annuity Savings Fund	to	Pension Reserve Fund	in the amt of	46,053.05	on acct of	Transferring inactives past 10
	Control Acct		Control Acct				years
Xfer from	Pension Reserve Fund	to	Annuity Savings Fund	in the amt of	9,280.59	on acct of	Restoring 10 year inactives
	Control Acct		Control Acct				
Xfer from	Annuity Savings Fund	to	Annuity Reserve Fund	in the amt of	1,967,040.80	on acct of	Retiring members
	Control Acct						
Xfer from	Annuity Reserve Fund	to	Annuity Savings Fund	in the amt of	31.21	on acct of	Refunding excess contribution
			Control Acct				to retiree
Xfer from		to		in the amt of		on acct of	

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

RECEIPTS

	2019	2018	2017
1. Annuity Savings Fund:			
(a) 4891 Members' Deductions	2,965,238.67	2,745,711.26	2,683,411.68
(b) 4892 Transfers from Other Systems	486,190.38	372,572.49	244,522.61
(c) 4893 Member Make Up Payments and Redeposits	34,141.80	11,644.49	14,321.47
(d) 4900 Member Payments from Rollovers	0.00	0.00	0.00
(e) Investment Income Credited to Members' Accounts	31,790.86	42,372.05	34,689.33
Subtotal	3,517,361.71	3,172,300.29	2,976,945.09
2. Annuity Reserve Fund:			
(a) 4750 Recovery of Annuity from Reinstatement	0.00	0.00	0.00
(b) Investment Income Credited to Annuity Reserve Fund	312,349.50	319,854.58	322,524.78
Subtotal	312,349.50	319,854.58	322,524.78
3. Pension Fund:			
(a) 4898 3(8)(c) Reimbursements from Other Systems	276,150.12	290,894.28	263,642.40
(b) 4899 Received from Commonwealth for COLA & Survivor Bft	52,331.23	56,694.34	60,110.12
(c) 4894 Pension Fund Appropriation	6,657,064.00	6,159,359.00	5,930,334.00
(d) 4840 Workers Compensation Settlement	0.00	0.00	2,400.00
(e) 4751 Recovery of Pension from Reinstatement	0.00	0.00	0.00
(f) 4841 Recovery of 91A Overearnings	0.00	0.00	0.00
Subtotal	6,985,545.35	6,506,947.62	6,256,486.52
4. Military Service Fund:			
(a) 4890 Contributions Received from Municipality	0.00	0.00	0.00
(b) Investment Income Credited	2.43	2.57	2.56
Subtotal	2.43	2.57	2.56
5. Expense Fund:			
(a) 4896 Expense Fund Appropriation	0.00	0.00	0.00
(b) Investment Income Credited to Expense Fund	670,763.52	666,847.18	595,548.17
Subtotal	670,763.52	666,847.18	595,548.17
6. Pension Reserve Fund:			
(a) 4897 Federal Grant Reimbursement	19,622.50	8,850.96	16,086.10
(b) 4895 Pension Reserve Appropriation	0.00	0.00	0.00
(c) 4822 Interest Not Refunded	5,449.21	2,585.46	3,258.30
(d) 4825 Miscellaneous Income	0.00	0.00	0.00
(e) Excess Investment Income	13,374,263.77	4,768,056.73	21,211,900.51
Subtotal	13,399,335.48	4,779,493.15	21,231,244.91
TOTAL RECEIPTS	24,885,357.99	15,445,445.39	31,382,752.03

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

DISBURSEMENTS

	2019	2018	2017
1. Annuity Savings Fund:			
(a) 5757 Refunds to Members	108,750.14	316,845.45	210,794.62
(b) 5756 Transfers to Other Systems	450,827.86	729,939.02	490,789.11
Subtotal	559,578.00	1,046,784.47	701,583.73
2. Annuity Reserve Fund:			
(a) 5750 Annuities Paid	1,886,996.57	1,792,609.24	1,702,929.05
(b) 5759 Option B Refunds	3,980.23	0.00	31,382.90
Subtotal	1,890,976.80	1,792,609.24	1,734,311.95
3. Pension Fund:			
(a) 5751 Pensions Paid	8,987,293.65	8,668,991.25	8,412,793.30
Regular Pension Payments	7,320,444.20	7,034,295.52	6,716,021.91
Survivorship Payments	333,801.55	323,838.50	334,906.68
Ordinary Disability Payments	172,517.88	169,156.44	165,802.02
Accidental Disability Payments	958,081.86	941,873.67	973,723.75
Accidental Death Payments	179,409.72	177,459.72	200,623.02
Section 101 Benefits	23,038.44	22,367.40	21,715.92
(b) 5755 3(8)(c) Reimbursements To Other Systems	386,140.43	346,563.40	353,505.08
(c) 5752 COLAs Paid	0.00	0.00	0.00
(d) 5753 Chapter 389 Beneficiary Increase Paid	0.00	0.00	0.00
Subtotal	9,373,434.08	9,015,554.65	8,766,298.38
4. Military Service Fund:			
(a) 4890 Return to Municipality for Members who Withdrew Funds	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00
5. Expense Fund:			
(a) 5118 Board Member Stipend	18,000.00	18,000.00	18,000.00
(b) 5119 Salaries	141,608.06	134,963.97	122,901.76
(c) 5120 Benefits	25,565.52	25,588.80	0.00
(d) 5304 Management Fees	386,428.05	373,065.12	337,175.53
(e) 5305 Custodial Fees	49,904.44	49,630.97	46,531.19
(f) 5307 Investment Consultant Fees	0.00	0.00	0.00
(g) 5308 Legal Expenses	653.05	9,857.20	969.79
(h) 5309 Medical Expenses	0.00	0.00	0.00
(i) 5310 Fiduciary Insurance	6,926.00	6,620.00	6,477.00
(j) 5311 Service Contracts	26,700.00	25,603.00	24,500.00
(k) 5312 Rent Expense	0.00	0.00	0.00
(l) 5315 Professional Services	0.00	0.00	0.00
(m) 5316 Actuarial Services	4,500.00	15,800.00	6,000.00
(n) 5317 Accounting Services	0.00	0.00	0.00
(o) 5320 Education And Training	1,501.76	1,863.50	2,029.50
(p) 5589 Administrative Expenses	5,615.64	3,553.29	28,161.21
(q) 5599 Furniture and Equipment	2,365.87	1,155.37	1,721.43
(r) 5719 Travel	995.13	1,145.96	1,080.76
(s) 5829 Depreciation Expense: Building	0.00	0.00	0.00
Subtotal	670,763.52	666,847.18	595,548.17
TOTAL DISBURSEMENTS	12,494,752.40	12,521,795.54	11,797,742.23

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

INVESTMENT INCOME

Investment Income received from:	2019	2018	2017
(a) Cash (from Schedule 1)	59,521.14	41,105.91	30,474.42
(b) Short Term Investments (from Schedule 2)	0.00	0.00	3,013.91
(c) Fixed Income Securities (from Schedules 3A and 3C)	1,792,148.96	2,056,549.03	1,474,898.36
(d) Equities (from Schedules 4A and 4C)	874,764.05	360,698.25	688,696.33
(e) Pooled Funds (from Schedule 5)	12,576.20	9,872.41	13,879.61
(f) Commission Recapture and Securities Litigation	0.00	0.00	0.00
4821 TOTAL INVESTMENT INCOME	2,739,010.35	2,468,225.60	2,210,962.63
Plus:			
4884 Realized Gains (Profits)	11,492,767.12	12,233,010.67	12,007,883.45
4886 Unrealized Gains (Increase in Market Value)	7,658,483.16	3,263,714.38	10,844,419.92
1550 Interest Due & Accrued on Fixed Income Securities at End Of Current Year	311,864.49	389,595.01	301,637.91
Less:			
4823 Paid Accrued Interest on Fixed Income Securities	228,786.88	548,093.76	236,949.40
4885 Realized Losses	6,197,233.57	9,283,344.43	2,220,355.11
4887 Unrealized Losses (Decrease in Market Value)	997,339.58	2,424,166.45	445,784.31
1550 Interest Due and Accrued on Fixed Income Securities Prior Year	389,595.01	301,637.91	297,149.74
Additional Adjustments:			
4701 Carried Interest Expense	0.00	0.00	0.00
4702 Equalization Expense	0.00	0.00	0.00
4703 Miscellaneous Investment Expenses	0.00	170.00	0.00
NET INVESTMENT INCOME	14,389,170.08	5,797,133.11	22,164,665.35
Income required:			
Annuity Savings Fund (from Supplementary Schedule)	31,790.86	42,372.05	34,689.33
Annuity Reserve Fund	312,349.50	319,854.58	322,524.78
Expense Fund	670,763.52	666,847.18	595,548.17
Military Service Fund	2.43	2.57	2.56
TOTAL INCOME REQUIRED	1,014,906.31	1,029,076.38	952,764.84
Net Investment Income	14,389,170.08	5,797,133.11	22,164,665.35
Less Income Required	1,014,906.31	1,029,076.38	952,764.84
EXCESS INCOME TO PENSION RESERVE FUND	13,374,263.77	4,768,056.73	21,211,900.51

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

MEMBERSHIP FOR CURRENT YEAR

ACTIVE MEMBERS	Group 1	Group 2 & 4	TOTAL
Active Membership, Dec. 31st, Previous Year	492	132	624
Inactive Membership, Dec. 31st, Previous Year	232	21	253
Enrolled During Current Year	100	14	114
Transfers Between Groups	0	0	0
Reinstatements of Disabled Members	0	0	0
SUBTOTAL	100	14	114
Deduct:			
Death	0	0	0
Withdrawals	53	6	59
Retirements	15	9	24
SUBTOTAL	68	15	83
Active Membership, Dec. 31st, Current Year	519	128	647
Inactive Membership, Dec. 31st, Current Year	237	24	261

RETIRED MEMBERS, BENEFICIARIES & SURVIVORS

Retired, Beneficiary and Survivor Membership, Dec. 31st, Previous Year	316	115	431
Retirements During the Year			
Superannuation	15	7	22
Ordinary Disability	0	0	0
Accidental Disability	0	2	2
Termination Retirement Allowance	0	0	0
Beneficiary of Deceased Retiree	3	0	3
Survivor Benefits from Active Membership	0	0	0
SUBTOTAL	18	9	27
Deduct:			
Deaths of Retired Members	5	0	5
Termination of Survivor Benefits	2	0	2
Reinstatements of Disabled Pensions	0	0	0
SUBTOTAL	7	0	7
Retired Membership, Dec. 31st, Current Year	283	87	370
Superannuation	2	7	9
Ordinary Disability	9	20	29
Termination	1	0	1
Beneficiaries from Accidental Deaths	1	4	5
Beneficiaries from Section 100	0	0	0
Beneficiaries from Section 101	1	1	2
Beneficiaries under Option C	14	4	18
Option (D) Survivor Allowance	15	1	16
Section 12B Survivor Allowance	1	0	1
Total Retired, Beneficiary and Survivor Membership, Dec. 31st, Current Year	327	124	451
TOTAL MEMBERSHIP			
Active, Inactive, Retired, Beneficiary and Survivor, Dec. 31st, Current Year	1,083	276	1,359

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2019.

Schedule A: Detail of Accounts Receivable and Accounts Payable

Accounts Receivable	Amount	Original Date
4751 Recovery of Pension from Reinstatement	0.00	
4840 Workers Compensation Settlements	0.00	
4841 Recovery of 91A Overearnings	0.00	
4891 Members Deductions	799.32	12/31/2019
4892 Transfers From Other Systems	0.00	
4893 Member Make Up Payments and Redeposits	0.00	
4900 Member Payments from Rollovers	0.00	
4898 3(8)(c) Reimbursements from Other Systems	0.00	
4899 Received from Commonwealth for COLA and Survivor Benefits	0.00	
4884 Realized Gain on Sale of Investments	0.00	
4894 Pension Fund Appropriation (Current Fiscal Year)	0.00	
4894 Pension Fund Appropriation (Previous Fiscal Year)	0.00	
4890 Contributions Received from Municipality on Account of Military Service	0.00	
4897 Federal Grant Reimbursement	0.00	
4895 Pension Reserve Appropriation	0.00	
Investments Sold But Funds Not Received (list individually)		
Annuities Paid	84.57	12/31/2019
Pensions Paid	1,206.46	12/31/2019
Pending settlement - 6 equity sales	2,568,503.09	12/31/2019
	0.00	
TOTAL RECEIVABLES	2,570,593.44	
Accounts Payable		
5316 Actuarial Services	0.00	
5317 Accounting Services	0.00	
5320 Education and Training	0.00	
5757 Refunds to Members	0.00	
5756 Transfers to Other Systems	0.00	
5750 Annuities Paid	0.00	
5759 Option B Refund	0.00	
5751 Pensions Paid	0.00	
5755 3(8)(c) Reimbursements to Other Systems	0.00	
5752 COLAs Paid	0.00	
5753 Chapter 389 Beneficiary Increase Paid	0.00	
4885 Realized Loss on Sale of Investments	0.00	
4890 Return to Municipality for Members Who Withdrew Their Funds	0.00	
5118 Board Members' Stipend	0.00	
5119 Salaries	0.00	
5304 Management Fees	-32,172.00	12/31/2019
5305 Custodial Fees	-8,332.85	12/31/2019
5307 Investment Consultant Fees	0.00	
5308 Legal Expenses	0.00	
5309 Medical Expenses	0.00	
5310 Fiduciary Insurance	0.00	
5311 Service Contracts	0.00	
5312 Rent Expense	0.00	
5315 Professional Services Expense	0.00	
5589 Administrative Expenses	0.00	
5599 Furniture and Equipment	0.00	
5719 Travel	0.00	
Investments Purchased But Not Paid For (list individually)		
Pending settlement - 12 equity purchases	-3,640,368.39	12/31/2019
	0.00	
	0.00	
	0.00	
TOTAL PAYABLES	-3,680,873.24	

NORTHAMPTON RETIREMENT BOARD

Annuity Reserve Fund interest calculation
for the year ended December 31, 2019

	Debit Balance		Credit Balance		(Debits)		Balance	x .0025
	5750	5759	3294		Credits			
Dec 31st					0.00		10,284,618.80	25,711.55
Jan 31st	152,642.88		403,670.22		251,027.34		10,535,646.14	26,339.12
Feb 28th	154,261.49		72,400.08		-81,861.41		10,453,784.73	26,134.46
Mar 31st	152,296.04		0.00		-152,296.04		10,301,488.69	25,753.72
Apr 30th	153,808.74		156,987.42		3,178.68		10,304,667.37	25,761.67
May 31st	152,856.78	3,980.23	0.00		-156,837.01		10,147,830.36	25,369.58
Jun 30th	153,511.13		100,515.22		-52,995.91		10,094,834.45	25,237.09
Jul 31st	158,781.96		495,262.21		336,480.25		10,431,314.70	26,078.29
Aug 31st	159,856.40		200,243.44		40,387.04		10,471,701.74	26,179.25
Sep 30th	162,082.63		396,999.61		234,916.98		10,706,618.72	26,766.55
Oct 31st	162,876.25		140,931.39		-21,944.86		10,684,673.86	26,711.68
Nov 30th	162,053.42		0.00		-162,053.42		10,522,620.44	26,306.54
Dec 31st	161,968.85				-161,968.85		10,360,651.59	
	1,886,996.57	3,980.23	1,967,009.59					312,349.50 Total

Interest Posted to Military Service Fund: 2.43

Interest Posted to Members Accounts: 31,790.86

ARF

Starting Balance: 10,284,618.80
Investment Income Credited: 312,349.50
Interfund Transfers: 1,967,009.59
Disbursements: 1,890,976.80
Post-Close Ending Balance: 10,673,001.09

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

Schedule 1: CASH ACCOUNT ACTIVITY DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>BOOK VALUE AT END OF PREVIOUS YEAR</u>	<u>TOTAL DEPOSITS/WITHDRAWALS THIS YEAR</u>	<u>BOOK VALUE AT END OF YEAR</u>	<u>INCOME RECEIVED THIS YEAR</u>	<u>INCOME DUE AND ACCRUED AT YEAR END</u>
FLORENCE BANK - PAYROLL DISBURSEMENT ACCT							
936214	999J00325	COLLECTIVE US GOV'T STIF 15	149,282.00	13,893.83	163,175.83	501.50	0.00
			31,843.30	1,797,440.99	1,829,284.29	54,793.78	2,536.67
936215	999J00325	COLLECTIVE US GOV'T STIF 15	109,157.26	155,132.81	264,290.07	4,225.86	331.88
936214		CASH BALANCE	(65.37)	65.37	0.00	0.00	0.00
SCHEDULE TOTALS			290,217.19	1,966,533.00	2,256,750.19	59,521.14	2,868.55

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

Schedule 2A: SHORT TERM SECURITIES OWNED AT END OF YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>PRICE</u>	<u>MARKET VALUE AT END OF YEAR</u>	<u>CHANGE IN MARKET VALUE INCR/DECR</u>	<u>INTEREST RECEIVED DURING YEAR</u>	<u>INTEREST DUE AND ACCRUED AT YEAR END</u>
936214	912796RY7	U S TREASURY BILL	0.000	01/30/20	3,400,000.000	99.77900	3,392,487.34	0.00	0.00	0.00
							3,392,487.34	0.00	0.00	0.00
							TOTAL INCREASE	0.00		
							TOTAL DECREASE	0.00		

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 2B
SHORT TERM SECURITIES PURCHASED DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>ACCRUED INT PAID</u>	<u>COST INCLUDING COMMISSION BUT EXCLUDING INT</u>
936214	912796RF8	U S TREASURY BILL	0.000	10/10/19	2,200,000.000	09/30/19	J.P. MORGAN SECURITIES INC, NEW	0.00	0.00	2,199,037.50
936214	912796RN1	U S TREASURY BILL	0.000	12/05/19	2,500,000.000	10/28/19	J.P. MORGAN SECURITIES INC, NEW	0.00	0.00	2,495,850.35
936214	912796RY7	U S TREASURY BILL	0.000	01/30/20	3,200,000.000	11/26/19	J.P. MORGAN SECURITIES INC, NEW	0.00	0.00	3,191,210.67
936214	912796RY7	U S TREASURY BILL	0.000	01/30/20	1,200,000.000	12/30/19	J.P. MORGAN SECURITIES INC, NEW	0.00	0.00	1,198,530.00
936214	912796VU0	U S TREASURY BILL	0.000	09/10/19	2,100,000.000	08/29/19	WELLS FARGO SECURITIES, LLC, NE	0.00	0.00	2,098,710.25
936214	912796VZ9	U S TREASURY BILL	0.000	10/15/19	2,200,000.000	09/13/19	WELLS FARGO SECURITIES, LLC, NE	0.00	0.00	2,196,570.75
936214	912796VZ9	U S TREASURY BILL	0.000	10/15/19	2,200,000.000	09/13/19	J.P. MORGAN SECURITIES INC, NEW	0.00	0.00	2,196,606.19
SCHEDULE TOTALS									0.00	15,576,515.71

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 2C
SHORT TERM SECURITIES SOLD DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>MATURITY DATE</u>	<u>RATE</u>	<u>PAR VALUE</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>PROCEEDS FROM SALE</u>	<u>BOOK VALUE</u>	<u>PROFIT/LOSS ON SALE</u>	<u>INTEREST RECEIVED DURING YEAR</u>
936214	912796RF8	U S TREASURY BILL	10/10/19	0.000	2,200,000.000	10/10/19	MATURITY	0.00	2,200,000.00	2,199,037.50	962.50	0.00
936214	912796RN1	U S TREASURY BILL	12/05/19	0.000	2,500,000.000	11/05/19	WELLS FARGO SECURITIES, LLC, NEW YOF	0.00	2,497,059.72	2,495,850.35	1,209.37	0.00
936214	912796RY7	U S TREASURY BILL	01/30/20	0.000	1,000,000.000	12/12/19	J.P MORGAN SECURITIES INC, NEW YORK	0.00	997,986.67	997,253.33	713.34	0.00
936214	912796VU0	U S TREASURY BILL	09/10/19	0.000	2,100,000.000	09/10/19	MATURITY	0.00	2,100,000.00	2,098,710.25	1,289.75	0.00
936214	912796VZ9	U S TREASURY BILL	10/15/19	0.000	2,400,000.000	10/04/19	WELLS FARGO SECURITIES, LLC, NEW YOF	0.00	2,399,077.33	2,396,278.33	2,799.00	0.00
936214	912796VZ9	U S TREASURY BILL	10/15/19	0.000	2,000,000.000	10/15/19	MATURITY	0.00	2,000,000.00	1,996,898.61	3,101.39	0.00
SCHEDULE TOTALS									12,194,103.72	12,184,028.37	10,075.35	0.00
									TOTAL PROFIT		10,075.35	
									TOTAL LOSS		0.00	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3A										
FIXED INCOME SECURITIES OWNED AT END OF YEAR										
FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	PRICE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	INTEREST RECEIVED DURING YEAR	INTEREST DUE AND ACCRUED AT YEAR END
936214	02582JHE3	AMERICAN EXPRESS CREDIT AC 3 A	1.770	11/15/22	924,999.995	99.96300	924,657.75	12,894.50	20,548.03	727.68
936214	02587AAJ3	AMERICAN EXPRESS CREDIT AC 1 A	1.930	09/15/22	425,000.000	99.99500	424,978.75	1,755.12	4,784.78	364.48
936214	037833CR9	APPLE INC	3.200	05/11/27	1,250,000.000	105.52100	1,319,012.50	112,662.50	46,200.00	5,555.50
936214	05522RDA3	BA CREDIT CARD TRUST A3 A3	3.100	12/15/23	300,000.000	101.87800	305,634.00	3,009.00	8,525.00	413.28
936214	06051GHC7	BANK OF AMERICA CORP	3.970	03/05/29	1,000,000.000	108.97700	1,089,770.00	117,730.00	52,850.63	12,792.48
936214	161571FQ2	CHASE ISSUANCE TRUST AT A7	2.160	09/15/24	1,950,000.000	100.68800	1,963,416.00	(7,173.84)	10,530.00	1,872.00
936214	17305EGK5	CITIBANK CREDIT CARD ISS A1 A1	2.490	01/20/23	1,100,000.000	100.68900	1,107,579.00	(842.88)	0.00	12,249.06
936214	254683CG8	DISCOVER CARD EXECUTION A4 A4	3.110	01/16/24	1,000,000.000	101.93800	1,019,380.00	13,360.00	41,639.46	1,382.24
936214	34528QFJ8	FORD CREDIT FLOORPLAN MAS 1 A1	2.070	05/15/22	1,000,000.000	100.01600	1,000,160.00	13,630.00	32,947.50	920.00
936214	34528QFY5	FORD CREDIT FLOORPLAN MAS 1 A1	2.950	05/15/23	1,000,000.000	101.04400	1,010,440.00	13,130.00	29,499.96	1,311.04
936214	38141GWQ3	GOLDMAN SACHS GROUP INC/THE	3.272	09/29/25	750,000.000	103.53000	776,475.00	73,447.50	39,877.50	6,271.64
936214	46623EKG3	JPMORGAN CHASE & CO	2.295	08/15/21	850,000.000	100.24600	852,091.00	11,135.00	9,753.75	7,369.84
936214	57629WB5	MASSMUTUAL GLOBAL FUNDING 144A	2.000	04/15/21	1,300,000.000	100.16000	1,302,080.00	29,549.00	26,000.00	5,488.72
936214	59217GCL1	METROPOLITAN LIFE GLOBAL 144A	2.400	01/08/21	925,000.000	100.49500	929,578.75	18,061.55	42,750.00	10,668.91
936214	61747WAF6	MORGAN STANLEY	5.750	01/25/21	800,000.000	103.85700	830,856.00	(3,264.00)	104,154.86	19,933.68
936214	64952WCJ0	NEW YORK LIFE GLOBAL FUND 144A	1.700	09/14/21	1,000,000.000	99.90400	999,040.00	35,290.22	33,437.58	5,052.54
936214	68389XBN4	ORACLE CORP	3.250	11/15/27	1,250,000.000	105.98700	1,324,837.50	119,237.50	46,177.08	5,191.10
936214	69353REQ7	PNC BANK NA	3.250	06/01/25	1,800,000.000	104.95500	1,889,190.00	142,380.00	58,500.00	4,875.00
936214	91159HHM5	US BANCORP	3.100	04/27/26	1,000,000.000	104.11500	1,041,150.00	94,260.00	31,000.00	5,511.04
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	11,400,000.000	97.28100	11,090,034.00	(608,754.78)	48,258.84	96,884.62
936214	912810SK5	U S TREASURY BOND	2.375	11/15/49	1,200,000.000	99.94900	1,199,388.00	(8,112.00)	0.00	3,679.99
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	2,100,000.000	110.02700	2,310,567.00	134,890.58	151,161.77	8,473.63
936214	9128286B1	U S TREASURY NOTE	2.625	02/15/29	2,500,000.000	106.05500	2,651,375.00	125,593.75	56,180.71	24,788.06
936214	9128286T2	U S TREASURY NOTE	2.375	05/15/29	2,300,000.000	104.01200	2,392,276.00	20,520.79	62,572.12	7,053.26
936214	9128287B0	U S TREASURY NOTE	1.875	06/30/26	2,600,000.000	100.49600	2,612,896.00	5,177.25	24,843.75	133.93
936214	912828Y95	U S TREASURY NOTE	1.875	07/31/26	2,100,000.000	100.44100	2,109,261.00	(44,955.34)	10,536.68	16,477.89
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	6,600,000.000	97.49600	6,434,736.00	(189,735.46)	23,805.36	40,488.43
936214	912828YM6	U S TREASURY NOTE	1.500	10/31/24	1,200,000.000	99.16800	1,190,016.00	(421.50)	0.00	3,065.90
SCHEDULE TOTALS							52,100,875.25	234,454.46	1,016,535.36	308,995.94
TOTAL INCREASE							1,097,714.26			
TOTAL DECREASE							863,259.80			

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3B
FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING	
										COMMISSION BUT EXCLUDING INT	EXCLUDING INT
936214	02587AAJ3	AMERICAN EXPRESS CREDIT AC 1 A	1.930	09/15/22	425,000.000	05/13/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	0.00		423,223.63
936214	05522RDA3	BA CREDIT CARD TRUST A3 A3	3.100	12/15/23	300,000.000	02/07/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	671.67		302,625.00
936214	161571FQ2	CHASE ISSUANCE TRUST A7 A7	2.160	09/15/24	1,250,000.000	09/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	900.00		1,260,937.50
936214	161571FQ2	CHASE ISSUANCE TRUST A7 A7	2.160	09/15/24	700,000.000	10/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,092.00		709,652.34
936214	17305EGK5	CITIBANK CREDIT CARD ISS A1 A1	2.490	01/20/23	1,100,000.000	09/11/19	BARCLAYS CAP/FIXED INCOME, NEW YORK	0.00	4,032.42		1,108,421.88
936214	46623EKG3	JPMORGAN CHASE & CO	2.295	08/15/21	850,000.000	05/09/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	4,768.50		840,956.00
936214	57629WBY5	MASSMUTUAL GLOBAL FUNDING 144A	2.000	04/15/21	1,300,000.000	02/05/19	RAYMOND JAMES/FI, SAINT PETERSBURG	0.00	8,088.89		1,272,531.00
936214	59217GCL1	METROPOLITAN LIFE GLOBAL 144A	2.400	01/08/21	200,000.000	01/03/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,386.67		197,344.00
936214	59217GCL1	METROPOLITAN LIFE GLOBAL 144A	2.400	01/08/21	300,000.000	01/30/19	RAYMOND JAMES/FI, SAINT PETERSBURG	0.00	460.00		296,676.00
936214	64952WCJ0	NEW YORK LIFE GLOBAL FUND 144A	1.700	09/14/21	150,000.000	01/03/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	800.42		144,666.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	700,000.000	02/12/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	0.00		696,500.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	1,150,000.000	02/20/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	571.82		1,149,281.25
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	02/21/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	536.60		920,375.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	02/27/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	996.55		915,750.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	02/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,073.20		911,125.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	02/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,073.20		907,656.25
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	03/01/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,303.18		902,164.06
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	1,600,000.000	06/21/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	5,000.00		1,695,750.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	2,500,000.000	06/26/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	8,398.44		2,660,156.25
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	5,000,000.000	07/05/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	21,484.38		5,337,500.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	2,300,000.000	07/09/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	10,242.19		2,451,656.25
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	1,500,000.000	07/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	6,679.69		1,593,750.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	1,400,000.000	07/11/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	6,343.75		1,463,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	4,500,000.000	08/09/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	0.00		4,528,125.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,500,000.000	08/21/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,069.97		2,612,500.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,500,000.000	08/22/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	1,222.83		2,580,468.75
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,100,000.000	08/22/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,412.36		2,152,500.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,200,000.000	08/29/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,017.66		2,340,593.75
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,200,000.000	08/29/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,017.66		2,329,250.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,100,000.000	08/30/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,277.85		1,163,250.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,100,000.000	09/05/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,479.62		1,144,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,100,000.000	09/09/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,748.64		1,133,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,000,000.000	09/10/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,650.82		1,015,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	700,000.000	09/11/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	1,198.37		704,046.88
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	500,000.000	09/12/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	886.55		497,109.38
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	700,000.000	09/12/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,241.17		700,437.50
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	500,000.000	09/13/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	978.26		495,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,000,000.000	09/13/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,956.52		980,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,400,000.000	10/08/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	4,707.88		1,456,000.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	700,000.000	10/09/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,396.74		725,812.50

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3B
FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT	
			RATE	DATE					PAR VALUE	EXCLUDING INT
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	10/10/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,439.54	717,500.00	
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	10/11/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,864.81	507,500.00	
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	10/11/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,864.81	503,125.00	
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	10/21/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,078.80	495,000.00	
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	10/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,292.80	490,000.00	
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	11/05/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	5,074.73	980,000.00	
936214	912810SK5	U S TREASURY BOND	2.375	11/15/49	12/18/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,662.09	1,207,500.00	
936214	912828T4	U S TREASURY NOTE	2.625	06/15/21	04/30/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	20,747.60	2,116,406.25	
936214	912828M8	U S TREASURY NOTE	3.125	11/15/28	01/23/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	9,193.71	1,547,578.12	
936214	912828T3	U S TREASURY NOTE	2.625	12/31/25	01/04/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	609.12	1,206,000.00	
936214	912828T3	U S TREASURY NOTE	2.625	12/31/25	01/04/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	634.50	1,255,859.37	
936214	912828B1	U S TREASURY NOTE	2.625	02/15/29	04/30/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	20,122.58	3,738,156.25	
936214	912828F2	U S TREASURY NOTE	2.500	02/28/26	03/27/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	4,945.65	2,642,250.00	
936214	912828F2	U S TREASURY NOTE	2.500	02/28/26	03/29/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	4,130.43	1,921,375.00	
936214	912828T2	U S TREASURY NOTE	2.375	05/15/29	05/15/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	148.44	2,300,359.38	
936214	912828T2	U S TREASURY NOTE	2.375	05/15/29	06/27/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,419.84	515,000.00	
936214	912828T2	U S TREASURY NOTE	2.375	05/15/29	08/07/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	12,617.19	2,443,750.00	
936214	912828B0	U S TREASURY NOTE	1.875	06/30/26	07/03/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,222.83	3,008,906.25	
936214	912828Y95	U S TREASURY NOTE	1.875	07/31/26	08/07/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	937.50	2,346,718.75	
936214	912828Y95	U S TREASURY NOTE	1.875	07/31/26	08/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	3,138.59	2,263,593.75	
936214	912828YA2	U S TREASURY NOTE	1.875	07/31/26	08/27/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,853.26	2,057,500.00	
936214	912828YB0	U S TREASURY NOTE	1.500	08/15/22	08/07/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	0.00	4,503,194.06	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/13/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	0.00	4,488,046.88	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/14/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	0.00	901,125.00	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/27/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	1,262.91	2,224,750.00	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,483.70	2,438,250.00	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	09/18/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,854.62	1,183,687.50	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	10/04/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	5,616.85	2,420,625.00	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	10/09/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,720.11	1,104,812.50	
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	09/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	0.00	2,300,718.75	
936214	912828YB0	U S TREASURY NOTE	1.625	09/30/26	10/02/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	306.35	2,315,093.75	
936214	912828YH7	U S TREASURY NOTE	1.500	09/30/24	10/03/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	377.05	2,318,148.44	
936214	912828YM6	U S TREASURY NOTE	1.500	10/31/24	10/28/19	J.P. MORGAN SECURITIES LLC, NEW YORK	0.00	0.00	1,190,437.50	
SCHEDULE TOTALS							0.00	228,786.88	116,371,728.67	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3C FIXED INCOME SECURITIES SOLD DURING YEAR												
FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS	BOOK VALUE	PROFIT/LOSS	INTEREST RECEIVED DURING YEAR
									FROM SALE		ON SALE	
936214	00206RCT7	AT&T INC	4.125	02/17/26	1,500,000.000	01/23/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	1,500,150.00	1,465,800.00	34,350.00	27,156.25
936214	02582JHE3	AMERICAN EXPRESS CREDIT AC 3 A	1.770	11/15/22	1,075,000.025	03/01/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	1,063,326.17	1,059,616.77	3,709.40	0.00
936214	03062AAF3	AMERICREDIT AUTOMOBILE REC 3 C	2.580	09/08/20	20,014.430	01/08/19	PRINCIPAL PAYMENT	0.00	20,014.43	20,009.03	5.40	81.11
936214	03062AAF3	AMERICREDIT AUTOMOBILE REC 3 C	2.580	09/08/20	8,854.140	02/08/19	CALLED BOND	0.00	8,854.15	8,851.75	2.40	0.00
936214	037933CR9	APPLE INC	3.200	05/11/27	750,000.000	02/12/19	MORGAN STANLEY & CO INC, NY	0.00	741,877.50	723,810.00	18,067.50	0.00
936214	06051GHG7	BANK OF AMERICA CORP	VAR RT	03/05/29	750,000.000	02/12/19	BARCLAYS CAP/FIXED INCOME, NEW YOI	0.00	750,892.50	729,030.00	21,862.50	0.00
936214	120568AZ3	BUNGE LTD FINANCE CORP	3.750	09/25/27	500,000.000	06/20/19	MORGAN STANLEY & CO INC, NY	0.00	492,160.00	444,650.00	47,510.00	65,182.30
936214	120568AZ3	BUNGE LTD FINANCE CORP	3.750	09/25/27	1,250,000.000	10/24/19	RAYMOND JAMES/FI, SAINT PETERSBUR	0.00	1,286,525.00	1,111,625.00	174,900.00	0.00
936214	161571FK5	CHASE ISSUANCE TRUST A4 A4	1.580	08/15/21	1,250,000.035	02/13/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	1,243,066.41	1,239,825.03	3,241.38	10,302.91
936214	161571FK5	CHASE ISSUANCE TRUST A4 A4	1.580	08/15/21	749,999.970	07/16/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	749,501.95	743,894.97	5,606.98	0.00
936214	172967LD1	CITIGROUP INC	VAR RT	01/10/28	2,000,000.000	01/25/19	BARCLAYS CAP/FIXED INCOME, NEW YOI	0.00	1,965,720.00	1,929,820.00	35,900.00	42,972.94
936214	17305EGB5	CITIBANK CREDIT CARD ISS A3 A3	1.920	04/07/22	1,000,000.020	03/05/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	990,703.12	987,250.02	3,453.10	22,965.34
936214	17305EGB5	CITIBANK CREDIT CARD ISS A3 A3	1.920	04/07/22	600,000.000	07/01/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	598,171.88	592,350.00	5,821.88	0.00
936214	17305EGB5	CITIBANK CREDIT CARD ISS A3 A3	1.920	04/07/22	399,999.870	08/08/19	BARCLAYS CAP/FIXED INCOME, NEW YOI	0.00	399,656.25	394,899.87	4,756.38	0.00
936214	254683BV6	DISCOVER CARD EXECUTION A4 A4	1.390	03/15/22	1,249,999.934	02/13/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	1,240,039.06	1,236,212.43	3,826.63	12,799.60
936214	254683BV6	DISCOVER CARD EXECUTION A4 A4	1.390	03/15/22	950,000.015	09/16/19	CALLED BOND	0.00	950,000.00	939,521.52	10,478.48	0.00
936214	254683CG8	DISCOVER CARD EXECUTION A4 A4	3.110	01/16/24	1,000,000.000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	1,009,257.81	1,006,020.00	3,237.81	0.00
936214	34528QFJ8	FORD CREDIT FLOORPLAN MAS 1 A1	2.070	05/15/22	1,000,000.000	07/16/19	BARCLAYS CAP/FIXED INCOME, NEW YOI	0.00	998,085.94	986,530.00	11,555.94	0.00
936214	38141GWQ3	GOLDMAN SACHS GROUP INC/THE	VAR RT	09/29/25	1,250,000.000	02/12/19	RAYMOND JAMES/FI, SAINT PETERSBUR	0.00	1,210,837.50	1,171,712.50	39,125.00	0.00
936214	59217GCL1	METROPOLITAN LIFE GLOBAL 144A	2.400	01/08/21	1,575,000.000	02/27/19	RAYMOND JAMES/FI, SAINT PETERSBUR	0.00	1,559,108.25	1,552,042.80	7,065.45	0.00
936214	61747WAF6	MORGAN STANLEY	5.750	01/25/21	1,100,000.000	06/24/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	1,156,078.00	1,146,915.00	9,163.00	0.00
936214	64952WCJ0	NEW YORK LIFE GLOBAL FUND 144A	1.700	09/14/21	1,230,000.000	06/25/19	RAYMOND JAMES/FI, SAINT PETERSBUR	0.00	1,218,007.50	1,185,412.22	32,595.28	0.00
936214	68389XB4	ORACLE CORP	3.250	11/15/27	750,000.000	02/05/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	739,260.00	723,360.00	15,900.00	0.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	700,000.000	02/19/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	703,718.75	696,500.00	7,218.75	13,187.16
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	1,850,000.000	03/06/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,829,765.63	1,828,008.72	1,756.91	0.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	03/07/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	920,375.00	914,004.36	6,370.64	0.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	03/12/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	926,734.38	914,004.36	12,730.02	0.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	925,000.000	03/20/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	929,625.00	914,004.37	15,620.63	0.00
936214	912810SF6	U S TREASURY BOND	3.000	02/15/49	1,150,000.000	03/22/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,170,125.00	1,136,329.75	33,795.25	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	1,600,000.000	06/25/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,717,500.00	1,695,750.00	21,750.00	76,941.41
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	2,500,000.000	06/25/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	2,692,187.50	2,660,156.25	32,031.25	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	500,000.000	07/19/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	531,093.75	531,662.07	(568.32)	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	350,000.000	07/26/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	370,562.50	372,163.45	(1,600.95)	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	600,000.000	07/30/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	636,750.00	637,994.49	(1,244.49)	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	3,600,000.000	08/01/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	3,906,000.00	3,827,966.91	78,033.09	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	2,650,000.000	08/01/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	2,901,750.00	2,817,808.98	83,941.02	0.00
936214	912810SH2	U S TREASURY BOND	2.875	05/15/49	4,500,000.000	08/01/19	J.P. MORGAN SECURITIES INC, NEW YOI	0.00	2,707,421.87	2,658,310.35	49,111.52	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	2,500,000.000	08/14/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	4,701,796.88	4,528,125.00	173,671.88	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	4,500,000.000	08/27/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	2,343,000.00	2,276,060.74	66,939.26	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,300,000.000	08/27/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,387,750.00	1,344,944.98	42,805.02	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,100,000.000	08/28/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,195,250.00	1,138,030.37	47,219.63	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,100,000.000	09/20/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,113,062.50	1,136,776.18	(23,713.68)	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	500,000.000	09/20/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	509,375.00	516,716.44	(7,341.44)	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	500,000.000	09/20/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	515,000.00	516,716.44	(1,716.44)	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	1,400,000.000	10/03/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	1,470,000.00	1,446,806.04	23,193.96	0.00
936214	912810SJ8	U S TREASURY BOND	2.250	08/15/49	500,000.000	10/30/19	RBC CAPITAL MARKETS LLC, NEW YOI	0.00	496,250.00	514,655.43	(18,405.43)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3C
FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
			RATE	DATE							
936214	912810S18	U S TREASURY BOND	2.250	08/15/49	10/31/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	506,250.00	514,655.43	(8,405.43)	0.00
936214	912810S18	U S TREASURY BOND	2.250	08/15/49	11/06/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	988,906.25	1,026,209.54	(37,303.29)	0.00
936214	912810S18	U S TREASURY BOND	2.250	08/15/49	11/26/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	505,000.00	513,104.77	(8,104.77)	0.00
936214	912810S18	U S TREASURY BOND	2.250	08/15/49	11/26/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,522,500.00	1,539,314.31	(16,814.31)	0.00
936214	912810S18	U S TREASURY BOND	2.250	08/15/49	12/30/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,470,000.00	1,539,314.31	(69,314.31)	0.00
936214	9128283P3	U S TREASURY NOTE	2.250	12/31/24	02/01/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	884,742.19	884,250.00	492.19	48,170.87
936214	9128283P3	U S TREASURY NOTE	2.250	12/31/24	02/20/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	1,330,699.22	1,326,375.00	4,324.22	0.00
936214	9128283P3	U S TREASURY NOTE	2.250	12/31/24	02/25/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	2,214,140.63	2,210,625.00	3,515.63	0.00
936214	9128283P3	U S TREASURY NOTE	2.250	12/31/24	06/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	715,968.75	687,750.00	28,218.75	0.00
936214	9128283P3	U S TREASURY NOTE	2.250	12/31/24	07/08/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,244,000.00	2,161,500.00	82,500.00	0.00
936214	9128283W8	U S TREASURY NOTE	2.750	02/15/28	02/04/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,006,562.50	2,010,320.00	(3,757.50)	66,150.11
936214	9128283W8	U S TREASURY NOTE	2.750	02/15/28	04/02/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,177,312.50	1,155,934.00	21,378.50	0.00
936214	9128283W8	U S TREASURY NOTE	2.750	02/15/28	06/12/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	422,000.00	402,064.00	19,936.00	0.00
936214	9128283W8	U S TREASURY NOTE	2.750	02/15/28	07/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	477,281.25	452,322.00	24,959.25	0.00
936214	9128284N7	U S TREASURY NOTE	2.875	05/15/28	08/12/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,649,062.50	1,523,025.00	126,037.50	32,109.38
936214	9128284T4	U S TREASURY NOTE	2.625	06/15/21	06/19/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	608,625.00	604,687.50	3,937.50	29,088.64
936214	9128284T4	U S TREASURY NOTE	2.625	06/15/21	06/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,219,781.25	1,209,375.00	10,406.25	0.00
936214	9128284T4	U S TREASURY NOTE	2.625	06/15/21	07/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	304,218.75	302,343.75	1,875.00	0.00
936214	9128284V9	U S TREASURY NOTE	2.875	08/15/28	11/07/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	324,703.13	304,641.00	20,062.13	68,843.75
936214	9128284V9	U S TREASURY NOTE	2.875	08/15/28	11/20/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,749,000.00	1,624,752.00	124,248.00	0.00
936214	9128285K2	U S TREASURY NOTE	2.875	10/31/23	01/03/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	3,580,937.50	3,558,240.00	22,697.50	18,068.02
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	01/02/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,607,812.50	2,593,175.00	14,637.50	0.00
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	02/05/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	1,657,000.00	1,657,658.22	(658.22)	0.00
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	02/07/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	363,781.25	362,612.74	1,168.51	0.00
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	02/08/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	468,843.75	466,216.37	2,627.38	0.00
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	09/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	2,553,750.00	2,331,081.87	222,668.13	0.00
936214	9128285M8	U S TREASURY NOTE	3.125	11/15/28	09/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	412,406.25	407,172.00	5,234.25	100,694.88
936214	9128285N6	U S TREASURY NOTE	2.875	11/30/25	04/10/19	J.P. MORGAN CLEARING CORP, NEW YORK	0.00	4,834,390.62	4,784,271.00	50,119.62	0.00
936214	9128285N6	U S TREASURY NOTE	2.875	11/30/25	04/29/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,432,250.00	2,341,239.00	91,011.00	0.00
936214	9128285N6	U S TREASURY NOTE	2.875	11/30/25	07/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,043,593.75	1,004,840.56	38,753.19	33,935.97
936214	9128285T3	U S TREASURY NOTE	2.625	12/31/25	07/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,512,871.09	1,457,018.81	55,852.28	0.00
936214	9128285T3	U S TREASURY NOTE	2.625	12/31/25	07/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,269,750.00	1,212,375.00	57,375.00	0.00
936214	9128286B1	U S TREASURY NOTE	2.625	02/15/29	11/12/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,006,562.50	1,014,138.89	(7,576.39)	33,763.58
936214	9128286F2	U S TREASURY NOTE	2.500	02/28/26	05/01/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	1,032,500.00	1,014,138.89	18,361.11	0.00
936214	9128286F2	U S TREASURY NOTE	2.500	02/28/26	06/06/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,581,054.69	2,535,347.22	45,707.47	0.00
936214	9128286T2	U S TREASURY NOTE	2.375	05/15/29	07/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	2,949,187.50	2,887,354.17	61,833.33	0.00
936214	9128287B0	U S TREASURY NOTE	1.875	06/30/26	11/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	399,062.50	401,187.50	(2,125.00)	0.00
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	07/22/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	1,059,062.50	979,060.00	80,002.50	18,135.19
936214	912828Y95	U S TREASURY NOTE	1.875	07/31/26	08/19/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	2,212,031.25	2,256,798.08	(44,766.83)	0.00
936214	912828YA2	U S TREASURY NOTE	1.500	08/15/22	09/13/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,208,250.00	2,256,798.08	(48,548.08)	0.00
936214	912828YA2	U S TREASURY NOTE	1.500	08/15/22	08/26/19	J.P. MORGAN SECURITIES INC, NEW YORK	0.00	2,503,906.25	2,501,757.81	2,148.44	2,282.61
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/27/19	WELLS FARGO SECURITIES, LLC, NEW YORK	0.00	2,003,828.12	2,001,406.25	2,421.87	0.00
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	08/28/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	4,558,359.38	4,523,477.35	34,882.03	0.00
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	12/23/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	3,015,718.75	3,111,494.17	(95,775.42)	0.00
936214	912828YB0	U S TREASURY NOTE	1.625	08/15/29	12/31/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	486,953.13	501,853.90	(14,900.77)	0.00
936214	912828YB9	U S TREASURY NOTE	1.625	09/30/26	12/19/19	RBC CAPITAL MARKETS LLC, NEW YORK	0.00	4,533,875.00	4,615,812.50	(81,937.50)	16,338.80

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 3C												
FIXED INCOME SECURITIES SOLD DURING YEAR												
<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>PROCEEDS FROM SALE</u>	<u>BOOK VALUE</u>	<u>PROFIT/LOSS ON SALE</u>	<u>INTEREST RECEIVED DURING YEAR</u>
936214	912828YH7	U S TREASURY NOTE	1.500	09/30/24	2,300,000.000	12/16/19	WELLS FARGO SECURITIES, LLC, NEW	0.00	2,277,718.75	2,318,148.44	(40,429.69)	7,258.20
936214	981464EY2	WORLD FINANCIAL NETWORK CR B A	2.550	06/17/24	1,000,000.000	07/11/19	J.P MORGAN SECURITIES INC, NEW YOI	0.00	1,002,031.25	991,150.00	10,881.25	29,204.58
936214	981464EY2	WORLD FINANCIAL NETWORK CR B A	2.550	06/17/24	849,999.908	08/09/19	BARCLAYS CAP/FIXED INCOME, NEW YC	0.00	853,054.69	842,477.41	10,577.28	0.00
SCHEDULE TOTALS								0.00	137,297,684.07	135,343,518.43	1,954,165.64	775,613.60
										TOTAL PROFIT	2,489,173.90	
										TOTAL LOSS	535,008.26	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 4A

EQUITIES OWNED AT END OF YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	PRICE PER SHARE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	DIVIDENDS RECEIVED DURING YEAR
936214	00724F101	ADOBE INC	11,500,000	329.81000	3,792,815.00	122,435.75	0.00
936214	02079K305	ALPHABET INC-CL A	2,800,000	1339.39000	3,750,292.00	1,923.95	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	8,500,000	122.85000	1,044,225.00	(30,274.92)	9,000.00
936214	03852U106	ARAMARK	29,300,000	43.40000	1,271,620.00	(16,564.62)	5,335.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	13,800,000	170.50000	2,352,900.00	142,765.57	33,575.00
936214	12626K203	CRH PLC	50,000,000	40.33000	2,016,500.00	72,946.41	0.00
936214	15135B101	CENTENE CORP	37,500,000	62.87000	2,357,625.00	64,704.96	0.00
936214	20030N101	COMCAST CORP	30,000,000	44.97000	1,349,100.00	(3,052.80)	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	14,500,000	233.29000	3,382,705.00	485,143.41	0.00
936214	29414B104	EPAM SYSTEMS INC	10,000,000	212.16000	2,121,600.00	109,193.38	0.00
936214	337738108	FISERV INC	20,000,000	115.63000	2,312,600.00	7,797.95	0.00
936214	485170302	KANSAS CITY SOUTHERN	16,500,000	153.16000	2,527,140.00	32,549.10	0.00
936214	550021109	LULULEMON ATHLETICA INC	12,000,000	231.67000	2,780,040.00	148,183.16	0.00
936214	55024U109	LUMENTUM HOLDINGS INC	25,000,000	79.30000	1,982,500.00	107,461.15	0.00
936214	573284106	MARTIN MARIETTA MATERIALS INC	5,000,000	279.64000	1,398,200.00	45,672.45	825.00
936214	57636Q104	MASTERCARD INC	12,200,000	298.59000	3,642,798.00	1,079,827.41	18,216.00
936214	58933Y105	MERCK & CO INC	29,000,000	90.95000	2,637,550.00	106,690.21	28,325.00
936214	594918104	MICROSOFT CORP	26,500,000	157.70000	4,179,050.00	838,721.92	37,407.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	4,000,000	107.49000	429,960.00	144,320.00	0.00
936214	65339F101	NEXTERA ENERGY INC	15,200,000	242.16000	3,680,832.00	194,284.65	14,625.00
936214	693475105	PNC FINANCIAL SERVICES GROUP I	20,500,000	159.63000	3,272,415.00	146,767.40	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	13,500,000	124.90000	1,686,150.00	286,832.26	70,475.74
936214	78462F103	SPDR S&P 500 ETF TRUST	17,500,000	321.86000	5,632,550.00	209,527.08	0.00
936214	79466L302	SALESFORCE.COM INC	6,000,000	162.64000	975,840.00	1,990.70	0.00
936214	854502101	STANLEY BLACK & DECKER INC	16,500,000	165.74000	2,734,710.00	190,401.51	10,350.00
936214	861012102	STMICROELECTRONICS NV	115,000,000	26.91000	3,094,650.00	357,868.30	5,355.00
936214	871829107	SYSCO CORP	20,000,000	85.54000	1,710,800.00	105,998.15	2,340.00
936214	92532F100	VERTEX PHARMACEUTICALS INC	16,600,000	218.95000	3,634,570.00	170,795.89	0.00
936214	92826C839	VISA INC	19,000,000	187.90000	3,570,100.00	832,320.68	21,075.00
936214	G3198U102	ESSENT GROUP LTD	50,800,000	51.99000	2,641,092.00	165,498.01	10,965.00
936214	G3922B107	GENPACT LTD	42,000,000	42.17000	1,771,140.00	128,247.00	3,570.00
936214	G5494J103	LINDE PLC	9,500,000	212.90000	2,022,550.00	79,259.91	7,000.00
936214	G5960L103	MEDTRONIC PLC	19,800,000	113.45000	2,246,310.00	137,192.67	15,660.00
SCHEDULE TOTALS					84,002,929.00	6,467,428.65	294,098.74
TOTAL INCREASE						6,517,320.99	
TOTAL DECREASE						49,892.34	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	00724F101	ADOBE INC	500.000	01/11/19	INSTINET CLEARING SER INC, NEW YORK	20.00	118,607.05
936214	00724F101	ADOBE INC	500.000	01/15/19	INSTINET CLEARING SER INC, NEW YORK	20.00	121,382.50
936214	00724F101	ADOBE INC	500.000	01/18/19	INSTINET CLEARING SER INC, NEW YORK	20.00	123,345.05
936214	00724F101	ADOBE INC	1,000.000	01/24/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	245,159.00
936214	00724F101	ADOBE INC	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	123,646.99
936214	00724F101	ADOBE INC	1,500.000	02/07/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	378,342.15
936214	00724F101	ADOBE INC	1,000.000	02/11/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	258,809.00
936214	00724F101	ADOBE INC	1,000.000	02/14/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	259,662.20
936214	00724F101	ADOBE INC	1,500.000	05/01/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	431,371.50
936214	00724F101	ADOBE INC	1,500.000	06/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	453,118.95
936214	00724F101	ADOBE INC	2,000.000	06/27/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	585,868.20
936214	00724F101	ADOBE INC	1,000.000	07/01/19	MORGAN STANLEY & CO INC, NY	60.00	299,566.90
936214	00724F101	ADOBE INC	600.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	6.00	180,664.44
936214	00724F101	ADOBE INC	1,500.000	07/11/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	461,021.10
936214	00724F101	ADOBE INC	2,000.000	11/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	616,046.20
936214	00724F101	ADOBE INC	500.000	11/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	153,372.85
936214	00724F101	ADOBE INC	500.000	12/03/19	MORGAN STANLEY & CO INC, NY	5.00	151,210.00
936214	00724F101	ADOBE INC	1,500.000	12/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	463,879.95
936214	00724F101	ADOBE INC	1,500.000	12/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	486,330.00
936214	00724F101	ADOBE INC	2,000.000	12/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	651,557.20
936214	00724F101	ADOBE INC	1,000.000	12/19/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	327,425.40
936214	00724F101	ADOBE INC	1,500.000	12/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	491,030.55
936214	00724F101	ADOBE INC	1,000.000	12/23/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	329,527.10
936214	00724F101	ADOBE INC	4,000.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	198,588.40
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	2,000.000	02/20/19	INSTINET CLEARING SER INC, NEW YORK	80.00	99,330.00
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	1,000.000	02/21/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	49,813.90
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	2,500.000	02/25/19	J.P MORGAN SECURITIES INC, NEW YORK	125.00	126,915.25
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	1,000.000	02/26/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	52,191.40
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	2,000.000	02/27/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	100,853.60
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	500.000	11/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	652,807.50
936214	02079K305	ALPHABET INC-CL A	50.000	11/26/19	J.P MORGAN SECURITIES INC, NEW YORK	2.50	65,577.50
936214	02079K305	ALPHABET INC-CL A	80.000	12/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	0.80	103,374.21
936214	02079K305	ALPHABET INC-CL A	320.000	12/04/19	MORGAN STANLEY & CO INC, NY	19.20	421,641.82
936214	02079K305	ALPHABET INC-CL A	250.000	12/09/19	MORGAN STANLEY & CO INC, NY	15.00	337,292.60
936214	02079K305	ALPHABET INC-CL A	300.000	12/11/19	J.P MORGAN SECURITIES INC, NEW YORK	15.00	403,151.91
936214	02079K305	ALPHABET INC-CL A	300.000	12/16/19	INSTINET CLEARING SER INC, NEW YORK	12.00	407,609.82
936214	02079K305	ALPHABET INC-CL A	700.000	12/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	7.00	950,979.96
936214	02079K305	ALPHABET INC-CL A	300.000	12/23/19	MORGAN STANLEY & CO INC, NY	18.00	405,932.73

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	023135106	AMAZON.COM INC	100.000	01/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	1.00	162,703.92
936214	023135106	AMAZON.COM INC	200.000	01/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	330,645.00
936214	023135106	AMAZON.COM INC	100.000	01/14/19	INSTINET CLEARING SER INC, NEW YORK	4.00	161,644.50
936214	023135106	AMAZON.COM INC	100.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	1.00	166,519.64
936214	023135106	AMAZON.COM INC	100.000	01/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	1.00	170,804.80
936214	023135106	AMAZON.COM INC	100.000	01/24/19	MORGAN STANLEY & CO INC, NY	6.00	164,997.13
936214	023135106	AMAZON.COM INC	100.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	4.00	171,835.99
936214	023135106	AMAZON.COM INC	100.000	03/12/19	MORGAN STANLEY & CO INC, NY	6.00	168,008.32
936214	023135106	AMAZON.COM INC	100.000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	5.00	185,981.55
936214	023135106	AMAZON.COM INC	100.000	04/17/19	INSTINET CLEARING SER INC, NEW YORK	4.00	186,813.50
936214	023135106	AMAZON.COM INC	200.000	04/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	383,069.64
936214	023135106	AMAZON.COM INC	100.000	04/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	5.00	190,574.90
936214	023135106	AMAZON.COM INC	200.000	05/07/19	INSTINET CLEARING SER INC, NEW YORK	8.00	386,124.18
936214	023135106	AMAZON.COM INC	100.000	07/01/19	MORGAN STANLEY & CO INC, NY	6.00	192,234.50
936214	023135106	AMAZON.COM INC	100.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	1.00	194,594.27
936214	023135106	AMAZON.COM INC	200.000	07/16/19	MORGAN STANLEY & CO INC, NY	12.00	404,138.62
936214	023436108	AMEDISYS INC	600.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	24.00	78,777.90
936214	023436108	AMEDISYS INC	1,000.000	02/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	138,489.80
936214	03027X100	AMERICAN TOWER CORP	4,000.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	650,827.60
936214	03027X100	AMERICAN TOWER CORP	1,000.000	01/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	165,649.10
936214	03027X100	AMERICAN TOWER CORP	500.000	01/30/19	INSTINET CLEARING SER INC, NEW YORK	20.00	85,331.95
936214	03027X100	AMERICAN TOWER CORP	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	86,404.49
936214	03027X100	AMERICAN TOWER CORP	1,000.000	03/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	179,187.80
936214	03027X100	AMERICAN TOWER CORP	1,500.000	03/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	272,955.60
936214	03027X100	AMERICAN TOWER CORP	1,000.000	03/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	188,715.00
936214	03027X100	AMERICAN TOWER CORP	3,000.000	06/03/19	MORGAN STANLEY & CO INC, NY	180.00	624,834.00
936214	03027X100	AMERICAN TOWER CORP	500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	104,853.60
936214	03027X100	AMERICAN TOWER CORP	1,500.000	07/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	316,109.10
936214	03027X100	AMERICAN TOWER CORP	1,500.000	08/08/19	INSTINET CLEARING SER INC, NEW YORK	60.00	330,997.65
936214	03027X100	AMERICAN TOWER CORP	1,500.000	08/26/19	INSTINET CLEARING SER INC, NEW YORK	60.00	343,401.00
936214	03027X100	AMERICAN TOWER CORP	2,000.000	09/03/19	MORGAN STANLEY & CO INC, NY	120.00	473,434.00
936214	030420103	AMERICAN WATER WORKS CO INC	3,500.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	435,466.85
936214	030420103	AMERICAN WATER WORKS CO INC	2,000.000	08/19/19	MORGAN STANLEY & CO INC, NY	120.00	248,993.20
936214	030420103	AMERICAN WATER WORKS CO INC	1,000.000	08/20/19	INSTINET CLEARING SER INC, NEW YORK	40.00	123,984.70
936214	030420103	AMERICAN WATER WORKS CO INC	1,500.000	08/23/19	MORGAN STANLEY & CO INC, NY	90.00	186,282.60
936214	030420103	AMERICAN WATER WORKS CO INC	1,000.000	08/26/19	INSTINET CLEARING SER INC, NEW YORK	40.00	124,142.20
936214	030420103	AMERICAN WATER WORKS CO INC	9,000.000	09/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	450.00	1,164,630.60
936214	030420103	AMERICAN WATER WORKS CO INC	4,500.000	09/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	560,764.35

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 4B

EQUITIES PURCHASED DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>COST INCLUDING COMMISSION</u>
936214	03852U106	ARAMARK	15,000.000	10/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	150.00	645,810.00
936214	03852U106	ARAMARK	7,500.000	10/16/19	INSTINET CLEARING SER INC, NEW YORK	300.00	329,386.50
936214	03852U106	ARAMARK	12,500.000	10/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	125.00	552,675.00
936214	03852U106	ARAMARK	5,000.000	10/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	221,467.50
936214	03852U106	ARAMARK	4,000.000	10/25/19	MORGAN STANLEY & CO INC, NY	240.00	179,650.00
936214	03852U106	ARAMARK	4,500.000	11/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	203,330.25
936214	040413106	ARISTA NETWORKS INC	2,500.000	05/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	787,925.75
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,500.000	05/28/19	MORGAN STANLEY & CO INC, NY	90.00	245,390.55
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000.000	06/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	168,118.70
936214	053015103	AUTOMATIC DATA PROCESSING INC	500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	82,168.60
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000.000	08/08/19	INSTINET CLEARING SER INC, NEW YORK	40.00	169,797.50
936214	053015103	AUTOMATIC DATA PROCESSING INC	3,500.000	08/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	591,255.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000.000	08/20/19	INSTINET CLEARING SER INC, NEW YORK	40.00	169,308.60
936214	053015103	AUTOMATIC DATA PROCESSING INC	2,000.000	09/05/19	MORGAN STANLEY & CO INC, NY	120.00	345,536.60
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000.000	10/03/19	INSTINET CLEARING SER INC, NEW YORK	40.00	156,906.30
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000.000	11/19/19	INSTINET CLEARING SER INC, NEW YORK	40.00	171,928.60
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,800.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	18.00	305,670.42
936214	071813109	BAXTER INTERNATIONAL INC	12,500.000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	125.00	1,067,920.00
936214	071813109	BAXTER INTERNATIONAL INC	2,500.000	08/13/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	218,694.75
936214	071813109	BAXTER INTERNATIONAL INC	5,000.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	429,966.00
936214	071813109	BAXTER INTERNATIONAL INC	2,000.000	08/27/19	MORGAN STANLEY & CO INC, NY	120.00	172,247.40
936214	071813109	BAXTER INTERNATIONAL INC	5,500.000	09/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	275.00	482,316.45
936214	071813109	BAXTER INTERNATIONAL INC	9,000.000	09/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	793,966.50
936214	075887109	BECTON DICKINSON AND CO	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	123,927.99
936214	12626K203	CRH PLC	3,500.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	129,881.85
936214	12626K203	CRH PLC	3,500.000	11/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	129,853.15
936214	12626K203	CRH PLC	8,000.000	11/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	80.00	299,645.60
936214	12626K203	CRH PLC	3,000.000	11/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	112,983.30
936214	12626K203	CRH PLC	4,500.000	11/26/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	174,328.65
936214	12626K203	CRH PLC	5,000.000	12/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	195,564.50
936214	12626K203	CRH PLC	5,500.000	12/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	55.00	221,632.40
936214	12626K203	CRH PLC	5,000.000	12/18/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	199,320.50
936214	12626K203	CRH PLC	7,500.000	12/23/19	MORGAN STANLEY & CO INC, NY	450.00	299,467.50
936214	12626K203	CRH PLC	4,500.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	44.99	180,876.14
936214	126408103	CSX CORP	1,000.000	02/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	68,391.40
936214	126408103	CSX CORP	2,000.000	02/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	140,883.00
936214	126408103	CSX CORP	3,000.000	02/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	215,025.30
936214	126408103	CSX CORP	3,000.000	02/15/19	INSTINET CLEARING SER INC, NEW YORK	120.00	217,005.00

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<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>COST INCLUDING COMMISSION</u>
936214	126408103	CSX CORP	5,000.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	362,233.50
936214	126408103	CSX CORP	2,500.000	02/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	183,276.00
936214	126408103	CSX CORP	5,000.000	04/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	397,209.00
936214	126408103	CSX CORP	1,400.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	14.00	108,418.24
936214	15135B101	CENTENE CORP	12,000.000	12/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	120.00	707,906.40
936214	15135B101	CENTENE CORP	3,000.000	12/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	181,237.50
936214	15135B101	CENTENE CORP	3,000.000	12/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	185,788.50
936214	15135B101	CENTENE CORP	9,000.000	12/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	557,715.60
936214	15135B101	CENTENE CORP	5,500.000	12/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	275.00	346,896.55
936214	15135B101	CENTENE CORP	5,000.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	49.99	313,375.49
936214	156782104	CERNER CORP	8,500.000	05/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	85.00	577,400.75
936214	156782104	CERNER CORP	4,000.000	05/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	272,640.80
936214	156782104	CERNER CORP	2,600.000	05/15/19	MORGAN STANLEY & CO INC, NY	156.00	177,866.26
936214	156782104	CERNER CORP	2,500.000	05/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	173,417.50
936214	156782104	CERNER CORP	3,000.000	05/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	208,654.20
936214	156782104	CERNER CORP	4,000.000	05/22/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	280,134.00
936214	156782104	CERNER CORP	3,500.000	05/24/19	INSTINET CLEARING SER INC, NEW YORK	140.00	246,873.55
936214	156782104	CERNER CORP	3,000.000	05/28/19	MORGAN STANLEY & CO INC, NY	180.00	212,688.60
936214	156782104	CERNER CORP	4,500.000	05/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	317,617.65
936214	156782104	CERNER CORP	3,400.000	06/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	170.00	244,367.52
936214	156782104	CERNER CORP	4,000.000	06/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	292,115.60
936214	156782104	CERNER CORP	2,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	148,889.40
936214	156782104	CERNER CORP	7,500.000	07/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	375.00	563,415.00
936214	163092109	CHEGG INC	7,500.000	02/15/19	MORGAN STANLEY & CO INC, NY	450.00	282,578.25
936214	163092109	CHEGG INC	2,500.000	02/19/19	MORGAN STANLEY & CO INC, NY	150.00	95,740.00
936214	163092109	CHEGG INC	2,500.000	02/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	93,582.75
936214	163092109	CHEGG INC	2,000.000	02/25/19	MORGAN STANLEY & CO INC, NY	120.00	79,560.20
936214	163092109	CHEGG INC	1,500.000	02/26/19	MORGAN STANLEY & CO INC, NY	90.00	58,542.45
936214	163092109	CHEGG INC	2,000.000	02/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	77,474.80
936214	163092109	CHEGG INC	2,000.000	02/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	79,265.40
936214	163092109	CHEGG INC	3,000.000	03/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	117,420.90
936214	163092109	CHEGG INC	2,000.000	03/06/19	INSTINET CLEARING SER INC, NEW YORK	80.00	79,438.80
936214	163092109	CHEGG INC	2,500.000	03/18/19	INSTINET CLEARING SER INC, NEW YORK	100.00	102,989.00
936214	163092109	CHEGG INC	7,000.000	05/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	350.00	255,501.40
936214	163092109	CHEGG INC	5,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	219,548.00
936214	163092109	CHEGG INC	3,000.000	07/11/19	MORGAN STANLEY & CO INC, NY	180.00	133,971.60
936214	163092109	CHEGG INC	5,000.000	07/16/19	MORGAN STANLEY & CO INC, NY	300.00	224,985.50
936214	163092109	CHEGG INC	3,000.000	07/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	130,800.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	163092109	CHEGG INC	5,000.000	07/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	219,862.00
936214	171779309	CIENA CORP	5,000.000	01/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	178,240.50
936214	171779309	CIENA CORP	6,000.000	01/10/19	INSTINET CLEARING SER INC, NEW YORK	240.00	222,583.80
936214	171779309	CIENA CORP	3,500.000	01/14/19	MORGAN STANLEY & CO INC, NY	210.00	128,621.50
936214	171779309	CIENA CORP	1,500.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	56,178.00
936214	171779309	CIENA CORP	4,000.000	01/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	154,306.80
936214	171779309	CIENA CORP	4,500.000	01/24/19	MORGAN STANLEY & CO INC, NY	270.00	175,117.50
936214	171779309	CIENA CORP	2,500.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	100.00	95,221.25
936214	171779309	CIENA CORP	5,000.000	03/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	213,416.50
936214	171779309	CIENA CORP	4,000.000	04/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	161,120.80
936214	199908104	COMFORT SYSTEMS USA INC	3,500.000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	190,751.05
936214	199908104	COMFORT SYSTEMS USA INC	3,500.000	02/26/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	189,759.50
936214	199908104	COMFORT SYSTEMS USA INC	1,500.000	02/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	79,877.70
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	54,505.10
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	54,067.80
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	54,081.70
936214	199908104	COMFORT SYSTEMS USA INC	1,500.000	04/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	81,622.50
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	57,764.40
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	57,175.90
936214	199908104	COMFORT SYSTEMS USA INC	1,500.000	04/24/19	MORGAN STANLEY & CO INC, NY	90.00	86,637.00
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	04/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	56,532.00
936214	20030N101	COMCAST CORP	12,000.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	120.00	546,122.40
936214	20030N101	COMCAST CORP	2,500.000	10/30/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	111,606.75
936214	20030N101	COMCAST CORP	8,000.000	11/05/19	INSTINET CLEARING SER INC, NEW YORK	320.00	355,134.40
936214	20030N101	COMCAST CORP	2,500.000	11/12/19	MORGAN STANLEY & CO INC, NY	150.00	113,083.75
936214	20030N101	COMCAST CORP	5,000.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	226,205.50
936214	22160N109	COSTAR GROUP INC	500.000	02/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	197,742.90
936214	22160N109	COSTAR GROUP INC	300.000	02/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	3.00	118,704.48
936214	22160N109	COSTAR GROUP INC	300.000	02/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	15.00	120,811.47
936214	22160N109	COSTAR GROUP INC	200.000	02/11/19	MORGAN STANLEY & CO INC, NY	12.00	80,853.22
936214	22160N109	COSTAR GROUP INC	200.000	02/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	80,244.62
936214	22160N109	COSTAR GROUP INC	300.000	02/14/19	MORGAN STANLEY & CO INC, NY	18.00	122,779.56
936214	22160N109	COSTAR GROUP INC	300.000	02/20/19	INSTINET CLEARING SER INC, NEW YORK	12.00	122,569.56
936214	22160N109	COSTAR GROUP INC	200.000	03/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	2.00	93,224.30
936214	22160N109	COSTAR GROUP INC	500.000	03/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	233,203.05
936214	22160N109	COSTAR GROUP INC	300.000	03/18/19	INSTINET CLEARING SER INC, NEW YORK	12.00	140,445.03
936214	22160N109	COSTAR GROUP INC	300.000	03/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	15.00	142,263.66
936214	22160N109	COSTAR GROUP INC	200.000	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	2.00	92,187.60

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936214	22160N109	COSTAR GROUP INC	200.000	04/24/19	INSTINET CLEARING SER INC, NEW YORK	8.00	98,374.82
936214	22160N109	COSTAR GROUP INC	200.000	04/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	95,210.00
936214	22160N109	COSTAR GROUP INC	1,000.000	05/15/19	MORGAN STANLEY & CO INC, NY	60.00	513,142.40
936214	22160N109	COSTAR GROUP INC	200.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	2.00	112,675.70
936214	22160N109	COSTAR GROUP INC	800.000	09/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	40.00	483,012.88
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	500.000	01/30/19	INSTINET CLEARING SER INC, NEW YORK	20.00	57,773.80
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	3,000.000	02/01/19	INSTINET CLEARING SER INC, NEW YORK	120.00	348,104.10
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,000.000	02/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	117,934.50
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,000.000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	237,518.40
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,000.000	03/21/19	MORGAN STANLEY & CO INC, NY	60.00	126,646.70
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,000.000	04/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	253,019.40
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,000.000	06/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	268,163.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,500.000	06/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	201,967.65
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	600.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	6.00	80,805.66
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,000.000	08/08/19	INSTINET CLEARING SER INC, NEW YORK	80.00	281,276.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,500.000	08/13/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	350,320.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	5,000.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	710,454.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,900.000	08/26/19	INSTINET CLEARING SER INC, NEW YORK	76.00	279,546.62
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	4,500.000	09/03/19	MORGAN STANLEY & CO INC, NY	270.00	662,538.15
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	3,500.000	09/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	505,942.15
936214	254709108	DISCOVER FINANCIAL SERVICES	8,000.000	05/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	80.00	650,017.60
936214	254709108	DISCOVER FINANCIAL SERVICES	4,400.000	05/15/19	MORGAN STANLEY & CO INC, NY	264.00	341,258.28
936214	254709108	DISCOVER FINANCIAL SERVICES	3,500.000	05/22/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	275,136.40
936214	254709108	DISCOVER FINANCIAL SERVICES	1,500.000	05/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	112,649.25
936214	254709108	DISCOVER FINANCIAL SERVICES	3,400.000	06/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	34.00	263,184.82
936214	254709108	DISCOVER FINANCIAL SERVICES	4,000.000	06/12/19	INSTINET CLEARING SER INC, NEW YORK	160.00	308,921.20
936214	254709108	DISCOVER FINANCIAL SERVICES	1,100.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	11.00	88,383.35
936214	254709108	DISCOVER FINANCIAL SERVICES	4,000.000	07/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	323,182.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,000.000	07/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	278,125.20
936214	254709108	DISCOVER FINANCIAL SERVICES	3,500.000	07/29/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	321,540.10
936214	254709108	DISCOVER FINANCIAL SERVICES	3,500.000	07/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	318,605.00
936214	254709108	DISCOVER FINANCIAL SERVICES	4,000.000	07/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	361,380.00
936214	254709108	DISCOVER FINANCIAL SERVICES	4,000.000	09/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	327,199.20
936214	25470F104	DISCOVERY INC	2,000.000	01/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	52,949.40
936214	25470F104	DISCOVERY INC	2,000.000	01/09/19	MORGAN STANLEY & CO INC, NY	120.00	55,168.00
936214	25470F104	DISCOVERY INC	5,500.000	01/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	275.00	148,228.85
936214	25470F104	DISCOVERY INC	4,000.000	01/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	108,736.80
936214	25470F104	DISCOVERY INC	3,000.000	01/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	80,550.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	25470F104	DISCOVERY INC	9,000.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	246,082.50
936214	25470F104	DISCOVERY INC	6,000.000	01/18/19	INSTINET CLEARING SER INC, NEW YORK	240.00	166,266.60
936214	25470F104	DISCOVERY INC	5,000.000	01/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	138,242.50
936214	25470F104	DISCOVERY INC	3,000.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	29.99	84,698.09
936214	25470F104	DISCOVERY INC	9,000.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	262,924.20
936214	25470F104	DISCOVERY INC	5,500.000	04/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	55.00	166,030.15
936214	25470F104	DISCOVERY INC	4,000.000	04/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	119,573.20
936214	25470F104	DISCOVERY INC	13,500.000	04/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	135.00	405,742.50
936214	25470F104	DISCOVERY INC	4,000.000	05/22/19	INSTINET CLEARING SER INC, NEW YORK	160.00	111,541.20
936214	25470F104	DISCOVERY INC	11,000.000	06/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	110.00	309,680.80
936214	25470F104	DISCOVERY INC	5,000.000	06/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	150,951.50
936214	25470F104	DISCOVERY INC	12,000.000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	120.00	368,119.20
936214	25470F104	DISCOVERY INC	11,000.000	06/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	110.00	340,422.50
936214	25470F104	DISCOVERY INC	8,000.000	06/25/19	INSTINET CLEARING SER INC, NEW YORK	320.00	243,908.00
936214	25470F104	DISCOVERY INC	10,300.000	06/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	515.00	314,785.51
936214	25470F104	DISCOVERY INC	4,500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	140,011.20
936214	25470F104	DISCOVERY INC	10,000.000	07/22/19	J.P. MORGAN SECURITIES INC, NEW YORK	500.00	311,775.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	3,500.000	01/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	590,676.10
936214	28176E108	EDWARDS LIFESCIENCES CORP	500.000	01/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	85,191.85
936214	28176E108	EDWARDS LIFESCIENCES CORP	500.000	01/28/19	INSTINET CLEARING SER INC, NEW YORK	20.00	84,653.30
936214	28176E108	EDWARDS LIFESCIENCES CORP	500.000	01/30/19	INSTINET CLEARING SER INC, NEW YORK	20.00	84,474.65
936214	28176E108	EDWARDS LIFESCIENCES CORP	500.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	20.00	84,999.65
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	02/01/19	INSTINET CLEARING SER INC, NEW YORK	40.00	168,807.50
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	02/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	170,227.10
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	02/15/19	INSTINET CLEARING SER INC, NEW YORK	40.00	177,042.50
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	264,947.40
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	03/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	191,320.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	03/21/19	MORGAN STANLEY & CO INC, NY	60.00	192,208.20
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500.000	04/01/19	MORGAN STANLEY & CO INC, NY	90.00	285,223.35
936214	28176E108	EDWARDS LIFESCIENCES CORP	500.000	07/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	96,817.75
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500.000	07/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	291,089.85
936214	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	07/22/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	389,621.40
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	214,615.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000.000	07/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	211,647.50
936214	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	07/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	433,403.80
936214	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	07/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	431,950.20
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500.000	08/19/19	MORGAN STANLEY & CO INC, NY	90.00	334,906.65
936214	29414B104	EPAM SYSTEMS INC	3,500.000	07/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	680,991.15

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936214	29414B104	EPAM SYSTEMS INC	1,000.000	07/22/19	MORGAN STANLEY & CO INC, NY	60.00	195,015.60
936214	29414B104	EPAM SYSTEMS INC	500.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	97,919.00
936214	29414B104	EPAM SYSTEMS INC	2,000.000	10/09/19	MORGAN STANLEY & CO INC, NY	120.00	372,105.00
936214	29414B104	EPAM SYSTEMS INC	1,000.000	11/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	190,167.10
936214	29414B104	EPAM SYSTEMS INC	500.000	11/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	97,105.60
936214	29414B104	EPAM SYSTEMS INC	500.000	11/12/19	MORGAN STANLEY & CO INC, NY	30.00	99,532.40
936214	29414B104	EPAM SYSTEMS INC	1,000.000	11/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	209,754.90
936214	29414B104	EPAM SYSTEMS INC	500.000	11/21/19	MORGAN STANLEY & CO INC, NY	30.00	103,057.00
936214	29414B104	EPAM SYSTEMS INC	2,000.000	11/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	424,153.60
936214	29414B104	EPAM SYSTEMS INC	1,500.000	12/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	311,765.70
936214	29414B104	EPAM SYSTEMS INC	3,000.000	01/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	152,896.80
936214	29786A106	ETSY INC	1,000.000	01/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	54,933.90
936214	29786A106	ETSY INC	1,500.000	01/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	82,010.10
936214	29786A106	ETSY INC	4,000.000	02/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	216,890.80
936214	29786A106	ETSY INC	5,000.000	03/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	357,408.00
936214	29786A106	ETSY INC	3,000.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	205,069.20
936214	29786A106	ETSY INC	2,000.000	07/29/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	136,935.00
936214	29786A106	ETSY INC	3,000.000	07/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	207,180.00
936214	29786A106	EURONET WORLDWIDE INC	1,000.000	01/25/19	MORGAN STANLEY & CO INC, NY	60.00	115,556.80
936214	298736109	EURONET WORLDWIDE INC	500.000	01/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	57,599.75
936214	298736109	EURONET WORLDWIDE INC	1,500.000	02/12/19	MORGAN STANLEY & CO INC, NY	90.00	194,662.95
936214	298736109	EURONET WORLDWIDE INC	1,500.000	02/19/19	MORGAN STANLEY & CO INC, NY	90.00	194,852.25
936214	298736109	EURONET WORLDWIDE INC	2,000.000	03/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	277,836.60
936214	298736109	EURONET WORLDWIDE INC	2,500.000	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	350,190.25
936214	298736109	EURONET WORLDWIDE INC	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	167,010.00
936214	311900104	FASTENAL CO	11,500.000	04/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	115.00	757,607.35
936214	311900104	FASTENAL CO	3,000.000	04/05/19	INSTINET CLEARING SER INC, NEW YORK	120.00	199,961.70
936214	311900104	FASTENAL CO	4,000.000	04/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	266,773.20
936214	311900104	FASTENAL CO	4,000.000	04/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	274,260.40
936214	311900104	FASTENAL CO	2,500.000	04/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	172,458.75
936214	311900104	FASTENAL CO	4,000.000	04/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	280,715.20
936214	311900104	FASTENAL CO	3,000.000	04/24/19	MORGAN STANLEY & CO INC, NY	180.00	214,566.30
936214	311900104	FASTENAL CO	25,600.000	05/23/19	STOCK SPLIT	0.00	0.00
936214	337738108	FISERV INC	4,500.000	11/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	515,754.00
936214	337738108	FISERV INC	1,500.000	11/26/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	174,453.30
936214	337738108	FISERV INC	1,500.000	11/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	173,430.30
936214	337738108	FISERV INC	1,000.000	12/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	114,905.00
936214	337738108	FISERV INC	1,500.000	12/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	172,423.95

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936214	337738108	FISERV INC	2,500.000	12/09/19	MORGAN STANLEY & CO INC, NY	150.00	287,928.75
936214	337738108	FISERV INC	2,500.000	12/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	282,718.50
936214	337738108	FISERV INC	2,500.000	12/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	291,495.50
936214	337738108	FISERV INC	2,500.000	12/23/19	MORGAN STANLEY & CO INC, NY	150.00	291,692.75
936214	34959J108	FORTIVE CORP	8,500.000	05/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	85.00	729,526.95
936214	370334104	GENERAL MILLS INC	19,000.000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	190.00	1,025,205.80
936214	370334104	GENERAL MILLS INC	6,000.000	08/13/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	60.00	326,886.60
936214	370334104	GENERAL MILLS INC	10,000.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	545,339.00
936214	370334104	GENERAL MILLS INC	3,500.000	09/11/19	MORGAN STANLEY & CO INC, NY	210.00	190,461.95
936214	370334104	GENERAL MILLS INC	4,000.000	09/18/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	217,631.20
936214	370334104	GENERAL MILLS INC	6,500.000	10/03/19	INSTINET CLEARING SER INC, NEW YORK	260.00	346,710.00
936214	370334104	GENERAL MILLS INC	1,500.000	01/30/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	111,892.50
936214	37244C101	GENOMIC HEALTH INC	1,000.000	01/31/19	MORGAN STANLEY & CO INC, NY	60.00	75,416.80
936214	37244C101	GENOMIC HEALTH INC	2,000.000	02/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	154,439.60
936214	37244C101	GENOMIC HEALTH INC	2,500.000	02/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	198,057.00
936214	37244C101	GENOMIC HEALTH INC	1,000.000	01/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	89,818.50
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	01/09/19	MORGAN STANLEY & CO INC, NY	60.00	92,193.90
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	01/10/19	INSTINET CLEARING SER INC, NEW YORK	40.00	91,708.50
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	01/18/19	INSTINET CLEARING SER INC, NEW YORK	40.00	96,955.70
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	01/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	99,755.50
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	40.00	99,974.40
936214	431475102	HILL-ROM HOLDINGS INC	1,500.000	02/07/19	INSTINET CLEARING SER INC, NEW YORK	60.00	153,383.25
936214	431475102	HILL-ROM HOLDINGS INC	1,500.000	04/01/19	MORGAN STANLEY & CO INC, NY	90.00	158,287.80
936214	431475102	HILL-ROM HOLDINGS INC	3,000.000	05/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	680,834.40
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	05/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	342,536.40
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	05/17/19	INSTINET CLEARING SER INC, NEW YORK	40.00	238,492.50
936214	44919P508	IAC/INTERACTIVECORP	2,000.000	05/20/19	MORGAN STANLEY & CO INC, NY	120.00	463,927.60
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	07/11/19	MORGAN STANLEY & CO INC, NY	60.00	230,448.20
936214	44919P508	IAC/INTERACTIVECORP	500.000	07/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	116,380.50
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	07/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	362,082.45
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	07/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	243,145.80
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	09/03/19	MORGAN STANLEY & CO INC, NY	60.00	381,824.25
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	10/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	224,242.30
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	11/04/19	INSTINET CLEARING SER INC, NEW YORK	40.00	228,330.40
936214	452327109	ILLUMINA INC	500.000	01/10/19	MORGAN STANLEY & CO INC, NY	30.00	153,910.20
936214	45688C107	INGEVITY CORP	1,500.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	170,215.50
936214	45688C107	INGEVITY CORP	1,500.000	02/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	174,792.90
936214	45688C107	INGEVITY CORP	500.000	02/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	57,745.05

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936214	45688C107	INGEVITY CORP	500.000	02/25/19	MORGAN STANLEY & CO INC, NY	30.00	57,635.40
936214	485170302	KANSAS CITY SOUTHERN	3,500.000	11/04/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	520,872.80
936214	485170302	KANSAS CITY SOUTHERN	3,500.000	11/05/19	MORGAN STANLEY & CO INC, NY	210.00	524,799.10
936214	485170302	KANSAS CITY SOUTHERN	3,500.000	11/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	526,114.75
936214	485170302	KANSAS CITY SOUTHERN	1,000.000	11/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	154,109.50
936214	485170302	KANSAS CITY SOUTHERN	1,000.000	11/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	152,669.90
936214	485170302	KANSAS CITY SOUTHERN	2,500.000	11/19/19	J.P MORGAN SECURITIES INC, NEW YORK	125.00	386,609.75
936214	485170302	KANSAS CITY SOUTHERN	1,500.000	12/18/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	229,415.10
936214	532457108	ELI LILLY & CO	1,500.000	02/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	181,927.80
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	308,647.95
936214	550021109	LULULEMON ATHLETICA INC	800.000	10/30/19	J.P MORGAN SECURITIES INC, NEW YORK	40.00	164,035.44
936214	550021109	LULULEMON ATHLETICA INC	1,200.000	11/01/19	J.P MORGAN SECURITIES INC, NEW YORK	60.00	244,335.60
936214	550021109	LULULEMON ATHLETICA INC	500.000	11/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	103,860.55
936214	550021109	LULULEMON ATHLETICA INC	1,000.000	11/21/19	MORGAN STANLEY & CO INC, NY	60.00	217,254.10
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	11/25/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	335,143.65
936214	550021109	LULULEMON ATHLETICA INC	2,000.000	11/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	449,325.00
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	12/05/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	343,709.55
936214	550021109	LULULEMON ATHLETICA INC	2,000.000	12/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	465,545.00
936214	55024U109	LUMENTUM HOLDINGS INC	5,000.000	11/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	361,224.00
936214	55024U109	LUMENTUM HOLDINGS INC	7,500.000	12/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	75.00	547,575.00
936214	55024U109	LUMENTUM HOLDINGS INC	2,500.000	12/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	171,769.25
936214	55024U109	LUMENTUM HOLDINGS INC	3,000.000	12/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	235,218.30
936214	55024U109	LUMENTUM HOLDINGS INC	2,000.000	12/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	158,749.80
936214	55024U109	LUMENTUM HOLDINGS INC	5,000.000	12/30/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	400,502.50
936214	55024U109	LUMENTUM HOLDINGS INC	1,000.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	260,973.20
936214	55024U109	LUMENTUM HOLDINGS INC	500.000	11/12/19	MORGAN STANLEY & CO INC, NY	30.00	128,204.35
936214	55024U109	MARTIN MARIETTA MATERIALS INC	1,500.000	12/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	408,299.70
936214	573284106	MARTIN MARIETTA MATERIALS INC	1,000.000	12/16/19	INSTINET CLEARING SER INC, NEW YORK	40.00	276,466.40
936214	573284106	MARTIN MARIETTA MATERIALS INC	1,000.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	278,583.90
936214	573284106	MARTIN MARIETTA MATERIALS INC	1,500.000	01/24/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	299,890.05
936214	57636Q104	MASTERCARD INC	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	105,789.69
936214	57636Q104	MASTERCARD INC	1,000.000	02/04/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	214,774.60
936214	57636Q104	MASTERCARD INC	1,000.000	05/01/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	251,491.70
936214	57636Q104	MASTERCARD INC	1,500.000	06/17/19	INSTINET CLEARING SER INC, NEW YORK	60.00	388,883.10
936214	57636Q104	MASTERCARD INC	700.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	7.00	189,452.55
936214	57636Q104	MASTERCARD INC	1,000.000	07/11/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	277,606.50
936214	58933Y105	MERCK & CO INC	12,000.000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	120.00	1,019,087.60
936214	58933Y105	MERCK & CO INC	2,500.000	08/19/19	J.P MORGAN SECURITIES INC, NEW YORK	125.00	215,815.25

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936214	58933Y105	MERCK & CO INC	1,500.000	08/20/19	INSTINET CLEARING SER INC, NEW YORK	60.00	129,762.00
936214	58933Y105	MERCK & CO INC	2,500.000	08/21/19	MORGAN STANLEY & CO INC, NY	150.00	217,656.50
936214	58933Y105	MERCK & CO INC	2,000.000	08/27/19	MORGAN STANLEY & CO INC, NY	120.00	171,784.80
936214	58933Y105	MERCK & CO INC	1,500.000	10/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	127,179.00
936214	58933Y105	MERCK & CO INC	1,500.000	11/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	130,713.30
936214	58933Y105	MERCK & CO INC	2,500.000	12/04/19	MORGAN STANLEY & CO INC, NY	150.00	220,875.00
936214	58933Y105	MERCK & CO INC	3,000.000	12/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	266,434.50
936214	58933Y105	MERCK & CO INC	3,500.000	12/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	315,282.80
936214	58933Y105	MERCK & CO INC	2,500.000	12/23/19	MORGAN STANLEY & CO INC, NY	150.00	229,550.25
936214	594918104	MICROSOFT CORP	1,000.000	04/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	119,065.30
936214	594918104	MICROSOFT CORP	2,000.000	04/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	239,357.20
936214	594918104	MICROSOFT CORP	2,500.000	05/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	321,952.50
936214	594918104	MICROSOFT CORP	1,500.000	05/22/19	INSTINET CLEARING SER INC, NEW YORK	60.00	191,008.35
936214	594918104	MICROSOFT CORP	1,500.000	05/24/19	INSTINET CLEARING SER INC, NEW YORK	60.00	190,023.60
936214	594918104	MICROSOFT CORP	2,000.000	05/28/19	MORGAN STANLEY & CO INC, NY	120.00	255,209.80
936214	594918104	MICROSOFT CORP	2,000.000	05/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	250,958.80
936214	594918104	MICROSOFT CORP	2,500.000	06/11/19	MORGAN STANLEY & CO INC, NY	150.00	333,398.50
936214	594918104	MICROSOFT CORP	1,100.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	11.00	149,955.19
936214	594918104	MICROSOFT CORP	2,500.000	07/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	347,043.50
936214	594918104	MICROSOFT CORP	3,000.000	07/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	413,454.30
936214	594918104	MICROSOFT CORP	3,000.000	09/05/19	MORGAN STANLEY & CO INC, NY	180.00	418,845.00
936214	594918104	MICROSOFT CORP	2,400.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	24.00	379,202.88
936214	595017104	MICROCHIP TECHNOLOGY INC	7,500.000	01/25/19	MORGAN STANLEY & CO INC, NY	450.00	603,116.25
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	01/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	200,094.50
936214	595017104	MICROCHIP TECHNOLOGY INC	5,000.000	01/30/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	402,346.50
936214	595017104	MICROCHIP TECHNOLOGY INC	1,000.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	40.00	80,160.00
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	02/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	201,896.25
936214	595017104	MICROCHIP TECHNOLOGY INC	2,000.000	02/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	164,374.60
936214	595017104	MICROCHIP TECHNOLOGY INC	2,000.000	02/06/19	INSTINET CLEARING SER INC, NEW YORK	80.00	179,110.00
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	02/15/19	MORGAN STANLEY & CO INC, NY	150.00	228,419.75
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	04/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	237,443.25
936214	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	04/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	292,869.30
936214	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	04/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	295,464.60
936214	595017104	MICROCHIP TECHNOLOGY INC	4,900.000	06/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	245.00	432,803.77
936214	595017104	MICROCHIP TECHNOLOGY INC	600.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	6.00	52,817.16
936214	60855R100	MOLINA HEALTHCARE INC	1,800.000	01/10/19	MORGAN STANLEY & CO INC, NY	108.00	237,196.80
936214	60855R100	MOLINA HEALTHCARE INC	1,500.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	202,449.30
936214	60855R100	MOLINA HEALTHCARE INC	1,000.000	01/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	136,315.40

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							INCLUDING COMMISSION	COMMISSION
936214	60855R100	MOLINA HEALTHCARE INC	1,000.000	01/24/19	MORGAN STANLEY & CO INC, NY	60.00	135,151.20	
936214	60855R100	MOLINA HEALTHCARE INC	500.000	01/31/19	J.P MORGAN SECURITIES INC, NEW YORK	25.00	67,409.05	
936214	60855R100	MOLINA HEALTHCARE INC	1,500.000	02/20/19	INSTINET CLEARING SER INC, NEW YORK	60.00	206,590.95	
936214	60855R100	MOLINA HEALTHCARE INC	1,500.000	02/21/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	212,923.95	
936214	60855R100	MOLINA HEALTHCARE INC	1,000.000	02/25/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	145,512.30	
936214	60855R100	MOLINA HEALTHCARE INC	1,500.000	02/26/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	218,936.10	
936214	60855R100	MOLINA HEALTHCARE INC	5,000.000	06/06/19	J.P MORGAN SECURITIES INC, NEW YORK	250.00	773,526.50	
936214	65339F101	NEXTERA ENERGY INC	3,700.000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	37.00	817,778.81	
936214	65339F101	NEXTERA ENERGY INC	500.000	09/05/19	MORGAN STANLEY & CO INC, NY	30.00	109,869.00	
936214	65339F101	NEXTERA ENERGY INC	1,000.000	09/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	220,300.80	
936214	65339F101	NEXTERA ENERGY INC	5,000.000	09/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	1,141,614.50	
936214	65339F101	NEXTERA ENERGY INC	2,500.000	10/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	583,774.50	
936214	65339F101	NEXTERA ENERGY INC	3,500.000	12/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	839,456.80	
936214	688239201	OSHKOSH CORP	5,000.000	02/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	384,041.00	
936214	688239201	OSHKOSH CORP	2,500.000	02/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	190,351.75	
936214	688239201	OSHKOSH CORP	1,000.000	02/08/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	76,024.00	
936214	688239201	OSHKOSH CORP	1,500.000	02/11/19	MORGAN STANLEY & CO INC, NY	90.00	114,172.50	
936214	688239201	OSHKOSH CORP	5,000.000	02/12/19	MORGAN STANLEY & CO INC, NY	300.00	393,762.50	
936214	688239201	OSHKOSH CORP	2,000.000	02/14/19	MORGAN STANLEY & CO INC, NY	120.00	157,320.00	
936214	688239201	OSHKOSH CORP	1,500.000	02/15/19	MORGAN STANLEY & CO INC, NY	90.00	118,083.45	
936214	688239201	OSHKOSH CORP	2,000.000	02/19/19	MORGAN STANLEY & CO INC, NY	120.00	158,629.80	
936214	688239201	OSHKOSH CORP	2,000.000	02/25/19	MORGAN STANLEY & CO INC, NY	120.00	160,282.00	
936214	688239201	OSHKOSH CORP	2,000.000	04/16/19	INSTINET CLEARING SER INC, NEW YORK	80.00	162,731.40	
936214	688239201	OSHKOSH CORP	4,500.000	04/24/19	MORGAN STANLEY & CO INC, NY	270.00	365,598.00	
936214	688239201	OSHKOSH CORP	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	83,638.20	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	3,500.000	11/01/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	520,087.40	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	2,000.000	11/04/19	INSTINET CLEARING SER INC, NEW YORK	80.00	300,112.40	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	4,500.000	11/05/19	INSTINET CLEARING SER INC, NEW YORK	180.00	679,961.25	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	2,500.000	11/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	377,587.50	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	11/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	229,642.80	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	11/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	229,180.35	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	11/19/19	INSTINET CLEARING SER INC, NEW YORK	60.00	228,060.90	
936214	693475105	PNC FINANCIAL SERVICES GROUP I	3,500.000	12/18/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	561,015.00	
936214	697435105	PALO ALTO NETWORKS INC	3,000.000	02/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	660,494.40	
936214	697435105	PALO ALTO NETWORKS INC	500.000	02/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	109,185.30	
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	02/08/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	222,751.00	
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	02/11/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	224,162.20	
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	02/12/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	223,822.90	

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936214	697435105	PALO ALTO NETWORKS INC	1,500.000	02/19/19	MORGAN STANLEY & CO INC, NY	90.00	343,343.85
936214	697435105	PALO ALTO NETWORKS INC	1,500.000	02/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	350,895.15
936214	697435105	PALO ALTO NETWORKS INC	1,500.000	02/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	374,771.85
936214	697435105	PALO ALTO NETWORKS INC	1,500.000	03/12/19	MORGAN STANLEY & CO INC, NY	90.00	362,869.05
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	03/21/19	MORGAN STANLEY & CO INC, NY	60.00	249,887.30
936214	70450Y103	PAYPAL HOLDINGS INC	2,000.000	01/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	181,394.20
936214	70450Y103	PAYPAL HOLDINGS INC	1,000.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	9.99	88,250.69
936214	70450Y103	PAYPAL HOLDINGS INC	2,500.000	02/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	241,086.25
936214	70450Y103	PAYPAL HOLDINGS INC	4,000.000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	434,012.80
936214	70450Y103	PAYPAL HOLDINGS INC	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	116,509.40
936214	70450Y103	PAYPAL HOLDINGS INC	800.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	8.00	91,114.64
936214	742718109	PROCTER & GAMBLE CO/THE	2,000.000	08/08/19	INSTINET CLEARING SER INC, NEW YORK	80.00	234,400.00
936214	742718109	PROCTER & GAMBLE CO/THE	1,500.000	09/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	183,941.85
936214	742718109	PROCTER & GAMBLE CO/THE	2,000.000	09/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	247,155.60
936214	742718109	PROCTER & GAMBLE CO/THE	2,500.000	09/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	308,590.50
936214	742718109	PROCTER & GAMBLE CO/THE	2,500.000	10/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	305,542.00
936214	742718109	PROGRESSIVE CORP/THE	1,500.000	01/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	97,515.00
936214	743315103	PROGRESSIVE CORP/THE	3,000.000	01/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	196,604.10
936214	743315103	PROGRESSIVE CORP/THE	1,000.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	40.00	67,058.90
936214	743315103	PROGRESSIVE CORP/THE	2,000.000	02/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	130,161.80
936214	743315103	PROGRESSIVE CORP/THE	3,000.000	02/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	209,625.30
936214	743315103	PROGRESSIVE CORP/THE	4,000.000	02/15/19	INSTINET CLEARING SER INC, NEW YORK	160.00	284,948.00
936214	743315103	PROGRESSIVE CORP/THE	4,500.000	02/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	322,069.05
936214	743315103	PROGRESSIVE CORP/THE	3,000.000	04/17/19	INSTINET CLEARING SER INC, NEW YORK	120.00	229,575.00
936214	743315103	PROGRESSIVE CORP/THE	3,500.000	05/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	274,314.95
936214	743315103	PROGRESSIVE CORP/THE	5,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	419,459.00
936214	743315103	PROGRESSIVE CORP/THE	4,000.000	07/16/19	MORGAN STANLEY & CO INC, NY	240.00	336,346.80
936214	743315103	PROGRESSIVE CORP/THE	16,000.000	07/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	160.00	1,004,497.60
936214	753422104	RAPID7 INC	1,500.000	07/29/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	93,791.40
936214	753422104	REGENERON PHARMACEUTICALS INC	1,000.000	01/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	401,541.20
936214	75886F107	REGENERON PHARMACEUTICALS INC	1,000.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	402,434.00
936214	75886F107	REGENERON PHARMACEUTICALS INC	500.000	01/18/19	INSTINET CLEARING SER INC, NEW YORK	20.00	208,737.75
936214	75886F107	REGENERON PHARMACEUTICALS INC	500.000	01/24/19	MORGAN STANLEY & CO INC, NY	30.00	203,301.10
936214	75886F107	REGENERON PHARMACEUTICALS INC	500.000	01/31/19	INSTINET CLEARING SER INC, NEW YORK	20.00	214,428.20
936214	75886F107	REGENERON PHARMACEUTICALS INC	300.000	02/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	15.00	128,049.75
936214	75886F107	REGENERON PHARMACEUTICALS INC	300.000	02/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	3.00	126,989.97
936214	75886F107	ROYAL GOLD INC	3,500.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	35.00	439,609.10
936214	780287108	ROYAL GOLD INC	2,000.000	08/19/19	MORGAN STANLEY & CO INC, NY	120.00	253,119.60

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							INCLUDING	COMMISSION
936214	780287108	ROYAL GOLD INC	1,000.000	08/20/19	INSTINET CLEARING SER INC, NEW YORK	40.00	127,036.60	
936214	780287108	ROYAL GOLD INC	1,000.000	08/21/19	MORGAN STANLEY & CO INC, NY	60.00	128,633.10	
936214	780287108	ROYAL GOLD INC	1,000.000	08/23/19	MORGAN STANLEY & CO INC, NY	60.00	129,521.40	
936214	780287108	ROYAL GOLD INC	1,000.000	08/26/19	INSTINET CLEARING SER INC, NEW YORK	40.00	131,157.40	
936214	780287108	ROYAL GOLD INC	1,900.000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	19.00	256,861.57	
936214	780287108	ROYAL GOLD INC	6,000.000	09/03/19	MORGAN STANLEY & CO INC, NY	240.00	821,964.00	
936214	780287108	ROYAL GOLD INC	6,000.000	09/04/19	INSTINET CLEARING SER INC, NEW YORK	240.00	829,546.20	
936214	780287108	ROYAL GOLD INC	1,600.000	10/09/19	MORGAN STANLEY & CO INC, NY	96.00	208,192.48	
936214	78462F103	SPDR S&P 500 ETF TRUST	12,500.000	11/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	125.00	3,838,125.00	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500.000	11/07/19	INSTINET CLEARING SER INC, NEW YORK	60.00	462,574.35	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500.000	11/12/19	MORGAN STANLEY & CO INC, NY	90.00	464,085.60	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500.000	12/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	467,550.00	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,000.000	12/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	315,004.30	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500.000	12/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	471,645.45	
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500.000	12/16/19	INSTINET CLEARING SER INC, NEW YORK	60.00	479,957.40	
936214	78462F103	SPDR S&P 500 ETF TRUST	2,500.000	01/10/19	MORGAN STANLEY & CO INC, NY	150.00	530,654.75	
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	01/11/19	INSTINET CLEARING SER INC, NEW YORK	40.00	211,486.90	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/14/19	MORGAN STANLEY & CO INC, NY	30.00	108,128.70	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	109,154.60	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	112,666.25	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	113,961.10	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/30/19	MORGAN STANLEY & CO INC, NY	30.00	120,114.80	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	01/31/19	MORGAN STANLEY & CO INC, NY	30.00	115,968.05	
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	02/01/19	MORGAN STANLEY & CO INC, NY	60.00	238,618.50	
936214	78486Q101	SVB FINANCIAL GROUP	500.000	02/14/19	MORGAN STANLEY & CO INC, NY	30.00	119,905.20	
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	02/15/19	MORGAN STANLEY & CO INC, NY	60.00	246,886.10	
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	02/25/19	MORGAN STANLEY & CO INC, NY	60.00	249,808.90	
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	03/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	249,084.50	
936214	78486Q101	SVB FINANCIAL GROUP	1,500.000	04/16/19	INSTINET CLEARING SER INC, NEW YORK	60.00	360,277.35	
936214	78486Q101	SVB FINANCIAL GROUP	2,500.000	05/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	631,070.50	
936214	79466L302	SALESFORCE.COM INC	1,000.000	01/10/19	INSTINET CLEARING SER INC, NEW YORK	40.00	145,612.30	
936214	79466L302	SALESFORCE.COM INC	1,000.000	01/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	147,854.00	
936214	79466L302	SALESFORCE.COM INC	1,000.000	01/14/19	INSTINET CLEARING SER INC, NEW YORK	40.00	144,876.20	
936214	79466L302	SALESFORCE.COM INC	2,000.000	01/15/19	INSTINET CLEARING SER INC, NEW YORK	80.00	299,300.00	
936214	79466L302	SALESFORCE.COM INC	1,000.000	01/28/19	INSTINET CLEARING SER INC, NEW YORK	40.00	147,699.20	
936214	79466L302	SALESFORCE.COM INC	1,500.000	01/30/19	INSTINET CLEARING SER INC, NEW YORK	60.00	223,861.65	
936214	79466L302	SALESFORCE.COM INC	700.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	6.99	106,116.49	
936214	79466L302	SALESFORCE.COM INC	1,500.000	02/01/19	INSTINET CLEARING SER INC, NEW YORK	60.00	231,272.70	

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<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>COST INCLUDING COMMISSION</u>
936214	79466L302	SALESFORCE.COM INC	2,300.000	02/04/19	J.P MORGAN SECURITIES INC, NEW YORK	115.00	362,903.89
936214	79466L302	SALESFORCE.COM INC	1,000.000	02/11/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	160,531.20
936214	79466L302	SALESFORCE.COM INC	3,500.000	11/25/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	568,643.95
936214	79466L302	SALESFORCE.COM INC	1,000.000	11/26/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	162,485.70
936214	79466L302	SALESFORCE.COM INC	1,500.000	11/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	242,719.65
936214	81762P102	SERVICENOW INC	2,000.000	06/17/19	MORGAN STANLEY & CO INC, NY	120.00	551,259.60
936214	81762P102	SERVICENOW INC	1,000.000	06/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	284,458.10
936214	81762P102	SERVICENOW INC	1,000.000	06/19/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	282,893.30
936214	81762P102	SERVICENOW INC	1,500.000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	434,767.65
936214	81762P102	SERVICENOW INC	1,000.000	06/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	282,004.10
936214	81762P102	SERVICENOW INC	1,500.000	06/27/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	420,447.30
936214	81762P102	SERVICENOW INC	1,500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	437,861.25
936214	81762P102	SERVICENOW INC	2,500.000	09/11/19	MORGAN STANLEY & CO INC, NY	150.00	398,655.00
936214	833034101	SNAP-ON INC	500.000	09/16/19	MORGAN STANLEY & CO INC, NY	30.00	81,071.65
936214	833034101	SNAP-ON INC	1,000.000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	155,360.80
936214	833034101	SNAP-ON INC	2,000.000	10/25/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	332,945.00
936214	833034101	SNAP-ON INC	1,500.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	250,931.40
936214	833034101	SNAP-ON INC	2,500.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	421,269.50
936214	833034101	SNAP-ON INC	2,000.000	11/05/19	INSTINET CLEARING SER INC, NEW YORK	80.00	336,654.20
936214	833034101	SNAP-ON INC	3,000.000	09/11/19	MORGAN STANLEY & CO INC, NY	180.00	442,248.30
936214	854502101	STANLEY BLACK & DECKER INC	500.000	09/16/19	MORGAN STANLEY & CO INC, NY	30.00	72,755.60
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	213,909.15
936214	854502101	STANLEY BLACK & DECKER INC	2,000.000	10/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	295,796.00
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	10/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	229,799.70
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	10/25/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	228,194.55
936214	854502101	STANLEY BLACK & DECKER INC	2,000.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	303,951.80
936214	854502101	STANLEY BLACK & DECKER INC	2,500.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	392,772.25
936214	854502101	STANLEY BLACK & DECKER INC	2,500.000	11/05/19	J.P MORGAN SECURITIES INC, NEW YORK	125.00	399,157.00
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	11/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	238,059.30
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	14.99	248,782.84
936214	855244109	STARBUCKS CORP	2,000.000	05/15/19	MORGAN STANLEY & CO INC, NY	120.00	155,155.80
936214	855244109	STARBUCKS CORP	3,500.000	05/17/19	INSTINET CLEARING SER INC, NEW YORK	140.00	276,676.75
936214	855244109	STARBUCKS CORP	4,000.000	05/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	302,780.00
936214	855244109	STARBUCKS CORP	5,000.000	06/12/19	INSTINET CLEARING SER INC, NEW YORK	200.00	414,904.00
936214	855244109	STARBUCKS CORP	3,500.000	06/17/19	INSTINET CLEARING SER INC, NEW YORK	140.00	290,788.05
936214	855244109	STARBUCKS CORP	1,700.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	17.00	149,115.50
936214	861012102	STMICROELECTRONICS NV	10,000.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	229,889.00
936214	861012102	STMICROELECTRONICS NV	8,500.000	10/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	85.00	198,025.35

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936214	861012102	STMICROELECTRONICS NV	10,000.000	10/30/19	J.P MORGAN SECURITIES INC, NEW YORK	500.00	229,282.00
936214	861012102	STMICROELECTRONICS NV	6,500.000	11/01/19	J.P MORGAN SECURITIES INC, NEW YORK	325.00	151,025.55
936214	861012102	STMICROELECTRONICS NV	11,500.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	115.00	269,228.80
936214	861012102	STMICROELECTRONICS NV	4,500.000	11/05/19	MORGAN STANLEY & CO INC, NY	270.00	106,317.90
936214	861012102	STMICROELECTRONICS NV	10,000.000	11/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	233,685.00
936214	861012102	STMICROELECTRONICS NV	20,000.000	11/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	200.00	472,900.00
936214	861012102	STMICROELECTRONICS NV	9,000.000	11/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	214,550.10
936214	861012102	STMICROELECTRONICS NV	15,000.000	11/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	150.00	363,489.00
936214	861012102	STMICROELECTRONICS NV	10,000.000	12/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	268,389.00
936214	87165B103	SYNCHRONY FINANCIAL	15,000.000	05/28/19	J.P MORGAN SECURITIES INC, NEW YORK	750.00	528,667.50
936214	87165B103	SYNCHRONY FINANCIAL	15,000.000	05/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	150.00	517,992.00
936214	87165B103	SYNCHRONY FINANCIAL	4,500.000	05/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	152,759.25
936214	87165B103	SYNCHRONY FINANCIAL	3,500.000	06/03/19	MORGAN STANLEY & CO INC, NY	210.00	118,322.05
936214	87165B103	SYNCHRONY FINANCIAL	1,700.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	17.00	60,667.39
936214	87165B103	SYNCHRONY FINANCIAL	4,000.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	146,060.00
936214	87165B103	SYNCHRONY FINANCIAL	4,500.000	07/25/19	J.P MORGAN SECURITIES INC, NEW YORK	225.00	165,767.40
936214	87165B103	SYNCHRONY FINANCIAL	7,000.000	07/29/19	J.P MORGAN SECURITIES INC, NEW YORK	350.00	256,798.50
936214	87165B103	SYNCHRONY FINANCIAL	6,500.000	07/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	65.00	235,057.55
936214	871829107	SYSCO CORP	8,500.000	10/09/19	MORGAN STANLEY & CO INC, NY	510.00	667,629.95
936214	871829107	SYSCO CORP	1,500.000	10/16/19	INSTINET CLEARING SER INC, NEW YORK	60.00	118,487.85
936214	871829107	SYSCO CORP	2,000.000	10/23/19	INSTINET CLEARING SER INC, NEW YORK	80.00	158,203.60
936214	871829107	SYSCO CORP	1,500.000	10/25/19	MORGAN STANLEY & CO INC, NY	90.00	119,387.70
936214	871829107	SYSCO CORP	1,500.000	11/05/19	INSTINET CLEARING SER INC, NEW YORK	60.00	121,004.40
936214	871829107	SYSCO CORP	1,500.000	12/09/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	124,517.55
936214	871829107	SYSCO CORP	3,500.000	12/19/19	INSTINET CLEARING SER INC, NEW YORK	140.00	295,570.80
936214	872540109	TJX COS INC/THE	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	24,494.04
936214	883556102	THERMO FISHER SCIENTIFIC INC	500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	121,512.44
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	06/11/19	MORGAN STANLEY & CO INC, NY	60.00	285,912.60
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	06/13/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	427,434.75
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	293,058.60
936214	883556102	THERMO FISHER SCIENTIFIC INC	400.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.00	118,549.40
936214	883556102	THERMO FISHER SCIENTIFIC INC	500.000	09/18/19	J.P MORGAN SECURITIES INC, NEW YORK	25.00	147,118.05
936214	892672106	TRADEWEB MARKETS INC	5,000.000	07/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	220,541.00
936214	892672106	TRADEWEB MARKETS INC	5,000.000	07/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	229,954.00
936214	892672106	TRADEWEB MARKETS INC	5,200.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	52.00	243,813.44
936214	892672106	TRADEWEB MARKETS INC	5,000.000	07/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	235,576.50
936214	892672106	TRADEWEB MARKETS INC	3,000.000	07/11/19	MORGAN STANLEY & CO INC, NY	180.00	147,729.60
936214	892672106	TRADEWEB MARKETS INC	3,500.000	07/12/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	169,106.35

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FUND	CUSIP	SECURITY DESCRIPTION	TRADE DATE	NAME OF BROKER	COMM	COST	
						INCLUDING	COMMISSION
936214	90384S303	ULTA BEAUTY INC	01/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	134,132.15	
936214	90384S303	ULTA BEAUTY INC	01/09/19	MORGAN STANLEY & CO INC, NY	30.00	140,518.70	
936214	90384S303	ULTA BEAUTY INC	01/10/19	MORGAN STANLEY & CO INC, NY	48.00	221,009.04	
936214	90384S303	ULTA BEAUTY INC	01/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	140,501.25	
936214	90384S303	ULTA BEAUTY INC	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	3.00	83,813.52	
936214	90384S303	ULTA BEAUTY INC	01/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	281,076.00	
936214	90384S303	ULTA BEAUTY INC	01/25/19	MORGAN STANLEY & CO INC, NY	30.00	146,631.00	
936214	90384S303	ULTA BEAUTY INC	01/30/19	MORGAN STANLEY & CO INC, NY	60.00	288,545.00	
936214	90384S303	ULTA BEAUTY INC	01/31/19	MORGAN STANLEY & CO INC, NY	30.00	145,554.70	
936214	90384S303	ULTA BEAUTY INC	05/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	514,564.35	
936214	91324P102	UNITEDHEALTH GROUP INC	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	4.99	134,998.99	
936214	922475108	VEEVA SYSTEMS INC	01/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	94,421.40	
936214	922475108	VEEVA SYSTEMS INC	01/10/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	97,120.40	
936214	922475108	VEEVA SYSTEMS INC	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	151,447.95	
936214	922475108	VEEVA SYSTEMS INC	01/25/19	MORGAN STANLEY & CO INC, NY	90.00	162,270.15	
936214	922475108	VEEVA SYSTEMS INC	01/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	108,366.50	
936214	922475108	VEEVA SYSTEMS INC	01/30/19	MORGAN STANLEY & CO INC, NY	72.00	130,049.76	
936214	922475108	VEEVA SYSTEMS INC	01/31/19	MORGAN STANLEY & CO INC, NY	30.00	54,481.45	
936214	922475108	VEEVA SYSTEMS INC	02/01/19	MORGAN STANLEY & CO INC, NY	90.00	166,270.20	
936214	922475108	VEEVA SYSTEMS INC	02/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	230,878.80	
936214	922475108	VEEVA SYSTEMS INC	02/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	16.00	184,079.84	
936214	922475108	VEEVA SYSTEMS INC	03/21/19	MORGAN STANLEY & CO INC, NY	120.00	257,277.60	
936214	922475108	VEEVA SYSTEMS INC	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	26.00	323,159.20	
936214	922475108	VEEVA SYSTEMS INC	04/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	343,554.00	
936214	922475108	VEEVA SYSTEMS INC	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	8.00	134,888.00	
936214	922475108	VEEVA SYSTEMS INC	07/11/19	MORGAN STANLEY & CO INC, NY	120.00	350,215.60	
936214	922475108	VEEVA SYSTEMS INC	07/22/19	MORGAN STANLEY & CO INC, NY	120.00	339,469.40	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	595,359.60	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/05/19	MORGAN STANLEY & CO INC, NY	180.00	595,793.70	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	201,248.40	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	204,577.50	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	429,842.80	
936214	92532F100	VERTEX PHARMACEUTICALS INC	11/21/19	MORGAN STANLEY & CO INC, NY	120.00	430,697.60	
936214	92532F100	VERTEX PHARMACEUTICALS INC	12/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	220,150.00	
936214	92532F100	VERTEX PHARMACEUTICALS INC	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	437,713.00	
936214	92532F100	VERTEX PHARMACEUTICALS INC	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.99	348,391.51	
936214	92826C839	VISA INC	01/11/19	INSTINET CLEARING SER INC, NEW YORK	60.00	207,084.45	
936214	92826C839	VISA INC	01/14/19	INSTINET CLEARING SER INC, NEW YORK	60.00	205,914.90	

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EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	92826C839	VISA INC	2,000.000	04/01/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	315,136.40
936214	92826C839	VISA INC	1,500.000	05/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	241,929.45
936214	92826C839	VISA INC	2,000.000	06/17/19	INSTINET CLEARING SER INC, NEW YORK	80.00	339,067.00
936214	92826C839	VISA INC	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	176,151.60
936214	92826C839	VISA INC	1,500.000	07/11/19	J.P MORGAN SECURITIES INC, NEW YORK	75.00	270,497.25
936214	941848103	WATERS CORP	2,000.000	02/06/19	INSTINET CLEARING SER INC, NEW YORK	80.00	465,160.40
936214	941848103	WATERS CORP	1,000.000	02/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	229,726.40
936214	941848103	WATERS CORP	500.000	02/11/19	MORGAN STANLEY & CO INC, NY	30.00	116,390.30
936214	941848103	WATERS CORP	2,000.000	02/12/19	MORGAN STANLEY & CO INC, NY	120.00	468,202.00
936214	941848103	WATERS CORP	500.000	03/06/19	INSTINET CLEARING SER INC, NEW YORK	20.00	119,878.05
936214	941848103	WATERS CORP	1,000.000	04/01/19	MORGAN STANLEY & CO INC, NY	60.00	252,478.20
936214	941848103	WATERS CORP	1,000.000	01/31/19	MORGAN STANLEY & CO INC, NY	60.00	111,697.30
936214	983919101	XILINX INC	3,500.000	03/12/19	J.P MORGAN SECURITIES INC, NEW YORK	175.00	430,755.50
936214	983919101	XILINX INC	3,000.000	04/16/19	INSTINET CLEARING SER INC, NEW YORK	120.00	405,360.00
936214	983919101	XILINX INC	2,500.000	04/24/19	MORGAN STANLEY & CO INC, NY	150.00	349,897.50
936214	G3198U102	ESSENT GROUP LTD	5,000.000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	218,709.00
936214	G3198U102	ESSENT GROUP LTD	5,000.000	02/26/19	MORGAN STANLEY & CO INC, NY	300.00	218,991.00
936214	G3198U102	ESSENT GROUP LTD	2,000.000	03/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	87,722.00
936214	G3198U102	ESSENT GROUP LTD	2,500.000	03/06/19	INSTINET CLEARING SER INC, NEW YORK	100.00	109,261.50
936214	G3198U102	ESSENT GROUP LTD	3,500.000	03/18/19	INSTINET CLEARING SER INC, NEW YORK	140.00	163,430.40
936214	G3198U102	ESSENT GROUP LTD	6,000.000	03/21/19	J.P MORGAN SECURITIES INC, NEW YORK	300.00	274,598.40
936214	G3198U102	ESSENT GROUP LTD	4,000.000	04/01/19	MORGAN STANLEY & CO INC, NY	240.00	179,126.00
936214	G3198U102	ESSENT GROUP LTD	2,500.000	04/05/19	INSTINET CLEARING SER INC, NEW YORK	100.00	113,793.50
936214	G3198U102	ESSENT GROUP LTD	6,000.000	04/24/19	J.P MORGAN SECURITIES INC, NEW YORK	300.00	279,232.20
936214	G3198U102	ESSENT GROUP LTD	4,000.000	06/14/19	J.P MORGAN SECURITIES INC, NEW YORK	200.00	193,786.80
936214	G3198U102	ESSENT GROUP LTD	1,800.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	18.00	87,558.12
936214	G3198U102	ESSENT GROUP LTD	2,000.000	09/18/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	96,984.60
936214	G3198U102	ESSENT GROUP LTD	2,500.000	10/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	119,964.25
936214	G3198U102	ESSENT GROUP LTD	4,000.000	10/09/19	J.P MORGAN SECURITIES INC, NEW YORK	200.00	190,008.80
936214	G3198U102	ESSENT GROUP LTD	6,000.000	10/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	60.00	316,063.80
936214	G3198U102	ESSENT GROUP LTD	3,500.000	10/25/19	MORGAN STANLEY & CO INC, NY	210.00	187,405.05
936214	G3198U102	ESSENT GROUP LTD	5,500.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	55.00	288,460.15
936214	G3198U102	ESSENT GROUP LTD	5,000.000	11/05/19	J.P MORGAN SECURITIES INC, NEW YORK	250.00	261,235.50
936214	G3922B107	GENPACT LTD	12,000.000	10/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	120.00	456,084.00
936214	G3922B107	GENPACT LTD	6,500.000	10/16/19	INSTINET CLEARING SER INC, NEW YORK	260.00	250,494.40
936214	G3922B107	GENPACT LTD	9,000.000	10/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	90.00	350,118.90
936214	G3922B107	GENPACT LTD	2,500.000	11/01/19	J.P MORGAN SECURITIES INC, NEW YORK	125.00	99,314.50
936214	G3922B107	GENPACT LTD	3,000.000	11/04/19	INSTINET CLEARING SER INC, NEW YORK	120.00	120,144.00

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SCHEDULE 4B

EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST	
							INCLUDING COMMISSION	COMMISSION
936214	G3922B107	GENPACT LTD	5,000.000	11/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	201,680.00	
936214	G3922B107	GENPACT LTD	4,000.000	11/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	40.00	165,057.20	
936214	G47791101	INGERSOLL-RAND PLC	7,000.000	04/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	70.00	778,362.90	
936214	G47791101	INGERSOLL-RAND PLC	1,000.000	04/05/19	INSTINET CLEARING SER INC, NEW YORK	40.00	113,191.20	
936214	G47791101	INGERSOLL-RAND PLC	1,000.000	04/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	112,101.70	
936214	G47791101	INGERSOLL-RAND PLC	1,500.000	04/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	171,179.25	
936214	G47791101	INGERSOLL-RAND PLC	1,000.000	04/17/19	INSTINET CLEARING SER INC, NEW YORK	40.00	113,370.30	
936214	G47791101	INGERSOLL-RAND PLC	1,000.000	04/24/19	INSTINET CLEARING SER INC, NEW YORK	40.00	113,847.40	
936214	G47791101	INGERSOLL-RAND PLC	2,500.000	05/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	306,223.25	
936214	G47791101	INGERSOLL-RAND PLC	3,000.000	05/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	367,122.90	
936214	G47791101	INGERSOLL-RAND PLC	2,000.000	05/24/19	INSTINET CLEARING SER INC, NEW YORK	80.00	241,333.00	
936214	G47791101	INGERSOLL-RAND PLC	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	125,325.60	
936214	G5494J103	LINDE PLC	4,000.000	06/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	788,079.20	
936214	G5494J103	LINDE PLC	500.000	06/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	100,619.20	
936214	G5494J103	LINDE PLC	1,000.000	06/11/19	MORGAN STANLEY & CO INC, NY	60.00	200,502.80	
936214	G5494J103	LINDE PLC	1,500.000	06/12/19	INSTINET CLEARING SER INC, NEW YORK	60.00	302,484.75	
936214	G5494J103	LINDE PLC	1,500.000	06/13/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	15.00	303,005.10	
936214	G5494J103	LINDE PLC	2,000.000	06/17/19	INSTINET CLEARING SER INC, NEW YORK	80.00	406,297.20	
936214	G5494J103	LINDE PLC	500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	101,525.70	
936214	G5494J103	LINDE PLC	3,000.000	11/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	601,545.00	
936214	G5494J103	LINDE PLC	2,000.000	11/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	402,448.80	
936214	G5494J103	LINDE PLC	500.000	11/12/19	MORGAN STANLEY & CO INC, NY	30.00	102,730.95	
936214	G5494J103	LINDE PLC	1,000.000	11/19/19	INSTINET CLEARING SER INC, NEW YORK	40.00	208,250.60	
936214	G5494J103	LINDE PLC	1,500.000	11/21/19	MORGAN STANLEY & CO INC, NY	90.00	310,582.65	
936214	G5494J103	LINDE PLC	1,500.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	14.99	317,732.09	
936214	G5960L103	MEDTRONIC PLC	10,000.000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	100.00	1,022,634.00	
936214	G5960L103	MEDTRONIC PLC	2,500.000	08/19/19	MORGAN STANLEY & CO INC, NY	150.00	260,299.75	
936214	G5960L103	MEDTRONIC PLC	2,500.000	08/20/19	INSTINET CLEARING SER INC, NEW YORK	100.00	271,325.25	
936214	G5960L103	MEDTRONIC PLC	1,500.000	08/21/19	MORGAN STANLEY & CO INC, NY	90.00	161,687.25	
936214	G5960L103	MEDTRONIC PLC	1,500.000	08/23/19	MORGAN STANLEY & CO INC, NY	90.00	160,151.25	
936214	G5960L103	MEDTRONIC PLC	2,000.000	09/05/19	MORGAN STANLEY & CO INC, NY	120.00	215,871.00	
936214	G5960L103	MEDTRONIC PLC	5,000.000	09/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	540,312.50	
936214	G5960L103	MEDTRONIC PLC	4,000.000	09/16/19	MORGAN STANLEY & CO INC, NY	240.00	438,150.40	
936214	G5960L103	MEDTRONIC PLC	1,800.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	18.00	203,332.32	
936214	G84720104	STERIS PLC/UK	1,500.000	03/12/19	MORGAN STANLEY & CO INC, NY	90.00	183,177.45	
936214	G8473T100	STERIS PLC	2,500.000	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	25.00	314,520.75	
936214	G8473T100	STERIS PLC	12,500.000	03/28/19	CONVERSION	0.00	1,358,527.45	
936214	G8473T100	STERIS PLC	1,000.000	05/22/19	INSTINET CLEARING SER INC, NEW YORK	40.00	136,013.00	

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SCHEDULE 4B

EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	G8473T100	STERIS PLC	2,000.000	05/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	271,146.40
936214	G8473T100	STERIS PLC	1,500.000	05/28/19	MORGAN STANLEY & CO INC, NY	90.00	202,801.95
936214	G8473T100	STERIS PLC	3,500.000	06/12/19	INSTINET CLEARING SER INC, NEW YORK	140.00	496,827.10
936214	G8473T100	STERIS PLC	3,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	30.00	456,165.00
936214	G8473T100	STERIS PLC	2,000.000	08/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	304,830.00
936214	G96629103	WILLIS TOWERS WATSON PLC	3,000.000	03/06/19	INSTINET CLEARING SER INC, NEW YORK	120.00	511,210.50
936214	G96629103	WILLIS TOWERS WATSON PLC	500.000	03/12/19	MORGAN STANLEY & CO INC, NY	30.00	86,029.60
936214	G96629103	WILLIS TOWERS WATSON PLC	500.000	04/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	87,930.45
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	04/05/19	INSTINET CLEARING SER INC, NEW YORK	40.00	178,646.50
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	04/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	178,220.90
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	04/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	180,093.30
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	06/03/19	MORGAN STANLEY & CO INC, NY	60.00	177,086.80
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	06/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	188,408.20
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000.000	06/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	190,035.90
936214	G96629103	WILLIS TOWERS WATSON PLC	1,500.000	07/01/19	MORGAN STANLEY & CO INC, NY	90.00	289,603.95
936214	G96629103	WILLIS TOWERS WATSON PLC	500.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	97,301.15
936214	G96629103	WILLIS TOWERS WATSON PLC	2,000.000	07/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	396,030.60
936214	M2682V108	CYBERARK SOFTWARE LTD	5,000.000	01/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	50.00	385,453.00
936214	M2682V108	CYBERARK SOFTWARE LTD	1,000.000	01/28/19	INSTINET CLEARING SER INC, NEW YORK	40.00	81,877.20
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	01/30/19	MORGAN STANLEY & CO INC, NY	120.00	173,640.80
936214	M2682V108	CYBERARK SOFTWARE LTD	500.000	01/31/19	MORGAN STANLEY & CO INC, NY	30.00	43,680.55
936214	M2682V108	CYBERARK SOFTWARE LTD	2,500.000	02/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	222,110.00
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	02/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	20.00	177,077.20
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	02/06/19	INSTINET CLEARING SER INC, NEW YORK	80.00	175,656.40
936214	M2682V108	CYBERARK SOFTWARE LTD	3,000.000	02/12/19	MORGAN STANLEY & CO INC, NY	180.00	265,914.60
936214	M2682V108	CYBERARK SOFTWARE LTD	3,000.000	03/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	352,622.70
936214	M2682V108	CYBERARK SOFTWARE LTD	1,500.000	04/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	181,844.70
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	04/24/19	INSTINET CLEARING SER INC, NEW YORK	80.00	253,850.00
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	06/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	261,273.60
936214	M2682V108	CYBERARK SOFTWARE LTD	1,000.000	07/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	10.00	126,631.20
936214	M2682V108	CYBERARK SOFTWARE LTD	2,000.000	07/22/19	MORGAN STANLEY & CO INC, NY	120.00	286,294.20
936214	M2682V108	CYBERARK SOFTWARE LTD	2,500.000	07/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	352,202.50
936214	M51363113	MELLANOX TECHNOLOGIES LTD	4,500.000	02/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	45.00	443,477.70
936214	M51363113	MELLANOX TECHNOLOGIES LTD	1,000.000	02/12/19	INSTINET CLEARING SER INC, NEW YORK	40.00	101,285.90
936214	M51363113	MELLANOX TECHNOLOGIES LTD	1,500.000	03/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	164,439.15
936214	M51363113	MELLANOX TECHNOLOGIES LTD	500.000	03/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICAGO	5.00	53,918.30
936214	M51363113	MELLANOX TECHNOLOGIES LTD	2,500.000	04/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	297,089.25

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SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	TRADE <u>DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	COST INCLUDING <u>COMMISSION</u>
SCHEDULE TOTALS							202,803,805.68
						61,554.35	

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SCHEDULE 4C
EQUITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	00724F101	ADOBE INC	1,000,000	02/25/19	INSTINET CLEARING SER INC, NEW YORK	40.00	260,226.61	242,079.39	18,147.22	0.00
936214	00724F101	ADOBE INC	2,000,000	06/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	553,612.94	497,159.25	56,453.69	0.00
936214	00724F101	ADOBE INC	1,500,000	08/15/19	INSTINET CLEARING SER INC, NEW YORK	60.00	423,826.12	406,605.93	17,220.19	0.00
936214	00724F101	ADOBE INC	2,000,000	08/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	570,277.39	542,141.24	28,136.15	0.00
936214	00724F101	ADOBE INC	1,700,000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	17.00	484,358.05	460,820.06	23,537.99	0.00
936214	00724F101	ADOBE INC	1,000,000	09/03/19	INSTINET CLEARING SER INC, NEW YORK	40.00	282,003.36	271,070.62	10,932.74	0.00
936214	00724F101	ADOBE INC	2,100,000	09/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	105.00	584,547.04	569,248.31	15,298.73	0.00
936214	00724F101	ADOBE INC	500,000	09/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	139,992.55	135,535.31	4,457.24	0.00
936214	00724F101	ADOBE INC	1,000,000	09/24/19	MORGAN STANLEY & CO INC, NY	120.00	271,279.88	271,070.62	209.26	0.00
936214	00724F101	ADOBE INC	2,000,000	09/25/19	MORGAN STANLEY & CO INC, NY	120.00	546,150.29	542,141.25	4,009.04	0.00
936214	00724F101	ADOBE INC	1,000,000	10/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	268,142.65	271,070.62	(2,927.97)	0.00
936214	00724F101	ADOBE INC	2,300,000	10/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	23.00	623,107.01	623,462.43	(355.42)	0.00
936214	00724F101	ADOBE INC	2,500,000	03/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	114,817.26	125,538.51	(10,721.25)	1,875.00
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	1,000,000	03/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	46,244.60	50,215.40	(3,970.80)	0.00
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	1,000,000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	205,039.83	225,969.32	(20,929.49)	0.00
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	4,500,000	04/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	205,661.28	225,969.32	(20,308.04)	0.00
936214	01973R101	ALLISON TRANSMISSION HOLDINGS	4,500,000	04/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	205,661.28	225,969.32	(20,308.04)	0.00
936214	023135106	AMAZON.COM INC	200,000	02/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	324,607.41	318,619.00	5,988.41	0.00
936214	023135106	AMAZON.COM INC	100,000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	1.00	164,267.96	159,309.50	4,958.46	0.00
936214	023135106	AMAZON.COM INC	100,000	02/27/19	INSTINET CLEARING SER INC, NEW YORK	4.00	161,714.89	159,309.50	2,405.39	0.00
936214	023135106	AMAZON.COM INC	200,000	08/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	365,014.06	353,148.59	11,865.47	0.00
936214	023135106	AMAZON.COM INC	200,000	08/13/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	364,987.28	353,148.59	11,838.69	0.00
936214	023135106	AMAZON.COM INC	200,000	08/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	10.00	354,399.98	353,148.59	1,251.39	0.00
936214	023135106	AMAZON.COM INC	100,000	08/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	1.00	181,025.31	176,574.29	4,451.02	0.00
936214	023135106	AMAZON.COM INC	300,000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	3.00	537,330.91	529,722.88	7,608.03	0.00
936214	023135106	AMAZON.COM INC	300,000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	3.00	537,190.60	529,722.88	7,467.72	0.00
936214	023135106	AMAZON.COM INC	100,000	09/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	5.00	173,792.21	176,574.29	(2,782.08)	0.00
936214	023135106	AMAZON.COM INC	300,000	09/25/19	MORGAN STANLEY & CO INC, NY	18.00	524,458.62	529,722.88	(5,264.26)	0.00
936214	023135106	AMAZON.COM INC	250,000	12/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	12.50	434,746.23	441,435.74	(6,689.51)	0.00
936214	023135106	AMAZON.COM INC	250,000	12/18/19	MORGAN STANLEY & CO INC, NY	15.00	447,199.77	441,435.74	5,764.04	0.00
936214	023436108	AMEDISYS INC	2,000,000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	257,070.66	240,258.73	16,811.93	0.00
936214	023436108	AMEDISYS INC	1,000,000	02/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	125,565.17	120,129.36	5,435.81	0.00
936214	023436108	AMEDISYS INC	1,000,000	02/27/19	INSTINET CLEARING SER INC, NEW YORK	40.00	121,559.61	120,129.36	1,430.25	0.00
936214	023436108	AMEDISYS INC	1,000,000	02/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	126,776.75	120,129.36	6,647.39	0.00
936214	023436108	AMEDISYS INC	2,500,000	03/04/19	MORGAN STANLEY & CO INC, NY	150.00	301,613.32	300,323.41	1,289.91	0.00
936214	023436108	AMEDISYS INC	2,400,000	03/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	24.00	283,647.99	288,310.48	(4,662.49)	0.00
936214	03027X100	AMERICAN TOWER CORP	1,000,000	05/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	190,369.35	171,481.21	18,888.14	36,705.00
936214	03027X100	AMERICAN TOWER CORP	3,000,000	10/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	662,567.18	592,089.68	70,477.50	0.00
936214	03027X100	AMERICAN TOWER CORP	1,500,000	10/23/19	INSTINET CLEARING SER INC, NEW YORK	60.00	337,118.92	296,044.84	41,074.08	0.00
936214	03027X100	AMERICAN TOWER CORP	1,500,000	11/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	319,612.18	296,044.84	23,567.34	0.00
936214	03027X100	AMERICAN TOWER CORP	5,000,000	11/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	1,020,045.88	986,816.13	33,229.75	0.00
936214	03027X100	AMERICAN TOWER CORP	2,500,000	11/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	514,971.58	493,408.06	21,563.52	0.00
936214	03027X100	AMERICAN TOWER CORP	500,000	11/07/19	MORGAN STANLEY & CO INC, NY	30.00	102,807.47	98,681.61	4,125.86	0.00
936214	03027X100	AMERICAN TOWER CORP	1,000,000	11/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	216,653.21	197,363.23	19,289.98	0.00
936214	03027X100	AMERICAN TOWER CORP	1,000,000	11/27/19	INSTINET CLEARING SER INC, NEW YORK	40.00	214,354.96	197,363.23	16,991.73	0.00

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936214	03027X100	AMERICAN TOWER CORP	2,500,000	12/11/19	MORGAN STANLEY & CO INC, NY	150.00	526,645.09	493,408.06	33,237.03	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	2,500,000	11/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	301,517.00	316,029.39	(14,512.39)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	2,000,000	11/07/19	INSTINET CLEARING SER INC, NEW YORK	80.00	236,395.10	252,823.51	(16,428.41)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	3,500,000	11/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	404,345.57	442,441.14	(38,095.57)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	3,000,000	12/04/19	INSTINET CLEARING SER INC, NEW YORK	120.00	364,777.74	379,235.27	(14,457.53)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	1,000,000	12/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	122,496.56	126,411.76	(3,915.20)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	1,000,000	12/20/19	MORGAN STANLEY & CO INC, NY	60.00	122,380.06	126,411.76	(4,031.70)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	1,000,000	12/23/19	MORGAN STANLEY & CO INC, NY	60.00	120,916.89	126,411.75	(5,494.86)	0.00
936214	030420103	AMERICAN WATER WORKS CO INC	2,000,000	01/15/19	MORGAN STANLEY & CO INC, NY	120.00	305,646.62	315,480.00	(9,833.38)	0.00
936214	037833100	APPLE INC	1,000,000	01/18/19	MORGAN STANLEY & CO INC, NY	90.00	236,306.92	236,610.00	(303.08)	0.00
936214	03852U106	ARAMARK	1,500,000	12/04/19	INSTINET CLEARING SER INC, NEW YORK	200.00	210,095.64	219,826.73	(9,731.09)	0.00
936214	03852U106	ARAMARK	4,500,000	12/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	190,918.45	197,844.05	(6,925.60)	0.00
936214	03852U106	ARAMARK	9,700,000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	97.00	421,737.57	426,463.85	(4,726.28)	0.00
936214	040413106	ARISTA NETWORKS INC	1,000,000	05/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	265,254.90	315,170.30	(49,915.40)	0.00
936214	040413106	ARISTA NETWORKS INC	1,500,000	05/08/19	MORGAN STANLEY & CO INC, NY	90.00	400,289.51	472,755.45	(72,465.94)	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000,000	01/15/19	INSTINET CLEARING SER INC, NEW YORK	40.00	132,951.97	131,120.00	1,831.97	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,000,000	01/24/19	INSTINET CLEARING SER INC, NEW YORK	40.00	135,458.23	4,338.23	83,894.20	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	3,500,000	07/11/19	INSTINET CLEARING SER INC, NEW YORK	140.00	575,369.88	491,475.68	12,135.33	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	500,000	07/12/19	INSTINET CLEARING SER INC, NEW YORK	20.00	82,346.14	70,210.81	36,622.60	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,500,000	07/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	247,255.03	210,632.43	2,623.46	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,500,000	09/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	238,956.15	236,332.69	2,623.46	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	1,500,000	10/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	239,104.19	236,254.83	2,849.36	0.00
936214	053015103	AUTOMATIC DATA PROCESSING INC	3,500,000	10/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	302,572.94	303,503.80	(930.86)	4,840.00
936214	071813109	BAXTER INTERNATIONAL INC	3,500,000	10/07/19	INSTINET CLEARING SER INC, NEW YORK	140.00	301,687.10	303,503.80	(1,816.70)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	6,000,000	10/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	300.00	461,931.03	520,292.24	(58,361.21)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	2,500,000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	195,269.46	216,788.43	(21,518.97)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	5,000,000	10/30/19	MORGAN STANLEY & CO INC, NY	300.00	383,454.55	433,576.86	(50,122.31)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	3,000,000	11/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	232,584.88	260,146.12	(27,561.24)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	3,000,000	11/04/19	MORGAN STANLEY & CO INC, NY	180.00	234,854.03	260,146.12	(25,292.09)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	2,500,000	11/07/19	MORGAN STANLEY & CO INC, NY	150.00	194,516.47	216,788.43	(22,271.96)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	1,500,000	11/11/19	MORGAN STANLEY & CO INC, NY	90.00	118,547.34	130,073.06	(11,525.72)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	3,000,000	11/26/19	MORGAN STANLEY & CO INC, NY	180.00	246,081.00	260,146.12	(14,065.12)	0.00
936214	071813109	BAXTER INTERNATIONAL INC	3,000,000	11/27/19	INSTINET CLEARING SER INC, NEW YORK	120.00	246,555.59	260,146.12	(13,590.53)	0.00
936214	075887109	BECTON DICKINSON AND CO	1,000,000	02/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	242,608.34	229,076.00	13,532.34	0.00
936214	075887109	BECTON DICKINSON AND CO	500,000	02/07/19	MORGAN STANLEY & CO INC, NY	30.00	120,635.58	114,538.00	6,097.58	0.00
936214	075887109	BECTON DICKINSON AND CO	1,500,000	02/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	358,073.99	343,613.99	14,460.00	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	2,000,000	01/15/19	MORGAN STANLEY & CO INC, NY	120.00	392,634.89	408,360.00	(15,725.11)	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	500,000	01/18/19	MORGAN STANLEY & CO INC, NY	30.00	100,453.69	102,090.00	(1,636.31)	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	1,500,000	01/24/19	INSTINET CLEARING SER INC, NEW YORK	60.00	301,587.87	306,270.00	(4,682.13)	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	1,500,000	01/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	306,542.16	306,270.00	272.16	0.00
936214	125523100	CIGNA CORP	500,000	01/07/19	INSTINET CLEARING SER INC, NEW YORK	20.00	94,175.27	94,960.00	(784.73)	0.00
936214	125523100	CIGNA CORP	500,000	02/04/19	INSTINET CLEARING SER INC, NEW YORK	30.00	95,222.71	94,960.00	262.71	0.00
936214	125523100	CIGNA CORP	2,000,000	02/06/19	MORGAN STANLEY & CO INC, NY	120.00	374,095.53	379,840.00	(5,744.47)	0.00
936214	125523100	CIGNA CORP	1,500,000	02/07/19	MORGAN STANLEY & CO INC, NY	90.00	278,099.38	284,880.00	(6,780.62)	0.00

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936214	126408103	CSX CORP	3,000.000	04/08/19	MORGAN STANLEY & CO INC, NY	180.00	224,983.87	202,665.42	22,318.45	14,784.00
936214	126408103	CSX CORP	5,000.000	07/11/19	INSTINET CLEARING SER INC, NEW YORK	200.00	386,523.99	348,811.00	37,712.99	0.00
936214	126408103	CSX CORP	3,500.000	07/12/19	INSTINET CLEARING SER INC, NEW YORK	140.00	275,286.79	244,167.70	31,119.09	0.00
936214	126408103	CSX CORP	3,000.000	07/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	213,685.58	209,286.60	4,398.98	0.00
936214	126408103	CSX CORP	4,000.000	07/19/19	MORGAN STANLEY & CO INC, NY	240.00	282,513.34	279,048.80	3,464.54	0.00
936214	126408103	CSX CORP	8,500.000	07/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	85.00	602,372.33	592,978.69	9,393.64	0.00
936214	126408103	CSX CORP	9,200.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	92.00	641,810.91	641,812.23	(1.32)	0.00
936214	156782104	CERNER CORP	5,000.000	08/15/19	INSTINET CLEARING SER INC, NEW YORK	200.00	347,769.79	353,912.46	(6,142.67)	10,368.00
936214	156782104	CERNER CORP	5,000.000	08/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	342,548.41	353,912.46	(11,364.05)	0.00
936214	156782104	CERNER CORP	8,500.000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	85.00	569,278.26	601,651.18	(32,372.92)	0.00
936214	156782104	CERNER CORP	3,500.000	09/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	236,310.20	247,738.72	(11,428.52)	0.00
936214	156782104	CERNER CORP	3,000.000	09/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	200,370.95	212,347.48	(11,976.53)	0.00
936214	156782104	CERNER CORP	5,500.000	09/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	55.00	365,345.89	389,303.71	(23,957.82)	0.00
936214	156782104	CERNER CORP	4,000.000	10/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	405,532.80	424,694.95	(19,162.15)	0.00
936214	156782104	CERNER CORP	4,000.000	10/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	269,760.42	283,129.97	(13,369.55)	0.00
936214	156782104	CERNER CORP	2,400.000	10/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	24.00	158,874.55	169,877.98	(11,003.43)	0.00
936214	156782104	CERNER CORP	3,000.000	10/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	199,786.56	212,347.48	(12,560.92)	0.00
936214	156782104	CERNER CORP	6,000.000	10/09/19	INSTINET CLEARING SER INC, NEW YORK	264.00	433,375.40	467,164.44	(33,789.04)	0.00
936214	163092109	CHEGG INC	5,000.000	04/08/19	MORGAN STANLEY & CO INC, NY	300.00	185,026.59	193,922.28	(8,895.69)	0.00
936214	163092109	CHEGG INC	4,500.000	05/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	161,526.85	174,530.05	(13,003.20)	0.00
936214	163092109	CHEGG INC	3,500.000	05/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	127,222.36	135,745.60	(8,523.24)	0.00
936214	163092109	CHEGG INC	1,500.000	05/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	53,599.74	58,176.68	(4,576.94)	0.00
936214	163092109	CHEGG INC	4,100.000	08/28/19	INSTINET CLEARING SER INC, NEW YORK	164.00	165,300.78	168,886.64	(3,585.86)	0.00
936214	163092109	CHEGG INC	11,000.000	09/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	110.00	414,044.63	453,110.51	(39,065.88)	0.00
936214	163092109	CHEGG INC	5,000.000	09/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	180,385.26	205,959.32	(25,574.06)	0.00
936214	163092109	CHEGG INC	7,200.000	09/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	72.00	250,471.29	296,581.43	(46,110.14)	0.00
936214	163092109	CHEGG INC	13,700.000	09/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	137.00	454,877.16	564,328.54	(109,451.38)	0.00
936214	163092109	CHEGG INC	6,000.000	01/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	384,595.60	394,560.00	(9,964.40)	4,550.00
936214	171340102	CHURCH & DWIGHT CO INC	3,500.000	01/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	224,416.03	230,160.00	(5,743.97)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	3,000.000	01/28/19	MORGAN STANLEY & CO INC, NY	180.00	189,928.42	197,280.00	(7,351.58)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	3,000.000	02/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	193,436.88	197,280.00	(3,843.12)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	2,500.000	02/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	158,715.69	164,400.00	(5,684.31)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	2,000.000	02/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	127,210.55	131,520.00	(4,309.45)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	2,000.000	02/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	129,241.92	131,520.00	(2,278.08)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	4,000.000	02/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	258,269.04	263,040.00	(4,770.96)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	1,500.000	02/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	96,943.88	98,640.00	(1,696.12)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	4,000.000	02/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	259,746.22	263,040.00	(3,293.78)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	4,000.000	02/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	261,305.00	263,040.00	(1,735.00)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	4,500.000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	295,511.16	295,920.00	(408.84)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	8,500.000	03/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	85.00	333,762.61	309,081.19	24,681.42	0.00
936214	171779309	CIENA CORP	10,000.000	03/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	383,762.01	363,624.93	20,137.08	0.00
936214	171779309	CIENA CORP	6,000.000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	226,169.46	218,174.96	7,994.50	0.00
936214	171779309	CIENA CORP	3,000.000	04/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	111,686.74	109,087.48	2,599.26	0.00
936214	171779309	CIENA CORP	3,000.000	04/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	111,218.45	109,087.48	2,130.97	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	171779309	CIENA CORP	3,000.000	05/08/19	MORGAN STANLEY & CO INC, NY	180.00	108,100.65	110,654.56	(2,553.91)	0.00
936214	171779309	CIENA CORP	5,000.000	05/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	172,497.43	184,424.27	(11,926.84)	0.00
936214	171779309	CIENA CORP	5,600.000	05/14/19	MORGAN STANLEY & CO INC, NY	336.00	186,189.41	206,555.17	(20,365.77)	0.00
936214	171779309	CIENA CORP	8,000.000	05/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	80.00	274,818.31	295,078.83	(20,260.52)	0.00
936214	171779309	CIENA CORP	8,400.000	05/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	84.00	295,172.41	309,832.77	(14,660.36)	0.00
936214	171779309	CIENA CORP	2,000.000	05/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	99,119.15	110,031.39	(10,912.24)	2,557.50
936214	199908104	COMFORT SYSTEMS USA INC	5,200.000	05/14/19	MORGAN STANLEY & CO INC, NY	312.00	247,441.55	286,081.61	(38,640.06)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	05/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	48,748.79	55,015.69	(6,266.90)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	1,000.000	05/21/19	MORGAN STANLEY & CO INC, NY	60.00	49,127.88	55,015.69	(5,887.81)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	1,500.000	05/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	73,983.57	82,523.54	(8,539.97)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	3,500.000	05/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	172,461.73	192,554.18	(20,093.20)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	3,300.000	05/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	165.00	162,560.90	181,551.80	(18,990.90)	0.00
936214	199908104	COMFORT SYSTEMS USA INC	500.000	10/07/19	INSTINET CLEARING SER INC, NEW YORK	20.00	297,841.88	237,287.10	60,554.78	0.00
936214	22160N109	COSTAR GROUP INC	500.000	10/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	290,531.34	237,287.10	53,244.24	0.00
936214	22160N109	COSTAR GROUP INC	500.000	10/23/19	MORGAN STANLEY & CO INC, NY	30.00	270,353.50	237,287.11	33,066.39	0.00
936214	22160N109	COSTAR GROUP INC	500.000	10/25/19	INSTINET CLEARING SER INC, NEW YORK	20.00	284,155.91	237,287.10	46,868.81	0.00
936214	22160N109	COSTAR GROUP INC	500.000	11/04/19	MORGAN STANLEY & CO INC, NY	30.00	273,098.94	237,287.11	35,811.83	0.00
936214	22160N109	COSTAR GROUP INC	500.000	12/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	296,340.56	237,287.10	59,053.46	0.00
936214	22160N109	COSTAR GROUP INC	700.000	12/16/19	INSTINET CLEARING SER INC, NEW YORK	28.00	413,432.37	332,201.95	81,230.42	0.00
936214	22160N109	COSTAR GROUP INC	300.000	12/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	3.00	177,544.66	142,372.26	35,172.40	0.00
936214	22160N109	COSTAR GROUP INC	500.000	12/19/19	INSTINET CLEARING SER INC, NEW YORK	20.00	296,671.65	237,287.11	59,384.54	0.00
936214	22160N109	COSTAR GROUP INC	500.000	12/20/19	MORGAN STANLEY & CO INC, NY	30.00	296,821.50	237,287.10	59,534.40	0.00
936214	22160N109	COSTAR GROUP INC	1,000.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	596,668.55	474,574.21	122,094.34	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,000.000	01/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	107,198.60	108,877.42	(1,678.82)	65,160.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,500.000	05/01/19	MORGAN STANLEY & CO INC, NY	90.00	187,582.66	173,821.45	13,761.21	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,000.000	05/07/19	INSTINET CLEARING SER INC, NEW YORK	80.00	247,533.47	231,761.93	15,771.54	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,000.000	05/21/19	MORGAN STANLEY & CO INC, NY	60.00	125,110.50	115,880.97	9,229.53	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	3,000.000	07/19/19	MORGAN STANLEY & CO INC, NY	180.00	380,524.71	363,223.24	17,301.47	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,000.000	07/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	125,996.69	121,074.41	4,922.28	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	4,500.000	10/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	616,376.54	611,019.86	5,356.68	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,500.000	10/16/19	MORGAN STANLEY & CO INC, NY	150.00	333,988.08	339,455.48	(5,466.40)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,500.000	10/23/19	MORGAN STANLEY & CO INC, NY	125.00	350,484.49	339,455.47	11,029.02	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	3,000.000	11/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	406,697.97	407,346.57	(648.60)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	7,000.000	11/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	70.00	911,288.03	950,475.33	(39,187.30)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,500.000	11/07/19	MORGAN STANLEY & CO INC, NY	90.00	197,873.05	203,673.29	(5,800.24)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	2,500.000	11/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	342,692.91	339,455.48	3,237.43	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,500.000	11/25/19	MORGAN STANLEY & CO INC, NY	90.00	196,687.02	203,673.28	(6,986.26)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,500.000	11/27/19	INSTINET CLEARING SER INC, NEW YORK	60.00	201,255.48	203,673.29	(2,417.81)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,700.000	12/11/19	MORGAN STANLEY & CO INC, NY	102.00	228,662.26	230,829.72	(2,167.46)	0.00
936214	22822V101	CROWN CASTLE INTERNATIONAL COR	1,800.000	12/18/19	MORGAN STANLEY & CO INC, NY	108.00	243,510.47	244,407.94	(897.47)	0.00
936214	243537107	DECKERS OUTDOOR CORP	1,000.000	01/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	126,190.75	127,950.00	(1,759.25)	0.00
936214	243537107	DECKERS OUTDOOR CORP	3,500.000	01/10/19	MERRILL LYNCH PIERCE FENNER & SMITH	34.99	406,437.83	447,825.00	(41,387.17)	0.00
936214	243537107	DECKERS OUTDOOR CORP	1,500.000	01/11/19	MERRILL LYNCH PIERCE FENNER & SMITH	15.00	169,453.70	191,925.00	(22,471.30)	0.00
936214	243537107	DECKERS OUTDOOR CORP	1,000.000	01/14/19	MERRILL LYNCH PIERCE FENNER & SMITH	10.00	114,953.01	127,950.00	(12,996.99)	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	243537107	DECKERS OUTDOOR CORP	2,000,000	01/15/19	MORGAN STANLEY & CO INC, NY	120.00	226,681.85	255,900.00	(29,218.15)	0.00
936214	243537107	DECKERS OUTDOOR CORP	2,000,000	01/16/19	MERRILL LYNCH PIERCE FENNER & SMITH	20.00	226,198.86	255,900.00	(29,701.14)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	10,000,000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	847,269.46	829,700.05	17,569.41	26,424.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,500,000	08/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	278,930.22	290,395.02	(11,464.80)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,000,000	08/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	232,682.58	248,910.01	(16,227.43)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	2,400,000	08/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	24.00	185,596.32	199,128.01	(13,531.69)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,800,000	08/28/19	INSTINET CLEARING SER INC, NEW YORK	152.00	300,169.84	315,286.02	(15,116.18)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	5,000,000	09/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	391,092.89	414,850.02	(23,757.13)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,000,000	10/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	234,390.24	248,214.84	(13,824.60)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	5,500,000	10/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	55.00	421,106.48	455,060.54	(33,954.06)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	2,500,000	11/25/19	MORGAN STANLEY & CO INC, NY	150.00	211,243.37	206,845.70	4,397.67	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	3,000,000	12/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	246,183.90	248,214.84	(2,030.94)	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	6,200,000	12/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	62.00	518,615.54	512,977.35	5,638.19	0.00
936214	254709108	DISCOVER FINANCIAL SERVICES	6,500,000	03/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	65.00	176,621.55	174,775.97	1,845.58	0.00
936214	25470F104	DISCOVERY INC	6,000,000	03/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	163,326.28	161,331.67	1,994.61	0.00
936214	25470F104	DISCOVERY INC	18,000,000	03/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	180.00	479,261.77	483,995.00	(4,733.23)	0.00
936214	25470F104	DISCOVERY INC	19,800,000	05/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	198.00	544,455.07	556,656.25	(12,201.18)	0.00
936214	25470F104	DISCOVERY INC	22,500,000	08/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	225.00	665,450.72	663,763.40	1,687.32	0.00
936214	25470F104	DISCOVERY INC	45,000,000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	450.00	1,332,507.91	1,327,526.81	4,981.10	0.00
936214	25470F104	DISCOVERY INC	24,000,000	08/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	240.00	702,669.45	708,014.30	(5,344.85)	0.00
936214	25470F104	DISCOVERY INC	5,000,000	08/13/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	148,774.41	147,502.98	1,271.43	0.00
936214	25470F104	DISCOVERY INC	7,500,000	08/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	75.00	208,041.19	221,254.47	(13,213.28)	0.00
936214	25470F104	DISCOVERY INC	5,000,000	08/15/19	MORGAN STANLEY & CO INC, NY	300.00	134,141.21	147,502.98	(13,361.77)	0.00
936214	25470F104	DISCOVERY INC	6,500,000	08/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	65.00	186,043.05	191,753.87	(5,710.82)	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500,000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	268,138.65	264,419.07	3,719.58	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000,000	04/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	177,845.52	176,279.38	1,566.14	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	2,000,000	05/01/19	MORGAN STANLEY & CO INC, NY	120.00	350,714.33	352,558.75	(1,844.42)	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,000,000	05/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	179,022.49	176,279.38	2,743.11	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500,000	05/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	260,427.31	264,419.07	(3,991.76)	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500,000	05/30/19	INSTINET CLEARING SER INC, NEW YORK	60.00	253,455.90	264,419.07	(10,963.17)	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	500,000	07/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	92,882.62	88,139.69	4,742.93	0.00
936214	28176E108	EDWARDS LIFESCIENCES CORP	1,500,000	10/23/19	INSTINET CLEARING SER INC, NEW YORK	60.00	337,663.55	299,747.75	37,915.80	0.00
936214	29414B104	EPAM SYSTEMS INC	1,000,000	10/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	176,381.05	192,290.11	(15,909.06)	0.00
936214	29414B104	EPAM SYSTEMS INC	2,000,000	11/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	356,510.02	384,580.21	(28,070.19)	0.00
936214	29414B104	EPAM SYSTEMS INC	1,000,000	11/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	177,239.63	192,290.11	(15,050.48)	0.00
936214	29786A106	ETSY INC	4,500,000	04/16/19	MORGAN STANLEY & CO INC, NY	270.00	300,263.02	233,203.68	67,059.34	0.00
936214	29786A106	ETSY INC	3,000,000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	197,088.42	155,469.12	41,619.30	0.00
936214	29786A106	ETSY INC	6,800,000	05/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	340.00	393,518.72	352,396.66	41,122.06	0.00
936214	29786A106	ETSY INC	5,000,000	06/05/19	MORGAN STANLEY & CO INC, NY	300.00	306,977.13	259,115.19	47,861.94	0.00
936214	29786A106	ETSY INC	2,700,000	07/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	135.00	165,734.17	139,922.21	25,811.96	0.00
936214	29786A106	ETSY INC	4,000,000	07/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	246,678.49	207,292.16	39,386.33	0.00
936214	29786A106	ETSY INC	6,000,000	08/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	300.00	349,191.56	346,051.25	3,140.31	0.00
936214	29786A106	ETSY INC	200,000	08/13/19	MORGAN STANLEY & CO INC, NY	12.00	11,243.32	11,535.04	(291.72)	0.00
936214	29786A106	ETSY INC	1,800,000	08/14/19	INSTINET CLEARING SER INC, NEW YORK	72.00	95,291.82	103,815.37	(8,523.55)	0.00

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936214	29786A106	ETSY INC	5,000.000	08/15/19	MORGAN STANLEY & CO INC, NY	300.00	257,613.16	288,376.04	(30,762.88)	0.00
936214	29786A106	ETSY INC	10,000.000	08/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	526,817.09	576,752.08	(49,934.99)	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	01/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	151,815.57	153,570.00	(1,754.43)	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	01/10/19	INSTINET CLEARING SER INC, NEW YORK	60.00	155,698.42	153,570.00	2,128.42	0.00
936214	298736109	EURONET WORLDWIDE INC	2,000.000	07/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	302,629.54	236,560.82	66,068.72	0.00
936214	298736109	EURONET WORLDWIDE INC	2,000.000	07/25/19	MORGAN STANLEY & CO INC, NY	120.00	310,726.96	236,560.82	74,166.14	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	07/29/19	MORGAN STANLEY & CO INC, NY	90.00	236,971.69	177,420.61	59,551.08	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	07/30/19	INSTINET CLEARING SER INC, NEW YORK	60.00	233,647.76	177,420.62	56,227.15	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	07/31/19	MORGAN STANLEY & CO INC, NY	90.00	237,297.93	177,420.62	59,877.31	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	08/08/19	MORGAN STANLEY & CO INC, NY	90.00	233,794.75	177,420.61	56,374.14	0.00
936214	298736109	EURONET WORLDWIDE INC	1,000.000	08/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	154,240.60	118,280.41	35,960.19	0.00
936214	298736109	EURONET WORLDWIDE INC	1,500.000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	226,509.26	177,420.62	49,088.64	0.00
936214	298736109	EURONET WORLDWIDE INC	1,300.000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	13.00	199,366.99	153,764.53	45,602.46	0.00
936214	298736109	EURONET WORLDWIDE INC	2,500.000	09/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	361,141.77	295,701.02	65,440.75	0.00
936214	298736109	EURONET WORLDWIDE INC	1,000.000	09/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	144,744.90	118,280.41	26,464.49	0.00
936214	298736109	EURONET WORLDWIDE INC	3,700.000	09/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	37.00	536,259.50	437,637.52	98,621.98	0.00
936214	298736109	EURONET WORLDWIDE INC	6,400.000	05/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	64.00	409,616.48	433,268.58	(23,652.10)	12,470.00
936214	311900104	FASTENAL CO	10,000.000	06/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	312,983.52	338,491.08	(25,507.56)	0.00
936214	311900104	FASTENAL CO	6,200.000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	62.00	202,387.99	209,864.47	(7,476.48)	0.00
936214	311900104	FASTENAL CO	5,000.000	06/27/19	MORGAN STANLEY & CO INC, NY	300.00	159,669.68	169,245.54	(9,575.86)	0.00
936214	311900104	FASTENAL CO	3,000.000	07/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	96,419.20	101,547.32	(5,128.12)	0.00
936214	311900104	FASTENAL CO	4,000.000	07/11/19	INSTINET CLEARING SER INC, NEW YORK	160.00	119,101.13	135,396.43	(16,295.30)	0.00
936214	311900104	FASTENAL CO	7,500.000	07/12/19	INSTINET CLEARING SER INC, NEW YORK	300.00	231,471.45	253,868.31	(22,396.86)	0.00
936214	311900104	FASTENAL CO	15,500.000	07/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	155.00	485,683.99	524,681.17	(38,977.18)	0.00
936214	34959J108	FORTIVE CORP	3,000.000	06/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	225,384.43	257,480.10	(32,095.67)	595.00
936214	34959J108	FORTIVE CORP	1,000.000	06/10/19	INSTINET CLEARING SER INC, NEW YORK	40.00	79,068.06	85,826.70	(6,758.64)	0.00
936214	370334104	GENERAL MILLS INC	4,500.000	06/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	357,025.31	386,220.15	(29,194.84)	0.00
936214	370334104	GENERAL MILLS INC	10,000.000	10/25/19	INSTINET CLEARING SER INC, NEW YORK	400.00	501,746.60	541,272.36	(39,525.76)	24,010.00
936214	370334104	GENERAL MILLS INC	4,500.000	10/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	226,571.66	243,572.56	(17,000.90)	0.00
936214	370334104	GENERAL MILLS INC	3,500.000	11/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	178,992.59	189,445.32	(10,452.73)	0.00
936214	370334104	GENERAL MILLS INC	3,000.000	11/04/19	MORGAN STANLEY & CO INC, NY	180.00	153,607.61	162,381.71	(8,774.10)	0.00
936214	370334104	GENERAL MILLS INC	4,000.000	11/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	208,392.08	216,508.94	(8,116.86)	0.00
936214	370334104	GENERAL MILLS INC	2,500.000	12/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	133,055.75	135,318.09	(2,262.34)	0.00
936214	370334104	GENERAL MILLS INC	4,000.000	12/18/19	MORGAN STANLEY & CO INC, NY	240.00	210,973.62	216,508.94	(5,535.32)	0.00
936214	370334104	GENERAL MILLS INC	2,500.000	12/19/19	INSTINET CLEARING SER INC, NEW YORK	100.00	132,690.75	135,318.09	(2,627.34)	0.00
936214	370334104	GENERAL MILLS INC	2,000.000	12/23/19	MORGAN STANLEY & CO INC, NY	120.00	105,173.62	108,254.47	(3,080.85)	0.00
936214	370334104	GENERAL MILLS INC	6,500.000	12/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	65.00	343,220.84	351,827.04	(8,606.20)	0.00
936214	370334104	GENERAL MILLS INC	6,500.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	64.99	344,137.98	351,827.03	(7,689.05)	0.00
936214	37244C101	GENOMIC HEALTH INC	5,000.000	03/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	355,476.38	340,972.53	14,503.85	0.00
936214	37244C101	GENOMIC HEALTH INC	2,500.000	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	167,466.32	170,486.27	(3,019.95)	0.00
936214	37244C101	GENOMIC HEALTH INC	3,000.000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	205,701.33	204,583.52	1,117.81	0.00
936214	37244C101	GENOMIC HEALTH INC	3,000.000	04/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	208,520.69	204,583.52	3,937.17	0.00
936214	37244C101	GENOMIC HEALTH INC	5,000.000	04/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	200.00	342,865.54	340,972.53	1,893.01	0.00
936214	37244C101	GENOMIC HEALTH INC		04/05/19	INSTINET CLEARING SER INC, NEW YORK					

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936214	431475102	HILL-ROM HOLDINGS INC	5,500.000	04/17/19	MORGAN STANLEY & CO INC, NY	330.00	527,008.98	514,566.27	12,442.71	3,255.00
936214	431475102	HILL-ROM HOLDINGS INC	1,500.000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	144,489.01	140,336.25	4,152.76	0.00
936214	431475102	HILL-ROM HOLDINGS INC	1,000.000	05/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	100,272.92	93,557.50	6,715.42	0.00
936214	431475102	HILL-ROM HOLDINGS INC	3,000.000	05/14/19	MORGAN STANLEY & CO INC, NY	180.00	292,998.83	280,672.51	12,326.32	0.00
936214	431475102	HILL-ROM HOLDINGS INC	1,500.000	05/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	144,697.95	140,336.26	4,361.69	0.00
936214	431475102	HILL-ROM HOLDINGS INC	4,500.000	05/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	437,570.49	421,008.76	16,561.73	0.00
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	06/27/19	MORGAN STANLEY & CO INC, NY	90.00	329,036.48	345,158.18	(16,121.70)	0.00
936214	44919P508	IAC/INTERACTIVECORP	500.000	07/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	111,034.20	115,052.73	(4,018.53)	0.00
936214	44919P508	IAC/INTERACTIVECORP	3,000.000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	662,829.08	708,943.96	(46,114.88)	0.00
936214	44919P508	IAC/INTERACTIVECORP	1,000.000	10/03/19	INSTINET CLEARING SER INC, NEW YORK	40.00	218,970.26	236,314.65	(17,344.39)	0.00
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	11/27/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	327,993.55	351,129.21	(23,135.66)	0.00
936214	44919P508	IAC/INTERACTIVECORP	4,000.000	11/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	899,599.78	936,344.57	(36,744.79)	0.00
936214	44919P508	IAC/INTERACTIVECORP	2,000.000	11/25/19	MORGAN STANLEY & CO INC, NY	120.00	441,191.26	468,172.29	(26,981.03)	0.00
936214	44919P508	IAC/INTERACTIVECORP	1,500.000	01/28/19	MORGAN STANLEY & CO INC, NY	90.00	333,146.70	351,129.21	(17,982.51)	0.00
936214	452327109	ILLUMINA INC	500.000	01/28/19	MORGAN STANLEY & CO INC, NY	30.00	143,877.57	150,622.53	(6,744.96)	0.00
936214	452327109	ILLUMINA INC	1,300.000	01/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	13.00	354,593.40	391,618.59	(37,025.19)	0.00
936214	452327109	ILLUMINA INC	1,200.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	11.99	334,300.54	361,494.08	(27,193.54)	0.00
936214	45688C107	INGEVITY CORP	500.000	03/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	52,426.82	57,548.61	(5,121.79)	0.00
936214	45688C107	INGEVITY CORP	1,000.000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	106,069.62	115,097.21	(9,027.59)	0.00
936214	45688C107	INGEVITY CORP	1,500.000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	163,226.68	172,645.82	(9,419.14)	0.00
936214	45688C107	INGEVITY CORP	1,000.000	04/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	112,138.44	115,097.21	(2,958.77)	0.00
936214	458140100	INTEL CORP	6,500.000	01/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	325.00	301,255.47	305,045.00	(3,789.53)	4,252.50
936214	458140100	INTEL CORP	2,500.000	01/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	116,121.73	117,325.00	(1,203.27)	0.00
936214	458140100	INTEL CORP	1,500.000	01/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	14.99	70,573.94	70,395.00	178.94	0.00
936214	458140100	INTEL CORP	4,500.000	02/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	224,680.27	211,185.00	13,495.27	0.00
936214	458140100	INTEL CORP	4,500.000	02/07/19	MORGAN STANLEY & CO INC, NY	270.00	220,208.68	211,185.00	9,023.68	0.00
936214	458140100	INTEL CORP	4,500.000	02/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	217,745.42	211,185.00	6,560.42	0.00
936214	532457108	ELI LILLY & CO	3,000.000	01/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	29.99	346,133.71	347,160.00	(1,026.29)	11,932.50
936214	532457108	ELI LILLY & CO	2,000.000	01/14/19	MORGAN STANLEY & CO INC, NY	120.00	228,922.22	231,440.00	(2,517.78)	0.00
936214	532457108	ELI LILLY & CO	1,000.000	01/15/19	INSTINET CLEARING SER INC, NEW YORK	40.00	117,927.86	115,720.00	2,207.86	0.00
936214	532457108	ELI LILLY & CO	2,000.000	01/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	228,984.62	231,440.00	(2,455.38)	0.00
936214	532457108	ELI LILLY & CO	2,000.000	02/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	238,279.30	232,342.46	5,936.84	0.00
936214	532457108	ELI LILLY & CO	1,500.000	02/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	183,001.82	174,256.85	8,744.97	0.00
936214	532457108	ELI LILLY & CO	3,000.000	04/11/19	INSTINET CLEARING SER INC, NEW YORK	120.00	375,808.71	348,513.70	27,295.01	0.00
936214	532457108	ELI LILLY & CO	2,500.000	04/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	310,074.71	290,428.08	19,646.63	0.00
936214	532457108	ELI LILLY & CO	3,000.000	04/16/19	MORGAN STANLEY & CO INC, NY	180.00	370,907.51	348,513.70	22,393.81	0.00
936214	532457108	ELI LILLY & CO	3,500.000	04/17/19	MORGAN STANLEY & CO INC, NY	210.00	408,914.03	406,599.31	2,314.72	0.00
936214	532457108	ELI LILLY & CO	3,000.000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	353,709.78	348,513.70	5,196.08	0.00
936214	57636Q104	MASTERCARD INC	1,500.000	05/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	369,559.05	294,709.60	74,849.45	0.00
936214	57636Q104	MASTERCARD INC	1,500.000	10/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	408,600.54	315,119.33	93,481.21	0.00
936214	57636Q104	MASTERCARD INC	1,500.000	10/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	389,934.62	315,119.33	74,815.29	0.00
936214	57636Q104	MASTERCARD INC	1,500.000	10/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	406,625.08	315,119.34	91,505.74	0.00
936214	58933Y105	MERCK & CO INC	3,500.000	01/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	34.99	258,955.69	267,435.00	(8,479.31)	0.00
936214	58933Y105	MERCK & CO INC	4,500.000	01/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	333,931.65	343,845.00	(9,913.35)	0.00

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936214	58933Y105	MERCK & CO INC	5,500,000	01/24/19	INSTINET CLEARING SER INC, NEW YORK	260.00	481,584.58	496,665.00	(15,080.42)	0.00
936214	58933Y105	MERCK & CO INC	4,000,000	01/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	292,447.00	305,640.00	(13,193.00)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	01/28/19	MORGAN STANLEY & CO INC, NY	120.00	144,101.52	152,820.00	(8,718.48)	0.00
936214	58933Y105	MERCK & CO INC	4,500,000	02/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	346,144.50	343,845.00	2,299.50	0.00
936214	58933Y105	MERCK & CO INC	3,000,000	02/06/19	MORGAN STANLEY & CO INC, NY	180.00	232,071.28	229,230.00	2,841.28	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	02/07/19	MORGAN STANLEY & CO INC, NY	120.00	152,589.01	152,820.00	(230.99)	0.00
936214	58933Y105	MERCK & CO INC	4,000,000	02/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	309,455.18	305,640.00	3,815.18	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	09/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	163,848.60	171,130.36	(7,281.76)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	09/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	167,238.73	171,130.36	(3,891.63)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	11/04/19	INSTINET CLEARING SER INC, NEW YORK	80.00	168,813.10	171,000.49	(2,187.39)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	02/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	207,221.91	203,140.00	4,081.91	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	02/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	211,783.24	203,140.00	8,643.24	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	02/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	211,166.45	203,140.00	8,026.45	0.00
936214	58933Y105	MERCK & CO INC	1,500,000	02/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	161,765.40	152,355.00	9,410.40	0.00
936214	58933Y105	MERCK & CO INC	4,500,000	02/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	485,918.53	457,065.00	28,853.53	0.00
936214	58933Y105	MERCK & CO INC	3,000,000	08/15/19	INSTINET CLEARING SER INC, NEW YORK	120.00	400,274.51	363,334.85	36,939.66	0.00
936214	58933Y105	MERCK & CO INC	3,000,000	10/07/19	INSTINET CLEARING SER INC, NEW YORK	120.00	412,462.95	368,604.80	43,858.15	0.00
936214	58933Y105	MERCK & CO INC	4,500,000	10/23/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	612,662.31	552,907.19	59,755.12	0.00
936214	58933Y105	MERCK & CO INC	8,400,000	05/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	420.00	704,987.31	723,476.96	(18,489.65)	0.00
936214	58933Y105	MERCK & CO INC	4,000,000	05/21/19	MORGAN STANLEY & CO INC, NY	240.00	327,092.02	344,512.84	(17,420.82)	0.00
936214	58933Y105	MERCK & CO INC	4,000,000	05/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	328,057.61	344,512.83	(16,455.22)	0.00
936214	58933Y105	MERCK & CO INC	2,500,000	05/30/19	INSTINET CLEARING SER INC, NEW YORK	100.00	203,445.53	215,320.52	(11,874.99)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	06/13/19	MORGAN STANLEY & CO INC, NY	120.00	168,127.71	172,256.42	(4,128.71)	0.00
936214	58933Y105	MERCK & CO INC	1,500,000	06/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	123,896.38	129,192.31	(5,295.93)	0.00
936214	58933Y105	MERCK & CO INC	1,000,000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	85,839.52	86,128.21	(288.69)	0.00
936214	58933Y105	MERCK & CO INC	3,500,000	08/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	315,637.81	304,122.14	11,515.67	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	168,624.11	173,784.08	(5,159.97)	0.00
936214	58933Y105	MERCK & CO INC	5,100,000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	51.00	442,167.99	443,149.41	(981.42)	0.00
936214	58933Y105	MERCK & CO INC	5,000,000	09/03/19	INSTINET CLEARING SER INC, NEW YORK	200.00	422,326.25	434,460.21	(12,133.96)	0.00
936214	58933Y105	MERCK & CO INC	700,000	01/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	35.00	82,216.31	81,354.00	862.31	0.00
936214	58933Y105	MERCK & CO INC	1,000,000	02/12/19	INSTINET CLEARING SER INC, NEW YORK	40.00	126,914.54	126,073.37	841.17	0.00
936214	58933Y105	MERCK & CO INC	8,100,000	03/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	81.00	1,060,398.52	1,069,772.73	(9,374.21)	0.00
936214	58933Y105	MERCK & CO INC	7,000,000	03/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	70.00	936,282.63	924,494.95	11,787.68	0.00
936214	58933Y105	MERCK & CO INC	2,500,000	06/27/19	MORGAN STANLEY & CO INC, NY	150.00	349,261.76	386,763.25	(37,501.49)	0.00
936214	58933Y105	MERCK & CO INC	2,500,000	06/28/19	MORGAN STANLEY & CO INC, NY	150.00	351,356.72	386,763.25	(35,406.53)	0.00
936214	58933Y105	MERCK & CO INC	1,000,000	11/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	221,962.60	226,247.06	(4,284.46)	0.00
936214	58933Y105	MERCK & CO INC	2,500,000	04/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	191,591.76	194,740.78	(3,149.02)	9,855.00
936214	58933Y105	MERCK & CO INC	5,000,000	05/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	390,576.91	393,633.14	(3,056.23)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	06/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	143,292.23	157,453.25	(14,161.02)	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	07/11/19	INSTINET CLEARING SER INC, NEW YORK	80.00	166,903.34	157,932.43	8,970.91	0.00
936214	58933Y105	MERCK & CO INC	2,000,000	07/19/19	MORGAN STANLEY & CO INC, NY	120.00	163,717.60	157,932.43	5,785.17	0.00
936214	58933Y105	MERCK & CO INC	1,500,000	07/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	123,212.10	118,449.32	4,762.78	0.00
936214	58933Y105	MERCK & CO INC	3,000,000	08/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	226,612.90	236,898.65	(10,285.75)	0.00
936214	58933Y105	MERCK & CO INC	2,500,000	08/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	186,963.88	197,415.54	(10,451.66)	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	688239201	OSHKOSH CORP	9,500.000	08/13/19	MORGAN STANLEY & CO INC, NY	570.00	691,670.22	750,179.06	(58,508.84)	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,500.000	05/08/19	MORGAN STANLEY & CO INC, NY	90.00	357,453.69	346,909.22	10,544.47	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,800.000	05/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	90.00	403,284.34	416,291.07	(13,006.73)	0.00
936214	697435105	PALO ALTO NETWORKS INC	2,200.000	05/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	110.00	490,594.02	508,800.19	(18,206.17)	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	05/17/19	INSTINET CLEARING SER INC, NEW YORK	40.00	225,991.52	231,272.82	(5,281.30)	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	05/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	224,503.75	231,272.81	(6,769.06)	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	05/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	216,867.20	231,272.82	(14,405.62)	0.00
936214	697435105	PALO ALTO NETWORKS INC	1,000.000	05/30/19	INSTINET CLEARING SER INC, NEW YORK	40.00	204,981.05	231,272.81	(26,291.76)	0.00
936214	697435105	PALO ALTO NETWORKS INC	4,000.000	05/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	200.00	803,972.15	925,091.26	(121,119.11)	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	4,500.000	06/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	527,606.88	399,929.60	127,677.28	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	2,500.000	06/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	291,070.47	222,183.11	68,887.36	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	4,000.000	07/30/19	INSTINET CLEARING SER INC, NEW YORK	160.00	447,267.13	360,005.00	87,262.13	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	2,000.000	07/31/19	MORGAN STANLEY & CO INC, NY	120.00	223,154.57	180,002.50	43,152.07	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	2,000.000	08/08/19	MORGAN STANLEY & CO INC, NY	120.00	213,673.97	180,002.50	33,671.47	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	200.000	08/13/19	MORGAN STANLEY & CO INC, NY	12.00	21,295.33	18,000.25	3,295.08	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	1,800.000	08/14/19	INSTINET CLEARING SER INC, NEW YORK	72.00	185,604.59	162,002.25	23,602.34	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	3,000.000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	320,065.47	270,003.75	50,061.72	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	3,500.000	09/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	361,439.62	315,004.38	46,435.24	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	1,000.000	09/24/19	MORGAN STANLEY & CO INC, NY	60.00	103,259.56	90,001.25	13,258.31	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	2,000.000	09/25/19	MORGAN STANLEY & CO INC, NY	120.00	205,406.34	180,002.50	25,403.84	0.00
936214	70450Y103	PAYPAL HOLDINGS INC	5,000.000	10/09/19	INSTINET CLEARING SER INC, NEW YORK	200.00	499,716.15	450,006.25	49,709.90	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	3,000.000	01/28/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	280,108.75	275,760.00	4,348.75	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	2,500.000	02/01/19	INSTINET CLEARING SER INC, NEW YORK	100.00	242,806.34	229,800.00	13,006.34	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	4,000.000	05/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	261,057.85	229,800.00	31,257.85	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	3,000.000	10/16/19	MORGAN STANLEY & CO INC, NY	240.00	423,753.22	367,680.00	56,073.22	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	2,500.000	10/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	180.00	351,787.41	310,959.50	40,827.91	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	2,500.000	11/04/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	292,737.93	259,132.91	33,605.02	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	1,800.000	12/11/19	MORGAN STANLEY & CO INC, NY	108.00	224,390.55	186,575.70	37,814.85	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	2,000.000	12/19/19	INSTINET CLEARING SER INC, NEW YORK	80.00	249,524.63	207,306.33	42,218.30	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	3,000.000	12/31/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	29.99	372,693.99	310,959.50	61,734.49	0.00
936214	743315103	PROGRESSIVE CORP/THE	6,000.000	05/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	437,669.34	403,517.79	34,151.55	56,653.00
936214	743315103	PROGRESSIVE CORP/THE	14,000.000	08/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	700.00	1,077,846.07	991,127.57	86,718.50	0.00
936214	743315103	PROGRESSIVE CORP/THE	4,000.000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	301,652.55	283,179.30	18,473.25	0.00
936214	743315103	PROGRESSIVE CORP/THE	3,700.000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	37.00	278,384.09	281,940.86	16,443.23	0.00
936214	743315103	PROGRESSIVE CORP/THE	5,000.000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	377,448.69	353,974.13	23,474.56	0.00
936214	743315103	PROGRESSIVE CORP/THE	1,500.000	09/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	113,886.49	106,192.24	7,694.25	0.00
936214	743315103	PROGRESSIVE CORP/THE	4,500.000	09/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	334,680.57	318,576.72	16,103.85	0.00
936214	743315103	PROGRESSIVE CORP/THE	9,800.000	10/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	490.00	701,506.70	693,789.29	7,717.41	0.00
936214	753422104	RAPID7 INC	2,000.000	08/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	108,539.35	125,518.74	(16,979.39)	0.00
936214	753422104	RAPID7 INC	8,000.000	08/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	400.00	427,052.75	502,074.97	(75,022.22)	0.00
936214	75886F107	REGENERON PHARMACEUTICALS INC	7,500.000	08/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	75.00	401,328.69	470,695.29	(69,366.60)	0.00
936214	75886F107	REGENERON PHARMACEUTICALS INC	600.000	04/11/19	INSTINET CLEARING SER INC, NEW YORK	24.00	239,441.82	246,655.90	(7,214.08)	0.00
936214	75886F107	REGENERON PHARMACEUTICALS INC	500.000	04/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	194,070.87	205,546.58	(11,475.71)	0.00

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936214	7586F107	REGENERON PHARMACEUTICALS INC	1,000,000	04/16/19	MORGAN STANLEY & CO INC, NY	60.00	373,909.65	411,093.16	(37,183.51)	0.00
936214	7586F107	REGENERON PHARMACEUTICALS INC	2,000,000	04/17/19	MORGAN STANLEY & CO INC, NY	120.00	698,409.14	822,186.33	(123,777.19)	0.00
936214	780287108	ROYAL GOLD INC	3,500,000	10/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	303,189.22	332,564.15	(29,374.93)	6,201.00
936214	780287108	ROYAL GOLD INC	2,500,000	10/23/19	MORGAN STANLEY & CO INC, NY	210.00	414,124.02	465,589.80	(51,465.78)	0.00
936214	780287108	ROYAL GOLD INC	3,000,000	10/25/19	INSTINET CLEARING SER INC, NEW YORK	120.00	358,015.88	399,076.97	(41,061.09)	0.00
936214	780287108	ROYAL GOLD INC	1,500,000	10/30/19	MORGAN STANLEY & CO INC, NY	90.00	172,505.27	199,538.49	(27,033.22)	0.00
936214	780287108	ROYAL GOLD INC	1,500,000	11/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	150.00	169,272.55	199,538.49	(30,265.94)	0.00
936214	780287108	ROYAL GOLD INC	3,000,000	11/04/19	MORGAN STANLEY & CO INC, NY	180.00	333,302.39	399,076.97	(65,774.58)	0.00
936214	780287108	ROYAL GOLD INC	2,500,000	11/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	274,526.07	332,564.15	(58,038.08)	0.00
936214	780287108	ROYAL GOLD INC	2,500,000	11/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	277,780.74	332,564.14	(54,783.40)	0.00
936214	780287108	ROYAL GOLD INC	1,500,000	11/07/19	MORGAN STANLEY & CO INC, NY	90.00	168,965.05	199,538.49	(30,573.44)	0.00
936214	780287108	ROYAL GOLD INC	2,000,000	11/11/19	MORGAN STANLEY & CO INC, NY	120.00	224,816.14	266,051.31	(41,235.17)	0.00
936214	780287108	ROYAL GOLD INC	1,500,000	11/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	168,517.16	199,538.49	(31,021.33)	0.00
936214	780287108	ROYAL GOLD INC	3,500,000	11/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	1,095,128.73	1,075,919.18	19,209.55	0.00
936214	78462F103	SPDR S&P 500 ETF TRUST	1,500,000	05/30/19	INSTINET CLEARING SER INC, NEW YORK	60.00	322,298.32	351,778.62	(29,480.30)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	3,000,000	05/31/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	615,419.85	703,557.24	(88,137.39)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	2,000,000	06/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	403,563.04	469,038.16	(65,475.12)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	2,000,000	06/05/19	MORGAN STANLEY & CO INC, NY	120.00	424,187.61	469,038.16	(44,850.55)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	1,500,000	06/10/19	INSTINET CLEARING SER INC, NEW YORK	60.00	324,163.68	351,778.62	(27,614.94)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	500,000	06/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	108,887.25	117,259.54	(8,372.29)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	1,000,000	06/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	214,461.16	234,519.08	(20,057.92)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	2,000,000	06/13/19	MORGAN STANLEY & CO INC, NY	120.00	433,051.63	469,038.16	(35,976.53)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	1,500,000	06/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	322,037.63	351,778.62	(29,740.99)	0.00
936214	78466Q101	SVB FINANCIAL GROUP	2,000,000	04/08/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	316,402.28	291,725.69	24,676.59	0.00
936214	78466Q101	SVB FINANCIAL GROUP	2,000,000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	320,193.56	291,725.69	28,467.87	0.00
936214	79466L302	SALESFORCE.COM INC	1,500,000	04/24/19	INSTINET CLEARING SER INC, NEW YORK	60.00	240,536.96	218,794.27	21,742.69	0.00
936214	79466L302	SALESFORCE.COM INC	2,000,000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	60.00	258,354.97	233,380.55	24,974.42	0.00
936214	79466L302	SALESFORCE.COM INC	1,500,000	04/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	16.00	430,368.44	408,415.97	21,952.47	0.00
936214	79466L302	SALESFORCE.COM INC	2,800,000	05/14/19	J.P. MORGAN SECURITIES INC, NEW YORK	140.00	388,364.20	364,657.12	23,707.08	0.00
936214	79466L302	SALESFORCE.COM INC	2,500,000	05/20/19	MORGAN STANLEY & CO INC, NY	150.00	148,832.01	145,862.85	2,969.16	0.00
936214	79466L302	SALESFORCE.COM INC	1,000,000	06/03/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	155,856.97	145,862.85	9,994.12	0.00
936214	79466L302	SALESFORCE.COM INC	1,000,000	06/05/19	MORGAN STANLEY & CO INC, NY	60.00	226,879.90	218,794.27	8,085.63	0.00
936214	79466L302	SALESFORCE.COM INC	1,500,000	06/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	75,227.69	72,931.42	2,296.27	0.00
936214	79466L302	SALESFORCE.COM INC	500,000	06/13/19	MORGAN STANLEY & CO INC, NY	30.00	150,786.58	145,862.85	4,923.73	0.00
936214	79466L302	SALESFORCE.COM INC	1,000,000	06/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	588,452.18	588,865.10	19,587.08	0.00
936214	79466L302	SALESFORCE.COM INC	3,900,000	06/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	195.00	513,102.18	567,092.91	(53,990.73)	0.00
936214	79466L302	SALESFORCE.COM INC	2,000,000	08/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	254,589.83	283,546.45	(28,956.62)	0.00
936214	79466L302	SALESFORCE.COM INC	1,000,000	08/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	184,787.84	198,482.52	(13,694.68)	0.00
936214	79466L302	SALESFORCE.COM INC	700,000	08/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	7.00	313,125.00	340,255.74	(27,130.74)	0.00
936214	79466L302	SALESFORCE.COM INC	1,200,000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	12.00	393,499.15	425,319.68	(31,820.53)	0.00
936214	81762P102	SERVICENOW INC	1,500,000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	177,570.99	198,482.52	(20,911.53)	0.00
936214	81762P102	SERVICENOW INC	700,000	09/10/19	INSTINET CLEARING SER INC, NEW YORK	28.00	128,372.34	141,773.22	(13,400.88)	0.00
936214	81762P102	SERVICENOW INC	500,000	09/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	250,942.20	283,546.45	(32,604.25)	0.00
936214	81762P102	SERVICENOW INC	1,000,000	09/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	231,544.24	255,191.81	(23,647.57)	0.00
936214	81762P102	SERVICENOW INC	900,000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	9.00				0.00

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936214	831865209	AO SMITH CORP	0.000	00/00/00		0.00	0.00	0.00	0.00	560.00
936214	833034101	SNAP-ON INC	2,000.000	11/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	316,176.05	329,481.26	(13,305.21)	12,960.00
936214	833034101	SNAP-ON INC	5,000.000	12/04/19	MORGAN STANLEY & CO INC, NY	300.00	793,451.56	823,703.15	(30,251.59)	0.00
936214	833034101	SNAP-ON INC	5,000.000	12/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	806,851.30	823,703.14	(16,851.84)	0.00
936214	854502101	STANLEY BLACK & DECKER INC	1,000.000	10/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	137,883.25	145,782.61	(7,899.36)	0.00
936214	854502101	STANLEY BLACK & DECKER INC	1,000.000	10/10/19	INSTINET CLEARING SER INC, NEW YORK	40.00	140,321.19	145,782.61	(5,461.42)	0.00
936214	854502101	STANLEY BLACK & DECKER INC	1,500.000	11/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	231,519.46	229,552.58	1,966.88	0.00
936214	855244109	STARBUCKS CORP	2,500.000	01/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	157,146.45	161,000.00	(3,853.55)	38,539.00
936214	855244109	STARBUCKS CORP	2,500.000	01/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	125.00	160,874.65	161,000.00	(125.35)	0.00
936214	855244109	STARBUCKS CORP	4,000.000	08/28/19	INSTINET CLEARING SER INC, NEW YORK	160.00	388,116.36	289,514.44	98,601.92	0.00
936214	855244109	STARBUCKS CORP	3,500.000	09/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	333,691.83	253,325.13	80,366.70	0.00
936214	855244109	STARBUCKS CORP	3,500.000	10/07/19	MORGAN STANLEY & CO INC, NY	210.00	300,454.42	253,325.13	47,129.29	0.00
936214	855244109	STARBUCKS CORP	3,000.000	10/09/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	258,017.75	217,135.83	40,881.92	0.00
936214	855244109	STARBUCKS CORP	3,500.000	10/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	292,084.00	253,325.13	38,758.87	0.00
936214	855244109	STARBUCKS CORP	3,500.000	11/12/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	292,956.18	253,325.13	39,631.05	0.00
936214	855244109	STARBUCKS CORP	3,000.000	11/25/19	MORGAN STANLEY & CO INC, NY	180.00	250,271.31	217,135.83	33,135.48	0.00
936214	855244109	STARBUCKS CORP	2,500.000	11/26/19	MORGAN STANLEY & CO INC, NY	150.00	210,886.88	180,946.52	29,940.36	0.00
936214	855244109	STARBUCKS CORP	4,500.000	12/09/19	INSTINET CLEARING SER INC, NEW YORK	180.00	385,282.02	325,703.75	59,578.27	0.00
936214	855244109	STARBUCKS CORP	2,000.000	12/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	172,885.22	144,757.22	28,128.00	0.00
936214	855244109	STARBUCKS CORP	3,600.000	12/11/19	MORGAN STANLEY & CO INC, NY	216.00	311,823.74	260,583.00	51,260.74	0.00
936214	855244109	STARBUCKS CORP	3,600.000	12/18/19	MORGAN STANLEY & CO INC, NY	216.00	316,546.48	260,583.00	55,963.49	0.00
936214	87165B103	SYNCHRONY FINANCIAL	10,000.000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	350,603.74	353,661.53	(3,057.79)	13,574.00
936214	87165B103	SYNCHRONY FINANCIAL	5,000.000	08/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	250.00	167,473.52	176,830.77	(9,357.24)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	5,000.000	08/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	167,840.02	176,830.77	(8,990.75)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	4,500.000	08/21/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	148,452.37	159,147.69	(10,695.32)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	7,000.000	08/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	70.00	222,502.29	247,563.07	(25,060.78)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	8,000.000	08/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	79.99	252,927.57	282,929.22	(30,001.65)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	7,000.000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	70.00	219,087.76	247,563.07	(28,475.31)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	3,000.000	08/28/19	INSTINET CLEARING SER INC, NEW YORK	120.00	95,612.81	106,098.46	(10,485.65)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	6,700.000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	67.00	212,214.76	236,953.23	(24,738.47)	0.00
936214	87165B103	SYNCHRONY FINANCIAL	5,500.000	09/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	55.00	177,178.83	194,513.84	(17,335.01)	0.00
936214	871829107	SYSCO CORP	3,000.000	01/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	150.00	187,701.55	187,980.00	(278.45)	0.00
936214	871829107	SYSCO CORP	3,000.000	01/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	189,192.24	187,980.00	1,212.24	0.00
936214	872540109	TJX COS INC/THE	4,000.000	02/25/19	INSTINET CLEARING SER INC, NEW YORK	160.00	200,245.39	179,668.01	20,577.38	2,340.00
936214	872540109	TJX COS INC/THE	8,000.000	02/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	80.00	399,265.21	359,386.03	39,929.18	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	04/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	415,848.24	337,045.96	78,802.28	5,860.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	04/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	257,675.66	224,697.31	32,978.35	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	500.000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	131,738.02	112,348.65	19,389.37	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	04/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	263,476.75	224,697.31	38,779.44	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	500.000	05/01/19	MORGAN STANLEY & CO INC, NY	30.00	137,763.69	112,348.65	25,415.04	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	07/30/19	INSTINET CLEARING SER INC, NEW YORK	40.00	285,025.49	249,560.89	35,464.60	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	07/31/19	MORGAN STANLEY & CO INC, NY	90.00	423,447.08	374,341.34	49,105.74	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	100.000	08/13/19	J.P. MORGAN SECURITIES INC, NEW YORK	5.00	27,634.42	24,966.09	2,678.33	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,400.000	08/14/19	INSTINET CLEARING SER INC, NEW YORK	56.00	382,269.36	349,385.25	32,884.11	0.00

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936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	272,482.66	249,560.89	22,921.77	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	09/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	282,323.85	283,622.27	28,701.58	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	2,300.000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	23.00	651,875.28	583,331.23	68,544.05	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,200.000	10/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	12.00	332,409.08	304,346.73	28,062.35	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	10/10/19	INSTINET CLEARING SER INC, NEW YORK	40.00	279,357.11	253,622.27	25,734.84	0.00
936214	892672106	TRADEWEB MARKETS INC	2,700.000	08/28/19	INSTINET CLEARING SER INC, NEW YORK	108.00	115,484.16	126,072.90	(10,588.74)	1,920.00
936214	892672106	TRADEWEB MARKETS INC	9,000.000	09/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	90.00	362,880.59	420,243.00	(57,362.41)	0.00
936214	892672106	TRADEWEB MARKETS INC	5,000.000	09/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	203,716.78	233,468.33	(29,751.55)	0.00
936214	892672106	TRADEWEB MARKETS INC	5,000.000	09/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	193,205.00	233,468.33	(40,263.33)	0.00
936214	892672106	TRADEWEB MARKETS INC	5,000.000	09/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	199,821.86	233,468.33	(33,646.47)	0.00
936214	903845303	ULTA BEAUTY INC	1,000.000	05/07/19	INSTINET CLEARING SER INC, NEW YORK	40.00	344,233.17	270,849.55	73,383.62	0.00
936214	903845303	ULTA BEAUTY INC	500.000	06/10/19	INSTINET CLEARING SER INC, NEW YORK	20.00	168,044.12	141,720.71	26,323.41	0.00
936214	903845303	ULTA BEAUTY INC	1,000.000	06/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	340,447.85	283,441.41	57,006.44	0.00
936214	903845303	ULTA BEAUTY INC	500.000	07/01/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	173,077.01	141,720.71	31,356.30	0.00
936214	903845303	ULTA BEAUTY INC	1,000.000	07/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	341,765.83	283,441.41	58,324.42	0.00
936214	903845303	ULTA BEAUTY INC	2,800.000	08/15/19	J.P. MORGAN SECURITIES INC, NEW YORK	140.00	891,192.70	793,635.96	97,556.74	0.00
936214	903845303	ULTA BEAUTY INC	2,800.000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	28.00	668,119.65	793,635.96	(125,516.31)	0.00
936214	903845303	ULTA BEAUTY INC	1,000.000	01/07/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	240,697.07	249,120.00	(8,422.93)	2,250.00
936214	91324P102	UNITEDHEALTH GROUP INC	1,500.000	02/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	396,512.20	375,419.83	21,092.37	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	02/15/19	INSTINET CLEARING SER INC, NEW YORK	20.00	134,867.64	125,139.94	9,727.70	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	1,500.000	02/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	399,679.55	375,419.83	24,259.72	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	02/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	132,458.93	125,139.94	7,318.99	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	1,000.000	02/27/19	INSTINET CLEARING SER INC, NEW YORK	40.00	256,007.67	250,279.89	5,727.78	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	02/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	123,803.44	125,139.95	(1,336.51)	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	03/04/19	MORGAN STANLEY & CO INC, NY	30.00	117,796.26	125,139.94	(7,343.68)	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	03/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	5.00	119,229.60	125,139.95	(5,910.35)	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	1,500.000	03/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	359,236.93	375,419.83	(16,182.90)	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	1,000.000	03/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	254,527.89	250,279.89	4,248.00	0.00
936214	922475108	VEEVA SYSTEMS INC	5,000.000	06/17/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	826,692.39	549,719.46	276,972.93	0.00
936214	922475108	VEEVA SYSTEMS INC	2,000.000	06/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	331,709.13	219,887.78	111,821.35	0.00
936214	922475108	VEEVA SYSTEMS INC	2,500.000	08/15/19	INSTINET CLEARING SER INC, NEW YORK	100.00	394,969.07	306,709.77	88,259.30	0.00
936214	922475108	VEEVA SYSTEMS INC	2,100.000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	21.00	339,869.35	257,636.20	82,233.15	0.00
936214	922475108	VEEVA SYSTEMS INC	2,000.000	09/05/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	314,742.28	245,367.81	69,374.47	0.00
936214	922475108	VEEVA SYSTEMS INC	2,500.000	09/10/19	INSTINET CLEARING SER INC, NEW YORK	100.00	357,318.35	306,709.76	50,608.59	0.00
936214	922475108	VEEVA SYSTEMS INC	4,800.000	09/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	48.00	698,152.75	588,882.75	109,270.00	0.00
936214	922475108	VEEVA SYSTEMS INC	1,500.000	09/16/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	212,875.59	184,025.86	28,849.73	0.00
936214	922475108	VEEVA SYSTEMS INC	2,600.000	09/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	26.00	379,166.53	318,978.16	60,188.37	0.00
936214	922475108	VEEVA SYSTEMS INC	500.000	09/24/19	MORGAN STANLEY & CO INC, NY	30.00	75,203.84	61,341.95	13,861.89	0.00
936214	922475108	VEEVA SYSTEMS INC	500.000	10/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	25.00	74,489.95	61,341.95	13,148.00	0.00
936214	922475108	VEEVA SYSTEMS INC	2,100.000	12/04/19	INSTINET CLEARING SER INC, NEW YORK	84.00	301,246.95	257,636.20	43,610.75	0.00
936214	922475108	VEEVA SYSTEMS INC	2,200.000	12/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	22.00	319,458.47	269,904.60	49,553.87	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	5,500.000	01/30/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	55.00	296,259.15	309,210.00	(12,950.85)	21,991.25
936214	92343V104	VERIZON COMMUNICATIONS INC	4,500.000	02/01/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	245,980.75	252,990.00	(7,009.25)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,500.000	02/04/19	MORGAN STANLEY & CO INC, NY	150.00	135,164.49	140,550.00	(5,385.51)	0.00

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936214	92343V104	VERIZON COMMUNICATIONS INC	2,500.000	02/06/19	MORGAN STANLEY & CO INC, NY	150.00	134,415.00	140,550.00	(6,135.00)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	02/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	108,005.20	112,440.00	(4,434.80)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	02/12/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	108,664.59	112,440.00	(3,775.41)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,500.000	02/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	135,580.99	140,550.00	(4,969.01)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	4,000.000	02/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	219,183.55	224,880.00	(5,696.45)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	02/19/19	J.P MORGAN SECURITIES INC, NEW YORK	100.00	110,674.15	112,440.00	(1,765.85)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	4,500.000	02/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	250,573.39	252,990.00	(2,416.61)	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	4,500.000	02/21/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	253,555.50	252,990.00	565.50	0.00
936214	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	05/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	321,495.14	270,556.66	50,938.48	0.00
936214	92826C839	VISA INC	2,500.000	05/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	439,829.89	360,234.12	79,595.77	0.00
936214	92826C839	VISA INC	2,000.000	10/07/19	INSTINET CLEARING SER INC, NEW YORK	100.00	350,257.14	288,187.30	62,069.84	0.00
936214	92826C839	VISA INC	1,000.000	11/01/19	J.P MORGAN SECURITIES INC, NEW YORK	40.00	180,690.35	144,093.65	36,596.70	0.00
936214	92826C839	VISA INC	1,000.000	08/15/19	INSTINET CLEARING SER INC, NEW YORK	60.00	237,884.47	235,976.48	1,907.99	0.00
936214	941848103	WATERS CORP	3,000.000	04/17/19	MORGAN STANLEY & CO INC, NY	30.00	628,725.78	707,929.44	(79,203.66)	0.00
936214	941848103	WATERS CORP	1,500.000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	315,077.78	353,964.72	(38,886.94)	0.00
936214	941848103	WATERS CORP	1,500.000	04/25/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	318,517.21	353,964.71	(35,447.50)	0.00
936214	941848103	WATERS CORP	2,000.000	04/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	100.00	237,948.10	173,207.82	64,740.28	10,323.00
936214	983919101	XILINX INC	4,000.000	02/19/19	J.P MORGAN SECURITIES INC, NEW YORK	40.00	466,033.15	410,192.55	55,840.60	0.00
936214	983919101	XILINX INC	4,000.000	04/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	40.00	480,605.65	410,192.55	70,413.10	0.00
936214	983919101	XILINX INC	3,500.000	05/07/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	175.00	411,470.02	358,918.48	52,551.54	0.00
936214	983919101	XILINX INC	1,500.000	05/10/19	J.P MORGAN SECURITIES INC, NEW YORK	15.00	175,263.87	153,822.20	21,441.67	0.00
936214	983919101	XILINX INC	2,600.000	05/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	130.00	290,837.25	266,625.15	24,212.10	0.00
936214	983919101	XILINX INC	2,500.000	05/20/19	J.P MORGAN SECURITIES INC, NEW YORK	25.00	250,536.81	256,370.34	(5,833.53)	0.00
936214	983919101	XILINX INC	2,500.000	05/23/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	256,012.20	256,370.34	(358.14)	0.00
936214	983919101	XILINX INC	4,900.000	05/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	245.00	494,550.67	502,485.87	(7,935.20)	0.00
936214	98978V103	ZOETIS INC	2,500.000	01/14/19	J.P MORGAN SECURITIES INC, NEW YORK	150.00	211,924.99	213,850.00	(1,925.01)	2,952.00
936214	98978V103	ZOETIS INC	3,000.000	01/15/19	MORGAN STANLEY & CO INC, NY	150.00	253,691.50	256,620.00	(2,928.50)	0.00
936214	98978V103	ZOETIS INC	2,000.000	01/18/19	J.P MORGAN SECURITIES INC, NEW YORK	120.00	169,477.79	171,080.00	(1,602.21)	0.00
936214	98978V103	ZOETIS INC	4,000.000	01/24/19	MORGAN STANLEY & CO INC, NY	160.00	334,549.64	342,160.00	(7,610.36)	0.00
936214	98978V103	ZOETIS INC	1,000.000	01/25/19	INSTINET CLEARING SER INC, NEW YORK	10.00	84,982.50	85,540.00	(557.50)	0.00
936214	98978V103	ZOETIS INC	1,000.000	01/28/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	50.00	83,013.22	85,540.00	(2,526.78)	0.00
936214	98978V103	ZOETIS INC	5,000.000	01/30/19	J.P MORGAN SECURITIES INC, NEW YORK	50.00	425,538.47	427,700.00	(2,161.53)	0.00
936214	98978V103	ZOETIS INC	1,000.000	02/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	60.00	86,985.76	85,540.00	1,425.76	0.00
936214	98978V103	ZOETIS INC	4,000.000	02/05/19	MORGAN STANLEY & CO INC, NY	160.00	348,978.26	342,160.00	6,818.26	0.00
936214	98978V103	ZOETIS INC	6,000.000	07/22/19	INSTINET CLEARING SER INC, NEW YORK	60.00	279,186.82	273,221.12	5,965.70	0.00
936214	G3198U102	ESSENT GROUP LTD	7,000.000	07/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	420.00	322,845.20	318,757.98	4,087.22	0.00
936214	G3198U102	ESSENT GROUP LTD	7,000.000	08/08/19	MORGAN STANLEY & CO INC, NY	420.00	328,954.68	318,757.98	10,196.70	0.00
936214	G3198U102	ESSENT GROUP LTD	2,000.000	01/09/19	MORGAN STANLEY & CO INC, NY	120.00	224,205.28	262,360.00	(38,154.72)	0.00
936214	G4388N106	HELEN OF TROY LTD	4,500.000	01/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	509,374.93	590,310.00	(80,935.07)	0.00
936214	G4388N106	HELEN OF TROY LTD	2,000.000	01/11/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	224,646.68	262,360.00	(37,713.32)	0.00
936214	G4388N106	HELEN OF TROY LTD	1,500.000	01/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	169,433.60	196,770.00	(27,336.40)	0.00
936214	G4388N106	HELEN OF TROY LTD	2,500.000	01/15/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	150.00	286,142.27	327,950.00	(41,807.73)	0.00
936214	G4388N106	HELEN OF TROY LTD	2,500.000	01/16/19	MORGAN STANLEY & CO INC, NY	25.00	284,144.81	327,950.00	(43,805.19)	0.00
936214	G47791101	INGERSOLL-RAND PLC	3,000.000	07/22/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	150.00	374,040.05	348,865.36	25,174.69	15,105.00

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EQUITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	G47791101	INGERSOLL-RAND PLC	2,000,000	07/25/19	MORGAN STANLEY & CO INC, NY	120.00	247,185.28	232,576.90	14,608.38	0.00
936214	G47791101	INGERSOLL-RAND PLC	2,500,000	07/29/19	MORGAN STANLEY & CO INC, NY	150.00	305,828.66	290,721.13	15,107.53	0.00
936214	G47791101	INGERSOLL-RAND PLC	1,500,000	07/30/19	INSTINET CLEARING SER INC, NEW YORK	60.00	190,541.05	174,432.68	16,108.37	0.00
936214	G47791101	INGERSOLL-RAND PLC	1,500,000	08/08/19	MORGAN STANLEY & CO INC, NY	90.00	180,748.35	174,432.68	6,315.67	0.00
936214	G47791101	INGERSOLL-RAND PLC	2,000,000	08/27/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	231,895.20	232,576.90	(861.70)	0.00
936214	G47791101	INGERSOLL-RAND PLC	1,000,000	09/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	50.00	121,132.09	116,288.45	4,843.64	0.00
936214	G47791101	INGERSOLL-RAND PLC	2,500,000	10/03/19	INSTINET CLEARING SER INC, NEW YORK	100.00	291,959.45	290,721.13	1,238.32	0.00
936214	G47791101	INGERSOLL-RAND PLC	1,000,000	10/07/19	MORGAN STANLEY & CO INC, NY	60.00	117,593.66	116,288.45	1,305.21	0.00
936214	G47791101	INGERSOLL-RAND PLC	2,000,000	10/09/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	20.00	228,365.87	232,576.91	(4,211.04)	0.00
936214	G47791101	INGERSOLL-RAND PLC	2,000,000	10/10/19	INSTINET CLEARING SER INC, NEW YORK	80.00	229,041.85	232,576.91	(3,535.06)	0.00
936214	G47791101	INGERSOLL-RAND PLC	1,000,000	08/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	192,731.01	200,224.90	(7,493.89)	0.00
936214	G5494J103	LINDE PLC	4,500,000	08/14/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	45.00	842,230.91	901,012.07	(58,781.16)	0.00
936214	G5494J103	LINDE PLC	2,500,000	08/15/19	MORGAN STANLEY & CO INC, NY	150.00	467,289.32	500,562.26	(33,272.94)	0.00
936214	G5494J103	LINDE PLC	3,000,000	08/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	568,398.83	600,674.72	(32,275.89)	0.00
936214	G5960L103	MEDTRONIC PLC	3,000,000	10/23/19	MORGAN STANLEY & CO INC, NY	180.00	315,220.57	317,630.83	(2,410.26)	0.00
936214	G5960L103	MEDTRONIC PLC	3,500,000	10/25/19	J.P. MORGAN SECURITIES INC, NEW YORK	175.00	367,848.68	370,569.31	(2,720.63)	0.00
936214	G5960L103	MEDTRONIC PLC	4,500,000	11/06/19	J.P. MORGAN SECURITIES INC, NEW YORK	225.00	480,112.60	476,446.25	3,666.35	0.00
936214	G84720104	STERIS PLC/UK	12,500,000	03/28/19	CONVERSION	0.00	1,358,527.45	1,358,527.45	0.00	3,740.00
936214	G8473T100	STERIS PLC	1,500,000	04/17/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	160,858.00	167,304.82	13,553.18	14,860.00
936214	G8473T100	STERIS PLC	1,500,000	04/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	190,757.35	187,304.82	23,452.53	0.00
936214	G8473T100	STERIS PLC	5,000,000	09/10/19	INSTINET CLEARING SER INC, NEW YORK	200.00	708,678.32	641,244.40	67,433.92	0.00
936214	G8473T100	STERIS PLC	2,000,000	09/16/19	J.P. MORGAN SECURITIES INC, NEW YORK	100.00	287,659.24	256,497.76	31,161.48	0.00
936214	G8473T100	STERIS PLC	2,500,000	09/18/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	360,532.54	320,622.20	39,910.34	0.00
936214	G8473T100	STERIS PLC	2,500,000	09/19/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	25.00	364,807.20	320,622.20	44,185.00	0.00
936214	G8473T100	STERIS PLC	1,500,000	09/24/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	219,930.99	192,373.32	27,557.67	0.00
936214	G8473T100	STERIS PLC	3,000,000	09/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	432,935.14	384,746.64	48,188.50	0.00
936214	G8473T100	STERIS PLC	1,500,000	10/02/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	207,389.61	192,373.32	15,016.29	0.00
936214	G8473T100	STERIS PLC	3,500,000	10/09/19	INSTINET CLEARING SER INC, NEW YORK	140.00	488,278.38	448,871.09	39,407.29	0.00
936214	G8473T100	STERIS PLC	3,500,000	10/10/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	488,947.58	448,871.09	40,076.50	0.00
936214	G8473T100	STERIS PLC	1,500,000	09/11/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	287,276.00	274,349.77	12,926.23	16,900.00
936214	G96629103	WILLIS TOWERS WATSON PLC	2,000,000	10/07/19	MORGAN STANLEY & CO INC, NY	120.00	375,898.41	365,799.69	10,098.72	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000,000	10/08/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	185,001.17	182,899.85	2,101.32	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	2,000,000	10/09/19	INSTINET CLEARING SER INC, NEW YORK	80.00	372,322.69	365,799.69	6,523.00	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,500,000	10/10/19	INSTINET CLEARING SER INC, NEW YORK	60.00	282,014.26	274,349.77	7,664.49	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	500,000	10/23/19	MORGAN STANLEY & CO INC, NY	30.00	92,604.48	91,449.92	1,154.56	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	500,000	10/25/19	INSTINET CLEARING SER INC, NEW YORK	20.00	92,445.98	91,449.92	996.06	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000,000	11/01/19	INSTINET CLEARING SER INC, NEW YORK	40.00	189,096.08	182,899.85	6,196.23	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	500,000	11/12/19	INSTINET CLEARING SER INC, NEW YORK	25.00	93,331.41	91,449.92	1,881.49	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000,000	12/04/19	INSTINET CLEARING SER INC, NEW YORK	40.00	192,819.60	182,899.85	9,919.75	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,000,000	12/05/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	193,608.49	182,899.85	10,708.64	0.00
936214	G96629103	WILLIS TOWERS WATSON PLC	1,500,000	12/06/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	292,756.29	274,349.77	18,406.52	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	4,000,000	04/08/19	MORGAN STANLEY & CO INC, NY	240.00	464,621.15	357,720.47	106,900.68	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	3,000,000	05/24/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	30.00	400,208.81	286,244.88	113,963.93	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	12,500,000	08/15/19	MORGAN STANLEY & CO INC, NY	750.00	1,401,414.72	1,348,081.65	53,333.07	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

SCHEDULE 4C
EQUITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	M2682V108	CYBERARK SOFTWARE LTD	1,500,000	08/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	175,049.53	161,769.80	13,279.73	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	1,500,000	08/26/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	15.00	170,880.36	161,769.80	9,110.56	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	2,400,000	08/29/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	24.00	271,488.86	258,831.68	12,657.18	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	3,500,000	09/03/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	35.00	392,031.43	377,462.86	14,568.57	0.00
936214	M2682V108	CYBERARK SOFTWARE LTD	3,600,000	09/04/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	36.00	406,978.41	388,247.51	18,730.90	0.00
936214	M51363113	MELLANOX TECHNOLOGIES LTD	1,500,000	06/10/19	INSTINET CLEARING SER INC, NEW YORK	60.00	168,407.51	159,031.55	9,375.96	0.00
936214	M51363113	MELLANOX TECHNOLOGIES LTD	1,500,000	06/19/19	J.P. MORGAN SECURITIES INC, NEW YORK	75.00	168,832.60	159,031.54	9,801.06	0.00
936214	M51363113	MELLANOX TECHNOLOGIES LTD	1,000,000	06/20/19	ELECTRONIC BROKERAGE SYSTEMS, CHICA	10.00	112,680.77	106,021.03	6,659.74	0.00
936214	M51363113	MELLANOX TECHNOLOGIES LTD	2,000,000	06/25/19	INSTINET CLEARING SER INC, NEW YORK	80.00	221,983.40	212,042.06	9,941.34	0.00
936214	M51363113	MELLANOX TECHNOLOGIES LTD	4,000,000	06/28/19	MORGAN STANLEY & CO INC, NY	240.00	443,690.41	424,084.12	19,606.29	0.00
936214		SECURITIES LITIGATION INCOME - BANK OF AMERICA				0.00	0.00	0.00	0.00	2,857.13
936214		SECURITIES LITIGATION INCOME - LEHMAN BROTHERS				0.00	0.00	0.00	0.00	402.92
936214		SECURITIES LITIGATION INCOME - MF GLOBAL HOLDINGS				0.00	0.00	0.00	0.00	92,705.00
936214		SECURITIES LITIGATION INCOME - SALIX PHARMACEUTICALS				0.00	0.00	0.00	0.00	1,610.86
SCHEDULE TOTALS							54,404.42	184,948,805.52	181,688,771.33	3,260,034.19
							TOTAL PROFIT		8,922,259.50	
							TOTAL LOSS		5,662,225.31	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

Schedule No: 5 Schedule of Pooled Funds

PERAC Ledger Number	Description	(A) Mkt Value at end of Prev Yr	(B) Total Purch This Year at Cost	(C) Reinv Investment Income	(D) Rea- lized Gain	(E) Rea- lized Loss	(F) Unrea- lized Gain	(G) Unrea- lized Loss	(H) Total Sales Redemp Amt Rec'd	(I) Cash Div Distri- butions	(J) Fees Paid	(K) Mkt Value at end of Year
1193-0002	Prit Priv Eq Vintage Yr 2009	48,169.18	0.00	896.95	11,422.53	0.00	6,391.50	9,535.93	20,971.22	0.00	633.01	35,740.00
1193-0001	Prit Priv Eq Vintage Yr 2008	504,430.90	0.00	11,679.25	59,835.84	0.00	37,056.41	74,651.51	129,935.73	0.00	2,183.04	406,232.12
TOTAL		552,600.08	0.00	12,576.20	71,258.37	0.00	43,447.91	84,187.44	150,906.95	0.00	2,816.05	441,972.12

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

Schedule 6: Summary of Investments Owned

Category of	Investment	Market Value	Interest Due/Accr	Paid Accr Interest Curr Yr	Comm Paid Curr Yr	Unrealized Gain	Loss	Realized Gain	Loss	Investment Income Recd During Year
	Cash	2,256,750.19	2,868.55							59,521.14
	1100 Short term Securities	3,392,487.34	0.00	0.00	0.00	0.00		10,075.35	0.00	0.00
	1180 Fixed Income Securities	52,100,875.25	308,995.94	228,786.88	0.00	1,097,714.26	863,259.80	2,489,173.90	535,008.26	1,792,148.96
	1170 Equities	84,002,929.00			115,958.77	6,517,320.99	49,892.34	8,922,259.50	5,662,225.31	874,764.05
	Prit Pooled Funds	441,972.12				43,447.91	84,187.44	71,258.37	0.00	12,576.20
	TOTAL	142,195,013.90	311,864.49	228,786.88	115,958.77	7,658,483.16	997,339.58	11,492,767.12	6,197,233.57	2,739,010.35

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2019

Schedule 7: Summary of Investment Related Fees

Manager/Vendor	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Accrued Payable at Year End 2019	Total Paid or Accrued in 2019	Market Value at Year End 2019	Payment Method*
5304 Management Fees								
1. The de Burlo Group, Inc. (5304-001)	61,869.00	94,662.00	98,426.00	96,483.00	32,172.00	383,612.00	141,325,575.88	C
2. PRIM (5304-0002)	811.83	723.68	679.67	600.87		2,816.05	441,972.12	N
5304 Management Fees TOTAL	62,680.83	95,385.68	99,105.67	97,083.87	32,172.00	386,428.05		
5305 Custodial Fees								
State Street	4,378.80	12,197.74	12,311.03	12,684.02	8,332.85	49,904.44		C
5305 Custodial Fees TOTAL	4,378.80	12,197.74	12,311.03	12,684.02	8,332.85	49,904.44		
5307 Investment Consultant Fees								
	0.00	0.00	0.00	0.00	0.00	0.00		
5307 Investment Consultant Fees T	0.00	0.00	0.00	0.00	0.00	0.00		
						436,332.49		

Note: 5304 Management Fees from Disbursements Page 5.4.(c), 5305 Custodial Fees from Disbursements Page 5.4.(d), 5307 Investment Consultant Fees from Disbursements Page 5.4.(e)

*N=Net / C=Check / W=Wire

Supplementary Schedule for 2019

EE Nbr Name	SSN Last 4	Previous Balance	Curr Year Deductions	Current Year Interest	Makeups Xfers In	Refunds Xfers Out	Transfer To Ann Reserves	Transfer To Pension Fund	Transfer To Pen Res Fund	Current Year Balance
Totals for CTY - Northampton Member Count: 899										
Totals for LIB - Forbes Library Member Count: 36										
Totals for LIL - Lilly Library Member Count: 6										
Totals for NHA - Northampton Housing Auth Member Count: 58										
Grand Totals Member Count: 999										

APPRAISAL SUMMARY REPORT

NORTHAMPTON RETIREMENT SYSTEM

December 31, 2019

SECURITY CLASS	BOOK VALUE	MARKET VALUE	% ASSETS	UNREALIZED GAIN/LOSS	ESTIMATED INCOME
Cash Balance	1,028,128	1,028,128	0.73%	0	0
Other	105,047	439,286	0.31%	334,239	0
Bond	55,497,031	55,497,031	39.37%	0	1,234,008
Stock	84,002,929	84,002,929	59.59%	0	882,121
Total Portfolio	140,633,135	140,967,374	100.00%	334,239	2,116,129

Asset Allocation

	Allocation at 9/30/19		Allocation at 12/31/19	
	\$	%	\$	%
Cash	2,089,496	1.47%	1,028,128	0.73%
Equity				
Domestic Stock	55,171,336	38.94%	67,430,647	47.83%
International Stock	7,948,651	5.61%	16,572,282	11.76%
Real Estate	8,261,205	5.83%	0	0.00%
Total Equity	71,381,192	50.39%	84,002,929	59.59%
Fixed Income				
Domestic Bonds	67,743,373	47.82%	55,497,031	39.37%
International Bonds	0	0.00%	0	0.00%
Below Invest. Grade	0	0.00%	0	0.00%
Total Fixed	67,743,373	47.82%	55,497,031	39.37%
PRIT Investments *				
Alternative (P.E. V.C.)	456,665	0.32%	439,286	0.31%
Total PRIT Investments	456,665	0.32%	439,286	0.31%
Total	141,670,726	100.00%	140,967,374	100.00%

*PRIT amounts based on revised 9/30/19 and 12/31/19 values.

APPENDIX PAGE 1

PLAN DESCRIPTION

The plan is a contributory defined benefit plan covering all Northampton Retirement System member unit employees deemed eligible by the retirement board, with the exception of school department employees who serve in a teaching capacity. The pensions of such school employees are administered by the Teachers' Retirement Board.

Instituted in 1937, the System is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws. Membership in the plan is mandatory immediately upon the commencement of employment for all individuals who are regularly employed at least 20 hours per week in a permanent position and who earn at least \$5,000 per year.

The system provides for retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. For members entering the System on or after April 2, 2012, the System provides for retirement allowance benefits up to a maximum of 80% of a member's highest five-year average annual rate of regular compensation. Benefit payments are based upon a member's age, length of creditable service, level of compensation, and group classification.

Members become vested after ten years of creditable service. For members establishing membership prior to April 2, 2012, a superannuation retirement allowance may be received upon the completion of twenty years of service or upon reaching the age of 55 with ten years of service. Group 1 members establishing membership on or after April 2, 2012, a superannuation retirement allowance may be paid at age 60 upon completion of ten years of creditable service.

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and a portion of the interest they generate constitute the annuity. The differential between the total retirement benefits and the annuity is the pension. The average retirement benefit is approximately 80-85% pension and 15-20% annuity.

Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Members joining the retirement system after January 1, 1979 must contribute an additional 2% on regular compensation earned at a rate in excess of \$30,000. The percentage rate is keyed to the date upon which an employee's membership commences. These deductions are deposited in the Annuity Savings Fund and earn interest at a rate determined by the Executive Director of PERAC according to statute. When a member's retirement becomes effective, his/her deductions and related interest are transferred to the Annuity Reserve Fund. Cost-of-living adjustments and any other increase in benefits imposed by state laws granted between 1981 and 1996 are borne by the state.

The pension portion of any retirement benefits is paid from the Pension Fund of the System. The governmental unit employing the member must annually appropriate and contribute the amount of current year pension payments as determined by PERAC's Actuary. Until recently, retirement systems were paying only the actual retirement benefits that were due each year. Systems had no statutory authorization to put aside any money for the future benefits of employees who are now working. Large unfunded liabilities resulted from operating upon this pay-as-you-go basis. In 1977, legislation authorized local governments to appropriate funds to meet future pension obligations.

In 1983, additional legislation was passed requiring the transfer of investment earnings (in excess of the amount credited to member accounts) into the Pension Reserve Fund. These initiatives have significantly reduced the rate of growth of the retirement systems' unfunded liabilities, and in some systems have actually reduced such liability.

Administrative expenses are funded through excess investment income.

Members who become permanently and totally disabled for further duty may be eligible to receive a disability retirement allowance. The amount of benefits to be received in such cases is dependent upon several factors including: whether or not the disability is work-related, the member's age, years of creditable service, level of compensation, veteran's status, and group classification.

Members who separate from service may request a refund of their accumulated total deductions. Members who voluntarily terminate from service with at least ten years of creditable service, or who are involuntarily terminated, receive 100% of the regular interest that has accrued to their Annuity Savings Account. Members who voluntarily terminate service with less than ten years of service receive interest on their Annuity Savings Account at the annual rate of 3%.

Survivor benefits are extended to eligible beneficiaries of members whose death occurs prior to or following retirement.

APPENDIX PAGE 2

SIGNIFICANT ACCOUNTING POLICIES

The accounting records of the System are maintained on a calendar year basis in accordance with the standards and procedures established by the Executive Director of Public Employee Retirement Administration Commission. All investments are stated at market values at the end of the year.

The Annuity Savings Fund is the fund in which members' contributions are deposited. Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Voluntary contributions, redeposits, and transfers to and from other systems, are also accounted for in this fund. Members' contributions to the fund earn interest at a rate determined by PERAC. Interest for some members who withdraw with less than ten years of service is transferred to the Pension Reserve Fund. Upon retirement, a member's contributions and interest are transferred to the Annuity Reserve Fund. Dormant account balances must be transferred to the Pension Reserve Fund after a period of ten years of inactivity.

The Annuity Reserve Fund is the fund to which a member's account is transferred upon retirement from the Annuity Savings Fund and Special Military Service Credit Fund. The annuity portion of the retirement allowance is paid from this fund. Interest is credited monthly to this fund at the rate of 3% annually on the previous month's balance.

The Special Military Service Credit Fund contains contributions and interest for members while on a military leave for service in the Armed Forces who will receive creditable service for the period of that leave.

The Expense Fund contains amounts transferred from investment income or appropriated by the governmental units for the purposes of administering the retirement system.

The Pension Fund contains the amounts appropriated by the governmental units as established by PERAC to pay the pension portion of each retirement allowance.

The Pension Reserve Fund contains amounts appropriated by the governmental units for the purposes of funding future retirement benefits. Any profit or loss realized on the sale or maturity of any investment or on the unrealized gain of a market valued investment as of the valuation date is credited to the Pension Reserve Fund. Additionally, any investment income in excess of the amount required to credit interest to the Annuity Savings Fund, Annuity Reserve Fund, and Special Military Service Credit Fund is credited to this Reserve account.

The Investment Income Account is credited with all income derived from invested funds. At the end of the year, the income credited to the Annuity Savings Fund, Annuity Reserve Fund, Expense Fund, and Special Military Service Credit Fund is distributed from this account and the remaining balance is transferred to the Pension Reserve Fund.

APPENDIX PAGE 3

ACTUARIAL VALUATION AND ASSUMPTIONS

The most recent actuarial valuation of the System was prepared by Stone Consulting, Inc. as of January 1, 2018

Gross Normal Cost on that date was \$3,929,439 14.2% of payroll

Net Normal Cost (after Employees' Contribution) \$1,377,215 5.0% of payroll

The actuarial liability for active members was	\$ 68,045,100
The actuarial liability for inactive members was	\$ 2,019,356
The actuarial liability for retired members was	\$ 108,522,475
Total actuarial accrued liability	\$ 178,586,931
Actuarial value of assets as of that date	\$ 122,700,515
Unfunded actuarial accrued liability	\$ 58,086,238

The principal actuarial assumptions used in the valuation are as follows:

Investment Return:	7.375% per annum
Rate of Salary Increase:	Assumption for most employees is 2.5% steps for first 8 years with some employees assumed at 6.25% for first 8 years 4.00% ultimate rate, reduced to 3.00% for 2018-2019

Schedule of Funding Progress

Actuarial Valuation Date	Actuarial Value of Assets A	Actuarial Accrued Liability (AAL) B	Unfunded AAL (UAAL) B-A	Funded Ratio A/B	Covered Payroll C	UUAL as a % of Covered Payroll (B-A)/C
1-1-2018	122,701	178,587	55,886	69%	27,670	202%
1-1-2016	112,320	161,040	48,720	70%	26,241	186%
1-1-2014	93,943	149,021	55,078	63%	24,064	229%
1-1-2012	79,531	131,388	51,856	61%	23,889	217%
1-1-2010	76,045	116,637	40,592	65%	22,556	180%