

Return of Private Foundation

or Section 4947(a)(1) Trust Treated as Private Foundation

▶ Do not enter social security numbers on this form as it may be made public.
▶ Go to www.irs.gov/Form990PF for instructions and the latest information.

For calendar year 2019 or tax year beginning , and ending

Name of foundation Joseph B. Whitehead Foundation		A Employer identification number 58-6001954
Number and street (or P.O. box number if mail is not delivered to street address) 191 Peachtree Street NE	Room/suite 3540	B Telephone number 4045226755
City or town, state or province, country, and ZIP or foreign postal code Atlanta, GA 30303-1799		C If exemption application is pending, check here ... <input type="checkbox"/>
G Check all that apply: <input type="checkbox"/> Initial return <input type="checkbox"/> Initial return of a former public charity <input type="checkbox"/> Final return <input type="checkbox"/> Amended return <input type="checkbox"/> Address change <input type="checkbox"/> Name change		D 1. Foreign organizations, check here <input type="checkbox"/> 2. Foreign organizations meeting the 85% test, check here and attach computation <input type="checkbox"/>
H Check type of organization: <input checked="" type="checkbox"/> Section 501(c)(3) exempt private foundation <input type="checkbox"/> Section 4947(a)(1) nonexempt charitable trust <input type="checkbox"/> Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here ... <input type="checkbox"/>
I Fair market value of all assets at end of year (from Part II, col. (c), line 16) ▶ \$ 1,779,214,884.	J Accounting method: <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual <input type="checkbox"/> Other (specify) _____	F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ... <input type="checkbox"/>

Part I Analysis of Revenue and Expenses <small>(The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a).)</small>		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
1 Contributions, gifts, grants, etc., received				N/A	
2 Check <input checked="" type="checkbox"/> if the foundation is not required to attach Sch. B					
3 Interest on savings and temporary cash investments		228,441.	228,441.		Statement 1
4 Dividends and interest from securities		49,760,198.	49,760,198.		Statement 2
5a Gross rents		45,000.	45,000.		Statement 3
b Net rental income or (loss) 42,750.					Statement 4
6a Net gain or (loss) from sale of assets not on line 10		-363,781.			
b Gross sales price for all assets on line 6a 40,288,701.					
7 Capital gain net income (from Part IV, line 2)			0.		
8 Net short-term capital gain					
9 Income modifications					
10a Gross sales less returns and allowances					
b Less: Cost of goods sold					
c Gross profit or (loss)					
11 Other income					
12 Total. Add lines 1 through 11		49,669,858.	50,033,639.		
13 Compensation of officers, directors, trustees, etc.		242,094.	66,047.		176,047.
14 Other employee salaries and wages		164,925.	8,729.		156,196.
15 Pension plans, employee benefits		92,803.	7,395.		85,408.
16a Legal fees					
b Accounting fees Stmt 5		15,389.	769.		14,620.
c Other professional fees Stmt 6		255,089.	249,125.		5,964.
17 Interest					
18 Taxes Stmt 7		1,002,000.	0.		0.
19 Depreciation and depletion		1,351.	68.		
20 Occupancy		51,415.	2,571.		48,844.
21 Travel, conferences, and meetings		6,439.	350.		6,089.
22 Printing and publications		422.	20.		402.
23 Other expenses Stmt 8		40,963.	4,016.		36,947.
24 Total operating and administrative expenses. Add lines 13 through 23		1,872,890.	339,090.		530,517.
25 Contributions, gifts, grants paid		62,868,376.			62,868,376.
26 Total expenses and disbursements. Add lines 24 and 25		64,741,266.	339,090.		63,398,893.
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements ...		-15,071,408.			
b Net investment income (if negative, enter -0-)			49,694,549.		
c Adjusted net income (if negative, enter -0-)				N/A	

Part II Balance Sheets	Attached schedules and amounts in the description column should be for end-of-year amounts only.	Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	5,653.	5,686.	5,686.
	2 Savings and temporary cash investments	15,412,232.	8,488,450.	8,494,266.
	3 Accounts receivable			
	Less: allowance for doubtful accounts			
	4 Pledges receivable			
	Less: allowance for doubtful accounts			
	5 Grants receivable			
	6 Receivables due from officers, directors, trustees, and other disqualified persons			
	7 Other notes and loans receivable			
	Less: allowance for doubtful accounts			
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges			
	10a Investments - U.S. and state government obligations			
	b Investments - corporate stock Stmt 10	107,225,913.	109,051,261.	1769193304.
	c Investments - corporate bonds			
	Liabilities	11 Investments - land, buildings, and equipment: basis	71,143.	
Less: accumulated depreciation		71,143.	71,143.	1,366,667.
12 Investments - mortgage loans				
13 Investments - other				
14 Land, buildings, and equipment: basis		61,414.		
Less: accumulated depreciation Stmt 9		52,892.	9,872.	8,522.
15 Other assets (describe Statement 11)		80,585.	92,528.	146,439.
16 Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)		122,805,398.	117,717,590.	1779214884.
17 Accounts payable and accrued expenses				
18 Grants payable				
19 Deferred revenue				
20 Loans from officers, directors, trustees, and other disqualified persons				
21 Mortgages and other notes payable				
22 Other liabilities (describe Statement 12)	6,686.	6,642.		
23 Total liabilities (add lines 17 through 22)	6,686.	6,642.		
Net Assets or Fund Balances	Foundations that follow FASB ASC 958, check here <input type="checkbox"/>			
	and complete lines 24, 25, 29, and 30.			
	24 Net assets without donor restrictions			
	25 Net assets with donor restrictions			
	Foundations that do not follow FASB ASC 958, check here <input checked="" type="checkbox"/>			
	and complete lines 26 through 30.			
	26 Capital stock, trust principal, or current funds	0.	0.	
27 Paid-in or capital surplus, or land, bldg., and equipment fund	0.	0.		
28 Retained earnings, accumulated income, endowment, or other funds	122,798,712.	117,710,948.		
29 Total net assets or fund balances	122,798,712.	117,710,948.		
30 Total liabilities and net assets/fund balances	122,805,398.	117,717,590.		

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 29 (must agree with end-of-year figure reported on prior year's return)	1	122,798,712.
2 Enter amount from Part I, line 27a	2	-15,071,408.
3 Other increases not included in line 2 (itemize) GAIN ON STOCK GRANTS	3	9,983,644.
4 Add lines 1, 2, and 3	4	117,710,948.
5 Decreases not included in line 2 (itemize)	5	0.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 29	6	117,710,948.

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (for example, real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)		(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a PUBLICLY TRADED SECURITIES				
b				
c				
d				
e				
(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) ((e) plus (f) minus (g))	
a 40,288,701.		40,652,482.	-363,781.	
b				
c				
d				
e				
Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69.			(i) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))	
(i) FMV as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any		
a			-363,781.	
b				
c				
d				
e				
2 Capital gain net income or (net capital loss)		{ If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7 }		2 -363,781.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). If (loss), enter -0- in Part I, line 8		}		3 N/A

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank.

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period? Yes No
 If "Yes," the foundation doesn't qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year; see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2018	91,765,407.	1,475,226,445.	.062204
2017	69,304,756.	1,448,341,074.	.047851
2016	70,856,048.	1,417,944,171.	.049971
2015	57,899,673.	1,370,880,986.	.042235
2014	44,342,629.	1,368,211,284.	.032409
2 Total of line 1, column (d)			2 .234670
3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5.0, or by the number of years the foundation has been in existence if less than 5 years			3 .046934
4 Enter the net value of noncharitable-use assets for 2019 from Part X, line 5			4 1,598,781,106.
5 Multiply line 4 by line 3			5 75,037,192.
6 Enter 1% of net investment income (1% of Part I, line 27b)			6 496,945.
7 Add lines 5 and 6			7 75,534,137.
8 Enter qualifying distributions from Part XII, line 4			8 63,398,893.

If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)

1a Exempt operating foundations described in section 4940(d)(2), check here <input type="checkbox"/> and enter "N/A" on line 1. Date of ruling or determination letter: _____ (attach copy of letter if necessary-see instructions)			
b Domestic foundations that meet the section 4940(e) requirements in Part V, check here <input type="checkbox"/> and enter 1% of Part I, line 27b		1	993,891.
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations, enter 4% of Part I, line 12, col. (b)			
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)		2	0.
3 Add lines 1 and 2		3	993,891.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)		4	0.
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-		5	993,891.
6 Credits/Payments:			
a 2019 estimated tax payments and 2018 overpayment credited to 2019	6a	1,000,858.	
b Exempt foreign organizations - tax withheld at source	6b	0.	
c Tax paid with application for extension of time to file (Form 8868)	6c	0.	
d Backup withholding erroneously withheld	6d	0.	
7 Total credits and payments. Add lines 6a through 6d	7	1,000,858.	
8 Enter any penalty for underpayment of estimated tax. Check here <input checked="" type="checkbox"/> if Form 2220 is attached	8	0.	
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9		
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10	6,967.	
11 Enter the amount of line 10 to be: Credited to 2020 estimated tax <input type="checkbox"/> Refunded <input checked="" type="checkbox"/>	11	6,967.	0.

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes? See the instructions for the definition If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities.		X
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. <input type="checkbox"/> \$ 0. (2) On foundation managers. <input type="checkbox"/> \$ 0.		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. <input type="checkbox"/> \$ 0.		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If "Yes," attach a detailed description of the activities.		X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes		X
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?		X
b If "Yes," has it filed a tax return on Form 990-T for this year?		N/A
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by <i>General Instruction T</i> .		X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col. (c), and Part XV	X	
8a Enter the states to which the foundation reports or with which it is registered. See instructions. <input type="checkbox"/> <u>GA</u>		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by <i>General Instruction G</i> ? If "No," attach explanation	X	
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2019 or the tax year beginning in 2019? See the instructions for Part XIV. If "Yes," complete Part XIV		X
10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses		X

Part VII-A Statements Regarding Activities (continued)

Table with 3 columns: Question, Yes, No. Rows 11-16 containing questions about controlled entities, distributions, public inspection requirements, website address, books in care, and interest in foreign countries.

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

Table with 3 columns: Question, Yes, No. Rows 1a-4b containing questions about disqualifying acts, taxes on failure to distribute income, and business enterprise interest.

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)

		Yes	No
5a During the year, did the foundation pay or incur any amount to:			
(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(3) Provide a grant to an individual for travel, study, or other similar purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? See instructions	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance? See instructions		5b	X
Organizations relying on a current notice regarding disaster assistance, check here	<input type="checkbox"/>		
c If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant?	N/A <input type="checkbox"/> Yes <input type="checkbox"/> No		
If "Yes," attach the statement required by Regulations section 53.4945-5(d).			
6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		6b	X
If "Yes" to 6b, file Form 8870.			
7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?	N/A	7b	
8 Is the foundation subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors

1 List all officers, directors, trustees, and foundation managers and their compensation.

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
See Statement 13		242,094.	41,711.	762.

2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
NONE				

Total number of other employees paid over \$50,000 0

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors *(continued)*

3 Five highest-paid independent contractors for professional services. If none, enter "NONE."

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
T. ROWE PRICE ASSOCIATES P.O. BOX 64043, BALTIMORE, MD 21264	INVESTMENT MANAGER	85,784.
GANNETT WELSH & KOTLER, LLC - 222 BERKELEY STREET, 15TH FLOOR, BOSTON, MA 02116	INVESTMENT MANAGER	71,449.
SUNTRUST BANK 303 PEACHTREE ST, ATLANTA, GA 30308	INVESTMENT ADVISOR	55,309.

Total number of others receiving over \$50,000 for professional services **0**

Part IX-A Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.	Expenses
1 N/A	
2	
3	
4	

Part IX-B Summary of Program-Related Investments

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.	Amount
1 N/A	
2	
All other program-related investments. See instructions.	
3	

Total. Add lines 1 through 3 **0.**

Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1 Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:			
a	Average monthly fair market value of securities	1a	1,612,893,679.
b	Average of monthly cash balances	1b	8,732,346.
c	Fair market value of all other assets	1c	1,502,001.
d	Total (add lines 1a, b, and c)	1d	1,623,128,026.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	29,532,930.
2 Acquisition indebtedness applicable to line 1 assets		2	0.
3 Subtract line 2 from line 1d		3	1,623,128,026.
4 Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)		4	24,346,920.
5 Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4		5	1,598,781,106.
6 Minimum investment return. Enter 5% of line 5		6	79,939,055.

Part XI Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations, check here and do not complete this part.)

1 Minimum investment return from Part X, line 6		1	79,939,055.
2a	Tax on investment income for 2019 from Part VI, line 5	2a	993,891.
b	Income tax for 2019. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	993,891.
3 Distributable amount before adjustments. Subtract line 2c from line 1		3	78,945,164.
4 Recoveries of amounts treated as qualifying distributions		4	0.
5 Add lines 3 and 4		5	78,945,164.
6 Deduction from distributable amount (see instructions)		6	0.
7 Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1		7	78,945,164.

Part XII Qualifying Distributions (see instructions)

1 Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:			
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	63,398,893.
b	Program-related investments - total from Part IX-B	1b	0.
2 Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes		2	
3 Amounts set aside for specific charitable projects that satisfy the:			
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4 Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8; and Part XIII, line 4		4	63,398,893.
5 Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b		5	0.
6 Adjusted qualifying distributions. Subtract line 5 from line 4		6	63,398,893.

Note: The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Part XIII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2018	(c) 2018	(d) 2019
1 Distributable amount for 2019 from Part XI, line 7				78,945,164.
2 Undistributed income, if any, as of the end of 2019:				
a Enter amount for 2018 only			43,697,479.	
b Total for prior years:		0.		
3 Excess distributions carryover, if any, to 2019:				
a From 2014				
b From 2015				
c From 2016				
d From 2017				
e From 2018				
f Total of lines 3a through e	0.			
4 Qualifying distributions for 2019 from Part XII, line 4: ▶ \$ 63,398,893.				
a Applied to 2018, but not more than line 2a			43,697,479.	
b Applied to undistributed income of prior years (Election required - see instructions)		0.		
c Treated as distributions out of corpus (Election required - see instructions)	0.			
d Applied to 2019 distributable amount				19,701,414.
e Remaining amount distributed out of corpus	0.			
5 Excess distributions carryover applied to 2019 (If an amount appears in column (d), the same amount must be shown in column (a).)	0.			0.
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5	0.			
b Prior years' undistributed income. Subtract line 4b from line 2b		0.		
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed		0.		
d Subtract line 6c from line 6b. Taxable amount - see instructions		0.		
e Undistributed income for 2018. Subtract line 4a from line 2a. Taxable amount - see instr.			0.	
f Undistributed income for 2019. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2020				59,243,750.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)	0.			
8 Excess distributions carryover from 2014 not applied on line 5 or line 7	0.			
9 Excess distributions carryover to 2020. Subtract lines 7 and 8 from line 6a	0.			
10 Analysis of line 9:				
a Excess from 2015				
b Excess from 2016				
c Excess from 2017				
d Excess from 2018				
e Excess from 2019				

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9) N/A

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2019, enter the date of the ruling ▶

b Check box to indicate whether the foundation is a private operating foundation described in section 4942(j)(3) or 4942(j)(5)

	Tax year				(e) Total
	(a) 2019	(b) 2018	(c) 2017	(d) 2016	
2 a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed					
b 85% of line 2a					
c Qualifying distributions from Part XII, line 4, for each year listed					
d Amounts included in line 2c not used directly for active conduct of exempt activities					
e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c					
3 Complete 3a, b, or c for the alternative test relied upon:					
a "Assets" alternative test - enter:					
(1) Value of all assets					
(2) Value of assets qualifying under section 4942(j)(3)(B)(i)					
b "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6, for each year listed					
c "Support" alternative test - enter:					
(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)					
(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)					
(3) Largest amount of support from an exempt organization					
(4) Gross investment income					

Part XV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)

1 Information Regarding Foundation Managers:

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

None

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

None

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc., to individuals or organizations under other conditions, complete items 2a, b, c, and d.

a The name, address, and telephone number or email address of the person to whom applications should be addressed: See Statement 16

See Statement 15

b The form in which applications should be submitted and information and materials they should include:

c Any submission deadlines:

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

Part XV Supplementary Information *(continued)*

3 Grants and Contributions Paid During the Year or Approved for Future Payment				
Recipient	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution **	Amount
Name and address (home or business)				
a Paid during the year				
3DE National, LLC 3565 Piedmont Road, NE, Building One, Suite 460 Atlanta, GA 30305		PC	Phase II expansion of the 3DE high school model in metro Atlanta.	2,000,000.
Access to Capital for Entrepreneurs 504 Fair Street, SW Atlanta, GA 30313		PC	Support of strategic growth plan for certified Community Development Financial Institution that	250,000.
Atlanta Community Food Bank 3400 North Desert Drive Atlanta, GA 30344		PC	\$51.4 million capital campaign to build a new facility and grow food distribution network.	15,000,000.
Atlanta Habitat for Humanity 824 Memorial Drive, SE Atlanta, GA 30316		PC	\$15.5 million campaign to increase access to affordable housing in metro Atlanta.	2,500,000.
Atlanta Youth Academies Foundation 2120 Forest Park Road Atlanta, GA 30315		SO I	Capital projects as part of \$20 million comprehensive campaign.	1,000,000.
Total See continuation sheet(s) ▶ 3a				62,868,376.
b Approved for future payment				
Access to Capital for Entrepreneurs 504 Fair Street, SW Atlanta, GA 30313		PC	Support of strategic growth plan for certified Community Development Financial Institution that	250,000.
Atlanta Mission 2353 Bolton Road, NW Atlanta, GA 30318		PC	Development of low-barrier shelter for women and children at the Atlanta Day Shelter facility on	4,000,000.
Camp Twin Lakes 1100 Spring Street, Suite 260 Atlanta, GA 30309		PC	\$20 million campaign to build third year-round campsite in Rutledge.	4,000,000.
Total See continuation sheet(s) ▶ 3b				26,469,000.

Part XV Supplementary Information**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
Bethany Christian Services of Georgia 6645 Peachtree Dunwoody Road, NE Atlanta, GA 30328		PC	Technology upgrades and purchase of vehicles to meet increased demand for foster care and	175,000.
Bobby Dodd Institute 2120 Marietta Blvd, NW Atlanta, GA 30318		PC	Implementation of strategic plan to improve services and expand employment opportunities for the	350,000.
Boys & Girls Clubs of Metro Atlanta 1275 Peachtree St., NE, Suite 500 Atlanta, GA 30309		PC	Operating support and support of the Career Bound workforce readiness program.	2,000,000.
Camp Twin Lakes 1100 Spring Street, Suite 260 Atlanta, GA 30309		PC	\$20 million campaign to build third year-round campsite in Rutledge.	1,000,000.
Children's Healthcare of Atlanta 1600 Tullie Circle, NE Atlanta, GA 30329		PC	Implementation of the Marcus Autism Center's five-year strategic plan to focus on the early diagnosis and	5,000,025.
Communities in Schools of Georgia 260 Peachtree Street, Suite 700 Atlanta, GA 30303		PC	Operating support of CISGA, which works to improve academic performance and reduce dropouts among at-risk	800,000.
Community Foundation for Greater Atlanta fbo redefinED Atlanta 191 Peachtree St., Suite 1000 Atlanta, GA 30303		PC	Expansion of the Relay Graduate School of Education's teacher residency program to Atlanta. Payable over	833,333.
First Step Staffing 236 Auburn Avenue, Suite 203 Atlanta, GA 30303		PC	Support over two years to scale transportation services for homeless clients.	200,000.
Georgia Agape 3094 Mercer University Dr., Suite 200 Atlanta, GA 30341		PC	Technology and facility upgrades for agency serving children in foster care.	150,000.
Georgia Campaign for Adolescent Power and Potential 1718 Peachtree St., NW, Suite 465 Atlanta, GA 30309		PC	Support of teen pregnancy prevention programs over two years.	150,000.
Total from continuation sheets				42,118,376.

Part XV Supplementary Information**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
Georgia CASA 75 Marietta Street, NW, Suite 404 Atlanta, GA 30303		PC	Operating support (\$400,000) and support of growth plan (\$100,000) for organization providing	500,000.
Georgia Community Support & Solutions dba InCommunity 1945 Cliff Valley Way, Suite 220 Brookhaven, GA 30329		PC	Relocation and consolidation of offices and renovation of North Fulton location to expand day	200,000.
Georgia Family Connection Partnership 235 Peachtree Street, Suite 1600 Atlanta, GA 30303		PC	Support of statewide network to improve child well-being in Georgia.	600,000.
Georgia Leadership Institute for School Improvement 3237 Satellite Blvd, Suite 460 Duluth, GA 30096		PC	Support of leadership program for school districts.	800,000.
Georgia Partnership for Excellence in Education 270 Peachtree Street, Suite 2200 Atlanta, GA 30303		PC	Operating support for organization working to improve K-12 public education through research and public	700,000.
Georgia State University Research Foundation P.O. Box 3999 Atlanta, GA 30302		PC	Support of After-School All-Stars program and summer academy at Sylvan Hills Middle School.	284,000.
Goshen Valley Foundation 505 Brown Industrial Pkwy., Suite 200 Canton, GA 30114		PC	Construction of the Goshen Community Wellness Center on the Goshen Valley Boys Ranch campus.	400,000.
Home of Hope at Gwinnett Children's Shelter P.O. Box 527 Buford, GA 30515		PC	Repairs to shelter facilities serving homeless mothers and their children.	200,000.
Horizons Atlanta 177 North Avenue, NW, 3rd Floor, Suite 11 Atlanta, GA 30332		PC	Two-year support of expansion of academic enrichment program.	300,000.
KidsPeace Corporation 101 KidsPeace Drive Bowdon, GA 30108		PC	Improvements to boys' wing at Bowdon campus, a residential treatment facility for youth with mental	350,000.
Total from continuation sheets				

Part XV Supplementary Information**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
KIPP Metro Atlanta 1445 Maynard Road, NW Atlanta, GA 30331		PC	Capital campaign to renovate facilities for KIPP Atlanta Collegiate and KIPP Soul.	2,000,000.
LaAmistad 3434 Roswell Road, NW Atlanta, GA 30305		PC	Expansion of afterschool program serving Latino students to three new sites.	129,000.
Meals on Wheels Atlanta 1705 Commerce Drive, NW Atlanta, GA 30318		PC	Construction of kitchen and pantry as part of \$3 million campaign for facility updates to meet	500,000.
Meridian Educational Resource Group 1353 George W. Brumley Way, SE Atlanta, GA 30317		PC	Renovation of building to house Whitefoord's Family Medical Center.	250,000.
Promise686, Inc. 22 Technology Parkway South Norcross, GA 30092		PC	Technology updates for organization engaging churches to support children in foster care.	40,000.
Purpose Built Schools Atlanta 1670 Benjamin Weldon Bickers Drive, SE Atlanta, GA 30315		PC	Support of Community Engagement Program at four schools that are part of Atlanta Public Schools' turnaround	1,000,000.
Quality Care for Children 2751 Buford Highway, Suite 500 Atlanta, GA 30324		PC	Costs related to relocation of headquarters and technology upgrades.	250,000.
Restoration Storehouse Center Association 2461 O'Neal Road, SW Conyers, GA 30094		SO I	Development of a community resource center to serve the Rockdale community.	500,000.
St. Vincent de Paul Georgia 2050-C Chamblee Tucker Road Atlanta, GA 30341		PC	Purchase and renovation of building in Chamblee to serve low-income individuals and families.	700,000.
Teach for America - Metro Atlanta 1360 Peachtree St. NE, Suite 1100 Atlanta, GA 30309		PC	Operating support for the recruitment, training and placement of corps members in metro Atlanta schools.	500,000.
Total from continuation sheets				

Part XV Supplementary Information

3 Grants and Contributions Paid During the Year (Continuation)

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
The Kindezi Schools 386 Pine Street, NE Atlanta, GA 30308		PC	Support of wraparound services at Gideons Elementary School.	250,000.
The Posse Foundation 101 Marietta Street, NW, Suite 1040 Atlanta, GA 30303		PC	Support of program to recruit metro Atlanta high school students to attend selective colleges on full	200,000.
United Way of Greater Atlanta 40 Courtland Street, NE, Suite 300 Atlanta, GA 30303		PC	Priority initiatives of Smart Start to improve the quality and accessibility of early childhood	9,877,000.
United Way of Greater Atlanta 40 Courtland Street, NE, Suite 300 Atlanta, GA 30303		PC	Priority initiatives of the Regional Commission on Homelessness.	5,180,000.
United Way of Greater Atlanta 40 Courtland Street, NE, Suite 300 Atlanta, GA 30303		PC	Support of HomeFirst, a public/private partnership to build new low-barrier shelters, expand	5,000,018.
Voices for Georgia's Children 75 Marietta Street, NW, Suite 401 Atlanta, GA 30303		PC	Operating support for child policy and advocacy organization.	250,000.
Westside Future Fund P.O. Box 92273 Atlanta, GA 30314		PC	Support of comprehensive wraparound services for students at Hollis Innovation Academy.	500,000.
Total from continuation sheets				

Part XV Supplementary Information

3 Grants and Contributions Approved for Future Payment (Continuation)

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
Children's Healthcare of Atlanta 1600 Tullie Circle, NE Atlanta, GA 30329		PC	Implementation of the Marcus Autism Center's five-year strategic plan to focus on the early diagnosis and	15,000,000.
Covenant House Georgia 1559 Johnson Road, NW Atlanta, GA 30318		PC	\$7.5 million campaign to renovate and expand facilities to serve homeless youth.	750,000.
Friends of Refugees P.O. Box 548 Clarkston, GA 30021		PC	Construction of the Jolly Avenue Development Center to expand services for refugees.	750,000.
Good Samaritan Health Center of Gwinnett 5949 Buford Hwy. Norcross, GA 30071		PC	Relocation of East Gwinnett clinic to expand services.	350,000.
Goodwill of North Georgia 2201 Lawrenceville Hwy, Suite 300 Decatur, GA 30033		PC	Establishment of two Career Centers as part of workforce development expansion.	1,000,000.
LaAmistad 3434 Roswell Road, NW Atlanta, GA 30305		PC	Expansion of afterschool program serving Latino students to three new sites.	194,000.
L'Arche Atlanta P.O. Box 2359 Decatur, GA 30031		PC	Purchase and renovation of a home for individuals with intellectual and developmental	175,000.
Total from continuation sheets				18,219,000.

Part XV Supplementary Information

3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

Name of Recipient - Access to Capital for Entrepreneurs

Support of strategic growth plan for certified Community Development

Financial Institution that provides loans and development services to underserved markets.

Name of Recipient - Bethany Christian Services of Georgia

Technology upgrades and purchase of vehicles to meet increased demand for foster care and counseling services.

Name of Recipient - Bobby Dodd Institute

Implementation of strategic plan to improve services and expand employment opportunities for the disabled.

Name of Recipient - Children's Healthcare of Atlanta

Implementation of the Marcus Autism Center's five-year strategic plan to focus on the early diagnosis and treatment of autism.

Name of Recipient - Communities in Schools of Georgia

Operating support of CISGA, which works to improve academic performance and reduce dropouts among at-risk youth.

Name of Recipient - Community Foundation for Greater Atlanta fbo

redefinED Atlanta

Expansion of the Relay Graduate School of Education's teacher residency program to Atlanta. Payable over three years.

Name of Recipient - Georgia CASA

Operating support (\$400,000) and support of growth plan (\$100,000) for

Part XV Supplementary Information

3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

organization providing advocates for children in foster care.

Name of Recipient - Georgia Community Support & Solutions dba InCommunity
Relocation and consolidation of offices and renovation of North Fulton
location to expand day and vocational services for the disabled.

Name of Recipient - Georgia Partnership for Excellence in Education
Operating support for organization working to improve K-12 public
education through research and public policy.

Name of Recipient - Georgia State University Research Foundation
Support of After-School All-Stars program and summer academy at Sylvan
Hills Middle School. Payable over three years.

Name of Recipient - KidsPeace Corporation
Improvements to boys' wing at Bowdon campus, a residential treatment
facility for youth with mental health and behavioral challenges.

Name of Recipient - Meals on Wheels Atlanta
Construction of kitchen and pantry as part of \$3 million campaign for
facility updates to meet increased demand for services.

Name of Recipient - Purpose Built Schools Atlanta
Support of Community Engagement Program at four schools that are part
of Atlanta Public Schools' turnaround strategy. Payable over three
years.

Name of Recipient - The Posse Foundation

Part XV Supplementary Information

3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

Support of program to recruit metro Atlanta high school students to attend selective colleges on full scholarships.

Name of Recipient - United Way of Greater Atlanta

Priority initiatives of Smart Start to improve the quality and accessibility of early childhood education in metro Atlanta.

Name of Recipient - United Way of Greater Atlanta

Support of HomeFirst, a public/private partnership to build new low-barrier shelters, expand permanent supportive housing, and enhance access and outreach efforts to assist the chronically homeless. Payable over three years.

Name of Recipient - Westside Future Fund

Support of comprehensive wraparound services for students at Hollis Innovation Academy. Payable over three years.

Part XV | **Supplementary Information**

3b Grants and Contributions Approved for Future Payment Continuation of Purpose of Grant or Contribution

Name of Recipient - Access to Capital for Entrepreneurs

Support of strategic growth plan for certified Community Development

Financial Institution that provides loans and development services to underserved markets.

Name of Recipient - Atlanta Mission

Development of low-barrier shelter for women and children at the Atlanta Day Shelter facility on Ethel Street.

Name of Recipient - Children's Healthcare of Atlanta

Implementation of the Marcus Autism Center's five-year strategic plan to focus on the early diagnosis and treatment of autism.

Name of Recipient - L'Arche Atlanta

Purchase and renovation of a home for individuals with intellectual and developmental disabilities.

Name **Joseph B. Whitehead Foundation** Employer identification number **58-6001954**

Note: Generally, the corporation is not required to file Form 2220 (see Part II below for exceptions) because the IRS will figure any penalty owed and bill the corporation. However, the corporation may still use Form 2220 to figure the penalty. If so, enter the amount from page 2, line 38, on the estimated tax penalty line of the corporation's income tax return, but **do not** attach Form 2220.

Part I Required Annual Payment			
1	Total tax (see instructions)	1	993,891.
2a	Personal holding company tax (Schedule PH (Form 1120), line 26) included on line 1	2a	
2b	Look-back interest included on line 1 under section 460(b)(2) for completed long-term contracts or section 167(g) for depreciation under the income forecast method	2b	
2c	Credit for federal tax paid on fuels (see instructions)	2c	
2d	Total. Add lines 2a through 2c	2d	
3	Subtract line 2d from line 1. If the result is less than \$500, do not complete or file this form. The corporation does not owe the penalty	3	993,891.
4	Enter the tax shown on the corporation's 2018 income tax return. See instructions. Caution: If the tax is zero or the tax year was for less than 12 months, skip this line and enter the amount from line 3 on line 5	4	531,117.
5	Required annual payment. Enter the smaller of line 3 or line 4. If the corporation is required to skip line 4, enter the amount from line 3	5	531,117.

Part II Reasons for Filing - Check the boxes below that apply. If any boxes are checked, the corporation **must** file Form 2220 even if it does not owe a penalty. See instructions.

6 The corporation is using the adjusted seasonal installment method.

7 The corporation is using the annualized income installment method.

8 The corporation is a "large corporation" figuring its first required installment based on the prior year's tax.

Part III Figuring the Underpayment		(a)	(b)	(c)	(d)
9	Installment due dates. Enter in columns (a) through (d) the 15th day of the 4th (Form 990-PF filers: Use 5th month), 6th, 9th, and 12th months of the corporation's tax year	05/15/19	06/15/19	09/15/19	12/15/19
10	Required installments. If the box on line 6 and/or line 7 above is checked, enter the amounts from Sch A, line 38. If the box on line 8 (but not 6 or 7) is checked, see instructions for the amounts to enter. If none of these boxes are checked, enter 25% (0.25) of line 5 above in each column	10,171.	12,904.	369,423.	287,886.
11	Estimated tax paid or credited for each period. For column (a) only, enter the amount from line 11 on line 15. See instructions	10,858.	15,000.	370,000.	605,000.
Complete lines 12 through 18 of one column before going to the next column.					
12	Enter amount, if any, from line 18 of the preceding column		687.	2,783.	3,360.
13	Add lines 11 and 12		15,687.	372,783.	608,360.
14	Add amounts on lines 16 and 17 of the preceding column				
15	Subtract line 14 from line 13. If zero or less, enter -0-	10,858.	15,687.	372,783.	608,360.
16	If the amount on line 15 is zero, subtract line 13 from line 14. Otherwise, enter -0-		0.	0.	
17	Underpayment. If line 15 is less than or equal to line 10, subtract line 15 from line 10. Then go to line 12 of the next column. Otherwise, go to line 18				
18	Overpayment. If line 10 is less than line 15, subtract line 10 from line 15. Then go to line 12 of the next column	687.	2,783.	3,360.	

Go to Part IV on page 2 to figure the penalty. Do not go to Part IV if there are no entries on line 17 - no penalty is owed.

Part IV Figuring the Penalty

	(a)	(b)	(c)	(d)
19 Enter the date of payment or the 15th day of the 4th month after the close of the tax year, whichever is earlier. (C corporations with tax years ending June 30 and S corporations: Use 3rd month instead of 4th month. Form 990-PF and Form 990-T filers: Use 5th month instead of 4th month.) See instructions 19				
20 Number of days from due date of installment on line 9 to the date shown on line 19	20			
21 Number of days on line 20 after 4/15/2019 and before 7/1/2019	21			
22 Underpayment on line 17 x $\frac{\text{Number of days on line 21} \times 6\% (0.06)}{365}$...	22 \$	\$	\$	\$
23 Number of days on line 20 after 06/30/2019 and before 10/1/2019	23			
24 Underpayment on line 17 x $\frac{\text{Number of days on line 23} \times 5\% (0.05)}{365}$...	24 \$	\$	\$	\$
25 Number of days on line 20 after 9/30/2019 and before 1/1/2020	25			
26 Underpayment on line 17 x $\frac{\text{Number of days on line 25} \times 5\% (0.05)}{365}$...	26 \$	\$	\$	\$
27 Number of days on line 20 after 12/31/2019 and before 4/1/2020	27			
28 Underpayment on line 17 x $\frac{\text{Number of days on line 27} \times 5\% (0.05)}{366}$...	28 \$	\$	\$	\$
29 Number of days on line 20 after 3/31/2020 and before 7/1/2020	29			
30 Underpayment on line 17 x $\frac{\text{Number of days on line 29} \times \%}{366}$	30 \$	\$	\$	\$
31 Number of days on line 20 after 6/30/2020 and before 10/1/2020	31			
32 Underpayment on line 17 x $\frac{\text{Number of days on line 31} \times \%}{366}$	32 \$	\$	\$	\$
33 Number of days on line 20 after 9/30/2020 and before 1/1/2021	33			
34 Underpayment on line 17 x $\frac{\text{Number of days on line 33} \times \%}{366}$	34 \$	\$	\$	\$
35 Number of days on line 20 after 12/31/2020 and before 3/16/2021	35			
36 Underpayment on line 17 x $\frac{\text{Number of days on line 35} \times \%}{365}$	36 \$	\$	\$	\$
37 Add lines 22, 24, 26, 28, 30, 32, 34, and 36	37 \$	\$	\$	\$
38 Penalty. Add columns (a) through (d) of line 37. Enter the total here and on Form 1120, line 34; or the comparable line for other income tax returns	38 \$			0.

* Use the penalty interest rate for each calendar quarter, which the IRS will determine during the first month in the preceding quarter. These rates are published quarterly in an IRS News Release and in a revenue ruling in the Internal Revenue Bulletin. To obtain this information on the Internet, access the IRS website at www.irs.gov. You can also call 1-800-829-4933 to get interest rate information.

Schedule A Adjusted Seasonal Installment Method and Annualized Income Installment Method

See instructions.

Form 1120-S filers: For lines 1, 2, 3, and 21, "taxable income" refers to excess net passive income or the amount on which tax is imposed under section 1374(a), whichever applies.

Part I Adjusted Seasonal Installment Method

Caution: Use this method only if the base period percentage for any 6 consecutive months is at least 70%. See instructions.

		(a)	(b)	(c)	(d)
		First 3 months	First 5 months	First 8 months	First 11 months
1 Enter taxable income for the following periods.					
a Tax year beginning in 2016	1a				
b Tax year beginning in 2017	1b				
c Tax year beginning in 2018	1c				
2 Enter taxable income for each period for the tax year beginning in 2019. See the instructions for the treatment of extraordinary items	2				
3 Enter taxable income for the following periods.		First 4 months	First 6 months	First 9 months	Entire year
a Tax year beginning in 2016	3a				
b Tax year beginning in 2017	3b				
c Tax year beginning in 2018	3c				
4 Divide the amount in each column on line 1a by the amount in column (d) on line 3a	4				
5 Divide the amount in each column on line 1b by the amount in column (d) on line 3b	5				
6 Divide the amount in each column on line 1c by the amount in column (d) on line 3c	6				
7 Add lines 4 through 6	7				
8 Divide line 7 by 3.0	8				
9a Divide line 2 by line 8	9a				
b Extraordinary items (see instructions)	9b				
c Add lines 9a and 9b	9c				
10 Figure the tax on the amt on ln 9c using the instr for Form 1120, Sch J, line 2, or comparable line of corp's return	10				
11a Divide the amount in columns (a) through (c) on line 3a by the amount in column (d) on line 3a	11a				
b Divide the amount in columns (a) through (c) on line 3b by the amount in column (d) on line 3b	11b				
c Divide the amount in columns (a) through (c) on line 3c by the amount in column (d) on line 3c	11c				
12 Add lines 11a through 11c	12				
13 Divide line 12 by 3.0	13				
14 Multiply the amount in columns (a) through (c) of line 10 by columns (a) through (c) of line 13. In column (d), enter the amount from line 10, column (d)	14				
15 Enter any alternative minimum tax (trusts only) for each payment period. See instructions	15				
16 Enter any other taxes for each payment period. See instr.	16				
17 Add lines 14 through 16	17				
18 For each period, enter the same type of credits as allowed on Form 2220, lines 1 and 2c. See instructions	18				
19 Total tax after credits. Subtract line 18 from line 17. If zero or less, enter -0-	19				

Part II ^{**} Annualized Income Installment Method

		(a)	(b)	(c)	(d)	
		First <u>2</u> months	First <u>3</u> months	First <u>6</u> months	First <u>9</u> months	
20	Annualization periods (see instructions)	20				
21	Enter taxable income for each annualization period. See instructions for the treatment of extraordinary items	21	339,037.	576,861.	13,083,260.	25,514,463.
22	Annualization amounts (see instructions)	22	6.000000	4.000000	2.000000	1.333330
23a	Annualized taxable income. Multiply line 21 by line 22	23a	2,034,222.	2,307,444.	26,166,520.	34,019,199.
23b	Extraordinary items (see instructions)	23b				
23c	Add lines 23a and 23b	23c	2,034,222.	2,307,444.	26,166,520.	34,019,199.
24	Figure the tax on the amount on line 23c using the instructions for Form 1120, Schedule J, line 2, or comparable line of corporation's return	24	40,684.	46,149.	523,330.	680,384.
25	Enter any alternative minimum tax (trusts only) for each payment period (see instructions)	25				
26	Enter any other taxes for each payment period. See instr.	26				
27	Total tax. Add lines 24 through 26	27	40,684.	46,149.	523,330.	680,384.
28	For each period, enter the same type of credits as allowed on Form 2220, lines 1 and 2c. See instructions	28				
29	Total tax after credits. Subtract line 28 from line 27. If zero or less, enter -0-	29	40,684.	46,149.	523,330.	680,384.
30	Applicable percentage	30	25%	50%	75%	100%
31	Multiply line 29 by line 30	31	10,171.	23,075.	392,498.	680,384.

Part III Required Installments

		1st installment	2nd installment	3rd installment	4th installment	
Note: Complete lines 32 through 38 of one column before completing the next column.						
32	If only Part I or Part II is completed, enter the amount in each column from line 19 or line 31. If both parts are completed, enter the smaller of the amounts in each column from line 19 or line 31	32	10,171.	23,075.	392,498.	680,384.
33	Add the amounts in all preceding columns of line 38. See instructions	33		10,171.	23,075.	392,498.
34	Adjusted seasonal or annualized income installments. Subtract line 33 from line 32. If zero or less, enter -0-	34	10,171.	12,904.	369,423.	287,886.
35	Enter 25% (0.25) of line 5 on page 1 of Form 2220 in each column. Note: "Large corporations," see the instructions for line 10 for the amounts to enter	35	132,779.	364,166.	248,473.	248,473.
36	Subtract line 38 of the preceding column from line 37 of the preceding column	36		122,608.	473,870.	352,920.
37	Add lines 35 and 36	37	132,779.	486,774.	722,343.	601,393.
38	Required installments. Enter the smaller of line 34 or line 37 here and on page 1 of Form 2220, line 10. See instructions	38	10,171.	12,904.	369,423.	287,886.

Form 2220 (2019)

**** Annualized Income Installment Method Using Standard Option**

Form 990-PF Interest on Savings and Temporary Cash Investments Statement 1

Source	(a) Revenue Per Books	(b) Net Investment Income	(c) Adjusted Net Income
CASH EQUIVALENTS	228,441.	228,441.	
Total to Part I, line 3	228,441.	228,441.	

Form 990-PF Dividends and Interest from Securities Statement 2

Source	Gross Amount	Capital Gains Dividends	(a) Revenue Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income
DIVIDENDS	49,760,198.	0.	49,760,198.	49,760,198.	
To Part I, line 4	49,760,198.	0.	49,760,198.	49,760,198.	

Form 990-PF Rental Income Statement 3

Kind and Location of Property	Activity Number	Gross Rental Income
PEACHTREE CENTER LAND, ATLANTA	1	45,000.
Total to Form 990-PF, Part I, line 5a		45,000.

Form 990-PF Rental Expenses Statement 4

Description	Activity Number	Amount	Total
COMMISSION		2,250.	
- Subtotal -	1		2,250.
Total rental expenses			2,250.
Net rental Income to Form 990-PF, Part I, line 5b			42,750.

Form 990-PF	Accounting Fees			Statement 5
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
AUDIT FEES	15,389.	769.		14,620.
To Form 990-PF, Pg 1, ln 16b	15,389.	769.		14,620.

Form 990-PF	Other Professional Fees			Statement 6
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
CONSULTANT FEES	1,000.	1,000.		0.
INVESTMENT FEES	247,811.	247,811.		0.
BENEFIT CONSULTANTS	6,278.	314.		5,964.
To Form 990-PF, Pg 1, ln 16c	255,089.	249,125.		5,964.

Form 990-PF	Taxes			Statement 7
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
EXCISE TAX	1,002,000.	0.		0.
To Form 990-PF, Pg 1, ln 18	1,002,000.	0.		0.

Form 990-PF

Other Expenses

Statement 8

Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
COMPUTER	16,651.	832.		15,819.
OFFICE INSURANCE	5,986.	299.		5,687.
SUPPLIES	1,034.	52.		982.
ORGANIZATION DUES	10,337.	347.		9,990.
POSTAGE	821.	41.		780.
REPAIRS AND MAINTENANCE	642.	32.		610.
FURNITURE AND EQUIPMENT	1,698.	85.		1,613.
TELEPHONE	1,232.	62.		1,170.
MISCELLANEOUS	312.	16.		296.
COMMISSION	2,250.	2,250.		0.
To Form 990-PF, Pg 1, ln 23	40,963.	4,016.		36,947.

Form 990-PF

Depreciation of Assets Not Held for Investment

Statement 9

Description	Cost or Other Basis	Accumulated Depreciation	Book Value	Fair Market Value
OFFICE FURNITURE	42,194.	42,194.	0.	
LEASEHOLD IMPROVEMENTS	19,220.	10,698.	8,522.	8,522.
To 990-PF, Part II, ln 14	61,414.	52,892.	8,522.	8,522.

Form 990-PF

Corporate Stock

Statement 10

Description	Book Value	Fair Market Value
1 800 FLOWERS COM INC	1,561.	2,277.
3M CO	32,600.	182,595.
51JOB INC SPONSORED	4,559.	5,688.
58.COM INC SPONSORED	4,067.	3,884.
8X8 INC	15,172.	11,474.
A10 NETWORKS INC	3,105.	2,803.
AAC TECH HOLDINGS UNSPONSORED	9,591.	5,974.
AAON INC	12,407.	12,254.
AARONS INC	10,350.	20,617.
ABB LTD SPONSORED	11,345.	11,105.
ABBOTT LABS	144,556.	274,564.
ABBVIE INC	147,542.	233,391.
ABIOMED INC	32,651.	14,500.
ACACIA COMMUNICATIONS INC	15,655.	16,410.
ACADIA HEALTHCARE	220,426.	173,541.
ACADIA PHARMACEUTICALS INC	17,508.	28,577.
ACCELERATE DIAGNOSTICS INC	3,150.	2,789.
ACCELERON PHARMA INC	12,378.	15,535.
ACCENTURE PLC CL A	130,599.	238,576.
ACCOR SA SPONSORED	7,371.	7,280.
ACCURAY INC	3,032.	2,349.
ACI WORLDWIDE INC	22,432.	24,966.
ACS ACTIVIDADES DE CONS UNSPONSORED	6,270.	7,103.
ACTIVISION BLIZZARD, INC	66,065.	83,247.
ACTUANT CORP CL A	2,926.	3,384.
ADDUS HOMECARE CORP	2,044.	5,736.
ADECCO GROUP AG UNSPONSORED	4,437.	3,606.
ADESTO TECHNOLOGIES CORP	3,005.	3,026.
ADIDAS AG SPONSORED	11,777.	16,606.
ADMA BIOLOGICS INC	1,090.	1,044.
ADOBE INC	84,770.	285,286.
ADVANCED AUTO PARTS	23,703.	19,540.
ADVANCED DISPOSAL SERVICES INC	13,352.	13,575.
ADVANCED DRAINAGE SYSTEMS INC	7,170.	8,545.
ADVANCED EMISSIONS SOLUTIONS INC	2,987.	2,447.
ADVANCED ENERGY INDS INC	12,384.	16,305.
ADVANCED MICRO DEVICES INC	37,919.	90,711.
ADVANCED MICRO DEVICES INC	167,476.	193,392.
ADVERUM BIOTECHNOLOGIES INC	4,924.	3,698.
AEGON NV	5,572.	4,331.

AERCAP HOLDINGS NV	6,319.	7,561.
AERIE PHARMACEUTICALS INC	6,104.	6,139.
AEROJET ROCKETDYNE HOLDINGS INC	13,928.	14,155.
AEROVIRONMENT INC	7,842.	7,964.
AES CORP	11,554.	21,711.
AFLAC INC	41,474.	69,087.
AGEAS SPONSORED	13,509.	17,012.
AGENUS INC	2,976.	4,770.
AGILENT TECHNOLOGIES INC	22,935.	45,300.
AGILYSYS INC	4,058.	4,243.
AGNICO EAGLE MINES LTD	5,105.	7,455.
AGRICULTURAL BANK CHINA UNSPONSORED	4,592.	4,352.
AIA GROUP LTD SPONSORED	33,848.	45,415.
AIMMUNE THERAPEUTICS INC	5,111.	9,003.
AIR PRODUCTS & CHEMICALS INC	52,097.	91,881.
AIR TRANSPORT SERVICES GRP INC	8,324.	8,281.
AIRBUS SE UNSPONSORED	16,695.	26,681.
AK STL HLDG CORP	2,985.	4,290.
AKAMAI TECHNOLOGIES INC	17,806.	24,446.
AKBANK T.A.S SPONSORED	2,048.	2,767.
AKCEA THERAPEUTICS INC	5,904.	5,031.
AKTIEBOLAGET ELECTROLUX SPONSORED	5,874.	4,357.
AKZO NOBEL NV SPONSORED	9,355.	9,091.
ALAMO GROUP INC	3,383.	6,529.
ALARM.COM HOLDINGS INC	11,489.	9,539.
ALASKA AIR GROUP INC	13,378.	13,821.
ALBANY INTL CORP - CL A	13,774.	13,286.
ALBEMARLE CORP	14,436.	13,293.
ALBIREO PHARMA INC	3,091.	2,669.
ALCON INC	3,059.	2,772.
ALECTOR INC	3,027.	3,670.
ALEXANDER'S INC	3,027.	2,643.
ALEXANDRIA REAL ESTATE EQUITIES INC	21,851.	31,347.
ALEXION PHARMACEUTICALS INC	67,677.	44,342.
ALEXION PHARMACEUTICALS INC	122,417.	102,310.
ALFA LAVAL AB UNSPONSORED	6,132.	6,386.
ALIBABA GROUP HOLDING LTD SPONSORED	462,471.	703,112.
ALIBABA GROUP HOLDING LTD SPONSORED	58,986.	70,629.
ALIGN TECHNOLOGY INC	22,469.	37,949.
ALLAKOS INC	5,483.	12,492.
ALLEGiant TRAVEL	11,977.	14,097.
ALLEGION PLC	10,238.	19,553.
ALLERGAN PLC	159,532.	113,173.
ALLIANCE DATA SYSTEMS CORP	23,862.	8,976.
ALLIANT CORP	15,433.	20,903.
ALLIANZ SE SPONSORED	28,641.	31,449.
ALLIED MOTION TECHNOLOGIES INC	3,009.	3,735.
ALLOGENE THERAPEUTICS INC	6,599.	6,079.
ALLSTATE CORP	37,147.	67,133.
ALPHABET INC CL A	416,855.	716,574.
ALPHABET INC CL A	733,332.	1,204,112.
ALPHABET INC CL C	408,535.	717,980.
ALPHABET INC CL C	331,304.	593,637.
ALTAIR ENGINEERING INC	9,693.	8,367.
ALTRIA GROUP INC	206,374.	166,899.
ALTUS MIDSTREAM CO	3,001.	2,517.
ALUMINA LTD SPONSORED	4,074.	3,667.
ALUMINUM CORP OF CHINA LTD SPONSORED	2,400.	2,242.

AMADEUS IT GROUP S.A. UNSPONSORED	11,320.	12,677.
AMAZON.COM INC	571,365.	1,378,489.
AMAZON.COM INC	744,327.	1,894,036.
AMBARELLA INC	3,237.	4,179.
AMBEV SA SPONSORED	8,391.	6,133.
AMCOR PLC	33,560.	32,672.
AMEDISYS INC	22,678.	31,548.
AMEREN CORP	23,384.	34,637.
AMERICA MOVIL SAB DE CD SPONSORED	5,324.	4,592.
AMERICAN AIRLINES GROUP INC	32,843.	20,535.
AMERICAN ASSETS TRUST INC	13,052.	12,898.
AMERICAN CAMPUS COMMUNITIES INC	332,988.	327,611.
AMERICAN EAGLE OUTFITTERS INC	18,082.	12,539.
AMERICAN ELEC PWR INC	19,416.	84,964.
AMERICAN EXPRESS CO	90,128.	150,882.
AMERICAN INTL GROUP INC	99,226.	80,691.
AMERICAN SOFTWARE CLASS A	7,771.	8,035.
AMERICAN STS WTR CO	16,818.	19,147.
AMERICAN TOWER CORP	84,194.	179,719.
AMERICAN WATER WORKS CO INC	25,180.	41,769.
AMERICAN WOODMARK CORP	6,689.	9,615.
AMERICA'S CAR-MART INC	1,473.	4,715.
AMERIPRISE FINANCIAL INC	26,078.	37,980.
AMERIS BANCORP	2,947.	3,361.
AMERISOURCEBERGEN CORP	26,307.	22,785.
AMETEK INC	20,662.	38,001.
AMGEN INC	174,344.	257,222.
AMICUS THERAPEUTICS INC	20,768.	15,974.
AMN HEALTHCARE SVCS INC	18,166.	17,322.
AMNEAL PHARMACEUTICALS INC CL A	3,127.	4,420.
AMPHASTAR PHARMACEUTICALS INC	4,329.	4,167.
AMPHENOL CORP	27,644.	54,656.
ANALOG DEVICES INC	46,145.	78,197.
ANAPTYSBIO INC	6,794.	2,048.
ANGLO AMERICAN PLC SPONSORED	7,878.	11,994.
ANGLOGOLD ASHANTI LIMITED SPONSORED	3,454.	8,489.
ANHEUSER BUSCH INBEV SPONSORED	25,984.	18,049.
ANI PHARMACEUTICALS, INC	3,879.	2,960.
ANSYS INC	21,707.	40,671.
ANTA SPORTS PRODUCTS UNSPONSORED	17,500.	19,279.
ANTARES PHARMA INC	3,070.	4,747.
ANTERIX INC	2,833.	2,765.
ANTHEM INC	66,044.	136,820.
AON PLC	40,666.	87,482.
APACHE CORP	29,287.	16,096.
APARTMENT INVT & MGMT CO CL A	10,664.	13,326.
APELLIS PHARMACEUTICALS INC	7,910.	8,941.
APOGEE ENTERPRISES INC	5,438.	4,355.
APOLLO MEDICAL HOLDINGS INC	1,432.	1,602.
APPFOLIO INC CL A	5,109.	10,115.
APPIAN CORP CL A	6,059.	7,489.
APPLE INC	908,989.	2,195,034.
APPLE INC	509,386.	878,894.
APPLIED INDL TECHNOLOGIES INC	13,349.	15,472.
APPLIED MATERIALS INC	27,607.	100,411.
APTARGROUP INC	130,209.	174,933.
APTIV PLC	31,580.	41,882.
APTIV PLC	338,649.	371,713.

AQUAVENTURE HOLDINGS LTD	3,038.	4,475.
ARCHER DANIELS MIDLAND CO	46,728.	48,065.
ARCONIC INC	13,867.	19,908.
ARENA PHARMACEUTICALS INC	14,781.	10,946.
ARES MANAGEMENT CORP CL A	8,745.	8,958.
ARGAN INC	3,061.	3,011.
ARISTA NETWORKS INC	27,076.	18,713.
ARKEMA SPONSORED	7,608.	6,697.
ARMADA HOFFLER PROPERTIES INC	3,008.	3,303.
ARQULE INC	6,773.	13,553.
ARROWHEAD PHARMACEUTICALS INC	16,062.	35,711.
ARTISAN PARTNERS	4,581.	5,236.
ARTISAN PARTNERS	91,985.	102,067.
ARVINAS INC	2,837.	4,602.
ASBURY AUTOMOTIVE GROUP	9,770.	12,968.
ASE INDUSTRIAL HOLDING CO SPONSORED	10,359.	13,049.
ASGN INC	21,994.	19,162.
ASHAI KASEI CORP UNSPONSORED	9,050.	8,159.
ASHTAD GROUP PLC UNSPONSORED	2,541.	3,354.
ASML HOLDING NV	244,509.	368,741.
ASML HOLDING NV	13,060.	23,083.
ASPEN PHARMACARE HLDGS UNSPONSORED	4,232.	1,516.
ASSA ABLOY UNSPONSORED	8,280.	8,780.
ASSOC BRITISH FOODS LMTD UNSPONSORED	8,744.	7,172.
ASSURANT INC	7,245.	11,666.
ASTELLAS PHARMA INC UNSPONSORED	7,681.	10,031.
ASTRAZENECA PLC SPONSORED	21,785.	32,808.
ASTRONICS CORP	5,607.	4,109.
ASTRONOVA INC	2,964.	1,633.
AT&T INC	211,858.	512,261.
ATARA BIOTHERAPEUTICS INC	5,024.	5,600.
ATHENEX INC	6,847.	5,451.
ATKORE INTERNATIONAL GROUP INC	7,151.	11,288.
ATLANTIA S.P.A UNSPONSORED	10,961.	7,954.
ATLANTIC UNION BANKSHARES CORP	194,553.	193,570.
ATLAS COPCO AB SPONSORED	7,654.	7,468.
ATLAS CORPCO AB SPONSORED	5,631.	5,164.
ATLASSIAN CORP PLC CL A	29,794.	30,446.
ATMOS ENERGY CORPORATION	19,482.	22,708.
ATOS ORIGIN SA UNSPONSORED	6,485.	3,597.
ATRICURE INC	6,937.	7,282.
ATRION CORP	7,875.	7,515.
AU OPTRONICS CORP SPONSORED	21,994.	19,031.
AUDENTES THERAPEUTICS INC	9,665.	15,858.
AURORA INNOVATION INC	17,926.	17,926.
AUSTRALIA & NEW ZEALAND SPONSORED	21,883.	15,640.
AUTODESK INC	25,648.	72,650.
AUTOHOME INC SPONSORED	4,689.	5,441.
AUTOMATIC DATA PROCESSING INC	69,456.	131,456.
AUTOZONE INC	35,680.	54,800.
AVALONBAY COMMUNITIES INC	42,046.	49,909.
AVANTOR INC	117,126.	150,645.
AVERY DENNISON CORP	9,383.	19,100.
AVID BIOSERVICES INC	2,908.	3,597.
AVID TECHNOLOGY INC	2,977.	2,531.
AVIS BUDGET GROUP	12,902.	11,510.
AVIVA PLC SPONSORED	10,203.	8,177.
AVROBIO INC	3,166.	2,718.

AXA SPONSORED	13,319.	12,665.
AXOGEN INC	3,439.	4,634.
AXON ENTERPRISE INC	14,650.	25,795.
AXONICS MODULATION TECHNOLOGIES INC	6,546.	5,653.
AXOS FINANCIAL INC	9,074.	6,722.
AXSOME THERAPEUTICS INC	3,679.	15,194.
AZZ INC	2,976.	2,987.
BADGER METER INC	9,885.	11,233.
BAE SYSTEMS PLC SPONSORED	8,639.	7,631.
BAIDU INC SPONSORED	14,992.	7,963.
BAKER HUGHES CO	48,009.	30,090.
BALCHEM CORP	19,237.	19,818.
BALL CORP	22,266.	37,573.
BANCO BILBAO VIZCAYA SPONSORED	13,454.	8,437.
BANCO BRADESCO SPONSORED	8,285.	8,511.
BANCO DE CHILE SPONSORED	3,976.	2,897.
BANCO DO BRASIL SPONSORED	4,592.	6,138.
BANCO MACRO SA SPONSORED	2,318.	1,740.
BANCO SANTANDER BRASIL SPONSORED	10,620.	13,113.
BANCO SANTANDER CHILE SPONSORED	4,073.	3,138.
BANCO SANTANDER SA SPONSORED	25,211.	15,508.
BANCOLOMBIA S.A. SPONSORED	4,734.	5,643.
BANDWIDTH INC CL A	6,413.	5,188.
BANK MONTREAL QUEBEC	11,289.	11,703.
BANK OF AMERICA CORP	250,613.	510,267.
BANK OF CHINA LTD UNSPONSORED	12,994.	11,183.
BANK OF NEW YORK MELLON CORP	65,800.	77,106.
BANK OF NOVA SCOTIA HALIFAX	15,491.	13,840.
BANK OF NT BUTTERFIELD & SON LTD	3,533.	3,998.
BAOZUN INC SPONSORED	1,570.	1,358.
BARCLAYS PLC SPONSORED	11,721.	11,129.
BARNES GROUP INC	2,896.	3,408.
BARRETT BUSINESS SVCS INC	3,796.	3,980.
BARRICK GOLD CORP	8,085.	11,805.
BASF SE SPONSORED	18,916.	13,475.
BAUDAX BIO INC	622.	858.
BAUSCH HEALTH COMPANIES INC	2,450.	5,206.
BAXTER INTL INC	39,201.	77,265.
BAYER AG SPONSORED	25,645.	15,798.
BAYERISCHE MOTOREN WERKE SPONSORED	5,403.	4,366.
BB SEGURIDADE PARTICIPACOS SPONSORED	3,956.	5,546.
BEACON ROOFING SUPPLY INC	2,959.	2,622.
BECTON DICKINSON & CO	80,937.	131,090.
BECTON DICKINSON & CO	339,352.	471,868.
BEIERSDORF AG UNSPONSORED	2,653.	2,604.
BENEFITFOCUS INC	4,799.	3,927.
BERKSHIRE HATHAWAY INC-CL B	511,132.	791,391.
BERRY GLOBAL GROUP INC	227,194.	197,084.
BEST BUY COMPANY INC	15,207.	38,456.
BHP BILLITON PLC SPONSORED	6,866.	8,838.
BHP GROUP LTD SPONSORED	18,675.	24,291.
BIDVEST GROUP LTD SPONSORED	4,002.	4,724.
BIGLARI HOLDINGS INC CL B	2,841.	1,259.
BIO RAD LABORATORIES CL A	252,697.	311,935.
BIOCRIST PHARMACEUTICALS INC	2,922.	2,905.
BIODELIVERY SCIENCES INTL INC	3,081.	4,993.
BIOGEN INC	89,410.	97,327.
BIOHAVEN PHARMACEUTICAL HOLDING CO	10,976.	13,610.

BIOSPECIFICS TECHNOLOGIES	3,010.	3,473.
BIOTELEMETRY INC	9,488.	9,260.
BJ'S RESTAURANTS	5,148.	4,745.
BJ'S RESTAURANTS	162,585.	182,398.
BJ'S WHOLESALE CLUB HOLDINGS	5,743.	5,344.
BJ'S WHOLESALE CLUB HOLDINGS	277,183.	242,954.
BLACKBAUD INC	24,299.	23,482.
BLACKBERRY LIMITED	2,948.	1,920.
BLACKLINE INC	12,833.	13,302.
BLACKROCK INC	75,727.	107,578.
BLOCK H & R INC	12,820.	8,101.
BLOOMIN BRANDS INC	9,890.	12,249.
BLUCORA INC	3,507.	5,489.
BLUEPRINT MEDICINES CORP	31,235.	26,036.
BLUEROCK RESIDENTIAL GROWTH	3,003.	3,085.
BNP PARIBAS SPONSORED	21,335.	15,884.
BOEING CO	152,755.	310,775.
BOEING CO	701,246.	1,105,629.
BOINGO WIRELESS INC	5,327.	2,573.
BOISE CASCADE CO	1,948.	2,009.
BOOKING HOLDINGS INC	108,186.	156,083.
BOOKING HOLDINGS INC	245,468.	291,630.
BOOT BARN HOLDINGS INC	3,313.	7,392.
BOOZ ALLEN HAMILTON HLDG	245,741.	476,571.
BORG WARNER AUTOMOTIVE INC	14,937.	14,229.
BOSTON BEER INC	19,524.	18,893.
BOSTON PROPERTIES INC	30,483.	33,914.
BOSTON SCIENTIFIC CORP	48,361.	109,478.
BOTTOMLINE TECHNOLOGIES DE INC	14,094.	16,884.
BOX INC	14,835.	14,531.
BOYD GAMING CORP	11,722.	13,263.
BP PLC SPONSORED	29,606.	30,003.
BRADY CORP CL A	12,023.	13,571.
BRAMBLES LTD SPONSORED	14,053.	15,090.
BRASKEM SA SPONSORED	3,893.	2,220.
BRENTAG AG UNSPONSORED	7,536.	7,355.
BRF SA SPONSORED	3,673.	2,410.
BRIDGEBIO PHARMA INC	2,212.	3,891.
BRIDGESTONE CORPORATION UNSPONSORED	10,340.	8,598.
BRIGHTCOVE INC	3,037.	2,259.
BRINKER INTL INC	6,794.	7,182.
BRINKS CO	29,938.	30,922.
BRISTOL MYERS SQUIBB CO	265,559.	270,689.
BRITISH AMERN TOB PLC SPONSORED	38,508.	26,962.
BROADCOM INC	108,402.	225,322.
BROADRIDGE FINL SOLUTIONS INC	25,280.	27,302.
BROOKFIELD ASSET MANAGE-CL A	16,394.	23,236.
BROOKS AUTOMATION INC	7,754.	15,567.
BROWN FORMAN CORP CL B	13,432.	19,536.
BUILDERS FIRSTSOURCE	9,634.	16,288.
BUNZL PLC SPONSORED	8,060.	7,255.
BURBERRY GROUP PLC SPONSORED	4,268.	5,192.
BURLINGTON STORES INC	120,670.	308,525.
BYD CO LTD UNSPONSORED	4,249.	2,518.
CABOT MICROELECTRONICS CORP	19,318.	25,400.
CABOT OIL & GAS CORP	16,720.	13,301.
CACTUS INC CL A	8,736.	9,747.
CADENCE DESIGN SYSTEMS INC	17,724.	32,114.

CAE INC	10,005.	15,876.
CALAVO GROWERS INC	6,949.	8,606.
CALIFORNIA WTR SVC GROUP	14,242.	14,076.
CAMECO CORP	3,917.	3,489.
CAMPBELL SOUP CO	16,876.	15,814.
CAMPING WORLD HOLDINGS INC	8,384.	2,786.
CANADIAN NATIONAL RAILWAY CO	17,466.	19,266.
CANADIAN NATURAL RESOURCES	12,282.	11,937.
CANADIAN PACIFIC RAILWAY LTD	8,323.	13,002.
CANON INC SPONSORED	21,604.	17,805.
CAPGEMINI SE UNSPONSORED	4,659.	4,702.
CAPITAL ONE FINANCIAL CORP	69,541.	87,268.
CAPRI HOLDINGS LTD	9,638.	9,538.
CARA THERAPEUTICS INC	4,792.	2,868.
CARDINAL HEALTH INC	43,633.	26,453.
CARDIOVASCULAR SYSTEM INC	9,054.	10,010.
CARDLYTICS INC	2,982.	6,789.
CARDTRONICS PLC CL A	5,082.	8,260.
CARE.COM INC	1,261.	2,104.
CAREDX INC	7,216.	5,026.
CAREER EDUCATION CORP	3,683.	8,000.
CARETRUST REIT INC	10,213.	8,871.
CARGURUS INC CL A	16,276.	15,761.
CARLSBERG A/S SPONSORED	6,519.	8,520.
CARMAX INC	17,538.	26,564.
CARNIVAL CORP	35,714.	34,259.
CARNIVAL PLC SPONSORED	8,598.	6,405.
CARREFOUR SA SPONSORED	6,234.	5,304.
CARS.COM INC	1,525.	721.
CARTERS INC	215,857.	241,860.
CARVANA CO CL A	66,499.	71,799.
CASA SYSTEMS INC	3,033.	1,885.
CASELLA WASTE SYSTEMS INC CL A	11,508.	12,382.
CASS INFORMATION SYS INC	4,095.	4,908.
CATALENT INC	245,007.	351,256.
CATALYST PHARMACEUTICALS INC	3,096.	2,745.
CATERPILLAR INC	75,927.	149,009.
CAVCO INDUSTRIES INC	8,041.	10,160.
CAVCO INDUSTRIES INC	215,295.	302,644.
CBOE GLOBAL MARKETS INC	14,752.	22,320.
CBRE GROUP INC	25,256.	38,613.
CDN IMPERIAL BK OF COMMERCE	7,612.	7,238.
CDW CORP	32,568.	38,424.
CELANESE CORP COMMON	20,943.	29,672.
CEL-SCI CORP	1,152.	1,217.
CELSIUS HOLDINGS INC	2,877.	3,082.
CEMEX SOUTH AMERICA SPONSORED	4,367.	1,830.
CENOVUS ENERGY INC	4,474.	4,588.
CENTENE CORP	27,160.	46,021.
CENTENE CORP	146,519.	178,614.
CENTERPOINT ENERGY INC	16,484.	22,689.
CENTRAIS ELETRICAS BRASIL SPONSORED	4,056.	5,639.
CENTRAL EUROPEAN MEDIA ENTRPRS CL-A	2,975.	3,171.
CENTRAL JAPAN RAI UNSPONSORED	7,442.	8,537.
CENTRICA PLC SPONSORED	7,051.	4,437.
CENTURY BANCORP INC CL A	1,926.	2,159.
CENTURY COMMUNITIES INC	2,072.	1,832.
CENTURYLINK INC	39,886.	21,347.

CERNER CORP	40,731.	44,988.
CERUS CORP	4,064.	3,068.
CEVA INC	2,963.	3,181.
CF INDUSTRIES HOLDINGS INC	20,124.	18,380.
CGI INC CL A	3,451.	4,771.
CH ROBINSON WORLDWIDE INC	15,776.	18,142.
CHARLES SCHWAB CORP	13,850.	98,021.
CHARLES SCHWAB CORP	173,734.	163,416.
CHART INDUSTRIES INC	7,762.	14,510.
CHARTER COMMUNICATIONS INC CL A	81,035.	139,703.
CHASE CORP	4,496.	5,213.
CHEESECAKE FACTORY INC	11,233.	9,909.
CHEFS WAREHOUSE	4,449.	6,898.
CHEGG INC	14,160.	28,546.
CHEMOCENTRYX INC	2,939.	14,317.
CHESAPEAKE UTILITIES CORP	10,535.	10,925.
CHEVRON CORP	315,530.	406,962.
CHILDRENS PL INC NEW	6,104.	5,814.
CHINA CONSTR BK CORP UNSPONSORED	23,491.	23,822.
CHINA LIFE INSURANCE CO SPONSORED	8,875.	8,160.
CHINA MERCHANTS BANK UNSPONSORED	3,529.	4,958.
CHINA MOBILE LIMITED SPONSORED	15,405.	12,681.
CHINA OVERSEAS LD & INVT UNSPONSORED	17,641.	22,815.
CHINA PETE & CHEM CORP SPONSORED	7,323.	5,594.
CHINA SOUTHERN AIRLINES CO SPONSORED	3,019.	2,688.
CHINA TELECOM CORP LTD SPONSORED	4,043.	3,336.
CHINA UNICOM HONG KONG LTD SPONSORED	10,711.	7,956.
CHIPOTLE MEXICAN GRILL INC	31,859.	39,344.
CHR HANSEN HOLDINGS SPONSORED	6,219.	5,502.
CHROMADEX CORP	2,905.	2,745.
CHUBB LTD	92,595.	125,618.
CHUNGHWA TELECOM LTD SPONSORED	19,312.	20,701.
CHURCH & DWIGHT INC	17,584.	28,980.
CHURCHILL DOWNS INC	24,842.	29,086.
CIA CERVECERIAS UNIDAS SPONSORED	11,105.	7,664.
CIA DE MINAS BUENAVENTUR SPONSORED	2,340.	2,778.
CIA SANEAMIENTO BASICO DE SPONSORED	3,707.	5,689.
CIE FINANCIERE RICH UNSPONSORED	12,074.	10,628.
CIELO SA SPONSORED	2,794.	1,625.
CIGNA CORP	103,241.	137,417.
CIGNA CORP	459,954.	518,587.
CIMAREX ENERGY CO	18,297.	8,241.
CIMPRESS PLC	12,213.	16,602.
CINCINNATI FINL CORP	19,239.	29,863.
CINTAS CORP	13,112.	37,940.
CISCO SYSTEMS INC	225,493.	365,455.
CISION LTD	5,978.	5,503.
CITIGROUP INC	211,198.	312,130.
CITIZENS FINANCIAL GROUP INC	17,582.	33,584.
CITRIX SYSTEMS INC	15,997.	26,394.
CK HUTCHISON HOLDING UNSPONSORED	20,155.	15,753.
CLARUS CORP	3,045.	2,807.
CLEAR CHANNEL OUTDOOR HOLDINGS INC	3,047.	3,618.
CLEVELAND-CLIFFS INC	3,003.	2,293.
CLIPPER REALTY INC	3,012.	2,915.
CLOROX COMPANY	26,350.	32,704.
CLP HOLDINGS LTD SPONSORED	2,637.	2,565.
CME GROUP INC	71,378.	129,264.

CMS ENERGY CORP	17,790.	29,283.
CNOOC LTD SPONSORED	10,308.	13,167.
COCA COLA AMATIL LTDSPONSORED	14,208.	17,318.
COCA-COLA COMPANY	2,467,812.	1,629,953,719.
COCA-COLA FEMSA SAB DE CV SPONSORED	4,750.	4,062.
CODEXIS INC	6,000.	5,117.
COGENT COMMUNICATIONS HOLDINGS	16,381.	17,374.
COGNEX CORP	341,096.	348,120.
COGNIZANT TECHNOLOGY SOLUTIONS CORP	66,771.	60,532.
COHEN & STEERS	9,805.	11,862.
COHERUS BIOSCIENCES INC	2,882.	2,917.
COLGATE PALMOLIVE CO	105,814.	105,601.
COLLECTORS UNIVERSE INC	3,041.	2,997.
COLLEGIUM PHARMACEUTICAL INC	3,005.	5,701.
COLOPLAST A/S UNSPONSORED	8,286.	11,585.
COLUMBUS MCKINNON CORP NY	4,544.	4,924.
COMCAST CORP-CL A	257,972.	366,775.
COMERICA INC	12,920.	20,879.
COMFORT SYSTEMS USA INC	11,623.	10,967.
COMMERZBANK AG SPONSORED	6,596.	3,162.
COMMONWEALTH BK SPONSORED	31,349.	29,055.
COMMUNITY HEALTHCARE TRUST INC	3,014.	3,215.
COMMVAULT SYSTEM	10,379.	9,240.
COMPAGNIE DE ST GOBAIN UNSPONSORED	4,303.	2,958.
COMPANHIA BRASILEIRA SPONSORED	3,412.	3,412.
COMPANHIA ENERGETICA MINAS SPONSORED	1,518.	3,171.
COMPASS GROUP PLC SPONSORED	10,984.	12,499.
COMPASS MINERALS INTERNATIONAL INC	11,064.	12,558.
CONAGRA BRANDS INC	26,720.	28,659.
CONCHO RESOURCES	41,126.	30,387.
CONCHO RESOURCES	169,691.	142,827.
CONMED CORP	14,235.	18,676.
CONOCOPHILLIPS	104,751.	130,710.
CONSOLIDATED EDISON INC	42,435.	54,463.
CONSTELLATION BRANDS INC	39,608.	53,889.
CONTINENTAL AG SPONSORED	9,963.	5,284.
CONTINENTAL BUILDING PRODUCTS	2,980.	4,262.
COOPER COS INC	14,945.	26,024.
COPART INC	22,006.	35,376.
CORBUS PHARMACEUTICALS HOLDINGS	2,992.	2,577.
CORCEPT THERAPEUTICS INC	5,864.	7,066.
CORE-MARK HOLDINGS	10,401.	7,450.
CORESITE REALTY CORP	200,060.	201,368.
CORNERSTONE ONDEMAND INC	20,598.	19,848.
CORNING INC	28,063.	43,432.
CORTEVA INC	45,389.	39,403.
CORVEL CORP	6,078.	5,853.
COSTAR GROUP INC	183,935.	190,858.
COSTCO WHOLESALE CORP	127,811.	230,727.
COTY INC	17,621.	8,764.
COVANTA HOLDING CORP	15,586.	13,148.
COWEN INC CL A	1,273.	1,276.
CRACKER BARREL	21,750.	18,756.
CRAFT BREW ALLIANCE INC	2,991.	3,201.
CRAWFORD & CO CL A	3,046.	3,349.
CREDICORP LIMITED	7,953.	8,312.
CREDIT AGRICOLE S.A. UNSPONSORED	7,199.	5,798.
CREDIT SUISSE GROUP-SPONSORED	12,041.	10,289.

CRH PLC	11,648.	13,067.
CRINETICS PHARMACEUTICALS INC	1,131.	1,806.
CROCS INC	6,192.	16,211.
CROWN CASTLE INTL CORP NEW	66,937.	106,470.
CRYOLIFE INC	6,615.	5,960.
CRYOPORT INC	3,205.	2,683.
CSG SYS INTL INC	9,632.	10,304.
CSL LTD SPONSORED	19,015.	31,898.
CSW INDUSTRIALS INC	6,294.	6,930.
CSX CORP	42,940.	104,198.
CUBIC CORP	3,011.	2,861.
CUMMINS INC	31,528.	51,719.
CURO GROUP HOLDINGS CORP	3,088.	2,948.
CUSHMAN & WAKEFIELD PLC	10,924.	11,896.
CUTERA INC	4,705.	4,297.
CVR ENERGY INC	3,941.	2,992.
CVS HEALTH CORP	222,130.	172,947.
CYCLERION THERAPEUTICS INC	3,144.	615.
CYMABAY THERAPEUTICS INC	2,931.	898.
CYTOKINETICS INC	3,495.	3,194.
CYTOMX THERAPEUTICS INC	3,297.	2,260.
CYTOSORBENTS CORP	3,027.	1,605.
D R HORTON INC	16,799.	29,698.
DAI NIPPON PRINT SPONSORED	6,604.	7,322.
DAIICHI SANKYO CO SPONSORED	7,228.	18,587.
DAIKIN INDUSTRIES UNSPONSORED	12,938.	17,496.
DAIMLER AG UNSPONSORED	14,395.	9,818.
DAITO TRUST CONSTRUCTION SPONSORED	22,981.	17,279.
DAIWA HOUSE UNSPONSORED	23,428.	21,868.
DAIWA SECURITIES GROUP INC SPONSORED	4,016.	3,599.
DANAHER CORP	89,544.	175,735.
DANONE SPONSORED	12,164.	12,615.
DANSKE BANK A/S SPONSORED	7,034.	2,880.
DARDEN RESTAURANTS INC	12,424.	22,565.
DASSAULT SYS S A SPONSORED	8,828.	11,516.
DAVE & BUSTER'S ENTERTAINMENT	8,996.	8,837.
DAVITA INC	13,321.	12,905.
DBS GROUP HLDGS LTD SPONSORED	18,371.	21,913.
DECIPHERA PHARMACEUTICALS INC	2,961.	8,963.
DECKERS OUTDOOR CORP	11,700.	29,888.
DEERE & CO	50,535.	97,545.
DELTA AIR LINES INC	50,525.	58,831.
DENALI THERAPEUTICS INC	5,826.	5,052.
DENNY'S CORPORATION	5,783.	5,288.
DENSO CORPORATION UNSPONSORED	9,862.	9,036.
DENTSPLY SIRONA INC	22,979.	21,448.
DERMIRA INC	2,969.	5,245.
DESIGNER BRANDS INC CL A	2,942.	2,581.
DEUTSCHE BOERSE AG UNSPONSORED	12,354.	16,577.
DEUTSCHE POST AG SPONSORED	19,471.	17,208.
DEUTSCHE TELEKOM AG SPONSORED	9,605.	8,340.
DEVON ENERGY CORPORATION	26,552.	22,542.
DIAGEO PLC SPONSORED	20,812.	26,610.
DIAMOND HILL INVESTMENT GRP	3,134.	3,231.
DIAMONDBACK ENERGY INC	28,812.	24,236.
DICERNA PHARMACEUTICALS INC	4,674.	6,873.
DIEBOLD NIXDORF INC	2,852.	3,242.
DIGIMARC CORP	2,917.	2,215.

DIGITAL REALTY TRUST INC	36,867.	42,867.
DIGITAL TURBINE INC	2,993.	4,057.
DINE BRANDS GLOBAL INC	5,601.	4,928.
DIODES INC	2,997.	4,566.
DISCOVER FINL SVCS	32,262.	48,093.
DISCOVERY INC SER A	5,695.	8,316.
DISCOVERY INC SER C	17,399.	20,977.
DISH NETWORK CORP CL A	23,335.	13,337.
DISNEY WALT CO NEW	296,805.	464,985.
DMC GLOBAL INC	2,016.	3,955.
DNB ASA SPONSORED	6,533.	6,224.
DOLLAR GENERAL CORP	34,079.	73,935.
DOLLAR GENERAL CORP	199,189.	376,224.
DOLLAR TREE INC	31,227.	41,570.
DOMINION ENERGY INC	109,980.	122,491.
DOMO INC CL B	2,972.	2,346.
DORMAN PRODUCTS	13,294.	12,342.
DORMAN PRODUCTS	232,066.	247,756.
DOUGLAS DYNAMICS	5,425.	7,480.
DOVER CORP	13,018.	29,622.
DOW INC	70,125.	72,955.
DR REDDYS LABS LTD SPONSORED	14,530.	17,247.
DRIL-QUIP INC	64,333.	69,239.
DRIVE SHACK INC	2,911.	2,229.
DSV PANALPINA A/S UNSPONSORED	10,546.	15,498.
DTE ENERGY CO	32,417.	45,974.
DUKE ENERGY CORP	37,153.	116,749.
DUKE REALTY CORPORATION	16,311.	20,386.
DUPONT DE NEMOURS INC	100,457.	85,579.
DXC TECHNOLOGY CO	27,467.	17,667.
DYCOM INDUSTRIES INC	7,950.	6,931.
DYNAVAX TECHNOLOGIES CORP	2,941.	4,427.
E ON SE SPONSORED	10,083.	9,582.
E TRADE FINANCIAL CORP	13,080.	20,598.
EAGLE MATERIALS INC	216,006.	201,719.
EAGLE PHARMACEUTICALS INC	2,994.	3,304.
EAST JAPAN RAILWAY CO UNSPONSORED	10,501.	10,418.
EASTERLY GOVERNMENT PROPERTIES	3,007.	3,844.
EASTERLY GOVERNMENT PROPERTIES	257,344.	306,354.
EASTGROUP PPTYS INC	25,947.	29,055.
EASTMAN CHEMICAL CO	17,612.	18,943.
EATON CORP PLC	33,756.	69,619.
EBAY INC	40,965.	52,143.
EBIX INCORPORATED	6,331.	4,711.
ECOLAB INC	56,397.	88,582.
ECOPETROL SPONSORED	3,271.	6,866.
EDF UNSPONSORED	9,249.	7,402.
EDISON INTERNATIONAL	40,912.	49,017.
EDITAS MEDICINE INC	7,197.	8,853.
EDP-ENERGIAS DE PORTUGAL SPONSORED	5,135.	5,687.
EDWARDS LIFESCIENCES CORP	32,231.	87,950.
EHEALTH INC	11,784.	12,971.
EIDOS THERAPEUTICS INC	2,858.	4,189.
EIGER BIOPHARMACEUTICALS INC	3,072.	4,008.
EISAI LTD SPONSORED	6,915.	9,378.
EL PASO ELEC CO	3,116.	3,191.
ELBIT SYSTEMS LTD	9,712.	10,699.
ELDORADO RESORTS INC	11,096.	25,049.

ELECTRONIC ARTS INC	38,601.	54,830.
ELEVATE CREDIT INC	2,950.	3,128.
EMCOR GROUP INC	17,610.	21,834.
EMERGENT BIOSOLUTIONS INC	9,451.	15,376.
EMERSON ELEC CO	55,444.	85,564.
ENAGAS UNSPONSORED	6,122.	5,470.
ENANTA PHARMACEUTICALS INC	9,930.	6,487.
ENBRIDGE INC	20,309.	20,402.
ENCANA CORP	6,442.	2,687.
ENDURANCE INTERNATIONAL GROUP	2,807.	2,900.
ENEL AMERICAS SA SPONSORED	5,748.	6,764.
ENEL CHILE SA SPONSORED	3,307.	2,746.
ENEL SPA UNSPONSORED	18,717.	24,076.
ENERGY RECOVERY INC	2,982.	2,506.
ENERSYS COM	11,262.	12,796.
ENGIE SPONSORED	3,918.	3,638.
ENI SPA SPONSORED	8,841.	8,359.
ENN ENERGY HOLDINGS LTD UNSPONSORED	8,252.	9,094.
ENOVA INTERNATIONAL INC	1,938.	3,128.
ENPHASE ENERGY INC	11,211.	14,502.
ENSIGN GROUP INC	14,857.	13,838.
ENSTAR GROUP LTD	3,059.	3,310.
ENTEGRA FINANCIAL CORP	2,985.	3,016.
ENTEGRIS INC	197,298.	241,183.
ENTERGY CORP	28,624.	44,446.
ENVESTNET INC	20,673.	20,053.
ENVESTNET INC	220,280.	222,886.
EOG RES INC	88,316.	83,844.
EPAM SYSTEMS INC	140,042.	226,587.
EPIZYME INC	4,302.	8,413.
EPLUS INC	4,051.	5,985.
EQUIFAX INC	23,859.	27,884.
EQUINIX INC	52,212.	88,722.
EQUINOR ASA SPONSORED	9,939.	9,119.
EQUITY RESIDENTIAL PPTYS TR	49,920.	51,546.
ERICSSON SPONSORED	5,026.	7,867.
ERSTE GROUP BANK AG SPONSORED	9,400.	8,086.
ESCO TECHNOLOGIES INC	11,970.	13,413.
ESPERION THERAPEUTICS INC	6,612.	9,004.
ESSENT GROUP LTD	13,868.	15,389.
ESSEX PROPERTY TRUST INC	28,759.	35,802.
ESSILORLUXOTTICA SA UNSPONSORED	8,105.	9,650.
ESSITY AKTIEBOLAG SPONSORED	5,508.	6,710.
EVENTBRITE INC CL A	3,591.	4,458.
EVERBRIDGE INC	22,219.	17,646.
EVEREST RE GROUP LIMITED	17,381.	18,825.
EVERGY INC	23,393.	27,533.
EVERI HOLDINGS INC	4,896.	5,493.
EVERSOURCE ENERGY	30,777.	48,745.
EVERTEC INC	12,012.	12,459.
EVO PAYMENTS INC CL A	5,647.	4,991.
EVOLUS INC	1,143.	913.
EVOLUTION PETROLEUM	2,920.	2,527.
EVOQUA WATER TECHNOLOGIES CORP	6,351.	8,565.
EXELON CORP	51,272.	77,685.
EXLSERVICE HOLDINGS	12,824.	14,100.
EXP WORLD HOLDINGS INC	3,564.	3,388.
EXPEDIA GROUP INC	32,663.	27,900.

EXPEDITORS INTL WASH INC	14,798.	23,328.
EXPERIAN GROUP LTD SPONSORED	6,363.	10,679.
EXPONENT INC	18,976.	21,531.
EXPONENT INC	224,783.	426,482.
EXTRA SPACE STORAGE INC	17,896.	21,969.
EXTREME NETWORKS INC	7,488.	4,776.
EXXONMOBIL CORP	184,622.	529,770.
F5 NETWORKS INC	12,742.	14,663.
FABRINET	10,605.	13,098.
FACEBOOK INC-A	492,703.	885,243.
FACEBOOK INC-A	920,789.	1,381,538.
FANUC CORP UNSPONSORED	12,244.	11,034.
FARO TECHNOLOGIES INC	5,212.	5,186.
FAST RETAILING CO UNSPONSORED	6,412.	12,290.
FASTENAL CO	18,578.	35,176.
FATE THERAPEUTICS INC	7,037.	6,184.
FB FINANCIAL CORP	3,988.	4,117.
FEDERAL AGRIC MTG CORP-CL C	470.	1,336.
FEDERAL REALTY INVESTMENT TRUST	17,950.	15,319.
FEDERAL SIGNAL CORP	9,217.	10,965.
FEDERATED INVESTORS INC-CL B	20,272.	20,010.
FEDERATED MONEY MKT OBLIGS TR	1,476,608.	1,476,590.
FEDEX CORPORATION	69,746.	64,718.
FERGUSON PLC SPONSORED	7,047.	9,279.
FERRARI NV	7,962.	11,753.
FERRO CORP	5,851.	5,947.
FERROVIAL SA UNSPONSORED	8,344.	12,362.
FIAT CHRYSLER AUTOMOBILES NV	7,048.	6,023.
FIBROGEN INC	22,418.	20,759.
FIDELITY NATL INFORMATION SVCS INC	114,140.	152,582.
FIDELITY NATL INFORMATION SVCS INC	132,299.	165,239.
FIFTH THIRD BANCORP	25,852.	38,609.
FIRST FINL BANKSHARES INC	23,661.	28,010.
FIRST INDUSTRIAL REALTY TR	4,682.	5,064.
FIRST REPUBLIC BANK	28,707.	35,235.
FIRSTCASH INC	26,606.	20,641.
FIRSTENERGY CORP	33,657.	48,114.
FISERV INC	67,885.	118,405.
FIVE BELOW	134,059.	342,153.
FIVE9 INC	7,341.	24,658.
FLEETCOR TECHNOLOGIES INC	33,894.	44,309.
FLEXION THERAPEUTICS INC	3,028.	5,693.
FLIR SYSTEMS INC	5,907.	11,820.
FLOWSERVE CORP	9,657.	10,750.
FLUENT INC	2,771.	1,255.
FLUIDIGM CORP	4,716.	1,451.
FLUTTER ENTMT PLC UNSPONSORED	4,016.	5,499.
FMC CORP	7,273.	22,160.
FOCUS FINANCIAL PARTNERS INC CL A	5,150.	5,393.
FOMENTO ECONOMICO MEXICANO SPONSORED	4,690.	4,536.
FORD MOTOR CO DEL	102,101.	66,923.
FORESCOUT TECHNOLOGIES INC	9,330.	8,036.
FORRESTER RESEARCH INC	3,135.	2,669.
FORTESCUE METALS GROUP SPONSORED	3,728.	6,972.
FORTINET INC	19,346.	26,370.
FORTIVE CORP	22,944.	38,501.
FORTUNE BRANDS HOME & SECURITY, INC	14,440.	16,596.
FORTY SEVEN INC	7,182.	6,417.

FORWARD AIR CORP	9,390.	10,982.
FOUNDATION BUILDING MATERIALS INC	2,967.	3,328.
FOUR CORNERS PROPERTY TRUST INC	10,686.	11,050.
FOX CORP CL A	24,299.	22,094.
FOX CORP CL B	11,343.	10,265.
FOX FACTORY HOLDING CORP	18,614.	15,862.
FRANCO NEVADA CORP	6,237.	8,677.
FRANKLIN COVEY	2,997.	2,740.
FRANKLIN ELECTRIC CO INC	12,674.	15,935.
FRANKLIN RESOURCES INC	21,749.	14,133.
FREEMPORT-MCMORAN INC	27,414.	33,076.
FRESENIUS MED CARE AG & CO SPONSORED	7,163.	5,377.
FRESENIUS SE & CO KGAA SPONSORED	8,120.	5,500.
FRESHPET INC	3,094.	11,759.
FTI CONSULTING INC	3,104.	3,652.
FUCHS PETROLUB SE ADR	9,840.	8,156.
FUJIFILM HOLDINGS CORP UNSPONSORED	14,257.	16,787.
FUNKO INC CL A	3,008.	2,196.
G1 THERAPEUTICS INC	2,885.	3,224.
G4S PLC UNSPONSORED	3,854.	3,135.
GALLAGHER ARTHUR J & CO	18,717.	33,045.
GALP ENERGIA SGPS SA UNSPONSORED	4,319.	4,155.
GAP INC	9,866.	6,418.
GARDNER DENVER HOLDINGS INC	263,420.	357,153.
GARMIN LTD	11,544.	23,707.
GARTNER INC CL A	16,307.	23,115.
GARTNER INC CL A	295,840.	367,066.
GASLOG LTD	2,919.	1,978.
GCP APPLIED TECHNOLOGIES INC	7,240.	7,426.
GDS HOLDINGS LTD SPONSORED	2,225.	3,920.
GEA GROUP AG SPONSORED	5,875.	4,403.
GEEELY AUTOMOBILE HLDGS UNSPONSORED	8,741.	5,659.
GENERAC HOLDINGS	27,846.	40,638.
GENERAL DYNAMICS CORP	63,942.	73,362.
GENERAL ELECTRIC CORP	439,567.	174,911.
GENERAL MLS INC	60,285.	57,095.
GENERAL MOTORS CO	81,402.	84,546.
GENMAB A/S SPONSORED	6,386.	6,967.
GENMARK DIAGNOSTICS INC	3,021.	2,314.
GENTHERM INC	9,825.	11,142.
GENUINE PARTS CO	21,897.	25,814.
GERDAU SA SPONSORED	2,413.	3,136.
GIBRALTAR INDUSTRIES INC	145,467.	160,601.
GILDAN ACTIVEWEAR INC-CL A	7,526.	7,235.
GILEAD SCIENCES INC	237,883.	144,191.
GIVAUDAN SA UNSPONSORED	10,827.	15,205.
GLACIER BANCORP INC	2,975.	3,541.
GLACIER BANCORP INC	152,672.	202,356.
GLADSTONE COMMERCIAL CORP	2,988.	3,060.
GLAUKOS CORP	13,854.	11,711.
GLAXOSMITHKLINE PLC SPONSORED	25,604.	29,980.
GLENCORE PLC UNSPONSORED	4,572.	3,018.
GLOBAL BLOOD THERAPEUTICS INC	20,654.	29,650.
GLOBAL PAYMENTS INC	39,704.	94,931.
GLOBAL PAYMENTS INC	426,614.	677,298.
GLOBANT SA	3,884.	3,924.
GLOBE LIFE INC	10,461.	18,840.
GLOBUS MEDICAL INC	23,746.	27,026.

GLU MOBILE INC	5,110.	4,229.
GLYCOMIMETICS INC	2,926.	1,248.
GMS INC	2,908.	2,681.
GOGO INC	2,961.	4,326.
GOLD FIELDS LTD SPONSORED	4,112.	8,177.
GOLDMAN SACHS GROUP INC	112,146.	132,440.
GOOSEHEAD INSURANCE INC CL A	2,994.	2,841.
GOPRO INC	3,618.	2,951.
GORMAN RUPP CO	2,961.	3,563.
GOSSAMER BIO INC	2,860.	2,735.
GRACO INC	180,359.	229,788.
GRAINGER W W INC	18,035.	29,451.
GRAND CANYON EDUCATION INC	204,494.	167,345.
GRANITE CONSTRUCTION INC	2,912.	1,909.
GRAY TELEVISION INC	3,940.	4,781.
GREAT LAKES DREDGE & DOCK CORP	3,547.	3,694.
GREEN DOT CORP CL A	7,348.	5,778.
GRIFOLS S.A. SPONSORED	5,027.	5,659.
GROUPON INC	9,321.	6,520.
GRUPO AEROPORTUARIO PAC SPONSORED	5,772.	6,405.
GRUPO AEROPORTUARIO SPONSORED	8,405.	7,870.
GRUPO AVAL ACCIONES Y VAL SPONSORED	4,268.	4,081.
GRUPO TELEVISA SA DE CV SPONSORED	7,574.	4,774.
GTT COMMUNICATIONS INC	2,958.	2,327.
GUANGSHEN RAILWAY CO SPONSORED	17,184.	17,994.
H LUNDBECK SPONSORED	9,334.	6,840.
H&E EQUIPMENT SERVICES INC	5,081.	4,948.
H.B. FULLER CO	10,923.	11,810.
HACKETT GROUP	2,968.	2,889.
HAEMONETICS CORP	27,363.	38,262.
HALLIBURTON CO	61,937.	37,317.
HALOZYME THERAPEUTICS INC	17,517.	18,457.
HAMILTON LANE INC CL A	5,866.	8,404.
HANESBRANDS INC	16,505.	8,940.
HANG LUNG PPTYS LTD SPONSORED	16,127.	15,100.
HANGER INC	3,001.	4,859.
HANNON ARMSTRONG SUSTAINABLE	2,984.	3,443.
HANNOVER RUECKVERSICHER SPONSORED	5,004.	6,549.
HARBORONE BANCORP INC	3,005.	3,154.
HARLEY DAVIDSON INC	13,463.	10,488.
HARSCO CORPORATION	12,011.	11,068.
HARTFORD FINL SVCS GROUP INC	27,951.	36,584.
HASBRO INC	19,852.	25,558.
HCA HEALTHCARE INC	32,753.	70,505.
HCA HEALTHCARE INC	311,386.	442,691.
HEALTH INSURAN-A	2,819.	2,623.
HEALTHCARE SVCS GROUP INC	13,973.	10,920.
HEALTHEQUITY INC	31,580.	31,035.
HEALTHPEAK PROPERTIES INC	27,930.	28,782.
HEALTHSTREAM INC	3,028.	3,101.
HEARTLAND EXPRESS INC	2,964.	3,347.
HEIDELBERGCEMENT AG UNSPONSORED	6,029.	4,833.
HEINEKEN HOLDING NV SPONSORED	16,282.	17,501.
HEINEKEN NV SPONS ADR	9,514.	10,098.
HELEN OF TROY LIMITED	22,612.	27,328.
HELIOS TECHNOLOGIES INC	8,131.	8,183.
HELMERICH & PAYNE INC	10,019.	8,132.
HENGAN INTL GROUP CO LTD UNSPONSORED	3,068.	2,743.

HENKEL AG & CO KGAA SPONSORED	10,279.	8,014.
HENKEL AG & CO KGAA SPONSORED	7,401.	5,561.
HENNES & MAURITZ AB UNSPONSORED	8,087.	6,633.
HENRY SCHEIN INC	15,446.	17,481.
HERITAGE-CRYSTAL CLEAN INC	1,904.	3,012.
HERMES INTERNATIONAL UNSPONSORED	10,900.	14,778.
HERON THERAPEUTICS INC	10,331.	12,878.
HESKA CORP	3,232.	3,838.
HESS CORPORATION	22,875.	29,797.
HEWLETT PACKARD ENTERPRISE COMPANY	19,779.	37,017.
HEXAGON AB UNSPONSORED	11,782.	12,871.
HEXCEL CORP	286,764.	304,310.
HILLENBRAND INC	8,790.	8,294.
HILTON WORLDWIDE HOLDINGS INC	36,711.	56,675.
HILTON WORLDWIDE HOLDINGS INC	135,184.	219,380.
HITACHI LTD SPONSORED	16,329.	19,503.
HMS HLDGS CORP	17,577.	15,540.
HNI CORP	7,107.	7,717.
HOLLYFRONTIER CORP	17,716.	12,424.
HOLOGIC INC	16,547.	24,173.
HOME DEPOT INC	244,273.	425,623.
HOMOLOGY MEDICINES INC	3,021.	3,043.
HONDA MOTOR LTD SPONSORED	16,107.	15,457.
HONEYWELL INTERNATIONAL INC	131,254.	228,684.
HONEYWELL INTERNATIONAL INC	107,512.	124,785.
HONG KONG EXCHANGES UNSPONSORED	11,423.	13,219.
HOOKER FURNITURE	4,834.	2,569.
HORMEL FOODS CORPORATION	15,050.	20,074.
HOST HOTELS & RESORTS, INC	20,249.	22,668.
HOULIHAN LOKEY INC CL A	8,869.	9,921.
HOYA CORPORATION SPONSORED	8,164.	13,978.
HP INC	36,679.	56,697.
HSBC HOLDINGS PLC SPONSORED	49,147.	39,207.
HUANENG PWR INTL INC SPONSORED	4,251.	3,375.
HUAZHU GROUP LTD SPONSORED	2,904.	4,207.
HUBSPOT INC	131,198.	142,650.
HUMANA INC	44,101.	87,598.
HUMANA INC	132,567.	143,309.
HUNT JB TRANS SVCS	10,703.	16,466.
HUNT JB TRANS SVCS	119,645.	127,757.
HUNTINGTON BANCSHARES INC	17,496.	27,159.
HUNTINGTON INGALLS INDUSTRIES	17,330.	19,067.
HUTCHINSON CHINA MEDITECH SPONSORED	5,103.	4,964.
HYPERA SA SPONSORED	3,568.	3,262.
I3 VERTICALS INC CL A	3,042.	3,051.
IAC INTERACTIVECORP	198,259.	234,662.
IBERDROLA SA SPONSORED	9,305.	12,021.
ICF INTERNATIONAL INC	2,086.	6,230.
ICICI BANK LTD SPONSORED	14,980.	25,261.
ICU MED INC	238,836.	242,508.
IDEX CORP	21,401.	22,704.
IDEXX LABS INC	16,698.	37,603.
IHS MARKIT LTD	36,878.	55,307.
II-VI INC	12,940.	11,683.
ILLINOIS TOOL WKS INC	48,992.	92,689.
ILLUMINA INC	47,343.	85,921.
IMAX CORP	6,399.	6,456.
IMMUNOGEN INC	1,205.	2,573.

IMMUNOMEDICS INC	14,370.	20,271.
IMPERIAL BRANDS PLC SPONSORED	11,234.	6,324.
IMPERIAL OIL LTD	11,914.	10,191.
IMPINJ INC	3,049.	2,302.
INCYTE CORPORATION	42,868.	29,776.
INDEPENDENT BANK GROUP INC	3,299.	2,994.
INDEPENDENT BK CORP MA	1,723.	2,331.
INDITEX UNSPONSORED	13,048.	12,864.
INDUST & COMM BANK CHINA UNSPONSORED	16,449.	16,917.
INFINEON TECHNOLOGIES AG SPONSORED	3,748.	3,405.
INFOSYS LTD SPONSORED	20,505.	26,615.
ING GROEP NV SPONSORED	15,452.	10,230.
INGENICO GROUP UNSPONSORED	5,611.	5,949.
INGERSOLL-RAND PLC	26,304.	55,693.
INGEVITY CORP	28,617.	24,816.
INNOSPEC INC	11,699.	13,137.
INNOVATIVE INDUSTRIAL PROP CL A	2,708.	4,552.
INNOVIVA INC	4,964.	5,211.
INOGEN INC	7,498.	8,405.
INOVALON HOLDINGS INC	6,294.	7,999.
INOVIO PHARMACEUTICALS INC	2,720.	3,300.
INPHI CORP	16,219.	20,133.
INSIGHT ENTERPRISES INC	2,497.	5,553.
INSMED INC	12,370.	14,352.
INSPERITY INC	8,633.	20,219.
INSPIRE MEDICAL SYSTEMS INC	5,553.	6,011.
INSTALLED BUILDING PRODUCTS	7,468.	9,435.
INSTRUCTURE INC	7,373.	9,594.
INSULET CORP	84,534.	176,850.
INTEGER HOLDINGS CORPORATION	8,169.	11,582.
INTEL CORP	272,136.	465,932.
INTELLIA THERAPEUTICS INC	3,039.	2,670.
INTELLIGENT SYSTEMS CORP	2,945.	2,996.
INTER PARFUMS INC	7,053.	7,780.
INTERCEPT PHARMACEUTICALS INC	10,464.	18,588.
INTERCONTINENTAL EXCHANGE INC	50,053.	89,959.
INTERCONTINENTAL EXCHANGE INC	107,085.	158,908.
INTERCONTINENTAL HOTELS SPONSORED	6,509.	8,103.
INTERDIGITAL INC	13,034.	10,735.
INTERFACE INC	4,853.	5,342.
INTERNATIONAL FLAVORS & FRAGRANCES	23,256.	24,256.
INTERNATIONAL MONEY EXPRESS	2,958.	2,492.
INTERNATIONAL PAPER CO	29,998.	31,406.
INTERPUBLIC GROUP COS INC	14,768.	15,015.
INTERSECT ENT INC	7,128.	5,802.
INTESA SANPAOLO SPONSORED	11,994.	8,903.
INTL BUSINESS MACHINES CORP	88,032.	210,443.
INTRA-CELLULAR THERAPIES INC	3,011.	8,852.
INTUIT INC	53,522.	121,274.
INTUIT INC	307,260.	536,957.
INTUITIVE SURGICAL INC	43,652.	122,368.
INTUITIVE SURGICAL INC	201,678.	520,803.
INVESCO LTD	23,090.	12,083.
INVITAE CORP	12,264.	8,436.
IOVANCE BIOTHERAPEUTICS INC	20,019.	22,532.
IPG PHOTONICS	18,350.	11,014.
IQVIA HOLDINGS INC	35,479.	51,452.
IRHYTHM TECHNOLOGIES INC	8,265.	10,622.

IROBOT CORP	15,536.	8,405.
IRON MOUNTAIN INC	16,973.	15,521.
IRONWOOD PHARMACEUTICALS INC	9,846.	12,352.
ISRAEL CHEMICALS LTD	4,087.	4,072.
ISTAR INC	1,721.	3,091.
ITAU UNIBANCO HOLDING SPONSORED	8,396.	8,327.
ITochu CORPORATION UNSPONSORED	5,513.	7,717.
ITRON INC	12,360.	17,378.
J & J SNACK FOODS CORP	20,295.	22,849.
J SAINSBURY PLC SPONSORED	10,115.	8,205.
J2 GLOBAL INC	24,996.	26,426.
JACK HENRY & ASSOC INC	19,785.	20,394.
JACK IN THE BOX INC	3,033.	3,043.
JACOBS ENGINEERING GROUP INC	12,974.	22,996.
JAGGED PEAK ENERGY INC	2,909.	3,150.
JAMES HARDIE INDS-SPONSORED	7,322.	9,702.
JAMES RIVER GROUP HOLDINGS LTD	3,861.	3,379.
JAMES RIVER GROUP HOLDINGS LTD	95,856.	99,605.
JAPAN EXCHANGE GROUP INC UNSPONSORED	8,351.	8,523.
JAPAN TOBACCO INC UNSPONSORED	10,939.	7,439.
JARDINE MATHESON UNSPONSORED	15,947.	14,089.
JAZZ PHARMACEUTICALS PLC	232,335.	231,235.
JBS SA SPONSORED	2,037.	5,754.
JD COM INC SPONSORED	12,393.	10,252.
JELD-WEN HOLDING INC	7,666.	8,521.
JGC CORP UNSPONSORED	6,266.	6,020.
JM SMUCKER CO	23,625.	19,576.
JOHN B SANFILIPPO & SON	4,218.	4,747.
JOHN BEAN TECHNOLOGIES CORP	22,776.	21,293.
JOHNSON & JOHNSON	487,461.	685,881.
JOHNSON CONTROLS INTERNATIONAL PLC	67,113.	56,790.
JOHNSON OUTDOORS INC CL A	459.	1,304.
JOYY INC	3,437.	2,376.
JP MORGAN CHASE & CO	106,209.	782,452.
JULIUS BAER GROUP LTD UNSPONSORED	12,933.	11,601.
JUNIPER NETWORKS INC	17,178.	15,468.
K12 INC	620.	814.
KADANT INC	3,002.	7,690.
KADMON HOLDINGS INC	3,152.	5,350.
KAISER ALUMINUM CORP	5,156.	5,988.
KALVISTA PHARMACEUTICALS INC	3,021.	3,099.
KANSAS CITY SOUTHERN	14,550.	26,650.
KAO CORP UNSPONSORED	13,070.	17,857.
KARYOPHARM THERAPEUTICS INC	2,990.	7,265.
KASIKORNBANK PUBLIC COMPANY LTD	17,430.	13,153.
KB FINANCIAL GROUP INC SPONSORED	28,379.	25,815.
KB HOME COM	2,637.	3,530.
KBC GROUP NV UNSPONSORED	11,673.	10,514.
KDDI CORP UNSPONSORED	9,231.	10,378.
KEARNY FINANCIAL CORP OF MARYLAND	3,020.	3,098.
KELLOGG CO	29,074.	28,356.
KENNEDY-WILSON HOLDINGS INC	7,796.	8,407.
KERING SA UNSPONSORED	10,566.	17,386.
KEYCORP	23,233.	36,351.
KEYSIGHT TECHNOLOGIES INC	18,789.	33,047.
KFORCE INC	3,661.	5,399.
KIMBALL INTL INC CL B	3,930.	4,733.
KIMBERLY CLARK CORP	14,192.	83,768.

KIMCO REALTY CORP	18,657.	14,559.
KINDER MORGAN INC	86,677.	72,867.
KINDRED BIOSCIENCES INC	3,002.	3,689.
KINGFISHER PLC SPONSORED	4,764.	3,341.
KINROSS GOLD CORP	3,681.	4,252.
KINSALE CAPITAL GROUP INC	5,143.	11,996.
KIRIN HOLDINGS COMPANY SPONSORED	14,096.	13,354.
KLA CORP	22,679.	51,491.
KNOLL INC	6,448.	7,048.
KOC HOLDING AS UNSPONSORED	8,467.	7,297.
KODIAK SCIENCES INC	3,148.	15,973.
KOHL'S CORP	12,707.	14,164.
KOMATSU LTD SPONSORED	10,152.	8,558.
KONE OYJ UNSPONSORED	8,823.	10,310.
KONINKLIJKE AHOLD DELHAIZE SPONSORED	7,576.	10,090.
KONINKLIJKE DSM NV SPONSORED	7,010.	10,934.
KONINKLIJKE PHILIPS NV	8,629.	10,053.
KONINKLIJKE VOPAK NV UNSPONSORED	6,112.	6,619.
KONTOOR BRANDS INC	2,877.	3,947.
KOPPERS HOLDINGS INC	2,912.	4,204.
KOREA ELECTRIC POWER CORP SPONSORED	28,138.	22,252.
KORN FERRY	13,272.	14,458.
KRAFT HEINZ CO	81,668.	34,572.
KRATON CORP	1,553.	1,291.
KRATOS DEFENSE & SECURITY	12,866.	9,797.
KROGER CO	55,900.	42,963.
KRYSTAL BIOTECH INC	3,063.	3,489.
KUBOTA SPONSORED	7,118.	6,162.
KURA ONCOLOGY INC	3,616.	2,406.
KYOCERA CORP	17,851.	19,072.
L BRANDS, INC	39,452.	7,465.
L3 HARRIS TECHNOLOGIES INC	37,989.	78,554.
LA JOLLA PHARMACEUTICAL CO	2,961.	1,407.
LABORATORY CORP AMERICA HOLDINGS	21,495.	28,421.
LADENBURG THALMANN FINANCIAL	2,932.	3,323.
LAFARGEHOLCIM LTD UNSPONSORED	7,344.	7,012.
L'AIR LIQUIDE UNSPONSORED	10,923.	13,632.
LAKELAND FINL CORP	4,840.	5,333.
LAM RESEARCH CORP	22,859.	78,363.
LAMB WESTON HOLDINGS INC	19,254.	21,594.
LANCASTER COLONY CORP	13,399.	14,409.
LANTHEUS HOLDINGS INC	4,602.	5,169.
LAS VEGAS SANDS CORP	33,341.	40,734.
LAS VEGAS SANDS CORP	58,048.	60,824.
LATTICE SEMICONDUCTOR CORP	12,349.	14,412.
LAUDER ESTEE COS INC	35,841.	81,377.
LA-Z-BOY INC	3,733.	3,620.
LCI INDUSTRIES	13,495.	15,748.
LEAF GROUP LTD	3,010.	1,708.
LEGAL & GEN GROUP PLC SPONSORED	1,543.	1,866.
LEGGETT & PLATT INC	9,857.	11,132.
LEIDOS HOLDINGS INC	20,138.	23,494.
LEMAITRE VASCULAR INC	1,546.	4,170.
LEND LEASE LTD SPONSORED	18,788.	16,145.
LENNAR CORP-CL A	26,177.	28,397.
LENOVO GROUP LTD SPONSORED	6,303.	7,694.
LG DISPLAY CO LTD SPONSORED	29,677.	20,882.
LGI HOMES INC	3,979.	8,407.

LHC GROUP INC	10,052.	24,935.
LIBERTY BRAVES GROUP CL A	2,993.	3,173.
LIBERTY BRAVES GROUP CL C	6,076.	6,440.
LIBERTY OILFIELD SERVICES INC CL A	2,832.	2,346.
LIBERTY TRIPADVISOR HLDGS INC	5,312.	3,227.
LIGAND PHARMACEUTICALS INC	2,923.	2,712.
LILLY ELI & CO	125,604.	199,116.
LINCOLN NATL CORP	19,479.	21,598.
LINDBLAD EXPEDITIONS HOLDINGS INC	3,068.	2,665.
LINDE PLC	157,846.	205,449.
LINDSAY CORPORATION	3,017.	3,360.
LINE CORP SPONSORED	4,007.	5,293.
LITHIA MOTORS INC-CLASS A	9,640.	12,054.
LITHIA MOTORS INC-CLASS A	203,042.	262,836.
LIVANOVA PLC	23,092.	20,140.
LIVE NATION ENTERTAINMENT INC	19,464.	19,440.
LIVEPERSON INC	5,692.	14,467.
LKQ CORP	16,029.	18,207.
LLOYDS BANKING GROUP PLC-SPONSORED	16,748.	15,742.
LOCALIZA RENT A CAR SPONSORED	5,535.	10,947.
LOCKHEED MARTIN CORP	100,459.	170,938.
LOEWS CORPORATION	16,808.	23,935.
LONDON STOCK EXCHANGE UNSPONSORED	14,323.	27,412.
LONZA GROUP AG UNSPONSORED	10,854.	14,726.
LORAL SPACE & COMMUNICATIONS	3,389.	3,103.
L'OREAL CO UNSPONSORED	14,937.	20,605.
LOUISIANA PAC CORP	2,955.	3,382.
LOWES COS INC	103,252.	167,065.
LTC PROPERTIES INC	5,505.	5,238.
LUFTHANSA SPONSORED	5,095.	3,412.
LUKOIL PJSC SPONSORED	14,321.	27,343.
LULULEMON ATHLETICA INC	143,830.	162,401.
LUXFER HOLDINGS PLC	3,271.	2,814.
LVMH MOET HENNESSY LOUIS UNSPONSORED	19,867.	33,111.
LYONDELLBASELL INDUSTRIES NV	44,264.	45,350.
M & T BANK CORP	31,403.	42,607.
MACQUARIE GROUP LTD SPONSORED	13,358.	17,912.
MACROGENICS INC	3,006.	2,154.
MACY'S INC	25,090.	8,551.
MADDEN STEVEN LTD	19,640.	25,806.
MADRIGAL PHARMACEUTICALS INC	4,557.	4,373.
MAGELLAN HEALTH INC	5,355.	5,634.
MAGENTA THERAPEUTICS INC	1,183.	1,728.
MAGIC LEAP INC	24,392.	24,392.
MAGIC LEAP INC	6,966.	6,269.
MAGNA INTERNATIONAL INC CL A	7,124.	7,458.
MAKITA CORP-SPONSORED	10,652.	8,840.
MALIBU BOATS INC	4,585.	5,119.
MANULIFE FINANCIAL CORP	12,698.	12,986.
MARATHON OIL CORP	20,038.	19,066.
MARATHON PETROLEUM CORPORATION	61,018.	69,288.
MARCUS & MILLICHAP INC	2,584.	2,794.
MARINE PRODUCTS CORP	3,051.	2,894.
MARKER THERAPEUTICS INC	2,912.	962.
MARKETAXESS HOLDINGS INC	21,214.	25,021.
MARKETAXESS HOLDINGS INC	220,069.	461,756.
MARKS & SPENCER PLC SPONSORED	4,590.	3,091.
MARRIOTT VACATIONS WORLDWIDE CORP	5,685.	6,180.

MARRIOTT INTERNATIONAL INC	34,125.	72,989.
MARSH & MCLENNAN COS INC	55,984.	102,720.
MARTIN MARIETTA MATLS INC	15,898.	29,083.
MARVELL TECHNOLOGY GROUP LTD	194,300.	215,959.
MASCO CORP	15,391.	25,243.
MASONITE INTERNATIONAL CORP	7,506.	10,326.
MASTEC INC	16,523.	24,509.
MASTERCARD INC CL A	163,749.	476,251.
MASTERCRAFT BOAT HOLDINGS INC	3,235.	2,221.
MATADOR RESOURCES CO	2,822.	2,893.
MATADOR RESOURCES CO	216,826.	164,749.
MATERION CORP	2,181.	3,032.
MAURI GROUP CO., LTD UNSPONSORED	7,377.	9,776.
MAXIM INTEGRATED PRODS INC	26,679.	29,340.
MAXIMUS INC	28,255.	28,566.
MAXLINEAR INC CL A	9,660.	8,339.
MAZDA MTR CORP UNSPONSORED	5,860.	3,714.
MCCORMICK & CO INC	19,710.	37,510.
MCDONALDS CORP	158,848.	268,157.
MCGRATH RENTCORP	4,487.	7,577.
MCKESSON CORP	63,191.	47,997.
MEDICINES CO	9,895.	23,359.
MEDICINOVA INC	2,856.	1,988.
MEDIFAST INC	4,254.	7,561.
MEDIOBANCA SPA UNSPONSORED	5,054.	5,168.
MEDPACE HOLDINGS INC	10,424.	14,038.
MEDTRONIC PLC	181,961.	272,167.
MEI PHARMA INC	3,012.	3,720.
MEIRAGTX HOLDINGS PLC	3,062.	2,122.
MELCO RESORTS & ENTERTAINMENT	7,403.	8,024.
MERCK & CO INC	50,689.	415,914.
MERCK KGAA SPONSORED	2,568.	2,654.
MERCURY SYSTEMS INC	22,695.	22,253.
MEREDITH CORP	12,953.	7,793.
MERIDIAN BANCORP INC	2,977.	3,234.
MERIDIAN BIOSCIENCE INC	3,021.	2,560.
MERIT MED SYSTEM INC	7,963.	10,115.
MERITOR INCORPORATED	9,386.	10,555.
MESA LABS INC	4,723.	5,237.
META FINANCIAL GROUP	3,474.	4,746.
METHANEX CORP	4,296.	2,936.
METLIFE INC	64,863.	72,174.
METTLER-TOLEDO INTERNATIONAL INC	16,866.	33,318.
MGE ENERGY INC	10,545.	11,271.
MGM RESORTS INTERNATIONAL	29,308.	28,446.
MGP INGREDIENTS INC	4,125.	3,779.
MICHELIN (CGDE) UNSPONSORED	9,807.	8,434.
MICRO FOCUS INTL PLC SPONSORED	2,327.	1,571.
MICROCHIP TECHNOLOGY INC	25,939.	46,391.
MICRON TECHNOLOGY INC	41,685.	107,936.
MICROSOFT CORP	797,719.	2,154,497.
MICROSOFT CORP	821,492.	1,928,829.
MICROSTRATEGY INC CL A	6,003.	6,989.
MID-AMER APARTMENT COMM	16,715.	24,790.
MID-AMER APARTMENT COMM	117,131.	143,727.
MIDDLEBY CORP	207,300.	188,265.
MIDDLESEX WATER CO	5,034.	5,276.
MILLER HERMAN INC	10,869.	14,827.

MINERVA NEUROSCIENCES INC	3,072.	3,335.
MIRATI THERAPEUTICS INC	18,525.	23,066.
MISONIX INC	2,958.	2,438.
MITEK SYSTEMS INC	3,056.	2,173.
MITSUBISHI CORP SPONSORED	8,323.	9,381.
MITSUBISHI ELECTRIC CORP UNSPONSORED	10,740.	9,119.
MITSUBISHI ESTATE	20,765.	23,090.
MITSUBISHI UFJ FINANCIAL-SPONSORED	17,947.	15,307.
MITSUI & CO LTD SPONSORED	6,991.	8,151.
MITSUI FUDOSAN CO LTD UNSPONSORED	21,051.	22,985.
MIZUHO FINANCIAL GROUP INC SPONSORED	17,934.	16,695.
MMC NORILSK NICKEL PJSC SPONSORED	7,587.	13,781.
MOBILE MINI INC	2,986.	3,374.
MOBILE TELESYSTEMS SPONSORED	5,032.	4,740.
MOBILEIRON INC	3,618.	2,804.
MODEL N INC	4,020.	6,874.
MOELIS & CO	8,286.	7,469.
MOHAWK INDUSTRIES INC	22,074.	14,184.
MOLSON COORS BREWING CO-B	26,766.	16,440.
MOMENTA PHARMACEUTICALS INC	5,795.	11,739.
MOMO INC SPONSORED	1,824.	1,742.
MONDELEZ INTERNATIONAL INC	118,617.	141,611.
MONMOUTH CL A	2,997.	3,142.
MONRO INC	18,546.	18,221.
MOODYS CORP	30,960.	69,799.
MOOG INC	15,387.	14,335.
MORGAN STANLEY	74,640.	114,202.
MOSAIC CO NEW	18,871.	12,551.
MOTOROLA SOLUTIONS, INC	24,611.	49,309.
MOWI ASA SPONSORED	6,232.	8,234.
MR COOPER GROUP INC	3,142.	4,929.
MR PRICE GROUP LTD SPONSORED	1,596.	1,476.
MS&AD INS GROUP HOLDINGS UNSPONSORED	9,516.	9,589.
MSA SAFETY INC	22,644.	26,915.
MSCI INC	22,141.	38,211.
MTN GROUP LTD SPONSORED	4,262.	2,933.
MTS SYS CORP	3,020.	2,594.
MUELLER INDUSTRIES INC	5,080.	5,810.
MUELLER WATER PRODUCTS INC CL A	5,407.	6,769.
MUENCHENER UNSPONSORED	10,712.	15,131.
MURATA MFG CO LTD UNSPONSORED	8,857.	10,571.
MURPHY USA INC	2,931.	3,978.
MYERS INDUSTRIES INC	3,443.	3,303.
MYLAN NV	37,213.	17,809.
MYOKARDIA INC	13,404.	19,606.
MYR GROUP INC	3,194.	2,868.
MYRIAD GENETICS INC	1,500.	1,362.
NANOSTRING TECHNOLOGIES INC	5,474.	5,008.
NAPCO SECURITY TECHNOLOGIES INC	2,998.	3,380.
NASDAQ INC	11,443.	20,670.
NASPERS LTD SPONSORED	19,225.	20,285.
NATERA INC	8,633.	11,387.
NATIONAL AUSTRALIA BK LTD SPONSORED	22,367.	15,662.
NATIONAL GENERAL HOLDINGS CORP	5,296.	5,216.
NATIONAL GRID PLC SPONSORED	13,368.	14,477.
NATIONAL HEALTH INVS INC	8,677.	8,881.
NATIONAL OILWELL VARCO INC	23,066.	15,731.
NATIONAL RESEARCH CORP	3,495.	3,956.

NATIONAL STORAGE AFFILIATES	10,392.	11,565.
NATIONAL VISION HOLDINGS INC	14,543.	15,112.
NATURGY ENERGY GROUP SA UNSPONSORED	6,493.	6,794.
NATUS MEDICAL INC	5,263.	6,730.
NEDBANK GROUP LTD SPONSORED	7,341.	6,945.
NEENAH INC	5,403.	6,057.
NEOGEN CORP	20,066.	20,231.
NEOGENOMICS INC	13,718.	17,024.
NESTLE SA SPONSORED	71,381.	89,964.
NETAPP INC	15,195.	27,764.
NETEASE INC SPONSORED	6,837.	7,666.
NETFLIX INC	94,306.	254,973.
NETFLIX INC	260,914.	347,838.
NEUBERGER BERMAN HIGH INCOME BOND	2,996,703.	3,050,277.
NEUROCRINE BIOSCIENCES INC	226,711.	259,158.
NEURONETICS INC	5,483.	5,496.
NEVRO CORP	11,123.	21,040.
NEW AGE BEVERAGES CORP	3,008.	1,345.
NEW JERSEY RESOURCES CORP	3,069.	3,075.
NEW ORIENTAL EDUCATION SPONSORED	8,518.	12,246.
NEW SENIOR INVESTMENT GROUP INC	3,021.	3,297.
NEWCREST MINING LTD SPONSORED	5,589.	6,687.
NEWELL BRANDS INC	37,977.	15,568.
NEWMARK GROUP INC CL A	7,642.	10,428.
NEWMONT GOLDCORP CORP	39,747.	61,525.
NEWS CORP/NEW CL A	9,471.	8,922.
NEWS CORP/NEW CL B	6,087.	5,819.
NEWSTAR FINANCIAL INC	0.	41.
NEXPOINT RESIDENTIAL TRUST INC	4,773.	5,085.
NEXTERA ENERGY INC	102,691.	212,132.
NEXTERA ENERGY INC	322,697.	346,047.
NEXTGEN HEALTHCARE INC	6,524.	5,255.
NGM BIOPHARMACEUTICALS INC	3,034.	3,901.
NIC INC	6,769.	8,873.
NICE LTD SPONSORED	5,617.	9,309.
NIDEC CORPORATION SPONSORED	12,783.	14,127.
NIELSEN HLDGS PLC	27,060.	11,267.
NIKE INC-CLASS B	145,506.	226,732.
NIKE INC-CLASS B	168,843.	245,272.
NIKON CORP UNSPONSORED	8,990.	6,290.
NINTENDO LTD UNSPONSORED	9,789.	10,230.
NIPPON TELEGRAPH & TELEPHN SPONSORED	8,486.	9,343.
NISOURCE INC	12,140.	17,066.
NISSAN MOTOR LTD SPONSORED	4,478.	2,498.
NITTO DENKO CORP-UNSPONSORED	6,862.	4,335.
NLIGHT INC	3,028.	3,975.
NMI HOLDINGS INC	5,906.	13,073.
NN GROUP NV UNSPONSORED	4,580.	3,914.
NOAH HOLDINGS LTD SPONSORED	3,792.	3,396.
NOBLE ENERGY INC	27,913.	19,971.
NOKIA CORP SPONSORED	9,894.	5,932.
NOMURA HOLDINGS INC SPONSORED	7,322.	6,600.
NOODLES & CO	2,010.	1,208.
NORDEA BANK ABP SPONSORED	10,547.	6,593.
NORDSON CORP	235,000.	320,469.
NORDSTROM INC	12,417.	7,859.
NORFOLK SOUTHERN CORP	39,238.	92,406.
NORFOLK SOUTHERN CORP	135,262.	144,433.

NORSK HYDRO ASA SPONSORED	2,404.	1,184.
NORTHERN TR CORP	29,013.	39,309.
NORTHROP GRUMMAN CORPORATION	56,117.	96,312.
NORTONLIFELOCK INC	20,919.	25,903.
NORWEGIAN CRUISE LINE HOLDINGS	23,307.	23,422.
NOVAGOLD RESOURCES INC	6,524.	9,265.
NOVANTA INC	9,158.	17,953.
NOVARTIS AG SPONSORED	40,291.	49,996.
NOVO NORDISK AS SPONSORED	24,281.	28,998.
NOVOCURE LTD	37,977.	46,096.
NOVOZYMES A/S SPONSORED	4,371.	4,149.
NRG ENERGY INC	6,421.	19,756.
NSK LTD UNSPONSORED	2,683.	1,925.
NTT DOCOMO INC SPONSORED	7,736.	8,837.
NUCOR CORP	23,140.	29,716.
NUTRIEN LTD	1,597.	1,581.
NUVASIVE INC	18,080.	24,285.
NV5 GLOBAL INC	5,098.	3,128.
NVIDIA CORP	79,565.	259,065.
NVR INC	21,450.	22,850.
NXP SEMICONDUCTORS	8,056.	11,199.
OCCIDENTAL PETE CORP	110,676.	65,854.
OCULAR THERAPEUTIX INC	2,785.	2,287.
OGE ENERGY CORP	186,751.	229,821.
OKTA INC CL A	53,842.	60,108.
OLD DOMINION FREIGHT LINE INC	21,381.	22,014.
OLYMPUS CORP SPONSORED	6,482.	11,588.
OMEROS CORP	4,344.	3,959.
OMNICELL INC	17,685.	20,267.
OMNICOM GROUP	28,651.	30,869.
OMNOVA SOLUTIONS INC	3,010.	3,043.
OMRON CORP SPONSORED	10,009.	10,674.
OMV AG SPONSORED	11,320.	10,472.
ONEOK INC	36,015.	56,223.
ONESPAN INC	3,016.	3,270.
ONO PHARMACEUTICAL CO UNSPONSORED	2,704.	3,269.
ONTO INNOVATION INC	2,975.	3,289.
OPEN TEXT CORP	4,266.	5,729.
OPTINOSE INC	3,032.	3,937.
ORACLE CORPORATION	158,860.	207,470.
ORANGE	1,873.	1,765.
ORBCOMM INC	3,017.	1,600.
O'REILLY AUTOMOTIVE INC	35,168.	58,289.
ORION ENGINEERED CARBONS SA	4,504.	4,671.
ORIX CORP SPONSORED	9,707.	9,926.
ORKLA ASA SPONSORED	6,977.	7,333.
ORMAT TECHNOLOGIES INC	5,364.	6,334.
ORTHOFIX MEDICAL INC	3,200.	4,249.
OSI SYSTEMS INC	11,003.	10,074.
OTSUKA HOLDINGS LIMITED	6,749.	7,464.
OTTER TAIL CORPORATION	5,510.	5,385.
OXFORD INDS INC	2,186.	2,413.
PACCAR INC	37,062.	50,466.
PACIFIC BIOSCIENCES	4,598.	4,019.
PACIRA BIOSCIENCES INC	9,880.	11,053.
PACKAGING CORP OF AMERICA	16,940.	17,470.
PALOMAR HOLDINGS INC	2,932.	5,958.
PAN PACIFIC INTL HLDGS UNSPONSORED	12,540.	14,784.

PANASONIC CORPORATION SPONSORED	10,672.	6,869.
PANDORA A/S SPONSORED	4,053.	1,856.
PAPA JOHNS INTL INC	5,381.	7,515.
PAR TECHNOLOGY CORP	3,023.	3,689.
PARKER HANNIFIN CORP	26,079.	45,280.
PARSLEY ENERGY INC	307,946.	253,923.
PARSONS CORP	4,200.	4,665.
PATRICK INDS INC	3,309.	4,719.
PAYCHEX INC	32,682.	50,441.
PAYCOM SOFTWARE INC	54,215.	65,925.
PAYPAL HOLDINGS INC	88,827.	225,643.
PAYPAL HOLDINGS INC	164,442.	344,521.
PAYSIGN INC	3,020.	1,827.
PEARSON PLC SPONSORED	4,396.	4,459.
PEMBINA PIPELINE CORP	8,768.	9,524.
PENN NATL GAMING INC	3,045.	3,936.
PENNANT GROUP INC	2,199.	5,027.
PENNYMAC FINANCIAL SERVICES INC	1,100.	1,804.
PENTAIR PLC	9,991.	12,523.
PEOPLES UNITED FINANCIAL, INC	15,104.	15,362.
PERFICIENT INC	6,328.	8,200.
PERFORMANCE FOOD GROUP CO	17,855.	32,535.
PERFORMANCE FOOD GROUP CO	98,114.	111,506.
PERKINELMER INC	9,282.	17,672.
PERNOD RICARD SA UNSPONSORED	13,104.	17,036.
PERRIGO CO PLC	34,794.	11,314.
PERSPECTA INC	3,013.	3,331.
PETIQ INC	4,077.	2,856.
PETROCHINA CO LTD SPONSORED	7,251.	5,285.
PETROLEO BRASILEIRO SA SPONSORED	5,251.	7,938.
PETROLEO BRASILEIRO SPONSORED	4,896.	7,281.
PEUGEOT SA UNSPONSORED	5,802.	5,884.
PFENEX INC	3,023.	5,578.
PFIZER INC	207,783.	385,649.
PGT INNOVATIONS INC	2,878.	2,415.
PHIBRO ANIMAL HEALTH CORP	3,088.	2,557.
PHILIP MORRIS INTL INC	253,515.	237,486.
PHILIP MORRIS INTL INC	103,130.	91,727.
PHILLIPS 66	70,311.	90,465.
PHYSICIANS REALTY TRUST	210,528.	226,333.
PIERIS PHARMACEUTICALS INC	3,022.	2,415.
PING AN INSURANCE SPONSORED	15,494.	22,777.
PINNACLE FINANCIAL PARTNERS INC	273,968.	288,704.
PINNACLE WEST CAP CORP	11,866.	16,547.
PIONEER NATURAL RESOURCES CO	40,912.	42,535.
PITNEY BOWES INC	2,906.	2,906.
PJSC GAZPROM SPONSORED	9,758.	19,342.
PJT PARTNERS INC CL A	3,128.	3,746.
PLANTRONICS INC	7,298.	5,523.
PLAYAGS INC	3,357.	1,953.
PLDT INC SPONSORED	21,287.	15,432.
PLEXUS CORP	4,184.	5,386.
PLUG POWER INC	3,241.	4,380.
PNC FINL SVCS GROUP INC	73,428.	126,427.
POLARIS INC	272,538.	262,691.
POLYONE CORP	13,379.	16,298.
POOL CORPORATION	120,293.	237,016.
PORSCHE AUTOMOBIL UNSPONSORED	6,080.	7,048.

PORTLAND GENERAL ELECTRIC CO	205,465.	246,927.
PORTOLA PHARMACEUTICALS INC	12,865.	11,844.
POSCO SPONSORED	27,748.	21,362.
POWER ASETS HOLDINGS SPONSORED	2,590.	2,745.
POWER INTEGRATIONS INC	13,620.	16,914.
POWER INTEGRATIONS INC	110,338.	151,629.
PPG INDUSTRIES INC	43,983.	56,600.
PPL CORPORATION	45,854.	48,187.
PRECISION BIOSCIENCES INC	6,069.	5,834.
PREMIER INC	128,745.	152,770.
PRICESMART INC	3,036.	3,551.
PRIMO WATER CORP	2,973.	2,436.
PRIMORIS SERVICES CORP	3,624.	4,025.
PRINCIPAL FINL GROUP INC	24,852.	24,420.
PRINCIPIA BIOPHARMA INC	3,104.	4,163.
PROCTER & GAMBLE CO	350,395.	555,305.
PROGENICS PHARMACEUTICALS INC	3,045.	2,881.
PROGRESS SOFTWARE CORP	9,924.	11,135.
PROGRESSIVE CORP OHIO	38,664.	74,996.
PROLOGIS INC	57,345.	100,639.
PROPETRO HOLDING CORP	4,994.	3,263.
PROS HOLDINGS INC	13,413.	11,924.
PROTO LABS INC	17,363.	16,553.
PROVIDENCE SERVICE CORP	3,926.	4,202.
PRUDENTIAL FINL INC	59,108.	66,087.
PRUDENTIAL PLC	20,718.	16,455.
PS BUSINESS PKS INC/CA	21,071.	19,949.
PT BANK MANDIRI UNSPONSORED	18,095.	22,256.
PTC THERAPEUTICS INC	13,008.	16,570.
PUBLIC SERVICE ENTERPRISE GROUP INC	36,047.	51,433.
PUBLIC STORAGE INC	60,549.	57,499.
PUBLICIS GROUPE SPONSORED	7,466.	5,071.
PULTE GROUP INC	8,459.	17,809.
PVH CORP	11,610.	13,459.
PZENA INVESTMENT MANAGEMENT CL A	2,888.	3,112.
Q2 HOLDINGS INC	22,642.	22,946.
QBE INS GROUP LTD SPONSORED	8,342.	9,108.
QIAGEN NV	8,359.	8,585.
QORVO INC	9,488.	24,408.
QTS REALTY TRUST INC	14,893.	17,909.
QUAKER CHEMICAL CORP	14,748.	12,997.
QUAKER CHEMICAL CORP	242,997.	268,497.
QUALCOMM INC	120,659.	179,813.
QUALYS INC	16,078.	17,174.
QUANTA SERVICES INCORPORATED	4,963.	10,178.
QUANTERIX CORP	3,053.	2,292.
QUEST DIAGNOSTICS INC	14,918.	24,028.
QUIDEL CORP	8,856.	15,906.
QUINSTREET INC	3,416.	4,807.
R1 RCM INC	5,297.	9,021.
RA PHARMACEUTICALS INC	7,133.	10,841.
RADIANT LOGISTICS INC	2,986.	3,102.
RADIUS HEALTH INC	6,125.	5,484.
RADNET INC	3,637.	5,156.
RAKUTEN INC SPONSORED	3,801.	2,892.
RALPH LAUREN CORP	10,232.	10,667.
RAPID7 INC	21,366.	19,047.
RAPID7 INC	107,175.	270,128.

RAVEN INDUSTRIES INC	7,599.	7,478.
RAYMOND JAMES FINANCIAL INC	16,517.	18,966.
RAYTHEON COMPANY	62,437.	111,188.
RBC BEARINGS INC	23,437.	23,118.
RBC BEARINGS INC	278,618.	366,874.
REALTY INCOME CORP	30,184.	40,349.
REATA PHARMACEUTICALS INC CL A	4,292.	10,426.
RECKITT BENCKISER GROUP SPONSORED	17,111.	15,186.
RECRO PHARMA INC	1,296.	2,475.
RED ELECTRICA CORP UNSPONSORED	8,284.	7,829.
RED ROCK RESORTS INC CL A	9,503.	10,107.
REDFIN CORP	9,393.	11,289.
REGENCY CENTERS CORPORATION	19,827.	18,548.
REGENERON PHARMACEUTICALS INC	76,278.	52,567.
REGENXBIO INC	11,513.	8,235.
REGIONAL MANAGEM	2,223.	2,823.
REGIONS FINANCIAL CORP	16,400.	29,103.
RELX PLC SPONSORED	17,101.	19,761.
RENAULT SA UNSPONSORED	5,761.	2,892.
RENT A CENTER INC	7,967.	8,479.
REPLIGEN CORPORATION	28,086.	29,508.
REPSOL SA SPONSORED	7,638.	6,444.
REPUBLIC SERVICES INC	16,519.	33,880.
RESMED INC	22,547.	41,222.
RESTAURANT BRANDS INTERNATIONAL INC	148,081.	148,265.
RESTAURANT BRANDS INTERNATIONAL INC	8,197.	8,035.
RETROPHIN INC	5,308.	3,550.
REVANCE THERAPEUTICS INC	3,089.	3,960.
REXNORD CORP	3,081.	3,588.
RH	2,598.	6,619.
RHYTHM PHARMACEUTICALS INC	2,941.	3,237.
RIGEL PHARMACEUTICALS INC	2,999.	2,568.
RIMINI STREET INC	5,523.	5,416.
RIO TINTO PLC SPONSORED	9,949.	12,347.
RITCHIE BROS AUCTIONEERS INC	196,059.	272,647.
RIVIAN AUTOMOTIVE INC	74,477.	74,477.
RLI CORP	21,127.	21,785.
RMR GROUP INC CL A	3,158.	3,651.
ROBERT HALF INTL INC	10,758.	13,135.
ROCHE HOLDING LTD SPONSORED	41,747.	54,484.
ROCKET PHARMACEUTICALS INC	2,899.	5,212.
ROCKWELL AUTOMATION INC	23,051.	42,966.
ROCKWELL MEDICAL INC	2,930.	2,440.
ROGERS COMMUNICATIONS-CL B	4,663.	4,421.
ROGERS CORP	16,704.	14,843.
ROLLINS INC	12,617.	10,578.
ROLLS-ROYCE HOLDINGS PLC SPONSORED	7,235.	5,316.
ROPER TECHNOLOGIES INC	36,398.	65,887.
ROSS STORES INC	32,619.	74,858.
ROSS STORES INC	190,332.	301,411.
ROYAL BANK OF CANADA	28,057.	29,066.
ROYAL BANK OF SCOTLAND SPONSORED	11,268.	10,813.
ROYAL CARIBBEAN CRUISES LTD	33,311.	42,990.
ROYAL DUTCH SHELL PLC SPONSORED	27,693.	27,346.
ROYAL DUTCH SHELL PLC SPONSORED	35,577.	35,329.
ROYAL KPN NEDERLAND NV SPONSORED	6,049.	5,514.
RPM INTERNATIONAL INC	291,857.	439,988.
RUBICON PROJECT INC/THE	3,036.	3,460.

RUBIUS THERAPEUTICS INC	7,493.	5,577.
RUTH'S HOSPITALITY GROUP INC	3,019.	2,917.
RWE AKTIENGESELLSCHAFT SPONSORED	6,759.	8,309.
RYMAN HOSPITALITY PPTYS INC	21,091.	24,005.
RYOHIN KEIKAKU CO UNSPONSORED	6,428.	5,037.
S&P GLOBAL INC	44,318.	120,688.
SAFEGUARD SCIENTIFICS INC	2,944.	2,756.
SAFEHOLD INC	708.	1,531.
SAFRAN SA UNSPONSORED	11,419.	17,415.
SAIA INC	6,032.	8,940.
SAILPOINT TECHNOLOGIES HOLDINGS INC	10,407.	12,225.
SALESFORCE COM INC	154,736.	255,182.
SALESFORCE COM INC	286,175.	455,229.
SAMPO OYJ A SHARES UNSPONSORED	12,234.	10,299.
SANDERSON FARMS INC	11,430.	17,798.
SANDVIK AB SPONSORED	3,088.	3,479.
SANGAMO THERAPEUTICS INC	5,797.	4,101.
SANLAM LTD SPONSORED	10,397.	11,497.
SANMINA CORPORATION	2,966.	3,356.
SANOFI SPONSORED	26,194.	26,706.
SANTEN PHARMACEUTICAL CO UNSPONSORED	6,046.	7,165.
SAP SE SPONSORED	22,602.	26,798.
SASOL LTD SPONSORED	7,661.	5,467.
SAUL CENTERS INC	3,539.	3,431.
SBA COMMUNICATIONS CORP CL A	30,558.	47,957.
SBERBANK RUSSIA SPONSORED	12,912.	15,646.
SCHLUMBERGER LTD	186,611.	100,178.
SCHNEIDER ELECTRIC UNSPONSORED	10,728.	12,628.
SCHNEIDER NATIONAL INC CL B	179,746.	160,813.
SCIENCE APPLICATIONS INTL CORP	30,688.	31,153.
SCIENTIFIC GAMES CORP	6,497.	9,025.
SCOR SPONSORED	12,824.	12,961.
SEAGATE TECHNOLOGY PLC	18,691.	28,263.
SEALED AIR CORP NEW	15,395.	12,507.
SEAWORLD ENTERTAINMENT INC	10,193.	9,672.
SECOM LTD UNSPONSORED	6,712.	8,084.
SEIKO EPSON UNSPONSORED	9,189.	6,104.
SELECT MEDICAL HOLDINGS CORPORATION	10,319.	15,498.
SELECTIVE INS GROUP INC	12,128.	10,430.
SEMICONDUCTOR MANUF SPONSORED	2,564.	3,616.
SEMPRA ENERGY	52,786.	76,043.
SEMPRA ENERGY	145,227.	189,653.
SEMTECH CORP	18,040.	19,361.
SENSIENT TECHNOLOGIES CORP	9,626.	8,922.
SERVICENOW INC	96,175.	96,271.
SERVICENOW INC	133,147.	278,932.
SERVISFIRST BANCSHARES INC	7,694.	8,855.
SEVEN & I HOLDINGS UNSPONSORED	17,226.	14,872.
SGS SA UNSPONSORED	9,452.	10,538.
SHAKE SHACK INC - CLASS A	12,639.	10,186.
SHARP CORPORATION UNSPONSORED	3,824.	2,000.
SHAW COMMUNICATIONS INC-CL B	7,835.	6,939.
SHENANDOAH TELECOMMUNICATION	11,924.	12,941.
SHERWIN WILLIAMS CO	40,746.	86,364.
SHIMANO INC UNSPONSORED ADR	6,542.	7,728.
SHIN ETSU CHEMICAL CO UNSPONSORED	10,998.	13,365.
SHINHAN FINANCIAL GROUP SPONSORED	27,478.	25,012.
SHISEIDO LTD SPONSORED	7,473.	13,325.

SHOCKWAVE MEDICAL INC	2,989.	2,635.
SHOPRITE HLDGS SPONSORED	8,747.	5,517.
SHOTSPOTTER INC	2,975.	1,938.
SHUTTERSTOCK INC	4,509.	4,974.
SIBANYE-STILLWATER SPONSORED	5,535.	5,968.
SI-BONE INC	3,034.	3,247.
SIEMENS AG SPONSORED	22,442.	20,985.
SIENTRA INC	2,994.	4,202.
SIGA TECHNOLOGIES INC	2,993.	2,509.
SIGNATURE BANK	255,451.	293,985.
SILICON LABORATORIES INC	27,582.	31,315.
SILICON LABORATORIES INC	165,261.	240,427.
SILK ROAD MEDICAL INC	3,044.	2,988.
SIMON PROPERTY GROUP INC	109,213.	80,885.
SIMPSON MANUFACTURING CO INC	17,512.	21,742.
SIMULATIONS PLUS INC	933.	1,570.
SINA CORP	5,192.	2,595.
SINGAPORE EXCHANGE LTD UNSPONSORED	17,875.	21,366.
SINGAPORE TELECOM SPONSORED	4,607.	5,112.
SITEONE LANDSCAPE SUPPLY INC	16,500.	23,750.
SJW GROUP	6,626.	7,319.
SK TELECOM LTD SPONSORED	21,937.	21,192.
SKF AB SPONSORED	3,828.	3,671.
SKYLINE CHAMPION CORP	8,439.	9,637.
SKYWORKS SOLUTIONS INC	26,100.	36,748.
SL GREEN REALTY CORP	19,335.	14,976.
SLACK TECHNOLOGIES INC CL A	84,955.	73,375.
SLEEP NUMBER CORP	3,364.	8,125.
SMC CORPORATION SPONSORED	9,108.	11,626.
SMITH & NEPHEW PLC SPONSORED	9,130.	12,018.
SMITH A O CORPORATION	13,315.	11,529.
SMITHS GROUP PLC SPONSORED	6,502.	6,632.
SNAP-ON INC	15,660.	16,093.
SOCIEDAD QUIMICA MINERA SPONSORED	2,757.	1,281.
SOCIETE GENERALE SPONSORED	9,723.	6,015.
SODEXO SA SPONSORED	9,137.	9,670.
SOFTBANK GROUP CORP UNSPONSORED	16,137.	16,930.
SOLARIS OILFIELD INFRASTRUCTURE INC	2,896.	3,136.
SONIC HEALTHCARE LTD SPONSORED	10,418.	11,962.
SONOS INC	4,736.	6,576.
SONOVA HOLDING AG UNSPONSORED	11,841.	15,008.
SONY CORP SPONSORED	12,464.	22,440.
SORRENTO THERAPEUTICS INC	3,414.	1,829.
SOUTH JERSEY INDS INC	3,044.	3,034.
SOUTH32 LTD SPONSORED	6,154.	4,530.
SOUTHERN COMPANY	34,079.	120,903.
SOUTHWEST AIRLINES CO	41,512.	49,122.
SOUTHWEST GAS HLDGS INC	3,068.	2,583.
SPARK NEW ZEALAND SPONSORED	4,646.	4,826.
SPARTAN MOTORS INC	467.	2,025.
SPECTRUM PHARMACEUTICALS INC	14,898.	2,872.
SPIRIT AIRLINES INC	16,515.	13,141.
SPLUNK INC	236,865.	332,040.
SPOTIFY TECHNOLOGY SA	263,589.	275,621.
SPS COMMERCE INC	11,304.	12,082.
SPX CORP	7,344.	10,939.
SS&C TECHNOLOGIES HLDGS INC	202,257.	312,587.
SSE PLC SPONSORED	7,631.	8,963.

STAAR SURGICAL CO	8,869.	9,426.
STANDARD BANK GROUP SPONSORED	6,896.	6,677.
STANDARD MTR PRODS INC	3,003.	3,566.
STANLEY BLACK & DECKER INC	32,342.	46,904.
STARBUCKS CORP	134,540.	187,797.
STATE AUTO FINL CORP	2,981.	2,606.
STATE STREET CORP	45,515.	51,573.
STEELCASE INC	2,877.	3,540.
STEMLINE THERAPEUTICS INC	3,214.	2,572.
STERIS PLC	24,126.	24,540.
STERIS PLC	222,945.	390,500.
STITCH FIX INC CL A	6,446.	5,774.
STOCK YARDS BANCORP INC	3,007.	3,531.
STORA ENSO CORPORATION SPONSORED	5,255.	5,082.
STRATEGIC EDUCATION INC	12,209.	20,498.
STRIPE INC	10,230.	10,230.
STRYKER CORPORATION	65,507.	121,135.
STRYKER CORPORATION	380,030.	564,109.
STURM RUGER & CO INC	4,735.	3,998.
SUBARU CORP UNSPONSORED	7,183.	5,064.
SUEZ UNSPONSORED	8,596.	8,011.
SUMITOMO CHEM CO LTD UNSPONSORED	8,350.	6,078.
SUMITOMO MITSUI FINL GROUP SPONSORED	11,529.	11,026.
SUMITOMO MITSUI TRUST SPONSORED	4,552.	4,971.
SUMMIT HOTEL PROPERTIES	261,067.	213,013.
SUMMIT MATERIALS INC	2,944.	3,728.
SUN COMMUNITIES INC	223,990.	387,408.
SUN HUNG KAI PROP LTD SPONSORED	23,252.	21,309.
SUN LIFE FINANCIAL INC	9,917.	11,620.
SUNCOR ENERGY INC	19,768.	18,598.
SUNRUN INC	6,166.	9,833.
SUNTORY BVRGE & FOOD LTD UNSPONSORED	7,220.	6,524.
SUPERNUS PHARMACEUTICALS INC	8,683.	7,069.
SURGUTNEFTEGAZ PJSC SPONSORED	2,669.	3,335.
SURMODICS INC	3,161.	3,314.
SUZANO SA SPONSORED	7,658.	8,964.
SUZUKI MOTOR CORP UNSPONSORED	2,643.	3,001.
SVB FINANCIAL GROUP	26,381.	25,104.
SVENSKA HANDELSBANKEN AB UNSPONSORED	5,804.	4,208.
SVMK INC	8,592.	9,042.
SWATCH GROUP AG UNSPONSORED	6,394.	4,487.
SWEDBANK AB SPONSORED	4,994.	2,723.
SWIRE PAC LTD SPONSORED	11,771.	10,527.
SWISS RE LTD SPONSORED	8,726.	11,220.
SWISSCOM SPONSORED	3,784.	4,281.
SYMRISE AG UNSPONSORED	13,199.	16,605.
SYNCHRONY FINANCIAL	33,863.	39,863.
SYNEOS HEALTH INC CL A	2,842.	3,450.
SYNOPSIS INC	22,049.	39,254.
SYROS PHARMACEUTICALS INC	2,987.	2,716.
SYSCO CORP	43,224.	79,638.
SYSTEMEX CORP	7,631.	7,480.
SYSTEMAX INC	3,348.	2,969.
T ROWE PRICE GROUP INC	34,758.	53,122.
TABULA RASA HEALTHCARE INC	4,632.	5,501.
TACTILE SYSTEMS TECHNOLOGY INC	3,662.	7,426.
TAILORED BRANDS INC	13,352.	1,780.
TAIWAN SEMICONDUCTOR SPONSORED	60,786.	93,367.

TAKEDA PHARMACEUTICAL SPONSORED	23,476.	20,697.
TAKE-TWO INTERACTIVE SOFTWARE INC	23,391.	26,690.
TAL EDUCATION GROUP SPONSORED	6,834.	9,736.
TANDEM DIABETES CARE INC	10,723.	19,969.
TANGER FACTORY OUTLET CTRS INC	9,053.	8,131.
TAPESTRY INC	16,979.	12,595.
TARGET CORP	68,844.	115,645.
TARGET HOSPITALITY CORP	2,969.	1,655.
TATA MOTORS LTD SPONSORED	24,861.	12,788.
TAYLOR MORRISON HOME CORP	2,014.	2,273.
TC ENERGY CORP	13,906.	14,660.
TCF FINANCIAL CORP	208,814.	221,832.
TD AMERITRADE HOLDING CORP	66,425.	98,456.
TDK CORP SPONSORED	9,716.	13,519.
TE CONNECTIVITY LIMITED	36,916.	55,971.
TECHNIPFMC LTD	24,273.	15,544.
TECHTARGET INC	3,532.	4,437.
TECHTRONIC INDS LTD SPONSORED	12,329.	16,490.
TELADOC HEALTH INC	32,646.	39,767.
TELARIA INC	3,047.	3,330.
TELECOM ITALIA SPA SPONSORED	4,263.	2,750.
TELEFLEX INC	21,905.	32,374.
TELEFONICA BRASIL SA SPONSORED	4,043.	4,940.
TELEFONICA SA SPONSORED	5,581.	3,576.
TELEKOMUNIKASI INDONESIA SPONSORED	15,278.	15,419.
TELENOR ASA SPONSORED	2,397.	2,041.
TELLURIAN INC	3,267.	3,560.
TELSTRA CORP SPONSORED	6,042.	5,536.
TELUS CORP	2,649.	2,866.
TEMPLETON GLOBAL BOND FUND	3,093,844.	2,740,678.
TENABLE HOLDINGS INC	6,823.	5,367.
TENARIS SA SPONSORED	6,182.	4,777.
TENCENT HLDGS LTD UNSPONSORED	522,920.	612,176.
TENCENT HLDGS LTD UNSPONSORED	67,747.	73,407.
TENCENT MUSIC ENTERTAIN SPONSORED	121,962.	100,999.
TENET HEALTHCARE CORP	10,759.	22,057.
TENNANT CO	7,158.	8,493.
TEREX CORP	8,546.	8,606.
TERNA RETE ELETTRICA UNSPONSORED	14,274.	16,261.
TERRAFORM POWER INC CL A	1,910.	1,985.
TERRENO REALTY CORP	2,972.	3,248.
TESCO PLC SPONSORED	9,691.	12,073.
TETRA TECH INC	28,050.	28,433.
TEVA PHARMACEUTICAL INDS SPONSORED	6,086.	3,136.
TEXAS INSTRUMENTS INC	102,001.	215,784.
TEXAS ROADHOUSE INC CL A	24,227.	25,231.
TEXAS ROADHOUSE INC CL A	271,268.	241,782.
TEXTRON INC	18,350.	19,490.
TG THERAPEUTICS INC	4,601.	7,448.
THE GEO GROUP INC	13,359.	11,943.
THE HERSHEY COMPANY	26,874.	40,273.
THE JOINT CORP	2,978.	2,502.
THERAPEUTICSMD INC	2,890.	2,965.
THERAVANCE BIOPHARMA, INC	4,731.	6,913.
THERMO FISHER SCIENTIFIC INC	102,739.	233,582.
THOMSON REUTERS CORP	11,502.	18,043.
TIFFANY & CO	18,605.	27,799.
TIM PARTICIPACOES SA SPONSORED	5,926.	6,306.

TJX COS INC	78,999.	129,936.
T-MOBILE US INC	44,418.	43,837.
TOKIO MARINE HOLDINGS SPONSORED	9,401.	12,876.
TOKYO ELECTRON LTD UNSPONSORED	4,884.	6,993.
TOOTSIE ROLL INDS INC	3,318.	3,004.
TOPBUILD CORP	8,839.	22,471.
TORAY INDS	8,811.	6,149.
TORO CO	313,799.	399,226.
TORONTO DOMINION BANK	25,284.	25,483.
TOSHIBA CORP UNSPONSORED	6,274.	7,402.
TOTAL S.A. SPONSORED	29,422.	28,037.
TOYOTA MOTOR CORP SPONSORED	39,984.	46,659.
TPI COMPOSITES INC	4,453.	3,221.
TRACTOR SUPPLY CO	19,142.	19,529.
TRANSCAT INC	3,000.	3,823.
TRANSDIGM GROUP INC	23,919.	49,840.
TRANSLATE BIO INC	2,997.	2,507.
TRAVELERS COMPANIES INC	52,114.	62,449.
TREASURY WINE ESTATES LTD	10,659.	10,242.
TREND MICRO INC SPONSORED	4,075.	4,122.
TREX COMPANY INC	15,488.	35,233.
TRICIDA INC	4,446.	4,982.
TRINET GROUP INC	13,080.	17,606.
TRIP.COM GROUP LTD SPONSORED	4,537.	3,086.
TRIUMPH BANCORP INC	1,705.	1,673.
TRIUMPH GROUP INC	2,925.	3,310.
TRONOX HOLDINGS PLC CL A	7,033.	3,049.
TRUECAR INC	2,969.	2,712.
TRUIST FINANCIAL CORP	84,453.	132,972.
TRUPANION INC	4,217.	6,705.
TTEC HOLDINGS INC	3,992.	3,447.
TUCOWS INC CL A	2,998.	3,707.
TURKCELL ILETISIM HIZM SPONSORED	3,958.	3,068.
TURKIYE GARANTI BANKASI SPONSORED	4,107.	2,447.
TURNING POINT BRANDS INC	2,973.	1,630.
TURNING POINT THERAPEUTICS INC	3,012.	4,485.
TWIN RIVER WORLDWIDE HOLDINGS	3,593.	3,258.
TWIST BIOSCIENCE CORP	3,858.	2,688.
TWITTER INC	51,659.	42,178.
TYLER TECHNOLOGIES INC	151,290.	267,618.
TYSON FOODS INC CL A	29,044.	48,980.
UBER TECHNOLOGIES INC	70,323.	53,205.
UBISOFT ENTERTAINMENT SA UNSPONSORED	6,062.	4,093.
UBS GROUP AG	13,756.	10,240.
UDR INC	18,018.	23,443.
UIPATH INC	26,759.	26,759.
UIPATH INC	4,486.	4,486.
ULTA BEAUTY INC	19,591.	24,301.
ULTRAGENYX PHARMACEUTICAL INC	22,637.	16,230.
ULTRAPAR PARTICIPACOES SPONSORED	5,750.	4,501.
UMH PROPERTIES INC	3,005.	3,791.
UMICORE SA UNSPONSORED	3,797.	3,305.
UNDER ARMOUR INC CL C	22,491.	9,206.
UNDER ARMOUR INC-CL A	4,839.	6,156.
UNICHARM CORPORATION SPONSORED	7,756.	11,085.
UNICREDIT SPA UNSPONSORED	8,352.	7,591.
UNILEVER NV NY SHARES	7,009.	6,723.
UNILEVER PLC SPONSORED	21,013.	20,524.

UNION PAC CORP	113,415.	225,626.
UNISYS CORPORATION	3,006.	3,522.
UNITED AIRLINES HOLDINGS INC	25,261.	37,614.
UNITED CMNTY FINL CORP OHIO	1,331.	2,122.
UNITED COMMUNITY BANK	2,972.	3,335.
UNITED FIRE GROUP INC	3,001.	2,711.
UNITED MICROELECTRONICS SPONSORED	19,518.	22,340.
UNITED OVERSEAS BANK-SPONSORED	17,456.	19,422.
UNITED PARCEL SERVICE CL B	131,526.	148,081.
UNITED RENTALS INC	10,458.	23,348.
UNITED TECHNOLOGIES CORP	149,995.	215,954.
UNITED UTILITIES GROUP SPONSORED	5,985.	6,454.
UNITEDHEALTH GROUP INC	222,188.	499,766.
UNITEDHEALTH GROUP INC	321,495.	433,033.
UNITI GROUP INC	9,614.	9,179.
UNITY BIOTECHNOLOGY INC	2,887.	2,682.
UNIVERSAL ELECTRONICS INC	3,145.	3,867.
UNIVERSAL FOREST PRODUCTS INC	11,685.	15,216.
UNIVERSAL HEALTH REALTY INCOME	6,220.	8,215.
UNIVERSAL HEALTH SERVICES INC	17,621.	20,945.
UNUM GROUP	12,734.	10,877.
UPLAND SOFTWARE INC	4,479.	5,357.
UPM KYMMENE OYJ UNSPONSORED	9,960.	11,894.
UPWORK INC	5,577.	3,532.
UROGEN PHARMA LTD	3,656.	3,771.
US BANCORP NEW	112,431.	149,885.
US CONCRETE INC	4,780.	3,916.
US ECOLOGY INC	8,247.	7,702.
US PHYSICAL THERAPY INC	12,658.	11,549.
USANA HEALTH SCIENCES INC	10,355.	7,698.
V.F. CORP	38,343.	58,700.
VAIL RESORTS INC	220,742.	258,537.
VALE S.A. SPONSORED	6,584.	7,933.
VALEO SA-SPONSORED	5,309.	3,174.
VALERO ENERGY CORP	47,048.	68,365.
VANDA PHARMACEUTICALS	4,190.	5,169.
VANGUARD RUSSELL 1000 VALUE INDEX	18,856,731.	20,584,844.
VANGUARD SMALL-CAP VALUE INDEX FUND	3,910,345.	3,982,480.
VAREX IMAGING CORP	3,013.	2,921.
VARIAN MEDICAL SYSTEMS INC	10,329.	21,586.
VARONIS SYSTEMS INC	8,488.	14,221.
VECTOR GROUP LTD	8,688.	12,105.
VEDANTA LTD SPONSORED	25,992.	14,153.
VENTAS INC	36,807.	36,838.
VEOLIA ENVIRONNEMENT SPONSORED	5,371.	6,140.
VERACYTE INC	8,186.	7,873.
VERICEL CORPORATION	3,915.	5,290.
VERINT SYS INC	20,772.	20,705.
VERISIGN INC	17,088.	35,260.
VERISK ANALYTICS INC	24,517.	44,653.
VERITEX HOLDINGS INC	1,849.	1,835.
VERIZON COMMUNICATIONS INC	164,609.	453,132.
VERRA MOBILITY CORP	9,484.	9,639.
VERTEX PHARMACEUTICALS INC	57,219.	98,309.
VERTEX PHARMACEUTICALS INC	213,197.	415,129.
VESTAS WIND SYSTEMS UNSPONSORED	4,746.	5,320.
VIACOMCBS INC CL B	55,035.	39,788.
VIAD CORP	8,446.	8,168.

VIAVI SOLUTIONS INC	19,986.	20,835.
VICOR CORP	3,047.	6,074.
VIEWRAY INC	3,876.	1,768.
VINCI SA UNSPONSORED	13,147.	15,058.
VIPSHOP HLDGS LTD SPONSORED	3,142.	5,115.
VIRNETX HOLDING	2,869.	1,493.
VIRTUSA CORP	7,649.	7,887.
VISA INC CL A	245,484.	576,477.
VISA INC CL A	567,667.	1,293,128.
VISHAY PRECISION GROUP	364.	1,054.
VIVENDI SA UNSPONSORED	10,693.	12,275.
VIVINT SOLAR INC	3,045.	2,657.
VMWARE INC	245,676.	271,704.
VOCERA COMMUNICATIONS INC	5,586.	3,861.
VODAFONE GROUP SPONSORED	11,779.	7,887.
VOLKSWAGEN AG SPONSORED	4,558.	5,112.
VOLKSWAGEN AG UNSPONSORED	5,885.	7,013.
VOLVO AB B SHS UNSPONSORED	7,800.	6,910.
VONAGE HOLDINGS CORP	6,257.	6,862.
VORNADO REALTY TRUST	23,378.	18,953.
VOYAGER THERAPEUTICS INC	3,474.	2,023.
VULCAN MATERIALS CO	21,514.	31,390.
WABTEC CORP	22,906.	24,663.
WABTEC CORP	232,860.	241,258.
WAL MART DE MEXICO SPONSORED	10,295.	11,322.
WALGREENS BOOTS ALLIANCE INC	114,851.	82,190.
WALMART INC	154,564.	302,091.
WASTE MANAGEMENT INC	40,707.	80,456.
WATERS CORP	17,054.	30,842.
WATERSTONE FINANCIAL INC	986.	1,408.
WATTS WATER TECHNOLOGIES INC	8,562.	9,377.
WAVE LIFE SCIENCES LTD	2,938.	890.
WD 40 CO	14,700.	16,114.
WEBSTER FINANCIAL CORP	282,049.	305,219.
WEC ENERGY GROUP INC	31,923.	51,741.
WEIBO CORP SPONSORED	3,635.	1,761.
WELBILT INC	12,975.	12,238.
WELLCARE HEALTH PLANS INC	28,333.	31,040.
WELLS FARGO & CO	377,576.	370,574.
WELLTOWER INC	49,298.	59,454.
WESCO AIRCRAFT HOLDINGS INC	2,975.	3,141.
WESFARMERS LIMITED UNSPONSORED	9,753.	11,044.
WEST JAPAN RAILWAY CO UNSPONSORED	10,671.	13,106.
WEST PHARMACEUTICAL SVCS INC	268,726.	427,539.
WESTAMERICA BANCORPORATION	2,955.	3,321.
WESTERN ALLIANCE BANCORPORATION	351,260.	383,781.
WESTERN ASSET FDS INC CORE PLUS BD	2,742,690.	2,696,217.
WESTERN DIGITAL CORP	27,200.	30,910.
WESTERN UNION CO	15,014.	20,513.
WESTPAC BKG CORP SPONSORED	28,819.	19,918.
WESTROCK CO	20,620.	18,022.
WEYERHAEUSER CO	38,003.	40,589.
WHEATON PRECIOUS METALS CORP	4,486.	7,467.
WHIRLPOOL CORPORATION	19,100.	17,851.
WILLDAN GROUP INC	2,935.	2,701.
WILLIAMS COS INC	68,313.	48,982.
WILLIS TOWERS WATSON PLC	26,638.	44,831.
WILLSCOT CORP	3,129.	3,883.

WINGSTOP INC	15,564.	14,142.
WINNEBAGO INDS INC	6,352.	7,046.
WIPRO LTD SPONSORED	17,805.	16,448.
WIRECARD AG UNSPONSORED	22,957.	20,313.
WISDOMTREE INVESTMENTS INC	2,986.	2,323.
WM MORRISON SUPERMARKETS UNSPONSORED	7,682.	6,361.
WOLTERS KLUWER NV SPONSORED	5,261.	8,518.
WOLVERINE WORLD WIDE INC	6,996.	8,637.
WOODSIDE PETROLEUM SPONSORED	11,626.	11,969.
WOORI FINANCIAL GROUP INC SPONSORED	27,022.	19,851.
WORKDAY INC-CLASS A	145,004.	203,918.
WORKIVA INC CL A	10,031.	9,882.
WORLD ACCEPTANCE CORP	1,884.	1,987.
WPP PLC SPONSORED	5,801.	4,358.
WR BERKLEY CORP	17,333.	17,551.
WRIGHT MEDICAL GROUP NV	20,223.	23,226.
WYNN RESORTS LTD	13,698.	21,803.
WYNN RESORTS LTD	64,956.	65,547.
XCEL ENERGY INC	34,930.	59,363.
XENCOR INC	12,608.	9,801.
XERIS PHARMACEUTICALS INC	2,894.	1,713.
XEROX HOLDINGS CORP	9,302.	13,015.
XIAOMI CORP UNSPONSORED	2,638.	3,271.
XILINX INC	24,667.	45,365.
XP INC	21,097.	26,925.
XPERI CORP	3,031.	2,664.
XYLEM INC	10,808.	23,401.
YANZHOU COAL SPONSORED	3,929.	3,357.
YARA INTERNATIONAL SPONSORED	4,086.	3,675.
YASKAWA ELECTRIC CORP UNSPONSORED	7,777.	9,006.
YELP INC	21,392.	16,997.
YETI HOLDINGS INC	5,959.	6,469.
YEXT INC	11,798.	8,090.
Y-MABS THERAPEUTICS INC	2,978.	4,094.
YORK WATER CO	2,982.	3,873.
YUM CHINA HOLDINGS INC	8,905.	10,898.
YUM! BRANDS INC	29,503.	57,416.
Z HOLDINGS CORP UNSPONSORED	2,391.	2,237.
ZALANDO SE UNSPONSORED	5,633.	5,928.
ZEBRA TECHNOLOGIES CORP	25,755.	26,055.
ZEBRA TECHNOLOGIES CORP	212,858.	507,304.
ZIMMER BIOMET HOLDINGS INC	40,665.	56,130.
ZIONS BANCORPORATION NA	9,816.	17,341.
ZIOPHARM ONCOLOGY INC	5,562.	4,574.
ZIX CORPORATION	3,114.	2,190.
ZOETIS INC	41,821.	114,350.
ZOGENIX INC	12,273.	13,450.
ZOOM VIDEO COMMUNICATIONS INC CL A	6,803.	7,416.
ZUORA INC CL A	8,981.	8,397.
ZURICH INSURANCE GROUP SPONSORED	15,110.	20,705.
ZYNERBA PHARMACEUTICALS INC	2,595.	1,341.
Total to Form 990-PF, Part II, line 10b	109,051,261.	1,769,193,304.

Form 990-PF	Other Assets		Statement 11
Description	Beginning of Yr Book Value	End of Year Book Value	Fair Market Value
457(b) PLAN BENEFIT PLANS	77,490. 3,095.	89,420. 3,108.	143,331. 3,108.
To Form 990-PF, Part II, line 15	80,585.	92,528.	146,439.

Form 990-PF	Other Liabilities		Statement 12
Description	BOY Amount	EOY Amount	
457(b) PLAN FLEX PLAN	6,642. 44.	6,642. 0.	
Total to Form 990-PF, Part II, line 22	6,686.	6,642.	

Form 990-PF

Part VIII - List of Officers, Directors
Trustees and Foundation Managers

Statement 13

Name and Address	Title and Avrg Hrs/Wk	Compen- sation	Employee Ben Plan Contrib	Expense Account
James B. Williams 191 Peachtree St., Suite 3540 Atlanta, GA 30303	Trustee- Chair 1.00	Emeritus 25,000.	948.	0.
E. Jenner Wood, III 191 Peachtree St., Suite 3540 Atlanta, GA 30303	Trustee- Chair 3.00	35,000.	948.	0.
Lawrence L. Gellerstedt, III 191 Peachtree St., Suite 3540 Atlanta, GA 30303	Trustee 1.00	25,000.	948.	0.
P. Russell Hardin 191 Peachtree St., Suite 3540 Atlanta, GA 30303	President 8.00	104,842.	25,033.	462.
Erik S. Johnson 191 Peachtree St., Suite 3540 Atlanta, GA 30303	Secretary & Treasurer 8.00	52,252.	13,834.	300.
Totals included on 990-PF, Page 6, Part VIII		242,094.	41,711.	762.

Explanation for Reduction Claimed for Blockage or Other Factors

As of December 31, 2019 the Foundation owned 29,448,125 shares of The Coca-Cola Company common stock. These represent approximately .69% of the total 4,280 million shares outstanding. The fair value computed on the per-share price is not necessarily what the Foundation would receive if a significant portion of the stock were sold because of the Foundation's large holding. The Foundation engaged an independent valuation consultant who calculated a blockage discount factor of 1.95%. The average monthly fair value of the shares based on the per-share price was \$1,514,509,226 and the blockage discount was \$29,532,930. $\$1,514,509,226 @ 1.95\% = \$29,532,930.$

Name and Address of Person to Whom Applications Should be Submitted

P. Russell Hardin, President
191 Peachtree St., Suite 3540
Atlanta, GA 30303

Telephone Number

404-522-6755

Form and Content of Applications

Application form not required. Proposals should be submitted via the Foundation's online application portal on its website. Before submitting a formal grant request, prospective grantees are encouraged to submit an informal inquiry to fdns@woodruff.org. The grant request should be made in letter form and include the following information:

- A description of the organization, its purposes, programs, staffing and governing board
- The organization's latest financial statements including the most recent audit report
- A description of the proposed project and full justification for its funding
- An itemized project budget, including other sources of support in hand or anticipated

Any Submission Deadlines

Grants are considered in April and November for requests received by February 1 and August 15.

Restrictions and Limitations on Awards

Grants are made to public charities that provide a full range of basic human services to citizens of metropolitan Atlanta. The Foundation has a particular interest in supporting organizations that serve children and youth. In recent years, the Foundation has concentrated a significant portion of its giving on improving the quality and accessibility of early childhood development programs in metropolitan Atlanta. Grants are reserved for well-established public charities with a broad base of community support. The Foundation provides support for capital projects and programmatic expenses. No grants are made to individuals.

Form and Content of Applications

- Evidence from the IRS of the organization's tax-exempt status and that the applying organization itself is not a private foundation.

