

The Securities and Exchange Commission has not necessarily reviewed the information in this filing and has not determined if it is accurate and complete.

The reader should not assume that the information is accurate and complete.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 13F

FORM 13F COVER PAGE

OMB APPROVAL

OMB Number:	3235-0006
Expires:	July 31, 2015
Estimated average burden hours per response:	23.8

Report for the Calendar Year or Quarter Ended: 12-31-2018

Check here if Amendment Amendment Number:

This Amendment (Check only one.): is a restatement.

adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: AMERICAN INTERNATIONAL GROUP INC

Address: 175 Water Street

New York, NY 10038

Form 13F File
Number: 028-00219

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Geoffrey N. Cornell

Title: Vice President and Deputy AIG Chief Investment Officer

Phone: 212-770-7000

Signature, Place, and Date of Signing:

/s/ Geoffrey N. Cornell

[Signature]

New York, NY

[City, State]

02-13-2019

[Date]

Report Type (Check only one.):

13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)

13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)

13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

Form 13F Summary Page

Report Summary:

Number of Other Included Managers: 2

Form 13F Information Table Entry Total: 3,090

Form 13F Information Table Value Total: 24,315,837

(thousands)

List of Other Included Managers:

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

[If there are no entries in this list, state "NONE" and omit the column headings and list entries.]

No.	Form 13F File Number	Name
1	028-02725	SUNAMERICA ASSET MANAGEMENT, LLC
2	028-13934	AIG Asset Management (U.S.), LLC

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 13F

OMB APPROVAL

OMB Number: 3235-0006
Expires: July 31, 2015
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hours per response: 23.8

FORM 13F INFORMATION TABLE

COLUMN 1 NAME OF ISSUER	COLUMN 2 TITLE OF CLASS	COLUMN 3 CUSIP	COLUMN 4 VALUE (x\$1000)	COLUMN 5 SHRS OR SH/ PRN AMT	COLUMN 6 PUT/ INVESTMENT DISCRETION	COLUMN 7 OTHER MANAGER	COLUMN 8 VOTING AUTHORITY		
							SOLE	SHARED	NONE
1 800 FLOWERS.COM INC CL A	COM	68243Q106	216	17,669 SH	SOLE	1	17,669	0	0
1ST CONSTITUTION BANCORP	COM	31986N102	96	4,831 SH	SOLE	1	4,831	0	0
1ST SOURCE CORP	COM	336901103	417	10,332 SH	SOLE	1	10,332	0	0
22ND CENTURY GROUP INC	COM	90137F103	190	76,498 SH	SOLE	1	76,498	0	0
2U INC	COM	90214J101	65	1,305 SH	SOLE	1	1,305	0	0
3D SYSTEMS CORP	COM	88554D205	868	85,334 SH	SOLE	1	85,334	0	0
3M CO	COM	88579Y101	47,601	249,819 SH	SOLE	1	249,819	0	0
58.COM INC ADR	ADR	31680Q104	87	1,602 SH	SOLE	1	1,602	0	0
8X8 INC	COM	282914100	1,319	73,123 SH	SOLE	1	73,123	0	0
A10 NETWORKS INC	COM	002121101	214	34,323 SH	SOLE	1	34,323	0	0
AAC HOLDINGS INC	COM	000307108	12	8,667 SH	SOLE	1	8,667	0	0
AAON INC	COM	000360206	1,120	31,954 SH	SOLE	1	31,954	0	0
AAR CORP	COM	000361105	951	25,482 SH	SOLE	1	25,482	0	0
AARON S INC	COM	002535300	7,744	184,165 SH	SOLE	1	184,165	0	0
ABBOTT LABORATORIES	COM	002824100	50,036	691,778 SH	SOLE	1	691,778	0	0
ABBVIE INC	COM	00287Y109	452,364	4,906,866 SH	SOLE	1	4,906,866	0	0
ABEONA THERAPEUTICS INC	COM	00289Y107	147	20,578 SH	SOLE	1	20,578	0	0
ABERCROMBIE (PLUS) FITCH CO CL A	COM	002896207	1,039	51,813 SH	SOLE	1	51,813	0	0
ABIOMED INC	COM	003654100	5,543	17,054 SH	SOLE	1	17,054	0	0
ABM INDUSTRIES INC	COM	000957100	1,648	51,327 SH	SOLE	1	51,327	0	0
ABRAXAS PETROLEUM CORP	COM	003830106	114	104,664 SH	SOLE	1	104,664	0	0
ACACIA COMMUNICATIONS INC	COM	00401C108	685	18,017 SH	SOLE	1	18,017	0	0
ACACIA RESEARCH CORP	COM	003881307	95	31,875 SH	SOLE	1	31,875	0	0
ACADIA HEALTHCARE CO INC	COM	00404A109	4,624	179,861 SH	SOLE	1	179,861	0	0
ACADIA PHARMACEUTICALS INC	COM	004225108	1,048	64,798 SH	SOLE	1	64,798	0	0
ACADIA REALTY TRUST	COM	004239109	1,489	62,653 SH	SOLE	1	62,653	0	0
ACCELERATE DIAGNOSTICS INC	COM	00430H102	197	17,162 SH	SOLE	1	17,162	0	0
ACCELERON PHARMA INC	COM	00434H108	1,110	25,477 SH	SOLE	1	25,477	0	0
ACCENTURE PLC CL A	COM	G1151C101	35,447	251,376 SH	SOLE	1	251,376	0	0

ACCESS NATIONAL CORP	COM	004337101	216	10,131	SH	SOLE	1	10,131	0	0
ACCO BRANDS CORP	COM	00081T108	462	68,153	SH	SOLE	1	68,153	0	0
ACCURAY INC	COM	004397105	188	55,059	SH	SOLE	1	55,059	0	0
ACETO CORP	COM	004446100	0	1	SH	SOLE	1	1	0	0
ACHAOGEN INC	COM	004449104	25	20,669	SH	SOLE	1	20,669	0	0
ACHILLION PHARMACEUTICALS	COM	00448Q201	142	89,518	SH	SOLE	1	89,518	0	0
ACI WORLDWIDE INC	COM	004498101	8,574	309,858	SH	SOLE	1	309,858	0	0
ACLARIS THERAPEUTICS INC	COM	00461U105	172	23,307	SH	SOLE	1	23,307	0	0
ACM RESEARCH INC CLASS A	COM	00108J109	60	5,507	SH	SOLE	1	5,507	0	0
ACNB CORP	COM	000868109	177	4,497	SH	SOLE	1	4,497	0	0
ACORDA THERAPEUTICS INC	COM	00484M106	519	33,343	SH	SOLE	1	33,343	0	0
ACTIVISION BLIZZARD INC	COM	00507V109	15,801	339,286	SH	SOLE	1	339,286	0	0
ACTUANT CORP A	COM	00508X203	993	47,330	SH	SOLE	1	47,330	0	0
ACUITY BRANDS INC	COM	00508Y102	9,478	82,450	SH	SOLE	1	82,450	0	0
ACUSHNET HOLDINGS CORP	COM	005098108	480	22,791	SH	SOLE	1	22,791	0	0
ADAMAS PHARMACEUTICALS INC	COM	00548A106	125	14,652	SH	SOLE	1	14,652	0	0
ADAMS RESOURCES (PLUS) ENERGY INC	COM	006351308	55	1,424	SH	SOLE	1	1,424	0	0
ADDUS HOMECARE CORP	COM	006739106	514	7,574	SH	SOLE	1	7,574	0	0
ADESTO TECHNOLOGIES CORP	COM	00687D101	72	16,253	SH	SOLE	1	16,253	0	0
ADIANT PLC	COM	G0084W101	2,668	177,164	SH	SOLE	1	177,164	0	0
ADMA BIOLOGICS INC	COM	000899104	30	12,735	SH	SOLE	1	12,735	0	0
ADOBE INC	COM	00724F101	48,722	215,354	SH	SOLE	1	215,354	0	0
ADT INC	COM	00090Q103	11	1,913	SH	SOLE	1	1,913	0	0
ADTALEM GLOBAL EDUCATION INC	COM	00737L103	7,436	157,135	SH	SOLE	1	157,135	0	0
ADTRAN INC	COM	00738A106	399	37,151	SH	SOLE	1	37,151	0	0
ADURO BIOTECH INC	COM	00739L101	111	42,234	SH	SOLE	1	42,234	0	0
ADVANCE AUTO PARTS INC	COM	00751Y106	4,275	27,149	SH	SOLE	1	27,149	0	0
ADVANCED DISPOSAL SERVICES I	COM	00790X101	1,142	47,721	SH	SOLE	1	47,721	0	0
ADVANCED DRAINAGE SYSTEMS IN	COM	00790R104	578	23,834	SH	SOLE	1	23,834	0	0
ADVANCED EMISSIONS SOLUTIONS	COM	00770C101	128	12,170	SH	SOLE	1	12,170	0	0
ADVANCED ENERGY INDUSTRIES	COM	007973100	1,279	29,792	SH	SOLE	1	29,792	0	0
ADVANCED MICRO DEVICES	COM	007903107	7,398	400,751	SH	SOLE	1	400,751	0	0
ADVANSIX INC	COM	00773T101	566	23,271	SH	SOLE	1	23,271	0	0
ADVERUM BIOTECHNOLOGIES INC	COM	00773U108	113	35,843	SH	SOLE	1	35,843	0	0
AECOM	COM	00766T100	8,445	318,696	SH	SOLE	1	318,696	0	0
AEGION CORP	COM	00770F104	407	24,926	SH	SOLE	1	24,926	0	0
AEGLEA BIOTHERAPEUTICS INC	COM	00773J103	81	10,843	SH	SOLE	1	10,843	0	0

AERCAP HOLDINGS NV	COM	N00985106	679	17,146	SH	SOLE	1	17,146	0	0
AERIE PHARMACEUTICALS INC	COM	00771V108	845	23,419	SH	SOLE	1	23,419	0	0
AEROHIVE NETWORKS INC	COM	007786106	71	21,854	SH	SOLE	1	21,854	0	0
AEROJET ROCKETDYNE HOLDINGS	COM	007800105	1,980	56,203	SH	SOLE	1	56,203	0	0
AEROVIRONMENT INC	COM	008073108	1,119	16,470	SH	SOLE	1	16,470	0	0
AES CORP	COM	00130H105	8,224	568,724	SH	SOLE	1	568,724	0	0
AFFILIATED MANAGERS GROUP	COM	008252108	2,699	27,704	SH	SOLE	1	27,704	0	0
AFLAC INC	COM	001055102	17,348	380,768	SH	SOLE	1	380,768	0	0
AG MORTGAGE INVESTMENT TRUST	COM	001228105	295	18,502	SH	SOLE	1	18,502	0	0
AGCO CORP	COM	001084102	7,463	134,049	SH	SOLE	1	134,049	0	0
AGENUS INC	COM	00847G705	136	57,334	SH	SOLE	1	57,334	0	0
AGEX THERAPEUTICS INC	COM	00848H108	18	5,895	SH	SOLE	1	5,895	0	0
AGILENT TECHNOLOGIES INC	COM	00846U101	9,612	142,485	SH	SOLE	1	142,485	0	0
AGILYSYS INC	COM	00847J105	176	12,282	SH	SOLE	1	12,282	0	0
AGIOS PHARMACEUTICALS INC	COM	00847X104	55	1,202	SH	SOLE	1	1,202	0	0
AGNC INVESTMENT CORP	COM	00123Q104	326	18,612	SH	SOLE	1	18,612	0	0
AGREE REALTY CORP	COM	008492100	1,545	26,131	SH	SOLE	1	26,131	0	0
AGROFRESH SOLUTIONS INC	COM	00856G109	79	20,761	SH	SOLE	1	20,761	0	0
AIMMUNE THERAPEUTICS INC	COM	00900T107	689	28,820	SH	SOLE	1	28,820	0	0
AIR LEASE CORP	COM	00912X302	54	1,804	SH	SOLE	1	1,804	0	0
AIR PRODUCTS (PLUS) CHEMICALS INC	COM	009158106	15,444	96,497	SH	SOLE	1	96,497	0	0
AIR TRANSPORT SERVICES GROUP	COM	00922R105	877	38,435	SH	SOLE	1	38,435	0	0
AIRCASTLE LTD	COM	G0129K104	617	35,788	SH	SOLE	1	35,788	0	0
AK STEEL HOLDING CORP	COM	001547108	550	244,586	SH	SOLE	1	244,586	0	0
AKAMAI TECHNOLOGIES INC	COM	00971T101	4,047	66,260	SH	SOLE	1	66,260	0	0
AKCEA THERAPEUTICS INC	COM	00972L107	253	8,396	SH	SOLE	1	8,396	0	0
AKEBIA THERAPEUTICS INC	COM	00972D105	312	56,486	SH	SOLE	1	56,486	0	0
AKORN INC	COM	009728106	246	72,559	SH	SOLE	1	72,559	0	0
ALAMO GROUP INC	COM	011311107	578	7,478	SH	SOLE	1	7,478	0	0
ALARM.COM HOLDINGS INC	COM	011642105	1,282	24,722	SH	SOLE	1	24,722	0	0
ALASKA AIR GROUP INC	COM	011659109	2,673	43,927	SH	SOLE	1	43,927	0	0
ALBANY INTL CORP CL A	COM	012348108	1,394	22,322	SH	SOLE	1	22,322	0	0
ALBEMARLE CORP	COM	012653101	3,178	41,235	SH	SOLE	1	41,235	0	0
ALBIREO PHARMA INC	COM	01345P106	147	5,996	SH	SOLE	1	5,996	0	0
ALCOA CORP	COM	013872106	90	3,388	SH	SOLE	1	3,388	0	0
ALDER BIOPHARMACEUTICALS INC	COM	014339105	393	38,356	SH	SOLE	1	38,356	0	0
ALDEYRA THERAPEUTICS INC	COM	01438T106	115	13,909	SH	SOLE	1	13,909	0	0

ALEXANDER (PLUS) BALDWIN INC	COM	014491104	3,341	181,750	SH	SOLE	1	181,750	0	0
ALEXANDER S INC	COM	014752109	427	1,402	SH	SOLE	1	1,402	0	0
ALEXANDRIA REAL ESTATE EQUIT	COM	015271109	4,424	38,389	SH	SOLE	1	38,389	0	0
ALEXION PHARMACEUTICALS INC	COM	015351109	9,653	99,150	SH	SOLE	1	99,150	0	0
ALIBABA GROUP HOLDING SP ADR	ADR	01609W102	2,749	20,055	SH	SOLE	1	20,055	0	0
ALICO INC	COM	016230104	64	2,164	SH	SOLE	1	2,164	0	0
ALIGN TECHNOLOGY INC	ADR	016255101	7,213	34,441	SH	SOLE	1	34,441	0	0
ALKERMES PLC	COM	G01767105	219	7,413	SH	SOLE	1	7,413	0	0
ALLAKOS INC	COM	01671P100	289	5,527	SH	SOLE	1	5,527	0	0
ALLEGHANY CORP	COM	017175100	19,102	30,645	SH	SOLE	1	30,645	0	0
ALLEGHENY TECHNOLOGIES INC	COM	01741R102	7,327	336,579	SH	SOLE	1	336,579	0	0
ALLEGIANCE BANCSHARES INC	COM	01748H107	251	7,749	SH	SOLE	1	7,749	0	0
ALLEGiant TRAVEL CO	COM	01748X102	1,002	9,996	SH	SOLE	1	9,996	0	0
ALLEGION PLC	COM	G0176J109	2,698	33,846	SH	SOLE	1	33,846	0	0
ALLENA PHARMACEUTICALS INC	COM	018119107	42	7,632	SH	SOLE	1	7,632	0	0
ALLERGAN PLC	COM	G0177J108	14,348	107,348	SH	SOLE	1	107,348	0	0
ALLETE INC	COM	018522300	10,504	137,818	SH	SOLE	1	137,818	0	0
ALLIANCE DATA SYSTEMS CORP	COM	018581108	2,613	17,410	SH	SOLE	1	17,410	0	0
ALLIANT ENERGY CORP	COM	018802108	3,494	82,707	SH	SOLE	1	82,707	0	0
ALLIED MOTION TECHNOLOGIES	COM	019330109	206	4,601	SH	SOLE	1	4,601	0	0
ALLISON TRANSMISSION HOLDING	COM	01973R101	122	2,773	SH	SOLE	1	2,773	0	0
ALLOGENE THERAPEUTICS INC	COM	019770106	379	14,078	SH	SOLE	1	14,078	0	0
ALLSCRIPTS HEALTHCARE SOLUTI	COM	01988P108	4,509	467,700	SH	SOLE	1	467,700	0	0
ALLSTATE CORP	COM	020002101	14,886	180,157	SH	SOLE	1	180,157	0	0
ALLY FINANCIAL INC	COM	02005N100	175	7,719	SH	SOLE	1	7,719	0	0
ALNYLAM PHARMACEUTICALS INC	COM	02043Q107	221	3,035	SH	SOLE	1	3,035	0	0
ALPHA (PLUS) OMEGA SEMICONDUCTOR	COM	G6331P104	133	13,063	SH	SOLE	1	13,063	0	0
ALPHABET INC CL A	COM	02079K305	148,675	142,278	SH	SOLE	1	142,278	0	0
ALPHABET INC CL C	COM	02079K107	127,943	123,544	SH	SOLE	1	123,544	0	0
ALTA MESA RESOURCES INC A	COM	02133L109	67	66,761	SH	SOLE	1	66,761	0	0
ALTAIR ENGINEERING INC A	COM	021369103	453	16,422	SH	SOLE	1	16,422	0	0
ALTERYX INC CLASS A	COM	02156B103	1,145	19,259	SH	SOLE	1	19,259	0	0
ALTISOURCE PORTFOLIO SOL	COM	L0175J104	146	6,482	SH	SOLE	1	6,482	0	0
ALTRA INDUSTRIAL MOTION CORP	COM	02208R106	994	39,528	SH	SOLE	1	39,528	0	0
ALTRIA GROUP INC	COM	02209S103	351,808	7,123,060	SH	SOLE	1	7,123,060	0	0
AMAG PHARMACEUTICALS INC	COM	00163U106	405	26,661	SH	SOLE	1	26,661	0	0

AMALGAMATED BK OF NEW YORK A	COM	022663108	152	7,787 SH	SOLE	1	7,787	0	0
AMAZON.COM INC	COM	023135106	241,964	161,098 SH	SOLE	1	161,098	0	0
AMBAC FINANCIAL GROUP INC	COM	023139884	606	35,164 SH	SOLE	1	35,164	0	0
AMBARELLA INC	COM	G037AX101	714	20,414 SH	SOLE	1	20,414	0	0
AMBER ROAD INC	COM	02318Y108	127	15,422 SH	SOLE	1	15,422	0	0
AMC ENTERTAINMENT HLDS CL A	COM	00165C104	420	34,220 SH	SOLE	1	34,220	0	0
AMC NETWORKS INC A	COM	00164V103	5,053	92,069 SH	SOLE	1	92,069	0	0
AMDOCS LTD	COM	G02602103	152	2,591 SH	SOLE	1	2,591	0	0
AMEDISYS INC	COM	023436108	2,462	21,021 SH	SOLE	1	21,021	0	0
AMER NATL BNKSHS/DANVILLE VA	COM	027745108	159	5,430 SH	SOLE	1	5,430	0	0
AMERCO	COM	023586100	42	127 SH	SOLE	1	127	0	0
AMEREN CORPORATION	COM	023608102	5,509	84,456 SH	SOLE	1	84,456	0	0
AMERESCO INC CL A	COM	02361E108	176	12,456 SH	SOLE	1	12,456	0	0
AMERICA S CAR MART INC	COM	03062T105	280	3,858 SH	SOLE	1	3,858	0	0
AMERICAN AIRLINES GROUP INC	COM	02376R102	6,005	187,014 SH	SOLE	1	187,014	0	0
AMERICAN AIRLS GROUP	COM	02376R102	378	11,757 SH	SOLE	2	11,757	0	0
AMERICAN ASSETS TRUST INC	COM	024013104	1,197	29,797 SH	SOLE	1	29,797	0	0
AMERICAN AXLE (PLUS) MFG HOLDINGS	COM	024061103	961	86,534 SH	SOLE	1	86,534	0	0
AMERICAN CAMPUS COMMUNITIES	COM	024835100	11,560	279,294 SH	SOLE	1	279,294	0	0
AMERICAN EAGLE OUTFITTERS	COM	02553E106	8,633	446,619 SH	SOLE	1	446,619	0	0
AMERICAN ELECTRIC POWER	COM	025537101	12,479	166,959 SH	SOLE	1	166,959	0	0
AMERICAN EQUITY INVT LIFE HL	COM	025676206	1,945	69,623 SH	SOLE	1	69,623	0	0
AMERICAN EXPRESS CO	COM	025816109	25,796	270,626 SH	SOLE	1	270,626	0	0
AMERICAN FINANCIAL GROUP INC	COM	025932104	13,013	143,743 SH	SOLE	1	143,743	0	0
AMERICAN HOMES 4 RENT A	COM	02665T306	93	4,687 SH	SOLE	1	4,687	0	0
AMERICAN INTERNATIONAL GROUP	COM	026874784	11,804	299,528 SH	SOLE	1	299,528	0	0
AMERICAN NATIONAL INSURANCE	COM	028591105	17	134 SH	SOLE	1	134	0	0
AMERICAN OUTDOOR BRANDS CORP	COM	02874P103	455	35,375 SH	SOLE	1	35,375	0	0
AMERICAN PUBLIC EDUCATION	COM	02913V103	355	12,484 SH	SOLE	1	12,484	0	0
AMERICAN REALTY INVESTORS IN	COM	029174109	16	1,361 SH	SOLE	1	1,361	0	0
AMERICAN RENAL ASSOCIATES HO	COM	029227105	99	8,610 SH	SOLE	1	8,610	0	0
AMERICAN SOFTWARE INC CL A	COM	029683109	197	18,823 SH	SOLE	1	18,823	0	0
AMERICAN STATES WATER CO	COM	029899101	1,906	28,425 SH	SOLE	1	28,425	0	0
AMERICAN TOWER CORP	COM	03027X100	27,939	176,618 SH	SOLE	1	176,618	0	0
AMERICAN VANGUARD CORP	COM	030371108	339	22,323 SH	SOLE	1	22,323	0	0

AMERICAN WATER WORKS CO INC	COM	030420103	10,356	114,090	SH	SOLE	1	114,090	0	0
AMERICAN WOODMARK CORP	COM	030506109	619	11,109	SH	SOLE	1	11,109	0	0
AMERICOLD REALTY TRUST	COM	03064D108	1,452	56,837	SH	SOLE	1	56,837	0	0
AMERIPRISE FINANCIAL INC	COM	03076C106	5,888	56,414	SH	SOLE	1	56,414	0	0
AMERIS BANCORP	COM	03076K108	1,033	32,609	SH	SOLE	1	32,609	0	0
AMERISAFE INC	COM	03071H100	842	14,847	SH	SOLE	1	14,847	0	0
AMERISOURCEBERGEN CORP	COM	03073E105	4,234	56,914	SH	SOLE	1	56,914	0	0
AMES NATIONAL CORP	COM	031001100	144	5,670	SH	SOLE	1	5,670	0	0
AMETEK INC	COM	031100100	6,831	100,895	SH	SOLE	1	100,895	0	0
AMGEN INC	COM	031162100	64,064	329,089	SH	SOLE	1	329,089	0	0
AMICUS THERAPEUTICS INC	COM	03152W109	1,194	124,626	SH	SOLE	1	124,626	0	0
AMKOR TECHNOLOGY INC	COM	031652100	442	67,388	SH	SOLE	1	67,388	0	0
AMN HEALTHCARE SERVICES INC	COM	001744101	2,038	35,963	SH	SOLE	1	35,963	0	0
AMNEAL PHARMACEUTICALS INC	COM	03168L105	774	57,227	SH	SOLE	1	57,227	0	0
AMPHASTAR PHARMACEUTICALS IN	COM	03209R103	547	27,477	SH	SOLE	1	27,477	0	0
AMPHENOL CORP CL A	COM	03209S101	9,005	111,150	SH	SOLE	1	111,150	0	0
AMPIO PHARMACEUTICALS INC	COM	03209T109	25	64,450	SH	SOLE	1	64,450	0	0
AMYRIS INC	COM	03236M200	68	20,477	SH	SOLE	1	20,477	0	0
ANADARKO PETROLEUM CORP	COM	032511107	9,171	209,189	SH	SOLE	1	209,189	0	0
ANALOG DEVICES INC	COM	032654105	13,835	161,193	SH	SOLE	1	161,193	0	0
ANAPLAN INC	COM	03272L108	314	11,845	SH	SOLE	1	11,845	0	0
ANAPTYSBIO INC	COM	032724106	887	13,906	SH	SOLE	1	13,906	0	0
ANDERSONS INC/THE	COM	034164103	628	21,016	SH	SOLE	1	21,016	0	0
ANGIODYNAMICS INC	COM	03475V101	571	28,361	SH	SOLE	1	28,361	0	0
ANI PHARMACEUTICALS INC	COM	00182C103	281	6,235	SH	SOLE	1	6,235	0	0
ANIKA THERAPEUTICS INC	COM	035255108	363	10,815	SH	SOLE	1	10,815	0	0
ANIXTER INTERNATIONAL INC	COM	035290105	1,238	22,798	SH	SOLE	1	22,798	0	0
ANNALY CAPITAL MANAGEMENT IN	COM	035710409	395	40,179	SH	SOLE	1	40,179	0	0
ANSYS INC	COM	03662Q105	4,200	29,384	SH	SOLE	1	29,384	0	0
ANTARES PHARMA INC	COM	036642106	259	95,044	SH	SOLE	1	95,044	0	0
ANTERO RESOURCES CORP	COM	03674X106	883	93,987	SH	SOLE	1	93,987	0	0
ANTHEM INC	COM	036752103	22,999	87,572	SH	SOLE	1	87,572	0	0
ANWORTH MORTGAGE ASSET CORP	COM	037347101	259	64,127	SH	SOLE	1	64,127	0	0
AON PLC	COM	G0408V102	13,570	93,351	SH	SOLE	1	93,351	0	0
APACHE CORP	COM	037411105	4,284	163,192	SH	SOLE	1	163,192	0	0
APARTMENT INVT (PLUS) MGMT CO A	COM	03748R101	2,361	53,810	SH	SOLE	1	53,810	0	0
APELLIS PHARMACEUTICALS INC	COM	03753U106	314	23,777	SH	SOLE	1	23,777	0	0

APERGY CORP	COM	03755L104	4,269	157,649	SH	SOLE	1	157,649	0	0
APOGEE ENTERPRISES INC	COM	037598109	643	21,545	SH	SOLE	1	21,545	0	0
APOLLO COMMERCIAL REAL ESTAT	COM	03762U105	1,574	94,455	SH	SOLE	1	94,455	0	0
APOLLO MEDICAL HOLDINGS INC	COM	03763A207	43	2,188	SH	SOLE	1	2,188	0	0
APPFOLIO INC A	COM	03783C100	609	10,278	SH	SOLE	1	10,278	0	0
APPLE HOSPITALITY REIT INC	COM	03784Y200	56	3,927	SH	SOLE	1	3,927	0	0
APPLE INC	COM	037833100	309,068	1,959,349	SH	SOLE	1	1,959,349	0	0
APPLIED INDUSTRIAL TECH INC	COM	03820C105	1,602	29,693	SH	SOLE	1	29,693	0	0
APPLIED MATERIALS INC	COM	038222105	13,925	425,307	SH	SOLE	1	425,307	0	0
APPLIED OPTOELECTRONICS INC	COM	03823U102	225	14,569	SH	SOLE	1	14,569	0	0
APPROACH RESOURCES INC	COM	03834A103	26	29,655	SH	SOLE	1	29,655	0	0
APTIO INC CLASS A	COM	03835C108	870	22,932	SH	SOLE	1	22,932	0	0
APTARGROUP INC	COM	038336103	12,043	128,021	SH	SOLE	1	128,021	0	0
APTINYX INC	COM	03836N103	145	8,764	SH	SOLE	1	8,764	0	0
APTIV PLC	COM	G6095L109	6,557	106,493	SH	SOLE	1	106,493	0	0
AQUA AMERICA INC	COM	03836W103	12,401	362,695	SH	SOLE	1	362,695	0	0
AQUANTIA CORP	COM	03842Q108	124	14,183	SH	SOLE	1	14,183	0	0
AQUAVENTURE HOLDINGS LTD	COM	G0443N107	136	7,178	SH	SOLE	1	7,178	0	0
AQUESTIVE THERAPEUTICS INC	COM	03843E104	22	3,439	SH	SOLE	1	3,439	0	0
ARAMARK	COM	03852U106	128	4,431	SH	SOLE	1	4,431	0	0
ARATANA THERAPEUTICS INC	COM	03874P101	187	30,516	SH	SOLE	1	30,516	0	0
ARBOR REALTY TRUST INC	COM	038923108	431	42,807	SH	SOLE	1	42,807	0	0
ARBUTUS BIOPHARMA CORP	COM	03879J100	89	23,245	SH	SOLE	1	23,245	0	0
ARCBEST CORP	COM	03937C105	683	19,928	SH	SOLE	1	19,928	0	0
ARCH CAPITAL GROUP LTD	COM	G0450A105	610	22,815	SH	SOLE	1	22,815	0	0
ARCH COAL INC A	COM	039380407	956	11,517	SH	SOLE	1	11,517	0	0
ARCHER DANIELS MIDLAND CO	COM	039483102	8,195	200,023	SH	SOLE	1	200,023	0	0
ARCHROCK INC	COM	03957W106	741	98,969	SH	SOLE	1	98,969	0	0
ARCONIC INC	COM	03965L100	3,682	218,360	SH	SOLE	1	218,360	0	0
ARCOSA INC	COM	039653100	184	6,632	SH	SOLE	1	6,632	0	0
ARCUS BIOSCIENCES INC	COM	03969F109	223	20,663	SH	SOLE	1	20,663	0	0
ARDAGH GROUP SA	COM	L0223L101	4	335	SH	SOLE	1	335	0	0
ARDELYX INC	COM	039697107	52	28,780	SH	SOLE	1	28,780	0	0
ARDMORE SHIPPING CORP	COM	Y0207T100	103	21,994	SH	SOLE	1	21,994	0	0
ARENA PHARMACEUTICALS INC	COM	040047607	1,273	32,683	SH	SOLE	1	32,683	0	0
ARES COMMERCIAL REAL ESTATE	COM	04013V108	230	17,642	SH	SOLE	1	17,642	0	0
ARGAN INC	COM	04010E109	365	9,641	SH	SOLE	1	9,641	0	0
ARGO GROUP INTERNATIONAL	COM	G0464B107	1,436	21,346	SH	SOLE	1	21,346	0	0

ARISTA NETWORKS INC	COM	040413106	3,908	18,550 SH	SOLE	1	18,550	0	0
ARLINGTON ASSET INVESTMENT A	COM	041356205	142	19,599 SH	SOLE	1	19,599	0	0
ARLO TECHNOLOGIES INC W/I	COM	04206A101	78	7,806 SH	SOLE	1	7,806	0	0
ARMADA HOFFLER PROPERTIES IN	COM	04208T108	539	38,351 SH	SOLE	1	38,351	0	0
ARMOUR RESIDENTIAL REIT INC	COM	042315507	670	32,667 SH	SOLE	1	32,667	0	0
ARMSTRONG FLOORING INC	COM	04238R106	166	13,999 SH	SOLE	1	13,999	0	0
ARMSTRONG WORLD INDUSTRIES	COM	04247X102	61	1,041 SH	SOLE	1	1,041	0	0
ARQULE INC	COM	04269E107	198	71,389 SH	SOLE	1	71,389	0	0
ARRAY BIOPHARMA INC	COM	04269X105	1,935	135,789 SH	SOLE	1	135,789	0	0
ARRIS INTERNATIONAL PLC	COM	G0551A103	10,184	333,127 SH	SOLE	1	333,127	0	0
ARROW ELECTRONICS INC	COM	042735100	12,251	177,679 SH	SOLE	1	177,679	0	0
ARROW FINANCIAL CORP	COM	042744102	257	8,040 SH	SOLE	1	8,040	0	0
ARROWHEAD PHARMACEUTICALS IN	COM	04280A100	712	57,305 SH	SOLE	1	57,305	0	0
ARSANIS INC	COM	042873109	8	3,425 SH	SOLE	1	3,425	0	0
ARTESIAN RESOURCES CORP CL A	COM	043113208	182	5,221 SH	SOLE	1	5,221	0	0
ARTHUR J GALLAGHER (PLUS) CO	COM	363576109	4,725	64,115 SH	SOLE	1	64,115	0	0
ARTISAN PARTNERS ASSET MA A	COM	04316A108	700	31,638 SH	SOLE	1	31,638	0	0
ARVINAS INC	COM	04335A105	66	5,117 SH	SOLE	1	5,117	0	0
ASBURY AUTOMOTIVE GROUP	COM	043436104	1,005	15,084 SH	SOLE	1	15,084	0	0
ASCENA RETAIL GROUP INC	COM	04351G101	341	135,757 SH	SOLE	1	135,757	0	0
ASGN INC	COM	00191U102	7,599	139,426 SH	SOLE	1	139,426	0	0
ASHFORD HOSPITALITY TRUST	COM	044103109	229	57,316 SH	SOLE	1	57,316	0	0
ASHFORD INC	COM	044104107	23	436 SH	SOLE	1	436	0	0
ASHLAND GLOBAL HOLDINGS INC	COM	044186104	9,038	127,363 SH	SOLE	1	127,363	0	0
ASML HOLDING NV NY REG SHS	COM	N07059210	636	4,090 SH	SOLE	1	4,090	0	0
ASPEN INSURANCE HOLDINGS LTD	COM	G05384105	5,109	121,672 SH	SOLE	1	121,672	0	0
ASPEN TECHNOLOGY INC	COM	045327103	140	1,704 SH	SOLE	1	1,704	0	0
ASSEMBLY BIOSCIENCES INC	COM	045396108	313	13,840 SH	SOLE	1	13,840	0	0
ASSERTIO THERAPEUTICS INC	COM	04545L107	167	46,282 SH	SOLE	1	46,282	0	0
ASSOCIATED BANC CORP	COM	045487105	6,687	337,901 SH	SOLE	1	337,901	0	0
ASSOCIATED CAPITAL GROUP A	COM	045528106	54	1,536 SH	SOLE	1	1,536	0	0
ASSURANT INC	COM	04621X108	2,828	31,617 SH	SOLE	1	31,617	0	0
ASSURED GUARANTY LTD	COM	G0585R106	73	1,894 SH	SOLE	1	1,894	0	0
ASTEC INDUSTRIES INC	COM	046224101	531	17,579 SH	SOLE	1	17,579	0	0
ASTRONICS CORP	COM	046433108	428	14,071 SH	SOLE	1	14,071	0	0
ASURE SOFTWARE INC	COM	04649U102	42	8,266 SH	SOLE	1	8,266	0	0

AT HOME GROUP INC	COM	04650Y100	552	29,559	SH	SOLE	1	29,559	0	0
AT(PLUS)T INC	COM	00206R102	74,285	2,602,844	SH	SOLE	1	2,602,844	0	0
ATARA BIOTHERAPEUTICS INC	COM	046513107	959	27,616	SH	SOLE	1	27,616	0	0
ATHENAHEALTH INC	COM	04685W103	128	967	SH	SOLE	1	967	0	0
ATHENE HOLDING LTD CLASS A	COM	G0684D107	115	2,880	SH	SOLE	1	2,880	0	0
ATHENEX INC	COM	04685N103	367	28,940	SH	SOLE	1	28,940	0	0
ATHERSYS INC	COM	04744L106	108	74,656	SH	SOLE	1	74,656	0	0
ATKORE INTERNATIONAL GROUP I	COM	047649108	510	25,697	SH	SOLE	1	25,697	0	0
ATLANTIC CAPITAL BANCSHARES	COM	048269203	275	16,800	SH	SOLE	1	16,800	0	0
ATLANTIC POWER CORP	COM	04878Q863	155	71,461	SH	SOLE	1	71,461	0	0
ATLAS AIR WORLDWIDE HOLDINGS	COM	049164205	785	18,607	SH	SOLE	1	18,607	0	0
ATLASSIAN CORP PLC CLASS A	COM	G06242104	214	2,401	SH	SOLE	1	2,401	0	0
ATMOS ENERGY CORP	COM	049560105	22,493	242,593	SH	SOLE	1	242,593	0	0
ATN INTERNATIONAL INC	COM	00215F107	583	8,154	SH	SOLE	1	8,154	0	0
ATRICURE INC	COM	04963C209	743	24,272	SH	SOLE	1	24,272	0	0
ATRION CORPORATION	COM	049904105	696	939	SH	SOLE	1	939	0	0
AUBURN NATL BANCORPORATION	COM	050473107	49	1,558	SH	SOLE	1	1,558	0	0
AUDENTES THERAPEUTICS INC	COM	05070R104	522	24,489	SH	SOLE	1	24,489	0	0
AUTODESK INC	COM	052769106	12,859	99,984	SH	SOLE	1	99,984	0	0
AUTOHOME INC ADR	ADR	05278C107	70	896	SH	SOLE	1	896	0	0
AUTOMATIC DATA PROCESSING	COM	053015103	25,961	197,998	SH	SOLE	1	197,998	0	0
AUTONATION INC	COM	05329W102	4,187	117,270	SH	SOLE	1	117,270	0	0
AUTOZONE INC	COM	053332102	7,425	8,857	SH	SOLE	1	8,857	0	0
AVALARA INC	COM	05338G106	179	5,732	SH	SOLE	1	5,732	0	0
AVALONBAY COMMUNITIES INC	COM	053484101	9,699	55,723	SH	SOLE	1	55,723	0	0
AVANGRID INC	COM	05351W103	51	1,017	SH	SOLE	1	1,017	0	0
AVANOS MEDICAL INC	COM	05350V106	5,674	126,680	SH	SOLE	1	126,680	0	0
AVAYA HOLDINGS CORP	COM	05351X101	1,004	68,947	SH	SOLE	1	68,947	0	0
AVEO PHARMACEUTICALS INC	ADR	053588109	113	70,562	SH	SOLE	1	70,562	0	0
AVERY DENNISON CORP	COM	053611109	3,116	34,688	SH	SOLE	1	34,688	0	0
AVID BIOSERVICES INC	COM	05368M106	137	33,363	SH	SOLE	1	33,363	0	0
AVID TECHNOLOGY INC	COM	05367P100	86	18,090	SH	SOLE	1	18,090	0	0
AVIS BUDGET GROUP INC	COM	053774105	3,939	175,212	SH	SOLE	1	175,212	0	0
AVISTA CORP	COM	05379B107	2,162	50,903	SH	SOLE	1	50,903	0	0
AVNET INC	COM	053807103	8,184	226,709	SH	SOLE	1	226,709	0	0
AVON PRODUCTS INC	COM	054303102	79	52,079	SH	SOLE	1	52,079	0	0
AVROBIO INC	COM	05455M100	67	4,011	SH	SOLE	1	4,011	0	0
AVX CORP	COM	002444107	469	30,729	SH	SOLE	1	30,729	0	0
AXA EQUITABLE HOLDINGS INC	COM	054561105	60	3,610	SH	SOLE	1	3,610	0	0

AXALTA COATING SYSTEMS LTD	COM	G0750C108	228	9,729	SH	SOLE	1	9,729	0	0
AXCELIS TECHNOLOGIES INC	COM	054540208	444	24,917	SH	SOLE	1	24,917	0	0
AXIS CAPITAL HOLDINGS LTD	COM	G0692U109	254	4,915	SH	SOLE	1	4,915	0	0
AXOGEN INC	COM	05463X106	456	22,325	SH	SOLE	1	22,325	0	0
AXON ENTERPRISE INC	COM	05464C101	1,957	44,730	SH	SOLE	1	44,730	0	0
AXONICS MODULATION TECHNOLOG	COM	05465P101	69	4,563	SH	SOLE	1	4,563	0	0
AXOS FINANCIAL INC	COM	05465C100	1,145	45,482	SH	SOLE	1	45,482	0	0
AXT INC	COM	00246W103	109	25,047	SH	SOLE	1	25,047	0	0
AZZ INC	COM	002474104	812	20,113	SH	SOLE	1	20,113	0	0
B. RILEY FINANCIAL INC	COM	05580M108	191	13,469	SH	SOLE	1	13,469	0	0
B(PLUS)G FOODS INC	COM	05508R106	1,476	51,041	SH	SOLE	1	51,041	0	0
BABCOCK (PLUS) WILCOX ENTERPR	COM	05614L100	8	21,100	SH	SOLE	1	21,100	0	0
BADGER METER INC	COM	056525108	1,094	22,236	SH	SOLE	1	22,236	0	0
BAIDU INC SPON ADR	ADR	056752108	3,441	21,699	SH	SOLE	1	21,699	0	0
BAKER HUGHES A GE CO	COM	05722G100	4,216	196,102	SH	SOLE	1	196,102	0	0
BALCHEM CORP	COM	057665200	1,952	24,916	SH	SOLE	1	24,916	0	0
BALL CORP	COM	058498106	6,380	138,751	SH	SOLE	1	138,751	0	0
BANC OF CALIFORNIA INC	COM	05990K106	444	33,353	SH	SOLE	1	33,353	0	0
BANCFIRST CORP	COM	05945F103	592	11,869	SH	SOLE	1	11,869	0	0
BANCORP INC/THE	COM	05969A105	264	33,190	SH	SOLE	1	33,190	0	0
BANCORPSOUTH BANK	COM	05971J102	6,411	245,255	SH	SOLE	1	245,255	0	0
BANK OF AMERICA CORP	COM	060505104	79,405	3,222,621	SH	SOLE	1	3,222,621	0	0
BANK OF COMMERCE HOLDINGS	COM	06424J103	112	10,215	SH	SOLE	1	10,215	0	0
BANK OF HAWAII CORP	ADR	062540109	5,729	85,103	SH	SOLE	1	85,103	0	0
BANK OF MARIN BANCORP/CA	COM	063425102	369	8,956	SH	SOLE	1	8,956	0	0
BANK OF N.T. BUTTERFIELD(PLUS)SON	COM	G0772R208	1,127	35,952	SH	SOLE	1	35,952	0	0
BANK OF NEW YORK MELLON CORP	COM	064058100	24,219	514,539	SH	SOLE	1	514,539	0	0
BANK OZK	COM	06417N103	5,625	246,406	SH	SOLE	1	246,406	0	0
BANK7 CORP	COM	06652N107	30	2,259	SH	SOLE	1	2,259	0	0
BANKFINANCIAL CORP	COM	06643P104	130	8,681	SH	SOLE	1	8,681	0	0
BANKUNITED INC	COM	06652K103	56	1,885	SH	SOLE	1	1,885	0	0
BANKWELL FINANCIAL GROUP INC	COM	06654A103	117	4,067	SH	SOLE	1	4,067	0	0
BANNER CORPORATION	COM	06652V208	1,327	24,816	SH	SOLE	1	24,816	0	0
BAR HARBOR BANKSHARES	COM	066849100	225	10,041	SH	SOLE	1	10,041	0	0
BARNES (PLUS) NOBLE EDUCATION INC	COM	06777U101	119	29,594	SH	SOLE	1	29,594	0	0
BARNES (PLUS) NOBLE INC	COM	067774109	326	45,974	SH	SOLE	1	45,974	0	0
BARNES GROUP INC	COM	067806109	1,986	37,031	SH	SOLE	1	37,031	0	0
BARRETT BUSINESS SVCS INC	COM	068463108	268	4,677	SH	SOLE	1	4,677	0	0
BASIC ENERGY SERVICES INC	COM	06985P209	49	12,632	SH	SOLE	1	12,632	0	0

BASSETT FURNITURE INDS	COM	070203104	133	6,652	SH	SOLE	1	6,652	0	0
BAXTER INTERNATIONAL INC	COM	071813109	14,063	213,652	SH	SOLE	1	213,652	0	0
BAYCOM CORP	COM	07272M107	156	6,738	SH	SOLE	1	6,738	0	0
BB(PLUS)T CORP	COM	054937107	14,995	346,146	SH	SOLE	1	346,146	0	0
BBX CAPITAL CORP	COM	05491N104	248	43,212	SH	SOLE	1	43,212	0	0
BCB BANCORP INC	COM	055298103	93	8,920	SH	SOLE	1	8,920	0	0
BCE INC	COM	05534B950	1,653	41,843	SH	SOLE	1	41,843	0	0
BEACON ROOFING SUPPLY INC	COM	073685109	1,424	44,898	SH	SOLE	1	44,898	0	0
BEASLEY BROADCAST GRP INC A	COM	074014101	20	5,244	SH	SOLE	1	5,244	0	0
BEAZER HOMES USA INC	COM	07556Q881	196	20,697	SH	SOLE	1	20,697	0	0
BECTON DICKINSON AND CO	COM	075887109	20,045	88,961	SH	SOLE	1	88,961	0	0
BED BATH (PLUS) BEYOND INC	COM	075896100	4,160	367,452	SH	SOLE	1	367,452	0	0
BEL FUSE INC CL B	COM	077347300	139	7,538	SH	SOLE	1	7,538	0	0
BELDEN INC	COM	077454106	4,513	108,036	SH	SOLE	1	108,036	0	0
BELLICUM PHARMACEUTICALS INC	COM	079481107	77	26,515	SH	SOLE	1	26,515	0	0
BELMOND LTD CLASS A	COM	G1154H107	1,741	69,544	SH	SOLE	1	69,544	0	0
BEMIS COMPANY	COM	081437105	8,515	185,511	SH	SOLE	1	185,511	0	0
BENCHMARK ELECTRONICS INC	COM	08160H101	721	34,064	SH	SOLE	1	34,064	0	0
BENEFICIAL BANCORP INC	COM	08171T102	642	44,932	SH	SOLE	1	44,932	0	0
BENEFITFOCUS INC	COM	08180D106	675	14,760	SH	SOLE	1	14,760	0	0
BERKSHIRE HATHAWAY INC CL B	COM	084670702	156,402	766,003	SH	SOLE	1	766,003	0	0
BERKSHIRE HILLS BANCORP INC	COM	084680107	852	31,575	SH	SOLE	1	31,575	0	0
BERRY GLOBAL GROUP INC	COM	08579W103	132	2,787	SH	SOLE	1	2,787	0	0
BERRY PETROLEUM CORP	COM	08579X101	76	8,668	SH	SOLE	1	8,668	0	0
BEST BUY CO INC	COM	086516101	5,010	94,606	SH	SOLE	1	94,606	0	0
BG STAFFING INC	COM	05544A109	114	5,529	SH	SOLE	1	5,529	0	0
BGC PARTNERS INC CL A	COM	05541T101	25	4,747	SH	SOLE	1	4,747	0	0
BIG 5 SPORTING GOODS CORP	COM	08915P101	34	13,217	SH	SOLE	1	13,217	0	0
BIG LOTS INC	COM	089302103	3,122	107,941	SH	SOLE	1	107,941	0	0
BIGLARI HOLDINGS INC A	COM	08986R408	36	62	SH	SOLE	1	62	0	0
BIGLARI HOLDINGS INC B	COM	08986R309	71	621	SH	SOLE	1	621	0	0
BIO RAD LABORATORIES A	COM	090572207	9,536	41,064	SH	SOLE	1	41,064	0	0
BIO TECHNE CORP	COM	09073M104	11,171	77,192	SH	SOLE	1	77,192	0	0
BIOCRYST PHARMACEUTICALS INC	COM	09058V103	580	71,836	SH	SOLE	1	71,836	0	0
BIOGEN INC	COM	09062X103	28,573	94,951	SH	SOLE	1	94,951	0	0
BIOHAVEN PHARMACEUTICAL HOLD	COM	G11196105	692	18,706	SH	SOLE	1	18,706	0	0
BIOMARIN PHARMACEUTICAL INC	COM	09061G101	1,543	18,126	SH	SOLE	1	18,126	0	0
BIOSCRIP INC	COM	09069N108	297	83,311	SH	SOLE	1	83,311	0	0

BIOSPECIFICS TECHNOLOGIES	COM	090931106	229	3,787 SH	SOLE	1	3,787	0	0
BIOTELEMETRY INC	COM	090672106	1,530	25,624 SH	SOLE	1	25,624	0	0
BIOTIME INC	COM	09066L105	54	58,955 SH	SOLE	1	58,955	0	0
BJ S RESTAURANTS INC	COM	09180C106	815	16,116 SH	SOLE	1	16,116	0	0
BJ S WHOLESALE CLUB HOLDINGS	COM	05550J101	1,062	47,918 SH	SOLE	1	47,918	0	0
BLACK HILLS CORP	COM	092113109	9,061	144,326 SH	SOLE	1	144,326	0	0
BLACK KNIGHT INC	COM	09215C105	155	3,434 SH	SOLE	1	3,434	0	0
BLACKBAUD INC	COM	09227Q100	8,170	129,895 SH	SOLE	1	129,895	0	0
BLACKLINE INC	COM	09239B109	991	24,204 SH	SOLE	1	24,204	0	0
BLACKROCK INC	COM	09247X101	20,564	52,349 SH	SOLE	1	52,349	0	0
BLACKSTONE MORTGAGE TRU CL A	COM	09257W100	2,346	73,635 SH	SOLE	1	73,635	0	0
BLOOMIN BRANDS INC	COM	094235108	977	54,624 SH	SOLE	1	54,624	0	0
BLUCORA INC	COM	095229100	985	36,985 SH	SOLE	1	36,985	0	0
BLUE BIRD CORP	COM	095306106	164	9,005 SH	SOLE	1	9,005	0	0
BLUE HILLS BANCORP INC	COM	095573101	323	15,142 SH	SOLE	1	15,142	0	0
BLUEBIRD BIO INC	COM	09609G100	118	1,191 SH	SOLE	1	1,191	0	0
BLUEGREEN VACATIONS CORP	COM	09629F108	63	4,908 SH	SOLE	1	4,908	0	0
BLUELINX HOLDINGS INC	COM	09624H208	145	5,865 SH	SOLE	1	5,865	0	0
BLUEPRINT MEDICINES CORP	COM	09627Y109	1,468	27,222 SH	SOLE	1	27,222	0	0
BLUEROCK RESIDENTIAL GROWTH	COM	09627J102	142	15,735 SH	SOLE	1	15,735	0	0
BMC STOCK HOLDINGS INC	COM	05591B109	687	44,385 SH	SOLE	1	44,385	0	0
BOEING CO/THE	COM	097023105	55,788	172,986 SH	SOLE	1	172,986	0	0
BOINGO WIRELESS INC	COM	09739C102	556	27,014 SH	SOLE	1	27,014	0	0
BOISE CASCADE CO	COM	09739D100	720	30,182 SH	SOLE	1	30,182	0	0
BOJANGLES INC	COM	097488100	184	11,464 SH	SOLE	1	11,464	0	0
BOK FINANCIAL CORPORATION	COM	05561Q201	366	4,989 SH	SOLE	1	4,989	0	0
BONANZA CREEK ENERGY INC	COM	097793400	302	14,611 SH	SOLE	1	14,611	0	0
BOOKING HOLDINGS INC	COM	09857L108	38,791	22,521 SH	SOLE	1	22,521	0	0
BOOT BARN HOLDINGS INC	COM	099406100	314	18,434 SH	SOLE	1	18,434	0	0
BOOZ ALLEN HAMILTON HOLDINGS	COM	099502106	150	3,328 SH	SOLE	1	3,328	0	0
BORGWARNER INC	COM	099724106	3,651	105,084 SH	SOLE	1	105,084	0	0
BOSTON BEER COMPANY INC A	COM	100557107	5,495	22,814 SH	SOLE	1	22,814	0	0
BOSTON OMAHA CORP CL A	COM	101044105	78	3,324 SH	SOLE	1	3,324	0	0
BOSTON PRIVATE FINL HOLDING	COM	101119105	685	64,800 SH	SOLE	1	64,800	0	0
BOSTON PROPERTIES INC	COM	101121101	6,310	56,064 SH	SOLE	1	56,064	0	0
BOSTON SCIENTIFIC CORP	COM	101137107	16,018	453,252 SH	SOLE	1	453,252	0	0
BOTTOMLINE TECHNOLOGIES (DE)	COM	101388106	1,542	32,127 SH	SOLE	1	32,127	0	0
BOX INC CLASS A	COM	10316T104	1,372	81,266 SH	SOLE	1	81,266	0	0

BOYD GAMING CORP	COM	103304101	4,518	217,436	SH	SOLE	1	217,436	0	0
BRADY CORPORATION CL A	COM	104674106	2,779	63,949	SH	SOLE	1	63,949	0	0
BRAEMAR HOTELS (PLUS) RESORTS INC	COM	10482B101	172	19,263	SH	SOLE	1	19,263	0	0
BRANDYWINE REALTY TRUST	COM	105368203	41	3,184	SH	SOLE	1	3,184	0	0
BRIDGE BANCORP INC	COM	108035106	278	10,925	SH	SOLE	1	10,925	0	0
BRIDGEWATER BANCSHARES INC	COM	108621103	161	15,261	SH	SOLE	1	15,261	0	0
BRIGGS (PLUS) STRATTON	COM	109043109	423	32,318	SH	SOLE	1	32,318	0	0
BRIGHT HORIZONS FAMILY SOLUT	COM	109194100	148	1,329	SH	SOLE	1	1,329	0	0
BRIGHTCOVE	COM	10921T101	167	23,766	SH	SOLE	1	23,766	0	0
BRIGHTHOUSE FINANCIAL INC	COM	10922N103	1,290	42,334	SH	SOLE	1	42,334	0	0
BRIGHTSPHERE INVESTMENT GROU	COM	G1644T109	566	52,987	SH	SOLE	1	52,987	0	0
BRIGHTVIEW HOLDINGS INC	COM	10948C107	166	16,278	SH	SOLE	1	16,278	0	0
BRINK S CO/THE	COM	109696104	8,751	135,360	SH	SOLE	1	135,360	0	0
BRINKER INTERNATIONAL INC	COM	109641100	4,548	103,413	SH	SOLE	1	103,413	0	0
BRISTOL MYERS SQUIBB CO	COM	110122108	29,058	559,019	SH	SOLE	1	559,019	0	0
BRISTOW GROUP INC	COM	110394103	63	25,876	SH	SOLE	1	25,876	0	0
BRIXMOR PROPERTY GROUP INC	COM	11120U105	80	5,469	SH	SOLE	1	5,469	0	0
BROADCOM INC	COM	11135F101	45,424	178,638	SH	SOLE	1	178,638	0	0
BROADRIDGE FINANCIAL SOLUTION	ADR	11133T103	3,950	41,043	SH	SOLE	1	41,043	0	0
BROOKDALE SENIOR LIVING INC	COM	112463104	825	123,110	SH	SOLE	1	123,110	0	0
BROOKFIELD PROPERTY REIT I A	COM	11282X103	37	2,289	SH	SOLE	1	2,289	0	0
BROOKLINE BANCORP INC	COM	11373M107	850	61,507	SH	SOLE	1	61,507	0	0
BROOKS AUTOMATION INC	COM	114340102	1,419	54,218	SH	SOLE	1	54,218	0	0
BROWN (PLUS) BROWN INC	COM	115236101	13,177	478,133	SH	SOLE	1	478,133	0	0
BROWN FORMAN CORP CLASS A	COM	115637100	59	1,241	SH	SOLE	1	1,241	0	0
BROWN FORMAN CORP CLASS B	COM	115637209	2,917	61,304	SH	SOLE	1	61,304	0	0
BRT APARTMENTS CORP	COM	055645303	68	5,942	SH	SOLE	1	5,942	0	0
BRUKER CORP	COM	116794108	62	2,066	SH	SOLE	1	2,066	0	0
BRUNSWICK CORP	COM	117043109	8,215	176,852	SH	SOLE	1	176,852	0	0
BRYN MAWR BANK CORP	COM	117665109	452	13,129	SH	SOLE	1	13,129	0	0
BSB BANCORP INC/MA	COM	05573H108	156	5,544	SH	SOLE	1	5,544	0	0
BUCKLE INC/THE	COM	118440106	432	22,313	SH	SOLE	1	22,313	0	0
BUILDERS FIRSTSOURCE INC	COM	12008R107	812	74,418	SH	SOLE	1	74,418	0	0
BUNGE LTD	COM	G16962105	136	2,553	SH	SOLE	1	2,553	0	0
BURLINGTON STORES INC	COM	122017106	262	1,613	SH	SOLE	1	1,613	0	0
BUSINESS FIRST BANCSHARES	COM	12326C105	170	7,019	SH	SOLE	1	7,019	0	0

BWX TECHNOLOGIES INC	COM	05605H100	92	2,406 SH	SOLE	1	2,406	0	0
BYLINE BANCORP INC	COM	124411109	179	10,731 SH	SOLE	1	10,731	0	0
C (PLUS) F FINANCIAL CORP	COM	12466Q104	116	2,181 SH	SOLE	1	2,181	0	0
C.H. ROBINSON WORLDWIDE INC	COM	12541W209	14,941	177,684 SH	SOLE	1	177,684	0	0
C(PLUS)J ENERGY SERVICES INC	COM	12674R100	664	49,181 SH	SOLE	1	49,181	0	0
CABLE ONE INC	COM	12685J105	8,306	10,128 SH	SOLE	1	10,128	0	0
CABOT CORP	COM	127055101	5,254	122,367 SH	SOLE	1	122,367	0	0
CABOT MICROELECTRONICS CORP	COM	12709P103	2,105	22,080 SH	SOLE	1	22,080	0	0
CABOT OIL (PLUS) GAS CORP	COM	127097103	4,296	192,208 SH	SOLE	1	192,208	0	0
CACI INTERNATIONAL INC CL A	COM	127190304	9,560	66,375 SH	SOLE	1	66,375	0	0
CACTUS INC A	COM	127203107	686	25,017 SH	SOLE	1	25,017	0	0
CADENCE BANCORP	COM	12739A100	799	47,629 SH	SOLE	1	47,629	0	0
CADENCE DESIGN SYS INC	COM	127387108	5,107	117,455 SH	SOLE	1	117,455	0	0
CADIZ INC	COM	127537207	153	14,886 SH	SOLE	1	14,886	0	0
CAESARS ENTERTAINMENT CORP	COM	127686103	71	10,395 SH	SOLE	1	10,395	0	0
CAESARSTONE LTD	COM	M20598104	205	15,093 SH	SOLE	1	15,093	0	0
CAI INTERNATIONAL INC	COM	12477X106	263	11,334 SH	SOLE	1	11,334	0	0
CAL MAINE FOODS INC	COM	128030202	1,019	24,100 SH	SOLE	1	24,100	0	0
CALAMP CORP	COM	128126109	343	26,369 SH	SOLE	1	26,369	0	0
CALAVO GROWERS INC	COM	128246105	896	12,282 SH	SOLE	1	12,282	0	0
CALERES INC	COM	129500104	913	32,804 SH	SOLE	1	32,804	0	0
CALIFORNIA RESOURCES CORP	COM	13057Q206	507	29,755 SH	SOLE	1	29,755	0	0
CALIFORNIA WATER SERVICE GRP	COM	130788102	1,777	37,285 SH	SOLE	1	37,285	0	0
CALITHERA BIOSCIENCES INC	COM	13089P101	82	20,452 SH	SOLE	1	20,452	0	0
CALIX INC	COM	13100M509	287	29,447 SH	SOLE	1	29,447	0	0
CALLAWAY GOLF COMPANY	COM	131193104	1,107	72,339 SH	SOLE	1	72,339	0	0
CALLON PETROLEUM CO	COM	13123X102	3,960	610,125 SH	SOLE	1	610,125	0	0
CALYXT INC	COM	13173L107	41	3,915 SH	SOLE	1	3,915	0	0
CAMBREX CORP	COM	132011107	982	26,014 SH	SOLE	1	26,014	0	0
CAMBRIDGE BANCORP	COM	132152109	202	2,431 SH	SOLE	1	2,431	0	0
CAMDEN NATIONAL CORP	COM	133034108	365	10,135 SH	SOLE	1	10,135	0	0
CAMDEN PROPERTY TRUST	COM	133131102	16,708	189,756 SH	SOLE	1	189,756	0	0
CAMPBELL SOUP CO	COM	134429109	4,501	136,429 SH	SOLE	1	136,429	0	0
CAMPING WORLD HOLDINGS INC A	COM	13462K109	245	21,343 SH	SOLE	1	21,343	0	0
CANNAE HOLDINGS INC	COM	13765N107	777	45,400 SH	SOLE	1	45,400	0	0
CANTEL MEDICAL CORP	COM	138098108	5,525	74,216 SH	SOLE	1	74,216	0	0
CAPITAL BANCORP INC/MD	COM	139737100	48	4,190 SH	SOLE	1	4,190	0	0
CAPITAL CITY BANK GROUP INC	COM	139674105	175	7,522 SH	SOLE	1	7,522	0	0

CAPITAL ONE FINANCIAL CORP	COM	14040H105	13,797	182,529	SH	SOLE	1	182,529	0	0
CAPITAL SENIOR LIVING CORP	COM	140475104	110	16,199	SH	SOLE	1	16,199	0	0
CAPITOL FEDERAL FINANCIAL IN	COM	14057J101	1,084	84,850	SH	SOLE	1	84,850	0	0
CAPSTAR FINANCIAL HOLDINGS I	COM	14070T102	77	5,195	SH	SOLE	1	5,195	0	0
CAPSTEAD MORTGAGE CORP	COM	14067E506	469	70,305	SH	SOLE	1	70,305	0	0
CARA THERAPEUTICS INC	COM	140755109	279	21,446	SH	SOLE	1	21,446	0	0
CARBO CERAMICS INC	COM	140781105	56	16,080	SH	SOLE	1	16,080	0	0
CARBON BLACK INC	COM	14081R103	340	25,321	SH	SOLE	1	25,321	0	0
CARBONITE INC	COM	141337105	537	21,242	SH	SOLE	1	21,242	0	0
CARDINAL HEALTH INC	COM	14149Y108	349,293	7,831,671	SH	SOLE	1	7,831,671	0	0
CARDIOVASCULAR SYSTEMS INC	COM	141619106	635	22,304	SH	SOLE	1	22,304	0	0
CARDLYTICS INC	COM	14161W105	42	3,914	SH	SOLE	1	3,914	0	0
CARDTRONICS PLC A	COM	G1991C105	794	30,523	SH	SOLE	1	30,523	0	0
CARE.COM INC	COM	141633107	250	12,960	SH	SOLE	1	12,960	0	0
CAREDX INC	COM	14167L103	581	23,112	SH	SOLE	1	23,112	0	0
CAREER EDUCATION CORP	COM	141665109	605	52,965	SH	SOLE	1	52,965	0	0
CARETRUST REIT INC	COM	14174T107	1,194	64,699	SH	SOLE	1	64,699	0	0
CARGURUS INC	COM	141788109	1,111	32,944	SH	SOLE	1	32,944	0	0
CARLISLE COS INC	COM	142339100	12,199	121,355	SH	SOLE	1	121,355	0	0
CARMAX INC	COM	143130102	4,228	67,392	SH	SOLE	1	67,392	0	0
CARNIVAL CORP	COM	143658300	6,684	135,571	SH	SOLE	1	135,571	0	0
CAROLINA FINANCIAL CORP	COM	143873107	409	13,836	SH	SOLE	1	13,836	0	0
CARPENTER TECHNOLOGY	COM	144285103	4,502	126,413	SH	SOLE	1	126,413	0	0
CARRIAGE SERVICES INC	COM	143905107	180	11,591	SH	SOLE	1	11,591	0	0
CARRIZO OIL (PLUS) GAS INC	COM	144577103	763	67,598	SH	SOLE	1	67,598	0	0
CARROLS RESTAURANT GROUP INC	COM	14574X104	225	22,872	SH	SOLE	1	22,872	0	0
CARS.COM INC	COM	14575E105	3,719	172,984	SH	SOLE	1	172,984	0	0
CARTER S INC	COM	146229109	7,649	93,715	SH	SOLE	1	93,715	0	0
CARVANA CO	COM	146869102	697	21,320	SH	SOLE	1	21,320	0	0
CASA SYSTEMS INC	COM	14713L102	224	17,088	SH	SOLE	1	17,088	0	0
CASELLA WASTE SYSTEMS INC A	COM	147448104	748	26,247	SH	SOLE	1	26,247	0	0
CASEY S GENERAL STORES INC	COM	147528103	9,561	74,613	SH	SOLE	1	74,613	0	0
CASI PHARMACEUTICALS INC	COM	14757U109	132	32,854	SH	SOLE	1	32,854	0	0
CASS INFORMATION SYSTEMS INC	COM	14808P109	500	9,443	SH	SOLE	1	9,443	0	0
CASTLE BRANDS INC	COM	148435100	52	60,709	SH	SOLE	1	60,709	0	0
CASTLIGHT HEALTH INC B	COM	14862Q100	112	51,706	SH	SOLE	1	51,706	0	0
CATALENT INC	COM	148806102	9,244	296,465	SH	SOLE	1	296,465	0	0
CATALYST BIOSCIENCES INC	COM	14888D208	62	7,823	SH	SOLE	1	7,823	0	0

CATALYST PHARMACEUTICALS INC	COM	14888U101	122	63,503	SH	SOLE	1	63,503	0	0
CATCHMARK TIMBER TRUST INC A	COM	14912Y202	230	32,340	SH	SOLE	1	32,340	0	0
CATERPILLAR INC	COM	149123101	29,636	233,227	SH	SOLE	1	233,227	0	0
CATHAY GENERAL BANCORP	COM	149150104	6,925	206,535	SH	SOLE	1	206,535	0	0
CATO CORP CLASS A	COM	149205106	247	17,338	SH	SOLE	1	17,338	0	0
CAVCO INDUSTRIES INC	COM	149568107	866	6,640	SH	SOLE	1	6,640	0	0
CB FINANCIAL SERVICES INC	COM	12479G101	76	3,076	SH	SOLE	1	3,076	0	0
CBIZ INC	COM	124805102	669	33,975	SH	SOLE	1	33,975	0	0
CBL (PLUS) ASSOCIATES PROPERTIES	COM	124830100	253	131,843	SH	SOLE	1	131,843	0	0
CBOE GLOBAL MARKETS INC	COM	12503M108	3,855	39,405	SH	SOLE	1	39,405	0	0
CBRE GROUP INC A	COM	12504L109	5,659	141,330	SH	SOLE	1	141,330	0	0
CBS CORP CLASS B NON VOTING	COM	124857202	6,298	144,047	SH	SOLE	1	144,047	0	0
CBTX INC	COM	12481V104	361	12,271	SH	SOLE	1	12,271	0	0
CDK GLOBAL INC	COM	12508E101	12,606	263,275	SH	SOLE	1	263,275	0	0
CDW CORP/DE	COM	12514G108	287	3,543	SH	SOLE	1	3,543	0	0
CECO ENVIRONMENTAL CORP	COM	125141101	135	19,971	SH	SOLE	1	19,971	0	0
CEDAR REALTY TRUST INC	COM	150602209	216	68,634	SH	SOLE	1	68,634	0	0
CELANESE CORP	COM	150870103	4,742	52,704	SH	SOLE	1	52,704	0	0
CELCUITY INC	COM	15102K100	92	3,827	SH	SOLE	1	3,827	0	0
CELGENE CORP	COM	151020104	20,447	319,041	SH	SOLE	1	319,041	0	0
CELLULAR BIOMEDICINE GROUP I	COM	15117P102	135	7,639	SH	SOLE	1	7,639	0	0
CELSIUS HOLDINGS INC	COM	15118V207	52	15,039	SH	SOLE	1	15,039	0	0
CENTENE CORP	COM	15135B101	11,332	98,285	SH	SOLE	1	98,285	0	0
CENTENNIAL RESOURCE DEVELO A	COM	15136A102	37	3,318	SH	SOLE	1	3,318	0	0
CENTERPOINT ENERGY INC	COM	15189T107	5,903	209,097	SH	SOLE	1	209,097	0	0
CENTERSTATE BANK CORP	COM	15201P109	1,270	60,355	SH	SOLE	1	60,355	0	0
CENTRAL EUROPEAN MEDIA ENT A	COM	G20045202	160	57,463	SH	SOLE	1	57,463	0	0
CENTRAL GARDEN (PLUS) PET CO	COM	153527106	277	8,054	SH	SOLE	1	8,054	0	0
CENTRAL GARDEN AND PET CO A	COM	153527205	984	31,479	SH	SOLE	1	31,479	0	0
CENTRAL PACIFIC FINANCIAL CO	COM	154760409	538	22,087	SH	SOLE	1	22,087	0	0
CENTRAL VALLEY COMM BANCORP	COM	155685100	143	7,588	SH	SOLE	1	7,588	0	0
CENTURY ALUMINUM COMPANY	COM	156431108	283	38,665	SH	SOLE	1	38,665	0	0
CENTURY BANCORP INC CL A	COM	156432106	128	1,889	SH	SOLE	1	1,889	0	0
CENTURY CASINOS INC	COM	156492100	131	17,793	SH	SOLE	1	17,793	0	0
CENTURY COMMUNITIES INC	COM	156504300	297	17,228	SH	SOLE	1	17,228	0	0
CENTURYLINK INC	COM	156700106	6,308	416,347	SH	SOLE	1	416,347	0	0

CERIDIAN HCM HOLDING INC	COM	15677J108	29	849 SH	SOLE	1	849	0	0
CERNER CORP	COM	156782104	8,635	164,663 SH	SOLE	1	164,663	0	0
CERUS CORP	COM	157085101	443	87,379 SH	SOLE	1	87,379	0	0
CEVA INC	COM	157210105	378	17,106 SH	SOLE	1	17,106	0	0
CF INDUSTRIES HOLDINGS INC	COM	125269100	3,957	90,951 SH	SOLE	1	90,951	0	0
CHANNELADVISOR CORP	COM	159179100	194	17,086 SH	SOLE	1	17,086	0	0
CHARAH SOLUTIONS INC	COM	15957P105	40	4,731 SH	SOLE	1	4,731	0	0
CHARLES RIVER LABORATORIES	COM	159864107	11,117	98,224 SH	SOLE	1	98,224	0	0
CHART INDUSTRIES INC	COM	16115Q308	1,558	23,960 SH	SOLE	1	23,960	0	0
CHARTER COMMUNICATIONS INC A	COM	16119P108	20,701	72,643 SH	SOLE	1	72,643	0	0
CHASE CORP	COM	16150R104	477	4,771 SH	SOLE	1	4,771	0	0
CHATHAM LODGING TRUST	COM	16208T102	631	35,687 SH	SOLE	1	35,687	0	0
CHECK POINT SOFTWARE TECH	COM	M22465104	2,664	25,956 SH	SOLE	1	25,956	0	0
CHEESECAKE FACTORY INC/THE	COM	163072101	4,878	112,103 SH	SOLE	1	112,103	0	0
CHEFS WAREHOUSE INC/THE	COM	163086101	545	17,032 SH	SOLE	1	17,032	0	0
CHEGG INC	COM	163092109	2,029	71,401 SH	SOLE	1	71,401	0	0
CHEMED CORP	COM	16359R103	9,269	32,722 SH	SOLE	1	32,722	0	0
CHEMICAL FINANCIAL CORP	COM	163731102	7,004	191,312 SH	SOLE	1	191,312	0	0
CHEMOCENTRYX INC	COM	16383L106	161	14,790 SH	SOLE	1	14,790	0	0
CHEMOURS CO/THE	COM	163851108	9,870	349,761 SH	SOLE	1	349,761	0	0
CHEMUNG FINANCIAL CORP	COM	164024101	89	2,156 SH	SOLE	1	2,156	0	0
CHENIERE ENERGY INC	COM	16411R208	552	9,322 SH	SOLE	1	9,322	0	0
CHERRY HILL MORTGAGE INVESTM	COM	164651101	183	10,427 SH	SOLE	1	10,427	0	0
CHESAPEAKE ENERGY CORP	COM	165167107	3,910	1,862,142 SH	SOLE	1	1,862,142	0	0
CHESAPEAKE LODGING TRUST	COM	165240102	1,124	46,176 SH	SOLE	1	46,176	0	0
CHESAPEAKE UTILITIES CORP	COM	165303108	847	10,417 SH	SOLE	1	10,417	0	0
CHEVRON CORP	COM	166764100	452,478	4,159,187 SH	SOLE	1	4,159,187	0	0
CHICO S FAS INC	COM	168615102	543	96,694 SH	SOLE	1	96,694	0	0
CHILDREN S PLACE INC/THE	COM	168905107	1,116	12,392 SH	SOLE	1	12,392	0	0
CHIMERA INVESTMENT CORP	COM	16934Q208	60	3,377 SH	SOLE	1	3,377	0	0
CHIMERIX INC	COM	16934W106	75	29,014 SH	SOLE	1	29,014	0	0
CHIPOTLE MEXICAN GRILL INC	COM	169656105	4,294	9,944 SH	SOLE	1	9,944	0	0
CHOICE HOTELS INTL INC	COM	169905106	60	838 SH	SOLE	1	838	0	0
CHROMADEX CORP	COM	171077407	87	25,337 SH	SOLE	1	25,337	0	0
CHUBB LTD	COM	H1467J104	27,323	211,510 SH	SOLE	1	211,510	0	0
CHURCH (PLUS) DWIGHT CO INC	COM	171340102	6,065	92,231 SH	SOLE	1	92,231	0	0
CHURCHILL DOWNS INC	COM	171484108	7,778	31,883 SH	SOLE	1	31,883	0	0

CHUY S HOLDINGS INC	COM	171604101	231	13,018	SH	SOLE	1	13,018	0	0
CIA DE MINAS BUENAVENTUR ADR	ADR	204448104	86	5,291	SH	SOLE	1	5,291	0	0
CIENA CORP	COM	171779309	12,969	382,460	SH	SOLE	1	382,460	0	0
CIGNA CORP	COM	125523100	25,627	134,936	SH	SOLE	1	134,936	0	0
CIMAREX ENERGY CO	COM	171798101	3,407	55,270	SH	SOLE	1	55,270	0	0
CIMPRESS NV	COM	N20146101	1,500	14,504	SH	SOLE	1	14,504	0	0
CINCINNATI BELL INC	COM	171871502	281	36,105	SH	SOLE	1	36,105	0	0
CINCINNATI FINANCIAL CORP	COM	172062101	4,667	60,276	SH	SOLE	1	60,276	0	0
CINEMARK HOLDINGS INC	COM	17243V102	8,486	237,052	SH	SOLE	1	237,052	0	0
CINTAS CORP	COM	172908105	6,710	39,940	SH	SOLE	1	39,940	0	0
CIRCOR INTERNATIONAL INC	COM	17273K109	278	13,040	SH	SOLE	1	13,040	0	0
CIRRUS LOGIC INC	COM	172755100	5,324	160,471	SH	SOLE	1	160,471	0	0
CISCO SYSTEMS INC	COM	17275R102	488,865	11,282,362	SH	SOLE	1	11,282,362	0	0
CISION LTD	COM	G1992S109	516	44,111	SH	SOLE	1	44,111	0	0
CIT GROUP INC	COM	125581801	296	7,744	SH	SOLE	1	7,744	0	0
CITI TRENDS INC	COM	17306X102	161	7,897	SH	SOLE	1	7,897	0	0
CITIGROUP INC	COM	172967424	43,047	826,869	SH	SOLE	1	826,869	0	0
CITIZENS (PLUS) NORTHERN CORP	COM	172922106	206	7,806	SH	SOLE	1	7,806	0	0
CITIZENS FINANCIAL GROUP	COM	174610105	6,654	223,830	SH	SOLE	1	223,830	0	0
CITIZENS INC	COM	174740100	245	32,579	SH	SOLE	1	32,579	0	0
CITRIX SYSTEMS INC	COM	177376100	5,642	55,065	SH	SOLE	1	55,065	0	0
CITY HOLDING CO	COM	177835105	838	12,396	SH	SOLE	1	12,396	0	0
CITY OFFICE REIT INC	COM	178587101	262	25,571	SH	SOLE	1	25,571	0	0
CIVISTA BANCSHARES INC	COM	178867107	158	9,064	SH	SOLE	1	9,064	0	0
CIVITAS SOLUTIONS INC	COM	17887R102	185	10,577	SH	SOLE	1	10,577	0	0
CLARUS CORP	COM	18270P109	139	13,765	SH	SOLE	1	13,765	0	0
CLEAN ENERGY FUELS CORP	COM	184499101	155	90,339	SH	SOLE	1	90,339	0	0
CLEAN HARBORS INC	COM	184496107	5,127	103,890	SH	SOLE	1	103,890	0	0
CLEAR CHANNEL OUTDOOR CL A	COM	18451C109	127	24,404	SH	SOLE	1	24,404	0	0
CLEARFIELD INC	COM	18482P103	73	7,396	SH	SOLE	1	7,396	0	0
CLEARSIDE BIOMEDICAL INC	COM	185063104	20	18,407	SH	SOLE	1	18,407	0	0
CLEARWATER PAPER CORP	COM	18538R103	307	12,577	SH	SOLE	1	12,577	0	0
CLEARWAY ENERGY INC A	COM	18539C105	388	22,935	SH	SOLE	1	22,935	0	0
CLEARWAY ENERGY INC C	COM	18539C204	836	48,443	SH	SOLE	1	48,443	0	0
CLEVELAND CLIFFS INC	COM	185899101	1,508	196,084	SH	SOLE	1	196,084	0	0
CLIPPER REALTY INC	COM	18885T306	128	9,787	SH	SOLE	1	9,787	0	0
CLOROX COMPANY	COM	189054109	21,002	136,256	SH	SOLE	1	136,256	0	0
CLOUD PEAK ENERGY INC	COM	18911Q102	21	57,687	SH	SOLE	1	57,687	0	0
CLOUDERA INC	COM	18914U100	771	69,723	SH	SOLE	1	69,723	0	0
CLOVIS ONCOLOGY INC	COM	189464100	563	31,346	SH	SOLE	1	31,346	0	0

CME GROUP INC	COM	12572Q105	28,788	153,030	SH	SOLE	1	153,030	0	0
CMS ENERGY CORP	COM	125896100	6,917	139,313	SH	SOLE	1	139,313	0	0
CNA FINANCIAL CORP	COM	126117100	2,069	46,860	SH	SOLE	1	46,860	0	0
CNB FINANCIAL CORP/PA	COM	126128107	219	9,564	SH	SOLE	1	9,564	0	0
CNO FINANCIAL GROUP INC	COM	12621E103	6,560	440,835	SH	SOLE	1	440,835	0	0
CNX RESOURCES CORP	COM	12653C108	4,739	414,959	SH	SOLE	1	414,959	0	0
COASTAL FINANCIAL CORP/WA	COM	19046P209	64	4,196	SH	SOLE	1	4,196	0	0
COCA COLA CO/THE	COM	191216100	458,075	9,674,240	SH	SOLE	1	9,674,240	0	0
COCA COLA CONSOLIDATED INC	COM	191098102	646	3,642	SH	SOLE	1	3,642	0	0
COCA COLA EUROPEAN PARTNERS	COM	G25839104	1,072	23,372	SH	SOLE	1	23,372	0	0
CODEXIS INC	COM	192005106	560	33,524	SH	SOLE	1	33,524	0	0
CODORUS VALLEY BANCORP INC	COM	192025104	127	5,994	SH	SOLE	1	5,994	0	0
COEUR MINING INC	COM	192108504	546	122,143	SH	SOLE	1	122,143	0	0
COGENT COMMUNICATIONS HOLDIN	COM	19239V302	1,469	32,502	SH	SOLE	1	32,502	0	0
COGNEX CORP	COM	192422103	13,606	351,852	SH	SOLE	1	351,852	0	0
COGNIZANT TECH SOLUTIONS A	COM	192446102	16,647	262,235	SH	SOLE	1	262,235	0	0
COHBAR INC	COM	19249J109	49	15,611	SH	SOLE	1	15,611	0	0
COHEN (PLUS) STEERS INC	COM	19247A100	504	14,691	SH	SOLE	1	14,691	0	0
COHERENT INC	COM	192479103	5,265	49,806	SH	SOLE	1	49,806	0	0
COHERUS BIOSCIENCES INC	COM	19249H103	309	34,175	SH	SOLE	1	34,175	0	0
COHU INC	COM	192576106	496	30,885	SH	SOLE	1	30,885	0	0
COLFAX CORP	COM	194014106	32	1,543	SH	SOLE	1	1,543	0	0
COLGATE PALMOLIVE CO	COM	194162103	21,997	369,580	SH	SOLE	1	369,580	0	0
COLLEGIUM PHARMACEUTICAL INC	COM	19459J104	332	19,320	SH	SOLE	1	19,320	0	0
COLONY CAPITAL INC	COM	19626G108	42	8,988	SH	SOLE	1	8,988	0	0
COLONY CREDIT REAL ESTATE IN	COM	19625T101	873	55,301	SH	SOLE	1	55,301	0	0
COLUMBIA BANKING SYSTEM INC	COM	197236102	2,061	56,779	SH	SOLE	1	56,779	0	0
COLUMBIA FINANCIAL INC	COM	197641103	500	32,708	SH	SOLE	1	32,708	0	0
COLUMBIA PROPERTY TRUST INC	COM	198287203	42	2,145	SH	SOLE	1	2,145	0	0
COLUMBIA SPORTSWEAR CO	COM	198516106	49	578	SH	SOLE	1	578	0	0
COLUMBUS MCKINNON CORP/NY	COM	199333105	443	14,703	SH	SOLE	1	14,703	0	0
COMCAST CORP CLASS A	COM	20030N101	81,005	2,379,006	SH	SOLE	1	2,379,006	0	0
COMERICA INC	COM	200340107	4,842	70,493	SH	SOLE	1	70,493	0	0
COMFORT SYSTEMS USA INC	COM	199908104	1,245	28,503	SH	SOLE	1	28,503	0	0
COMMERCE BANCSHARES INC	COM	200525103	11,406	202,348	SH	SOLE	1	202,348	0	0
COMMERCIAL METALS CO	COM	201723103	5,035	314,320	SH	SOLE	1	314,320	0	0

COMMERCIAL VEHICLE GROUP INC	COM	202608105	113	19,910	SH	SOLE	1	19,910	0	0
COMMSCOPE HOLDING CO INC	COM	20337X109	56	3,442	SH	SOLE	1	3,442	0	0
COMMUNITY BANK SYSTEM INC	COM	203607106	2,280	39,100	SH	SOLE	1	39,100	0	0
COMMUNITY BANKERS TRUST CORP	COM	203612106	102	14,139	SH	SOLE	1	14,139	0	0
COMMUNITY FINANCIAL CORP/THE	COM	20368X101	93	3,190	SH	SOLE	1	3,190	0	0
COMMUNITY HEALTH SYSTEMS INC	COM	203668108	198	70,097	SH	SOLE	1	70,097	0	0
COMMUNITY HEALTHCARE TRUST I	COM	20369C106	391	13,547	SH	SOLE	1	13,547	0	0
COMMUNITY TRUST BANCORP INC	COM	204149108	404	10,206	SH	SOLE	1	10,206	0	0
COMMVAULT SYSTEMS INC	COM	204166102	6,198	104,893	SH	SOLE	1	104,893	0	0
COMPASS MINERALS INTERNATION	COM	20451N101	3,787	90,831	SH	SOLE	1	90,831	0	0
COMPUTER PROGRAMS (PLUS) SYSTEMS	COM	205306103	226	8,994	SH	SOLE	1	8,994	0	0
COMPX INTERNATIONAL INC	COM	20563P101	15	1,086	SH	SOLE	1	1,086	0	0
COMTECH TELECOMMUNICATIONS	COM	205826209	437	17,955	SH	SOLE	1	17,955	0	0
CONAGRA BRANDS INC	COM	205887102	3,700	173,225	SH	SOLE	1	173,225	0	0
CONCERT PHARMACEUTICALS INC	COM	206022105	176	14,018	SH	SOLE	1	14,018	0	0
CONCHO RESOURCES INC	COM	20605P101	8,555	83,230	SH	SOLE	1	83,230	0	0
CONDUENT INC	COM	206787103	37	3,453	SH	SOLE	1	3,453	0	0
CONMED CORP	COM	207410101	1,262	19,654	SH	SOLE	1	19,654	0	0
CONN S INC	COM	208242107	244	12,940	SH	SOLE	1	12,940	0	0
CONNECTICUT WATER SVC INC	COM	207797101	531	7,936	SH	SOLE	1	7,936	0	0
CONNECTONE BANCORP INC	COM	20786W107	367	19,891	SH	SOLE	1	19,891	0	0
CONOCOPHILLIPS	COM	20825C104	23,511	377,081	SH	SOLE	1	377,081	0	0
CONS TOMOKA LAND CO FLORIDA	COM	210226106	133	2,525	SH	SOLE	1	2,525	0	0
CONSOL ENERGY INC	COM	20854L108	690	21,765	SH	SOLE	1	21,765	0	0
CONSOLIDATED COMMUNICATIONS	COM	209034107	539	54,590	SH	SOLE	1	54,590	0	0
CONSOLIDATED EDISON INC	COM	209115104	14,697	192,212	SH	SOLE	1	192,212	0	0
CONSOLIDATED WATER CO ORD SH	COM	G23773107	113	9,689	SH	SOLE	1	9,689	0	0
CONSTELLATION BRANDS INC A	COM	21036P108	8,751	54,417	SH	SOLE	1	54,417	0	0
CONSTELLATION PHARMACEUTICAL	COM	210373106	11	2,658	SH	SOLE	1	2,658	0	0
CONTAINER STORE GROUP INC/TH	COM	210751103	50	10,506	SH	SOLE	1	10,506	0	0
CONTINENTAL BUILDING PRODUCT	COM	211171103	623	24,474	SH	SOLE	1	24,474	0	0
CONTINENTAL RESOURCES INC/OK	COM	212015101	306	7,608	SH	SOLE	1	7,608	0	0
CONTROL4 CORP	COM	21240D107	357	20,278	SH	SOLE	1	20,278	0	0

CONVERGEONE HOLDINGS INC	COM	212481105	216	17,461	SH	SOLE	1	17,461	0	0
COOPER COS INC/THE	COM	216648402	5,287	20,776	SH	SOLE	1	20,776	0	0
COOPER STANDARD HOLDING	COM	21676P103	846	13,615	SH	SOLE	1	13,615	0	0
COOPER TIRE (PLUS) RUBBER	COM	216831107	1,271	39,301	SH	SOLE	1	39,301	0	0
COPA HOLDINGS SA CLASS A	COM	P31076105	45	567	SH	SOLE	1	567	0	0
COPART INC	COM	217204106	3,492	73,082	SH	SOLE	1	73,082	0	0
CORBUS PHARMACEUTICALS HOLDI	COM	21833P103	192	32,841	SH	SOLE	1	32,841	0	0
CORCEPT THERAPEUTICS INC	COM	218352102	1,024	76,680	SH	SOLE	1	76,680	0	0
CORE LABORATORIES N.V.	COM	N22717107	5,329	89,318	SH	SOLE	1	89,318	0	0
CORE MARK HOLDING CO INC	COM	218681104	824	35,441	SH	SOLE	1	35,441	0	0
CORECIVIC INC	COM	21871N101	5,670	317,976	SH	SOLE	1	317,976	0	0
CORELOGIC INC	COM	21871D103	5,499	164,530	SH	SOLE	1	164,530	0	0
COREENERGY INFRASTRUCTURE TRU	COM	21870U502	259	7,832	SH	SOLE	1	7,832	0	0
COREPOINT LODGING INC	COM	21872L104	334	27,245	SH	SOLE	1	27,245	0	0
CORESITE REALTY CORP	COM	21870Q105	6,544	75,018	SH	SOLE	1	75,018	0	0
CORNERSTONE ONDEMAND INC	COM	21925Y103	1,806	35,813	SH	SOLE	1	35,813	0	0
CORNING INC	COM	219350105	9,507	314,691	SH	SOLE	1	314,691	0	0
CORPORATE OFFICE PROPERTIES	COM	22002T108	4,664	221,755	SH	SOLE	1	221,755	0	0
CORVEL CORP	COM	221006109	436	7,060	SH	SOLE	1	7,060	0	0
CORVUS PHARMACEUTICALS INC	COM	221015100	34	9,130	SH	SOLE	1	9,130	0	0
COSTAMARE INC	COM	Y1771G102	141	32,117	SH	SOLE	1	32,117	0	0
COSTAR GROUP INC	COM	22160N109	292	865	SH	SOLE	1	865	0	0
COSTCO WHOLESALE CORP	COM	22160K105	35,606	174,786	SH	SOLE	1	174,786	0	0
COTY INC CL A	COM	222070203	1,056	161,027	SH	SOLE	1	161,027	0	0
COUNTY BANCORP INC	COM	221907108	59	3,373	SH	SOLE	1	3,373	0	0
COUPA SOFTWARE INC	COM	22266L106	2,257	35,905	SH	SOLE	1	35,905	0	0
COUSINS PROPERTIES INC	COM	222795106	8,897	1,126,190	SH	SOLE	1	1,126,190	0	0
COVANTA HOLDING CORP	COM	22282E102	1,039	77,420	SH	SOLE	1	77,420	0	0
COVENANT TRANSPORT GRP CL A	COM	22284P105	156	8,122	SH	SOLE	1	8,122	0	0
COVIA HOLDINGS CORP	COM	22305A103	70	20,459	SH	SOLE	1	20,459	0	0
COWEN INC	COM	223622606	243	18,234	SH	SOLE	1	18,234	0	0
CRA INTERNATIONAL INC	COM	12618T105	220	5,171	SH	SOLE	1	5,171	0	0
CRACKER BARREL OLD COUNTRY	COM	22410J106	9,788	61,229	SH	SOLE	1	61,229	0	0
CRAFT BREW ALLIANCE INC	COM	224122101	120	8,384	SH	SOLE	1	8,384	0	0
CRANE CO	COM	224399105	8,656	119,924	SH	SOLE	1	119,924	0	0
CRAWFORD (PLUS) CO CL B	COM	224633107	69	7,695	SH	SOLE	1	7,695	0	0
CRAY INC	COM	225223304	678	31,424	SH	SOLE	1	31,424	0	0

CREDICORP LTD	COM	G2519Y108	258	1,166	SH	SOLE	1	1,166	0	0
CREDIT ACCEPTANCE CORP	COM	225310101	102	267	SH	SOLE	1	267	0	0
CREE INC	COM	225447101	11,698	273,487	SH	SOLE	1	273,487	0	0
CRINETICS PHARMACEUTICALS IN	COM	22663K107	138	4,585	SH	SOLE	1	4,585	0	0
CROCS INC	COM	227046109	1,337	51,457	SH	SOLE	1	51,457	0	0
CROSS COUNTRY HEALTHCARE INC	COM	227483104	203	27,631	SH	SOLE	1	27,631	0	0
CROWN CASTLE INTL CORP	COM	22822V101	18,039	166,063	SH	SOLE	1	166,063	0	0
CROWN HOLDINGS INC	COM	228368106	130	3,126	SH	SOLE	1	3,126	0	0
CRYOLIFE INC	COM	228903100	778	27,422	SH	SOLE	1	27,422	0	0
CRYOPORT INC	COM	229050307	187	16,992	SH	SOLE	1	16,992	0	0
CSG SYSTEMS INTL INC	COM	126349109	820	25,806	SH	SOLE	1	25,806	0	0
CSW INDUSTRIALS INC	COM	126402106	494	10,226	SH	SOLE	1	10,226	0	0
CSX CORP	COM	126408103	22,100	355,701	SH	SOLE	1	355,701	0	0
CTI BIOPHARMA CORP	COM	12648L601	25	33,631	SH	SOLE	1	33,631	0	0
CTRIIP.COM INTERNATIONAL ADR	ADR	22943F100	978	36,154	SH	SOLE	1	36,154	0	0
CTS CORP	COM	126501105	658	25,433	SH	SOLE	1	25,433	0	0
CUBESMART	COM	229663109	97	3,382	SH	SOLE	1	3,382	0	0
CUBIC CORP	COM	229669106	1,077	20,036	SH	SOLE	1	20,036	0	0
CUE BIOPHARMA INC	COM	22978P106	55	11,637	SH	SOLE	1	11,637	0	0
CULLEN/FROST BANKERS INC	COM	229899109	11,451	130,213	SH	SOLE	1	130,213	0	0
CULP INC	COM	230215105	139	7,347	SH	SOLE	1	7,347	0	0
CUMMINS INC	COM	231021106	11,572	86,591	SH	SOLE	1	86,591	0	0
CURO GROUP HOLDINGS CORP	COM	23131L107	73	7,716	SH	SOLE	1	7,716	0	0
CURTISS WRIGHT CORP	COM	231561101	9,117	89,281	SH	SOLE	1	89,281	0	0
CUSHMAN (PLUS) WAKEFIELD PLC	COM	G2717B108	448	30,955	SH	SOLE	1	30,955	0	0
CUSTOMERS BANCORP INC	COM	23204G100	414	22,746	SH	SOLE	1	22,746	0	0
CUTERA INC	COM	232109108	180	10,581	SH	SOLE	1	10,581	0	0
CVB FINANCIAL CORP	COM	126600105	1,735	85,757	SH	SOLE	1	85,757	0	0
CVR ENERGY INC	COM	12662P108	415	12,026	SH	SOLE	1	12,026	0	0
CVS HEALTH CORP	COM	126650100	51,102	779,945	SH	SOLE	1	779,945	0	0
CYMABAY THERAPEUTICS INC	COM	23257D103	305	38,794	SH	SOLE	1	38,794	0	0
CYPRESS SEMICONDUCTOR CORP	COM	232806109	9,402	739,187	SH	SOLE	1	739,187	0	0
CYRUSONE INC	COM	23283R100	11,407	215,711	SH	SOLE	1	215,711	0	0
CYTKINETICS INC	COM	23282W605	232	36,712	SH	SOLE	1	36,712	0	0
CYTOMX THERAPEUTICS INC	COM	23284F105	442	29,303	SH	SOLE	1	29,303	0	0
CYTOSORBENTS CORP	COM	23283X206	158	19,581	SH	SOLE	1	19,581	0	0
DAILY JOURNAL CORP	COM	233912104	173	738	SH	SOLE	1	738	0	0
DAKTRONICS INC	COM	234264109	210	28,322	SH	SOLE	1	28,322	0	0
DANA INC	COM	235825205	5,296	388,561	SH	SOLE	1	388,561	0	0
DANAHER CORP	ADR	235851102	28,718	278,488	SH	SOLE	1	278,488	0	0

DARDEN RESTAURANTS INC	COM	237194105	4,982	49,886	SH	SOLE	1	49,886	0	0
DARLING INGREDIENTS INC	COM	237266101	2,450	127,321	SH	SOLE	1	127,321	0	0
DASAN ZHONG SOLUTIONS INC	COM	23305L206	54	3,867	SH	SOLE	1	3,867	0	0
DASEKE INC	COM	23753F107	99	27,011	SH	SOLE	1	27,011	0	0
DAVE (PLUS) BUSTER S ENTERTAINMEN	COM	238337109	1,373	30,811	SH	SOLE	1	30,811	0	0
DAVITA INC	COM	23918K108	2,269	44,085	SH	SOLE	1	44,085	0	0
DAWSON GEOPHYSICAL CO	COM	239360100	47	13,898	SH	SOLE	1	13,898	0	0
DEAN FOODS CO	COM	242370203	270	70,829	SH	SOLE	1	70,829	0	0
DECIPHERA PHARMACEUTICALS IN	COM	24344T101	121	5,787	SH	SOLE	1	5,787	0	0
DECKERS OUTDOOR CORP	COM	243537107	9,990	78,079	SH	SOLE	1	78,079	0	0
DEERE (PLUS) CO	COM	244199105	19,687	131,979	SH	SOLE	1	131,979	0	0
DEL FRISCO S RESTAURANT GROU	COM	245077102	156	21,784	SH	SOLE	1	21,784	0	0
DEL TACO RESTAURANTS INC	COM	245496104	201	20,091	SH	SOLE	1	20,091	0	0
DELEK US HOLDINGS INC	COM	24665A103	1,745	53,670	SH	SOLE	1	53,670	0	0
DELL TECHNOLOGIES C	COM	24703L202	200	4,088	SH	SOLE	1	4,088	0	0
DELPHI TECHNOLOGIES PLC	COM	G2709G107	2,560	178,768	SH	SOLE	1	178,768	0	0
DELTA AIR LINES INC	COM	247361702	15,864	317,915	SH	SOLE	1	317,915	0	0
DELUXE CORP	COM	248019101	4,766	123,985	SH	SOLE	1	123,985	0	0
DENALI THERAPEUTICS INC	COM	24823R105	620	30,000	SH	SOLE	1	30,000	0	0
DENBURY RESOURCES INC	COM	247916208	610	356,915	SH	SOLE	1	356,915	0	0
DENNY S CORP	COM	24869P104	652	40,193	SH	SOLE	1	40,193	0	0
DENTSPLY SIRONA INC	COM	24906P109	3,574	96,052	SH	SOLE	1	96,052	0	0
DERMIRA INC	COM	24983L104	165	22,924	SH	SOLE	1	22,924	0	0
DEVON ENERGY CORP	COM	25179M103	5,172	229,447	SH	SOLE	1	229,447	0	0
DEXCOM INC	COM	252131107	253	2,112	SH	SOLE	1	2,112	0	0
DHT HOLDINGS INC	COM	Y2065G121	237	60,510	SH	SOLE	1	60,510	0	0
DIAMOND HILL INVESTMENT GRP	COM	25264R207	321	2,149	SH	SOLE	1	2,149	0	0
DIAMOND OFFSHORE DRILLING	COM	25271C102	1,635	173,164	SH	SOLE	1	173,164	0	0
DIAMONDBACK ENERGY INC	COM	25278X109	15,021	162,034	SH	SOLE	1	162,034	0	0
DIAMONDROCK HOSPITALITY CO	COM	252784301	1,462	161,010	SH	SOLE	1	161,010	0	0
DICERNA PHARMACEUTICALS INC	COM	253031108	379	35,409	SH	SOLE	1	35,409	0	0
DICK S SPORTING GOODS INC	COM	253393102	4,691	150,365	SH	SOLE	1	150,365	0	0
DIEBOLD NIXDORF INC	COM	253651103	147	59,183	SH	SOLE	1	59,183	0	0
DIGI INTERNATIONAL INC	COM	253798102	211	20,919	SH	SOLE	1	20,919	0	0
DIGIMARC CORP	COM	25381B101	107	7,381	SH	SOLE	1	7,381	0	0
DIGITAL REALTY TRUST INC	COM	253868103	8,787	82,466	SH	SOLE	1	82,466	0	0
DILLARDS INC CL A	COM	254067101	2,714	44,993	SH	SOLE	1	44,993	0	0

DIME COMMUNITY BANCSHARES	COM	253922108	414	24,370	SH	SOLE	1	24,370	0	0
DINE BRANDS GLOBAL INC	COM	254423106	883	13,119	SH	SOLE	1	13,119	0	0
DIODES INC	COM	254543101	1,004	31,125	SH	SOLE	1	31,125	0	0
DIPLOMAT PHARMACY INC	COM	25456K101	593	44,038	SH	SOLE	1	44,038	0	0
DISCOVER FINANCIAL SERVICES	COM	254709108	7,396	125,400	SH	SOLE	1	125,400	0	0
DISCOVERY INC A	COM	25470F104	1,717	69,394	SH	SOLE	1	69,394	0	0
DISCOVERY INC C	COM	25470F302	3,332	144,385	SH	SOLE	1	144,385	0	0
DISH NETWORK CORP A	COM	25470M109	2,841	113,762	SH	SOLE	1	113,762	0	0
DITECH HLDG CORP	*W EXP 02/09/202	25501G113	0	40	PRN	SOLE	2	40	0	0
DITECH HLDG CORP	*W EXP 02/09/202	25501G121	0	31	PRN	SOLE	2	31	0	0
DMC GLOBAL INC	COM	23291C103	330	9,401	SH	SOLE	1	9,401	0	0
DOCUSIGN INC	COM	256163106	71	1,779	SH	SOLE	1	1,779	0	0
DOLBY LABORATORIES INC CL A	COM	25659T107	70	1,136	SH	SOLE	1	1,136	0	0
DOLLAR GENERAL CORP	COM	256677105	10,002	92,544	SH	SOLE	1	92,544	0	0
DOLLAR TREE INC	COM	256746108	10,756	119,087	SH	SOLE	1	119,087	0	0
DOMINION ENERGY INC	COM	25746U109	15,640	218,865	SH	SOLE	1	218,865	0	0
DOMINO S PIZZA INC	COM	25754A201	21,087	85,032	SH	SOLE	1	85,032	0	0
DOMO INC CLASS B	COM	257554105	104	5,292	SH	SOLE	1	5,292	0	0
DOMTAR CORP	COM	257559203	4,504	128,203	SH	SOLE	1	128,203	0	0
DONALDSON CO INC	COM	257651109	11,343	261,412	SH	SOLE	1	261,412	0	0
DONEGAL GROUP INC CL A	COM	257701201	84	6,170	SH	SOLE	1	6,170	0	0
DONNELLEY FINANCIAL SOLUTION	COM	25787G100	367	26,185	SH	SOLE	1	26,185	0	0
DORIAN LPG LTD	COM	Y2106R110	106	18,248	SH	SOLE	1	18,248	0	0
DORMAN PRODUCTS INC	COM	258278100	1,901	21,113	SH	SOLE	1	21,113	0	0
DOUGLAS DYNAMICS INC	COM	25960R105	525	14,625	SH	SOLE	1	14,625	0	0
DOUGLAS EMMETT INC	COM	25960P109	11,230	329,049	SH	SOLE	1	329,049	0	0
DOVA PHARMACEUTICALS INC	COM	25985T102	59	7,756	SH	SOLE	1	7,756	0	0
DOVER CORP	COM	260003108	4,342	61,191	SH	SOLE	1	61,191	0	0
DOWDUPONT INC	COM	26078J100	41,543	776,794	SH	SOLE	1	776,794	0	0
DR HORTON INC	COM	23331A109	4,477	129,171	SH	SOLE	1	129,171	0	0
DR. REDDY S LABORATORIES ADR	ADR	256135203	12	321	SH	SOLE	1	321	0	0
DRIL QUIP INC	COM	262037104	2,877	95,791	SH	SOLE	1	95,791	0	0
DRIVE SHACK INC	COM	262077100	156	39,810	SH	SOLE	1	39,810	0	0
DSP GROUP INC	COM	23332B106	25	2,273	SH	SOLE	1	2,273	0	0
DSW INC CLASS A	COM	23334L102	1,316	53,260	SH	SOLE	1	53,260	0	0
DTE ENERGY COMPANY	COM	233331107	7,158	64,899	SH	SOLE	1	64,899	0	0
DUCOMMUN INC	COM	264147109	254	7,003	SH	SOLE	1	7,003	0	0
DUKE ENERGY CORP	COM	26441C204	20,830	241,369	SH	SOLE	1	241,369	0	0
DUKE REALTY CORP	COM	264411505	3,241	125,138	SH	SOLE	1	125,138	0	0
DULUTH HOLDINGS INC CL B	COM	26443V101	137	5,432	SH	SOLE	1	5,432	0	0

DUN (PLUS) BRADSTREET CORP	COM	26483E100	10,817	75,783 SH	SOLE	1	75,783	0	0
DUNKIN BRANDS GROUP INC	COM	265504100	10,827	168,861 SH	SOLE	1	168,861	0	0
DURECT CORPORATION	COM	266605104	50	103,194 SH	SOLE	1	103,194	0	0
DXC TECHNOLOGY CO	COM	23355L106	5,849	110,005 SH	SOLE	1	110,005	0	0
DXP ENTERPRISES INC	COM	233377407	344	12,366 SH	SOLE	1	12,366	0	0
DYCOM INDUSTRIES INC	COM	267475101	4,491	83,113 SH	SOLE	1	83,113	0	0
DYNAVAX TECHNOLOGIES CORP	COM	268158201	376	41,046 SH	SOLE	1	41,046	0	0
DYNEX CAPITAL INC	COM	26817Q506	218	38,095 SH	SOLE	1	38,095	0	0
E TRADE FINANCIAL CORP	COM	269246401	4,263	97,157 SH	SOLE	1	97,157	0	0
EAGLE BANCORP INC	COM	268948106	1,204	24,727 SH	SOLE	1	24,727	0	0
EAGLE BULK SHIPPING INC	COM	Y2187A143	145	31,410 SH	SOLE	1	31,410	0	0
EAGLE MATERIALS INC	COM	26969P108	5,848	95,829 SH	SOLE	1	95,829	0	0
EAGLE PHARMACEUTICALS INC	COM	269796108	332	8,250 SH	SOLE	1	8,250	0	0
EARTHSTONE ENERGY INC A	COM	27032D304	56	12,431 SH	SOLE	1	12,431	0	0
EAST WEST BANCORP INC	COM	27579R104	12,864	295,523 SH	SOLE	1	295,523	0	0
EASTERLY GOVERNMENT PROPERTI	ADR	27616P103	737	47,025 SH	SOLE	1	47,025	0	0
EASTERN CO/THE	COM	276317104	87	3,591 SH	SOLE	1	3,591	0	0
EASTGROUP PROPERTIES INC	COM	277276101	2,514	27,410 SH	SOLE	1	27,410	0	0
EASTMAN CHEMICAL CO	COM	277432100	3,950	54,030 SH	SOLE	1	54,030	0	0
EASTMAN KODAK CO	COM	277461406	28	11,138 SH	SOLE	1	11,138	0	0
EATON CORP PLC	COM	G29183103	12,564	182,984 SH	SOLE	1	182,984	0	0
EATON VANCE CORP	COM	278265103	8,519	242,168 SH	SOLE	1	242,168	0	0
EBAY INC	COM	278642103	12,116	431,636 SH	SOLE	1	431,636	0	0
EBIX INC	COM	278715206	787	18,498 SH	SOLE	1	18,498	0	0
ECHO GLOBAL LOGISTICS INC	COM	27875T101	443	21,780 SH	SOLE	1	21,780	0	0
ECHOSTAR CORP A	COM	278768106	32	867 SH	SOLE	1	867	0	0
ECLIPSE RESOURCES CORP	COM	27890G100	61	57,945 SH	SOLE	1	57,945	0	0
ECOLAB INC	COM	278865100	15,908	107,959 SH	SOLE	1	107,959	0	0
EDGEWELL PERSONAL CARE CO	COM	28035Q102	6,866	183,837 SH	SOLE	1	183,837	0	0
EDISON INTERNATIONAL	COM	281020107	6,592	116,117 SH	SOLE	1	116,117	0	0
EDITAS MEDICINE INC	COM	28106W103	692	30,435 SH	SOLE	1	30,435	0	0
EDWARDS LIFESCIENCES CORP	COM	28176E108	13,226	86,348 SH	SOLE	1	86,348	0	0
EGAIN CORP	COM	28225C806	76	11,636 SH	SOLE	1	11,636	0	0
EHEALTH INC	COM	28238P109	548	14,268 SH	SOLE	1	14,268	0	0
EIDOS THERAPEUTICS I	COM	28249H104	3,234	235,000 SH	SOLE	2	235,000	0	0
EIDOS THERAPEUTICS INC	COM	28249H104	66	4,776 SH	SOLE	1	4,776	0	0
EL PASO ELECTRIC CO	COM	283677854	1,577	31,460 SH	SOLE	1	31,460	0	0
EL POLLO LOCO HOLDINGS INC	COM	268603107	254	16,738 SH	SOLE	1	16,738	0	0
ELANCO ANIMAL HEALTH INC	COM	28414H103	48	1,525 SH	SOLE	1	1,525	0	0

ELASTIC NV	COM	N14506104	13	186 SH	SOLE	1	186	0	0
ELDORADO RESORTS INC	COM	28470R102	6,325	174,686 SH	SOLE	1	174,686	0	0
ELECTRO SCIENTIFIC INDS INC	COM	285229100	758	25,313 SH	SOLE	1	25,313	0	0
ELECTROCORE INC	COM	28531P103	25	3,972 SH	SOLE	1	3,972	0	0
ELECTRONIC ARTS INC	COM	285512109	10,505	133,132 SH	SOLE	1	133,132	0	0
ELECTRONICS FOR IMAGING	COM	286082102	843	33,985 SH	SOLE	1	33,985	0	0
ELEVATE CREDIT INC	COM	28621V101	61	13,569 SH	SOLE	1	13,569	0	0
ELF BEAUTY INC	COM	26856L103	127	14,668 SH	SOLE	1	14,668	0	0
ELI LILLY (PLUS) CO	COM	532457108	35,735	308,805 SH	SOLE	1	308,805	0	0
ELLIE MAE INC	COM	28849P100	1,434	22,829 SH	SOLE	1	22,829	0	0
ELOXX PHARMACEUTICALS INC	COM	29014R103	177	14,765 SH	SOLE	1	14,765	0	0
EMC INS GROUP INC	COM	268664109	194	6,085 SH	SOLE	1	6,085	0	0
EMCOR GROUP INC	COM	29084Q100	9,190	153,970 SH	SOLE	1	153,970	0	0
EMERALD EXPOSITIONS EVENTS I	COM	29103B100	202	16,330 SH	SOLE	1	16,330	0	0
EMERGENT BIOSOLUTIONS INC	COM	29089Q105	2,088	35,227 SH	SOLE	1	35,227	0	0
EMERSON ELECTRIC CO	COM	291011104	27,029	452,368 SH	SOLE	1	452,368	0	0
EMPIRE RESORTS INC	COM	292052305	24	2,322 SH	SOLE	1	2,322	0	0
EMPIRE STATE REALTY TRUST A	COM	292104106	37	2,586 SH	SOLE	1	2,586	0	0
EMPLOYERS HOLDINGS INC	COM	292218104	1,053	25,088 SH	SOLE	1	25,088	0	0
ENANTA PHARMACEUTICALS INC	COM	29251M106	912	12,881 SH	SOLE	1	12,881	0	0
ENCOMPASS HEALTH CORP	COM	29261A100	12,477	202,218 SH	SOLE	1	202,218	0	0
ENCORE CAP GROUP INC	COM	292554102	1,061	45,142 SH	SOLE	2	45,142	0	0
ENCORE CAPITAL GROUP INC	COM	292554102	473	20,140 SH	SOLE	1	20,140	0	0
ENCORE WIRE CORP	COM	292562105	796	15,868 SH	SOLE	1	15,868	0	0
ENDO INTERNATIONAL PLC	COM	G30401106	1,249	171,032 SH	SOLE	1	171,032	0	0
ENDOLOGIX INC	COM	29266S106	48	67,414 SH	SOLE	1	67,414	0	0
ENDURANCE INTERNATIONAL GROU	COM	29272B105	307	46,219 SH	SOLE	1	46,219	0	0
ENERGIZER HOLDINGS INC	COM	29272W109	5,495	121,695 SH	SOLE	1	121,695	0	0
ENERGOUS CORP	COM	29272C103	89	15,335 SH	SOLE	1	15,335	0	0
ENERGY FUELS INC	COM	292671708	160	56,068 SH	SOLE	1	56,068	0	0
ENERGY RECOVERY INC	COM	29270J100	160	23,725 SH	SOLE	1	23,725	0	0
ENERSYS	COM	29275Y102	8,761	112,882 SH	SOLE	1	112,882	0	0
ENGILITY HOLDINGS INC	COM	29286C107	401	14,085 SH	SOLE	1	14,085	0	0
ENNIS INC	COM	293389102	325	16,876 SH	SOLE	1	16,876	0	0
ENOVA INTERNATIONAL INC	COM	29357K103	510	26,210 SH	SOLE	1	26,210	0	0
ENPHASE ENERGY INC	COM	29355A107	269	56,956 SH	SOLE	1	56,956	0	0
ENPRO INDUSTRIES INC	COM	29355X107	956	15,902 SH	SOLE	1	15,902	0	0
ENSCO PLC CL A	COM	G3157S106	3,144	883,012 SH	SOLE	1	883,012	0	0
ENSIGN GROUP INC/THE	COM	29358P101	1,496	38,570 SH	SOLE	1	38,570	0	0

ENSTAR GROUP LTD	COM	G3075P101	1,329	7,931	SH	SOLE	1	7,931	0	0
ENTEGRA FINANCIAL CORP	COM	29363J108	92	4,421	SH	SOLE	1	4,421	0	0
ENTEGRIS INC	COM	29362U104	2,608	93,483	SH	SOLE	1	93,483	0	0
ENTERCOM COMMUNICATIONS CL A	COM	293639100	481	84,305	SH	SOLE	1	84,305	0	0
ENERGY CORP	COM	29364G103	5,563	64,633	SH	SOLE	1	64,633	0	0
ENTERPRISE BANCORP INC	COM	293668109	204	6,344	SH	SOLE	1	6,344	0	0
ENTERPRISE FINANCIAL SERVICE	COM	293712105	564	14,984	SH	SOLE	1	14,984	0	0
ENTRAVISION COMMUNICATIONS A	COM	29382R107	123	42,405	SH	SOLE	1	42,405	0	0
ENVESTNET INC	COM	29404K106	1,447	29,416	SH	SOLE	1	29,416	0	0
ENZO BIOCHEM INC	COM	294100102	81	28,994	SH	SOLE	1	28,994	0	0
EOG RESOURCES INC	COM	26875P101	21,303	244,278	SH	SOLE	1	244,278	0	0
EP ENERGY CORP CL A	COM	268785102	19	27,253	SH	SOLE	1	27,253	0	0
EPAM SYSTEMS INC	COM	29414B104	144	1,241	SH	SOLE	1	1,241	0	0
EPIZYME INC	COM	29428V104	242	39,223	SH	SOLE	1	39,223	0	0
EPLUS INC	COM	294268107	742	10,423	SH	SOLE	1	10,423	0	0
EPR PROPERTIES	COM	26884U109	9,701	151,512	SH	SOLE	1	151,512	0	0
EQT CORP	COM	26884L109	9,797	518,615	SH	SOLE	1	518,615	0	0
EQUIFAX INC	COM	294429105	3,946	42,376	SH	SOLE	1	42,376	0	0
EQUILLIUM INC	COM	29446K106	28	3,399	SH	SOLE	1	3,399	0	0
EQUINIX INC	COM	29444U700	11,083	31,437	SH	SOLE	1	31,437	0	0
EQUITRANS MIDSTREAM CORP	COM	294600101	8,304	414,775	SH	SOLE	1	414,775	0	0
EQUITY BANCSHARES INC CL A	COM	29460X109	310	8,802	SH	SOLE	1	8,802	0	0
EQUITY COMMONWEALTH	COM	294628102	64	2,128	SH	SOLE	1	2,128	0	0
EQUITY LIFESTYLE PROPERTIES	COM	29472R108	201	2,071	SH	SOLE	1	2,071	0	0
EQUITY RESIDENTIAL	COM	29476L107	9,614	145,649	SH	SOLE	1	145,649	0	0
ERA GROUP INC	COM	26885G109	137	15,695	SH	SOLE	1	15,695	0	0
ERIE INDEMNITY COMPANY CL A	COM	29530P102	75	560	SH	SOLE	1	560	0	0
EROS INTERNATIONAL PLC	COM	G3788M114	195	23,549	SH	SOLE	1	23,549	0	0
ESCALADE INC	COM	296056104	80	7,014	SH	SOLE	1	7,014	0	0
ESCO TECHNOLOGIES INC	COM	296315104	1,307	19,815	SH	SOLE	1	19,815	0	0
ESPERION THERAPEUTICS INC	COM	29664W105	693	15,064	SH	SOLE	1	15,064	0	0
ESQUIRE FINANCIAL HOLDINGS I	COM	29667J101	85	3,931	SH	SOLE	1	3,931	0	0
ESSA BANCORP INC	COM	29667D104	98	6,262	SH	SOLE	1	6,262	0	0
ESSENDANT INC	COM	296689102	358	28,424	SH	SOLE	1	28,424	0	0
ESSENT GROUP LTD	COM	G3198U102	2,162	63,248	SH	SOLE	1	63,248	0	0
ESSENTIAL PROPERTIES REALTY	COM	29670E107	324	23,440	SH	SOLE	1	23,440	0	0
ESSEX PROPERTY TRUST INC	COM	297178105	5,647	23,029	SH	SOLE	1	23,029	0	0
ESTEE LAUDER COMPANIES CL A	COM	518439104	11,866	91,205	SH	SOLE	1	91,205	0	0

ESTERLINE TECHNOLOGIES CORP	COM	297425100	8,610	70,897 SH	SOLE	1	70,897	0	0
ETHAN ALLEN INTERIORS INC	COM	297602104	328	18,657 SH	SOLE	1	18,657	0	0
ETSY INC	COM	29786A106	3,743	78,679 SH	SOLE	1	78,679	0	0
EURONET WORLDWIDE INC	COM	298736109	107	1,043 SH	SOLE	1	1,043	0	0
EVANS BANCORP INC	COM	29911Q208	100	3,075 SH	SOLE	1	3,075	0	0
EVELO BIOSCIENCES INC	COM	299734103	118	9,077 SH	SOLE	1	9,077	0	0
EVERBRIDGE INC	COM	29978A104	1,003	17,670 SH	SOLE	1	17,670	0	0
EVERCORE INC A	COM	29977A105	5,920	82,729 SH	SOLE	1	82,729	0	0
EVEREST RE GROUP LTD	COM	G3223R108	3,683	16,912 SH	SOLE	1	16,912	0	0
EVERGY INC	COM	30034W106	5,336	93,998 SH	SOLE	1	93,998	0	0
EVERI HOLDINGS INC	COM	30034T103	221	42,951 SH	SOLE	1	42,951	0	0
EVERSOURCE ENERGY	COM	30040W108	9,589	147,426 SH	SOLE	1	147,426	0	0
EVERTEC INC	COM	30040P103	1,356	47,235 SH	SOLE	1	47,235	0	0
EVI INDUSTRIES INC	COM	26929N102	84	2,523 SH	SOLE	1	2,523	0	0
EVO PAYMENTS INC CLASS A	COM	26927E104	389	15,780 SH	SOLE	1	15,780	0	0
EVOLENT HEALTH INC A	COM	30050B101	895	44,878 SH	SOLE	1	44,878	0	0
EVOLUS INC	COM	30052C107	73	6,129 SH	SOLE	1	6,129	0	0
EVOLUTION PETROLEUM CORP	COM	30049A107	114	16,769 SH	SOLE	1	16,769	0	0
EVOQUA WATER TECHNOLOGIES CO	COM	30057T105	478	49,841 SH	SOLE	1	49,841	0	0
EW SCRIPPS CO/THE A	COM	811054402	577	36,668 SH	SOLE	1	36,668	0	0
EXACT SCIENCES CORP	COM	30063P105	183	2,894 SH	SOLE	1	2,894	0	0
EXANTAS CAPITAL CORP	COM	30068N105	1,296	129,300 SH	SOLE	1	129,300	0	0
EXELA TECHNOLOGIES INC	COM	30162V102	121	31,209 SH	SOLE	1	31,209	0	0
EXELIXIS INC	COM	30161Q104	12,020	611,085 SH	SOLE	1	611,085	0	0
EXELON CORP	COM	30161N101	14,766	327,414 SH	SOLE	1	327,414	0	0
EXLSERVICE HOLDINGS INC	COM	302081104	1,369	26,011 SH	SOLE	1	26,011	0	0
EXPEDIA GROUP INC	COM	30212P303	7,779	69,052 SH	SOLE	1	69,052	0	0
EXPEDITORS INTL WASH INC	COM	302130109	4,872	71,550 SH	SOLE	1	71,550	0	0
EXPONENT INC	COM	30214U102	2,034	40,103 SH	SOLE	1	40,103	0	0
EXPRESS INC	COM	30219E103	285	55,831 SH	SOLE	1	55,831	0	0
EXTENDED STAY AMERICA INC	COM	30224P200	64	4,117 SH	SOLE	1	4,117	0	0
EXTERRAN CORP	COM	30227H106	443	25,037 SH	SOLE	1	25,037	0	0
EXTRA SPACE STORAGE INC	COM	30225T102	4,404	48,672 SH	SOLE	1	48,672	0	0
EXTRACTION OIL (PLUS) GAS INC	COM	30227M105	9	2,005 SH	SOLE	1	2,005	0	0
EXTREME NETWORKS INC	COM	30226D106	555	91,032 SH	SOLE	1	91,032	0	0
EXXON MOBIL CORP	COM	30231G102	447,150	6,557,409 SH	SOLE	1	6,557,409	0	0
EZCORP INC CL A	COM	302301106	302	39,049 SH	SOLE	1	39,049	0	0
F5 NETWORKS INC	COM	315616102	3,457	21,336 SH	SOLE	1	21,336	0	0
FABRINET	COM	G3323L100	1,440	28,072 SH	SOLE	1	28,072	0	0
FACEBOOK INC CLASS A	COM	30303M102	120,425	918,641 SH	SOLE	1	918,641	0	0

FACTSET RESEARCH SYSTEMS INC	COM	303075105	15,559	77,746	SH	SOLE	1	77,746	0	0
FAIR ISAAC CORP	COM	303250104	11,068	59,188	SH	SOLE	1	59,188	0	0
FARMER BROS CO	COM	307675108	154	6,612	SH	SOLE	1	6,612	0	0
FARMERS (PLUS) MERCHANTS BANCO/OH	COM	30779N105	226	5,880	SH	SOLE	1	5,880	0	0
FARMERS NATL BANC CORP	COM	309627107	213	16,683	SH	SOLE	1	16,683	0	0
FARMLAND PARTNERS INC	COM	31154R109	90	19,834	SH	SOLE	1	19,834	0	0
FARO TECHNOLOGIES INC	COM	311642102	540	13,290	SH	SOLE	1	13,290	0	0
FASTENAL CO	COM	311900104	17,893	342,194	SH	SOLE	1	342,194	0	0
FATE THERAPEUTICS INC	COM	31189P102	512	39,933	SH	SOLE	1	39,933	0	0
FB FINANCIAL CORP	COM	30257X104	377	10,771	SH	SOLE	1	10,771	0	0
FBL FINANCIAL GROUP INC CL A	COM	30239F106	428	6,512	SH	SOLE	1	6,512	0	0
FCB FINANCIAL HOLDINGS CL A	COM	30255G103	938	27,938	SH	SOLE	1	27,938	0	0
FEDERAL AGRIC MTG CORP CL C	COM	313148306	357	5,910	SH	SOLE	1	5,910	0	0
FEDERAL REALTY INVS TRUST	COM	313747206	3,423	28,996	SH	SOLE	1	28,996	0	0
FEDERAL SIGNAL CORP	COM	313855108	920	46,215	SH	SOLE	1	46,215	0	0
FEDERATED INVESTORS INC CL B	COM	314211103	6,814	256,639	SH	SOLE	1	256,639	0	0
FEDEX CORP	COM	31428X106	13,049	80,881	SH	SOLE	1	80,881	0	0
FEDNAT HOLDING CO	COM	31431B109	151	7,567	SH	SOLE	1	7,567	0	0
FENNEC PHARMACEUTICALS INC	COM	31447P100	49	7,639	SH	SOLE	1	7,639	0	0
FERRO CORP	COM	315405100	859	54,778	SH	SOLE	1	54,778	0	0
FGL HOLDINGS	COM	G3402M102	643	96,504	SH	SOLE	1	96,504	0	0
FIBROGEN INC	COM	31572Q808	2,317	50,074	SH	SOLE	1	50,074	0	0
FIDELITY D(PLUS)D BANCORP INC	COM	31609R100	118	1,840	SH	SOLE	1	1,840	0	0
FIDELITY NATIONAL FINANCIAL	COM	31620R303	2,418	76,909	SH	SOLE	1	76,909	0	0
FIDELITY NATIONAL INFO SERV	COM	31620M106	13,921	135,750	SH	SOLE	1	135,750	0	0
FIDELITY SOUTHERN CORP	COM	316394105	443	17,034	SH	SOLE	1	17,034	0	0
FIESTA RESTAURANT GROUP	COM	31660B101	285	18,396	SH	SOLE	1	18,396	0	0
FIFTH THIRD BANCORP	COM	316773100	7,085	301,111	SH	SOLE	1	301,111	0	0
FINANCIAL INSTITUTIONS INC	COM	317585404	260	10,111	SH	SOLE	1	10,111	0	0
FINISAR CORPORATION	COM	31787A507	1,968	91,094	SH	SOLE	1	91,094	0	0
FIREEYE INC	COM	31816Q101	69	4,253	SH	SOLE	1	4,253	0	0
FIRST AMERICAN FINANCIAL	COM	31847R102	10,169	227,797	SH	SOLE	1	227,797	0	0
FIRST BANCORP INC/ME	COM	31866P102	176	6,688	SH	SOLE	1	6,688	0	0
FIRST BANCORP PUERTO RICO	COM	318672706	1,430	166,336	SH	SOLE	1	166,336	0	0
FIRST BANCORP/NC	COM	318910106	629	19,271	SH	SOLE	1	19,271	0	0
FIRST BANCSHARES INC/MS	COM	318916103	247	8,154	SH	SOLE	1	8,154	0	0
FIRST BANK/HAMILTON NJ	COM	31931U102	130	10,747	SH	SOLE	1	10,747	0	0

FIRST BUSEY CORP	COM	319383204	706	28,787	SH	SOLE	1	28,787	0	0
FIRST BUSINESS FINANCIAL SER	COM	319390100	107	5,463	SH	SOLE	1	5,463	0	0
FIRST CHOICE BANCORP	COM	31948P104	134	5,910	SH	SOLE	1	5,910	0	0
FIRST CITIZENS BC SHS CL A	COM	31946M103	54	143	SH	SOLE	1	143	0	0
FIRST COMMONWEALTH FINL CORP	COM	319829107	936	77,445	SH	SOLE	1	77,445	0	0
FIRST COMMUNITY BANKSHARES	COM	31983A103	329	10,451	SH	SOLE	1	10,451	0	0
FIRST COMMUNITY CORP	COM	319835104	92	4,723	SH	SOLE	1	4,723	0	0
FIRST DATA CORP CLASS A	COM	32008D106	222	13,156	SH	SOLE	1	13,156	0	0
FIRST DEFIANCE FINL CORP	COM	32006W106	322	13,132	SH	SOLE	1	13,132	0	0
FIRST FINANCIAL BANCORP	COM	320209109	1,765	74,415	SH	SOLE	1	74,415	0	0
FIRST FINANCIAL CORP/INDIANA	COM	320218100	315	7,843	SH	SOLE	1	7,843	0	0
FIRST FINANCIAL NORTHWEST	COM	32022K102	85	5,489	SH	SOLE	1	5,489	0	0
FIRST FINL BANKSHARES INC	COM	32020R109	2,929	50,766	SH	SOLE	1	50,766	0	0
FIRST FOUNDATION INC	COM	32026V104	323	25,083	SH	SOLE	1	25,083	0	0
FIRST GUARANTY BANCSHARES IN	COM	32043P106	74	3,169	SH	SOLE	1	3,169	0	0
FIRST HAWAIIAN INC	COM	32051X108	44	1,937	SH	SOLE	1	1,937	0	0
FIRST HORIZON NATIONAL CORP	COM	320517105	8,689	660,290	SH	SOLE	1	660,290	0	0
FIRST INDUSTRIAL REALTY TR	COM	32054K103	9,731	337,195	SH	SOLE	1	337,195	0	0
FIRST INTERNET BANCORP	COM	320557101	131	6,429	SH	SOLE	1	6,429	0	0
FIRST INTERSTATE BANCSYS A	COM	32055Y201	792	21,662	SH	SOLE	1	21,662	0	0
FIRST MERCHANTS CORP	COM	320817109	1,115	32,522	SH	SOLE	1	32,522	0	0
FIRST MID ILLINOIS BNC SHS	COM	320866106	267	8,357	SH	SOLE	1	8,357	0	0
FIRST MIDWEST BANCORP INC/IL	COM	320867104	1,627	82,148	SH	SOLE	1	82,148	0	0
FIRST NORTHWEST BANCORP	COM	335834107	93	6,275	SH	SOLE	1	6,275	0	0
FIRST OF LONG ISLAND CORP	COM	320734106	322	16,161	SH	SOLE	1	16,161	0	0
FIRST REPUBLIC BANK/CA	COM	33616C100	596	6,860	SH	SOLE	1	6,860	0	0
FIRST SAVINGS FINANCIAL GRP	COM	33621E109	62	1,200	SH	SOLE	1	1,200	0	0
FIRST SOLAR INC	COM	336433107	6,536	153,941	SH	SOLE	1	153,941	0	0
FIRST UNITED CORP	COM	33741H107	72	4,501	SH	SOLE	1	4,501	0	0
FIRSTCASH INC	COM	33767D105	2,444	33,783	SH	SOLE	1	33,783	0	0
FIRSTENERGY CORP	COM	337932107	8,173	217,660	SH	SOLE	1	217,660	0	0
FISERV INC	COM	337738108	13,795	187,710	SH	SOLE	1	187,710	0	0
FITBIT INC A	COM	33812L102	700	140,856	SH	SOLE	1	140,856	0	0
FIVE BELOW	COM	33829M101	15,207	148,622	SH	SOLE	1	148,622	0	0
FIVE PRIME THERAPEUTICS INC	COM	33830X104	205	22,079	SH	SOLE	1	22,079	0	0

FIVE9 INC	COM	338307101	1,651	37,765 SH	SOLE	1	37,765	0	0
FLAGSTAR BANCORP INC	COM	337930705	605	22,918 SH	SOLE	1	22,918	0	0
FLEETCOR TECHNOLOGIES INC	COM	339041105	6,076	32,714 SH	SOLE	1	32,714	0	0
FLEXION THERAPEUTICS INC	COM	33938J106	250	22,113 SH	SOLE	1	22,113	0	0
FLEXSTEEL INDS	COM	339382103	107	4,829 SH	SOLE	1	4,829	0	0
FLIR SYSTEMS INC	COM	302445101	2,149	49,354 SH	SOLE	1	49,354	0	0
FLOOR (PLUS) DECOR HOLDINGS INC A	COM	339750101	30	1,168 SH	SOLE	1	1,168	0	0
FLOTEK INDUSTRIES INC	COM	343389102	39	36,231 SH	SOLE	1	36,231	0	0
FLOWERS FOODS INC	COM	343498101	6,906	373,907 SH	SOLE	1	373,907	0	0
FLOWERVE CORP	COM	34354P105	1,898	49,933 SH	SOLE	1	49,933	0	0
FLUENT INC	COM	34380C102	77	21,454 SH	SOLE	1	21,454	0	0
FLUIDIGM CORP	COM	34385P108	149	17,285 SH	SOLE	1	17,285	0	0
FLUOR CORP	COM	343412102	1,615	50,170 SH	SOLE	1	50,170	0	0
FLUSHING FINANCIAL CORP	COM	343873105	389	18,052 SH	SOLE	1	18,052	0	0
FMC CORP	COM	302491303	3,528	47,700 SH	SOLE	1	47,700	0	0
FNB CORP	COM	302520101	6,504	660,983 SH	SOLE	1	660,983	0	0
FOCUS FINANCIAL PARTNERS A	COM	34417P100	326	12,392 SH	SOLE	1	12,392	0	0
FONAR CORP	COM	344437405	82	4,054 SH	SOLE	1	4,054	0	0
FOOT LOCKER INC	COM	344849104	16,336	307,075 SH	SOLE	1	307,075	0	0
FORD MOTOR CO	COM	345370860	13,512	1,766,305 SH	SOLE	1	1,766,305	0	0
FORESCOUT TECHNOLOGIES INC	COM	34553D101	514	19,778 SH	SOLE	1	19,778	0	0
FORESTAR GROUP INC	COM	346232101	96	6,944 SH	SOLE	1	6,944	0	0
FORMFACTOR INC	COM	346375108	809	57,416 SH	SOLE	1	57,416	0	0
FORRESTER RESEARCH INC	COM	346563109	356	7,957 SH	SOLE	1	7,957	0	0
FORTERRA INC	COM	34960W106	47	12,425 SH	SOLE	1	12,425	0	0
FORTINET INC	COM	34959E109	3,581	50,845 SH	SOLE	1	50,845	0	0
FORTIVE CORP W/D	COM	34959J108	9,022	133,340 SH	SOLE	1	133,340	0	0
FORTRESS BIOTECH INC	COM	34960Q109	20	23,030 SH	SOLE	1	23,030	0	0
FORTUNE BRANDS HOME (PLUS) SECURI	COM	34964C106	1,932	50,845 SH	SOLE	1	50,845	0	0
FORTY SEVEN INC	COM	34983P104	84	5,375 SH	SOLE	1	5,375	0	0
FORUM ENERGY TECHNOLOGIES IN	COM	34984V100	220	53,351 SH	SOLE	1	53,351	0	0
FORWARD AIR CORP	COM	349853101	1,248	22,760 SH	SOLE	1	22,760	0	0
FOSSIL GROUP INC	COM	34988V106	557	35,400 SH	SOLE	1	35,400	0	0
FOSTER (LB) CO A	COM	350060109	104	6,561 SH	SOLE	1	6,561	0	0
FOUNDATION BUILDING MATERIAL	COM	350392106	81	9,709 SH	SOLE	1	9,709	0	0
FOUR CORNERS PROPERTY TRUST	COM	35086T109	1,378	52,588 SH	SOLE	1	52,588	0	0
FOX FACTORY HOLDING CORP	COM	35138V102	1,662	28,230 SH	SOLE	1	28,230	0	0
FRANCESCAS HOLDINGS CORP	COM	351793104	26	27,195 SH	SOLE	1	27,195	0	0
FRANK S INTERNATIONAL NV	COM	N33462107	252	48,205 SH	SOLE	1	48,205	0	0

FRANKLIN COVEY CO	COM	353469109	144	6,434	SH	SOLE	1	6,434	0	0
FRANKLIN ELECTRIC CO INC	COM	353514102	1,506	35,111	SH	SOLE	1	35,111	0	0
FRANKLIN FINANCIAL NETWORK	COM	35352P104	260	9,857	SH	SOLE	1	9,857	0	0
FRANKLIN RESOURCES INC	COM	354613101	7,846	264,529	SH	SOLE	1	264,529	0	0
FRANKLIN STREET PROPERTIES C	COM	35471R106	506	81,282	SH	SOLE	1	81,282	0	0
FREEMPORT MCMORAN INC	COM	35671D857	5,256	509,842	SH	SOLE	1	509,842	0	0
FREIGHTCAR AMERICA INC	COM	357023100	53	7,862	SH	SOLE	1	7,862	0	0
FRESH DEL MONTE PRODUCE INC	COM	G36738105	567	20,039	SH	SOLE	1	20,039	0	0
FRESHPET INC	COM	358039105	556	17,279	SH	SOLE	1	17,279	0	0
FRONT YARD RESIDENTIAL CORP	COM	35904G107	284	32,476	SH	SOLE	1	32,476	0	0
FRONTDOOR INC	COM	35905A109	44	1,641	SH	SOLE	1	1,641	0	0
FRONTIER COMMUNICATIONS CORP	COM	35906A306	193	81,119	SH	SOLE	1	81,119	0	0
FRONTLINE LTD	COM	G3682E192	280	50,645	SH	SOLE	1	50,645	0	0
FRP HOLDINGS INC	COM	30292L107	214	4,660	SH	SOLE	1	4,660	0	0
FS BANCORP INC	COM	30263Y104	107	2,489	SH	SOLE	1	2,489	0	0
FTI CONSULTING INC	COM	302941109	1,968	29,538	SH	SOLE	1	29,538	0	0
FTS INTERNATIONAL INC	COM	30283W104	152	21,423	SH	SOLE	1	21,423	0	0
FUELCELL ENERGY INC	COM	35952H502	34	61,356	SH	SOLE	1	61,356	0	0
FULTON FINANCIAL CORP	COM	360271100	7,264	469,229	SH	SOLE	1	469,229	0	0
FUNKO INC CLASS A	COM	361008105	91	6,913	SH	SOLE	1	6,913	0	0
FUSION CONNECT INC	COM	36116X102	24	14,071	SH	SOLE	1	14,071	0	0
FUTUREFUEL CORP	COM	36116M106	318	20,041	SH	SOLE	1	20,041	0	0
FVCBANKCORP INC	COM	36120Q101	22	1,225	SH	SOLE	1	1,225	0	0
G III APPAREL GROUP LTD	COM	36237H101	936	33,570	SH	SOLE	1	33,570	0	0
G1 THERAPEUTICS INC	COM	3621LQ109	287	15,004	SH	SOLE	1	15,004	0	0
GAIA INC	COM	36269P104	77	7,410	SH	SOLE	1	7,410	0	0
GAIN CAPITAL HOLDINGS INC	COM	36268W100	111	18,010	SH	SOLE	1	18,010	0	0
GAMCO INVESTORS INC A	COM	361438104	52	3,101	SH	SOLE	1	3,101	0	0
GAMESTOP CORP CLASS A	COM	36467W109	1,595	126,404	SH	SOLE	1	126,404	0	0
GAMING AND LEISURE PROPERTIE	COM	36467J108	132	4,094	SH	SOLE	1	4,094	0	0
GANNETT CO INC	COM	36473H104	750	87,915	SH	SOLE	1	87,915	0	0
GAP INC/THE	COM	364760108	390,754	15,169,027	SH	SOLE	1	15,169,027	0	0
GARDNER DENVER HOLDINGS INC	COM	36555P107	52	2,553	SH	SOLE	1	2,553	0	0
GARMIN LTD	COM	H2906T109	2,942	46,458	SH	SOLE	1	46,458	0	0
GARRETT MOTION INC	COM	366505105	108	8,714	SH	SOLE	1	8,714	0	0
GARTNER INC	COM	366651107	4,282	33,494	SH	SOLE	1	33,494	0	0
GASLOG LTD	COM	G37585109	442	26,824	SH	SOLE	1	26,824	0	0
GATES INDUSTRIAL CORP PLC	COM	G39108108	11	805	SH	SOLE	1	805	0	0
GATX CORP	COM	361448103	7,131	100,712	SH	SOLE	1	100,712	0	0
GCI LIBERTY INC CLASS A	COM	36164V305	837	20,347	SH	SOLE	1	20,347	0	0

GCP APPLIED TECHNOLOGIES	COM	36164Y101	1,163	47,354	SH	SOLE	1	47,354	0	0
GENCO SHIPPING (PLUS) TRADING LTD	COM	Y2685T131	51	6,427	SH	SOLE	1	6,427	0	0
GENCOR INDUSTRIES INC	COM	368678108	64	5,795	SH	SOLE	1	5,795	0	0
GENERAC HOLDINGS INC	COM	368736104	1,985	39,942	SH	SOLE	1	39,942	0	0
GENERAL DYNAMICS CORP	COM	369550108	16,814	106,954	SH	SOLE	1	106,954	0	0
GENERAL ELECTRIC CO	COM	369604103	22,294	2,945,043	SH	SOLE	1	2,945,043	0	0
GENERAL FINANCE CORP	COM	369822101	73	7,268	SH	SOLE	1	7,268	0	0
GENERAL MILLS INC	COM	370334104	377,049	9,682,820	SH	SOLE	1	9,682,820	0	0
GENERAL MOTORS CO	COM	37045V100	17,334	518,212	SH	SOLE	1	518,212	0	0
GENESCO INC	COM	371532102	680	15,352	SH	SOLE	1	15,352	0	0
GENESEE (PLUS) WYOMING INC CL A	COM	371559105	8,817	119,114	SH	SOLE	1	119,114	0	0
GENESIS HEALTHCARE INC	COM	37185X106	44	37,595	SH	SOLE	1	37,595	0	0
GENMARK DIAGNOSTICS INC	COM	372309104	166	34,137	SH	SOLE	1	34,137	0	0
GENOMIC HEALTH INC	COM	37244C101	889	13,799	SH	SOLE	1	13,799	0	0
GENPACT LTD	COM	G3922B107	80	2,981	SH	SOLE	1	2,981	0	0
GENTEX CORP	COM	371901109	12,069	597,156	SH	SOLE	1	597,156	0	0
GENTHERM INC	COM	37253A103	1,082	27,053	SH	SOLE	1	27,053	0	0
GENUINE PARTS CO	COM	372460105	17,769	185,058	SH	SOLE	1	185,058	0	0
GENWORTH FINANCIAL INC CL A	COM	37247D106	6,261	1,343,619	SH	SOLE	1	1,343,619	0	0
GEO GROUP INC/THE	COM	36162J106	6,406	325,195	SH	SOLE	1	325,195	0	0
GEOSPACE TECHNOLOGIES CORP	COM	37364X109	17	1,601	SH	SOLE	1	1,601	0	0
GERMAN AMERICAN BANCORP	COM	373865104	385	13,854	SH	SOLE	1	13,854	0	0
GERON CORP	COM	374163103	111	111,212	SH	SOLE	1	111,212	0	0
GETTY REALTY CORP	COM	374297109	751	25,530	SH	SOLE	1	25,530	0	0
GIBRALTAR INDUSTRIES INC	COM	374689107	883	24,802	SH	SOLE	1	24,802	0	0
GILEAD SCIENCES INC	COM	375558103	381,034	6,091,664	SH	SOLE	1	6,091,664	0	0
GLACIER BANCORP INC	COM	37637Q105	2,610	65,873	SH	SOLE	1	65,873	0	0
GLADSTONE COMMERCIAL CORP	COM	376536108	338	18,881	SH	SOLE	1	18,881	0	0
GLADSTONE LAND CORP	COM	376549101	99	8,603	SH	SOLE	1	8,603	0	0
GLATFELTER	COM	377316104	330	33,766	SH	SOLE	1	33,766	0	0
GLAUKOS CORP	COM	377322102	1,260	22,433	SH	SOLE	1	22,433	0	0
GLOBAL BLOOD THERAPEUTICS IN	COM	37890U108	1,350	32,897	SH	SOLE	1	32,897	0	0
GLOBAL BRASS (PLUS) COPPER HOLDIN	COM	37953G103	360	14,324	SH	SOLE	1	14,324	0	0
GLOBAL INDEMNITY LTD	COM	G3933F105	200	5,533	SH	SOLE	1	5,533	0	0
GLOBAL MEDICAL REIT INC	COM	37954A204	111	12,470	SH	SOLE	1	12,470	0	0
GLOBAL NET LEASE INC	COM	379378201	1,000	56,741	SH	SOLE	1	56,741	0	0
GLOBAL PAYMENTS INC	COM	37940X102	5,741	55,665	SH	SOLE	1	55,665	0	0
GLOBAL WATER RESOURCES INC	COM	379463102	72	7,121	SH	SOLE	1	7,121	0	0

GLOBUS MEDICAL INC A	COM	379577208	8,719	201,448	SH	SOLE	1	201,448	0	0
GLU MOBILE INC	COM	379890106	593	73,466	SH	SOLE	1	73,466	0	0
GLYCOMIMETICS INC	COM	38000Q102	212	22,425	SH	SOLE	1	22,425	0	0
GMS INC	COM	36251C103	319	21,446	SH	SOLE	1	21,446	0	0
GNC HOLDINGS INC CL A	COM	36191G107	128	54,069	SH	SOLE	1	54,069	0	0
GODADDY INC CLASS A	COM	380237107	254	3,873	SH	SOLE	1	3,873	0	0
GOGO INC	COM	38046C109	114	37,987	SH	SOLE	1	37,987	0	0
GOLAR LNG LTD	COM	G9456A100	1,356	62,304	SH	SOLE	1	62,304	0	0
GOLD RESOURCE CORP	COM	38068T105	139	34,662	SH	SOLE	1	34,662	0	0
GOLDEN ENTERTAINMENT INC	COM	381013101	192	11,962	SH	SOLE	1	11,962	0	0
GOLDMAN SACHS GROUP INC	COM	38141G104	19,566	117,129	SH	SOLE	1	117,129	0	0
GOODRICH PETROLEUM CORP	COM	382410843	79	5,839	SH	SOLE	1	5,839	0	0
GOODYEAR TIRE (PLUS) RUBBER CO	COM	382550101	1,697	83,143	SH	SOLE	1	83,143	0	0
GOOSEHEAD INSURANCE INC A	COM	38267D109	169	6,424	SH	SOLE	1	6,424	0	0
GOPRO INC CLASS A	COM	38268T103	321	75,660	SH	SOLE	1	75,660	0	0
GORMAN RUPP CO	COM	383082104	377	11,619	SH	SOLE	1	11,619	0	0
GOVERNMENT PROPERTIES INCOME	COM	38376A103	527	76,681	SH	SOLE	1	76,681	0	0
GP STRATEGIES CORP	COM	36225V104	103	8,167	SH	SOLE	1	8,167	0	0
GRACO INC	COM	384109104	14,239	340,230	SH	SOLE	1	340,230	0	0
GRAFTECH INTERNATIONAL LTD	COM	384313508	13	1,111	SH	SOLE	1	1,111	0	0
GRAHAM CORP	COM	384556106	144	6,309	SH	SOLE	1	6,309	0	0
GRAHAM HOLDINGS CO CLASS B	COM	384637104	5,662	8,839	SH	SOLE	1	8,839	0	0
GRAND CANYON EDUCATION INC	COM	38526M106	110	1,141	SH	SOLE	1	1,141	0	0
GRANITE CONSTRUCTION INC	COM	387328107	4,982	123,687	SH	SOLE	1	123,687	0	0
GRANITE POINT MORTGAGE TRUST	COM	38741L107	602	33,374	SH	SOLE	1	33,374	0	0
GRAPHIC PACKAGING HOLDING CO	COM	388689101	63	5,925	SH	SOLE	1	5,925	0	0
GRAY TELEVISION INC	COM	389375106	775	52,609	SH	SOLE	1	52,609	0	0
GREAT AJAX CORP	COM	38983D300	128	10,583	SH	SOLE	1	10,583	0	0
GREAT LAKES DREDGE (PLUS) DOCK CO	COM	390607109	249	37,578	SH	SOLE	1	37,578	0	0
GREAT SOUTHERN BANCORP INC	COM	390905107	335	7,271	SH	SOLE	1	7,271	0	0
GREAT WESTERN BANCORP INC	COM	391416104	1,431	45,798	SH	SOLE	1	45,798	0	0
GREEN BANCORP INC	COM	39260X100	352	20,558	SH	SOLE	1	20,558	0	0
GREEN BRICK PARTNERS INC	COM	392709101	117	16,151	SH	SOLE	1	16,151	0	0
GREEN DOT CORP CLASS A	COM	39304D102	2,974	37,399	SH	SOLE	1	37,399	0	0
GREEN PLAINS INC	COM	393222104	400	30,528	SH	SOLE	1	30,528	0	0
GREENBRIER COMPANIES INC	COM	393657101	975	24,650	SH	SOLE	1	24,650	0	0
GREENE COUNTY BANCORP INC	COM	394357107	62	2,000	SH	SOLE	1	2,000	0	0

GREENHILL (PLUS) CO INC	COM	395259104	334	13,696	SH	SOLE	1	13,696	0	0
GREENLIGHT CAPITAL RE LTD A	COM	G4095J109	163	18,926	SH	SOLE	1	18,926	0	0
GREIF INC CL A	COM	397624107	2,570	69,247	SH	SOLE	1	69,247	0	0
GREIF INC CL B	COM	397624206	163	3,668	SH	SOLE	1	3,668	0	0
GRIFFIN INDUSTRIAL REALTY IN	COM	398231100	18	549	SH	SOLE	1	549	0	0
GRIFFON CORP	COM	398433102	280	26,766	SH	SOLE	1	26,766	0	0
GRITSTONE ONCOLOGY INC	COM	39868T105	70	4,555	SH	SOLE	1	4,555	0	0
GROUP 1 AUTOMOTIVE INC	COM	398905109	754	14,300	SH	SOLE	1	14,300	0	0
GROUPON INC	COM	399473107	939	293,569	SH	SOLE	1	293,569	0	0
GRUBHUB INC	COM	400110102	168	2,183	SH	SOLE	1	2,183	0	0
GTT COMMUNICATIONS INC	COM	362393100	661	27,942	SH	SOLE	1	27,942	0	0
GTX INC	COM	40052B207	3	3,335	SH	SOLE	1	3,335	0	0
GUARANTY BANCORP	COM	40075T607	350	16,887	SH	SOLE	1	16,887	0	0
GUARANTY BANCSHARES INC	COM	400764106	151	5,065	SH	SOLE	1	5,065	0	0
GUARDANT HEALTH INC	COM	40131M109	359	9,552	SH	SOLE	1	9,552	0	0
GUESS INC	COM	401617105	926	44,602	SH	SOLE	1	44,602	0	0
GUIDEWIRE SOFTWARE INC	COM	40171V100	157	1,961	SH	SOLE	1	1,961	0	0
GULF ISLAND FABRICATION INC	COM	402307102	12	1,616	SH	SOLE	1	1,616	0	0
GULFPORT ENERGY CORP	COM	402635304	2,009	306,757	SH	SOLE	1	306,757	0	0
H.B. FULLER CO.	COM	359694106	1,678	39,318	SH	SOLE	1	39,318	0	0
H(PLUS)E EQUIPMENT SERVICES INC	COM	404030108	428	20,949	SH	SOLE	1	20,949	0	0
H(PLUS)R BLOCK INC	COM	093671105	15,111	595,619	SH	SOLE	1	595,619	0	0
HABIT RESTAURANTS INC/THE A	COM	40449J103	141	13,429	SH	SOLE	1	13,429	0	0
HACKETT GROUP INC/THE	COM	404609109	254	15,864	SH	SOLE	1	15,864	0	0
HAEMONETICS CORP/MASS	COM	405024100	13,869	138,625	SH	SOLE	1	138,625	0	0
HAIN CELESTIAL GROUP INC	COM	405217100	2,895	182,520	SH	SOLE	1	182,520	0	0
HALCON RESOURCES CORP	COM	40537Q605	149	87,869	SH	SOLE	1	87,869	0	0
HALLADOR ENERGY CO	COM	40609P105	55	10,933	SH	SOLE	1	10,933	0	0
HALLIBURTON CO	COM	406216101	7,884	296,615	SH	SOLE	1	296,615	0	0
HALLMARK FINL SERVICES INC	COM	40624Q203	92	8,583	SH	SOLE	1	8,583	0	0
HALOZYME THERAPEUTICS INC	COM	40637H109	1,202	82,149	SH	SOLE	1	82,149	0	0
HAMILTON BEACH BRAND A	COM	40701T104	99	4,238	SH	SOLE	1	4,238	0	0
HAMILTON LANE INC CLASS A	COM	407497106	407	10,991	SH	SOLE	1	10,991	0	0
HANCOCK WHITNEY CORP	COM	410120109	7,904	228,102	SH	SOLE	1	228,102	0	0
HANESBRANDS INC	COM	410345102	11,200	893,839	SH	SOLE	1	893,839	0	0
HANMI FINANCIAL CORPORATION	COM	410495204	488	24,757	SH	SOLE	1	24,757	0	0
HANNON ARMSTRONG SUSTAINABLE	COM	41068X100	648	34,005	SH	SOLE	1	34,005	0	0

HANOVER INSURANCE GROUP INC/	COM	410867105	13,412	114,862	SH	SOLE	1	114,862	0	0
HARBORONE BANCORP INC	COM	41165F101	152	9,560	SH	SOLE	1	9,560	0	0
HARLEY DAVIDSON INC	COM	412822108	1,983	58,107	SH	SOLE	1	58,107	0	0
HARMONIC INC	COM	413160102	307	65,011	SH	SOLE	1	65,011	0	0
HARRIS CORP	COM	413875105	5,659	42,031	SH	SOLE	1	42,031	0	0
HARSCO CORP	COM	415864107	1,240	62,449	SH	SOLE	1	62,449	0	0
HARTFORD FINANCIAL SVCS GRP	COM	416515104	5,689	127,988	SH	SOLE	1	127,988	0	0
HARVARD BIOSCIENCE INC	COM	416906105	76	23,974	SH	SOLE	1	23,974	0	0
HASBRO INC	COM	418056107	5,507	67,777	SH	SOLE	1	67,777	0	0
HAVERTY FURNITURE	COM	419596101	272	14,461	SH	SOLE	1	14,461	0	0
HAWAIIAN ELECTRIC INDS	COM	419870100	8,127	221,915	SH	SOLE	1	221,915	0	0
HAWAIIAN HOLDINGS INC	COM	419879101	1,007	38,114	SH	SOLE	1	38,114	0	0
HAWKINS INC	COM	420261109	308	7,514	SH	SOLE	1	7,514	0	0
HAYNES INTERNATIONAL INC	COM	420877201	255	9,645	SH	SOLE	1	9,645	0	0
HC2 HOLDINGS INC	COM	404139107	74	28,004	SH	SOLE	1	28,004	0	0
HCA HEALTHCARE INC	COM	40412C101	14,257	114,561	SH	SOLE	1	114,561	0	0
HCI GROUP INC	COM	40416E103	288	5,670	SH	SOLE	1	5,670	0	0
HCP INC	COM	40414L109	5,002	179,075	SH	SOLE	1	179,075	0	0
HD SUPPLY HOLDINGS INC	COM	40416M105	270	7,191	SH	SOLE	1	7,191	0	0
HEALTH INSURANCE INNOVATIO A	COM	42225K106	227	8,508	SH	SOLE	1	8,508	0	0
HEALTHCARE REALTY TRUST INC	COM	421946104	9,518	334,660	SH	SOLE	1	334,660	0	0
HEALTHCARE SERVICES GROUP	COM	421906108	7,950	197,869	SH	SOLE	1	197,869	0	0
HEALTHCARE TRUST OF AME CL A	COM	42225P501	95	3,763	SH	SOLE	1	3,763	0	0
HEALTHQUITY INC	COM	42226A107	8,667	145,303	SH	SOLE	1	145,303	0	0
HEALTHSTREAM INC	COM	42222N103	485	20,063	SH	SOLE	1	20,063	0	0
HEARTLAND EXPRESS INC	COM	422347104	666	36,375	SH	SOLE	1	36,375	0	0
HEARTLAND FINANCIAL USA INC	COM	42234Q102	850	19,337	SH	SOLE	1	19,337	0	0
HECLA MINING CO	COM	422704106	712	301,769	SH	SOLE	1	301,769	0	0
HEICO CORP	COM	422806109	72	930	SH	SOLE	1	930	0	0
HEICO CORP CLASS A	COM	422806208	115	1,832	SH	SOLE	1	1,832	0	0
HEIDRICK (PLUS) STRUGGLES INTL	COM	422819102	453	14,529	SH	SOLE	1	14,529	0	0
HELEN OF TROY LTD	COM	G4388N106	9,284	70,773	SH	SOLE	1	70,773	0	0
HELIUS MEDICAL TECHNOLOGIES	COM	42328V504	108	11,762	SH	SOLE	1	11,762	0	0
HELIX ENERGY SOLUTIONS GROUP	COM	42330P107	590	109,052	SH	SOLE	1	109,052	0	0
HELMERICH (PLUS) PAYNE	COM	423452101	1,991	41,540	SH	SOLE	1	41,540	0	0
HEMISPHERE MEDIA GRO	COM	42365Q103	11,753	968,149	SH	SOLE	2	968,149	0	0
HEMISPHERE MEDIA GROUP INC	COM	42365Q103	145	11,929	SH	SOLE	1	11,929	0	0

HENRY SCHEIN INC	COM	806407102	6,256	79,673	SH	SOLE	1	79,673	0	0
HERBALIFE NUTRITION LTD	COM	G4412G101	124	2,095	SH	SOLE	1	2,095	0	0
HERC HOLDINGS INC	COM	42704L104	411	15,815	SH	SOLE	1	15,815	0	0
HERITAGE COMMERCE CORP	COM	426927109	298	26,308	SH	SOLE	1	26,308	0	0
HERITAGE CRYSTAL CLEAN INC	COM	42726M106	224	9,753	SH	SOLE	1	9,753	0	0
HERITAGE FINANCIAL CORP	COM	42722X106	832	27,978	SH	SOLE	1	27,978	0	0
HERITAGE INSURANCE HOLDINGS	COM	42727J102	194	13,187	SH	SOLE	1	13,187	0	0
HERMAN MILLER INC	COM	600544100	4,811	159,033	SH	SOLE	1	159,033	0	0
HERON THERAPEUTICS INC	COM	427746102	1,177	45,381	SH	SOLE	1	45,381	0	0
HERSHA HOSPITALITY TRUST	COM	427825500	486	27,718	SH	SOLE	1	27,718	0	0
HERSHEY CO/THE	COM	427866108	19,276	179,850	SH	SOLE	1	179,850	0	0
HERTZ GLOBAL HOLDINGS INC	COM	42806J106	493	36,104	SH	SOLE	1	36,104	0	0
HESKA CORP	COM	42805E306	447	5,190	SH	SOLE	1	5,190	0	0
HESS CORP	COM	42809H107	4,590	113,328	SH	SOLE	1	113,328	0	0
HEWLETT PACKARD ENTERPRISE	COM	42824C109	7,496	567,414	SH	SOLE	1	567,414	0	0
HEXCEL CORP	COM	428291108	97	1,694	SH	SOLE	1	1,694	0	0
HFF INC CLASS A	COM	40418F108	973	29,328	SH	SOLE	1	29,328	0	0
HIBBETT SPORTS INC	COM	428567101	210	14,677	SH	SOLE	1	14,677	0	0
HIGHPOINT RESOURCES CORP	COM	43114K108	211	84,609	SH	SOLE	1	84,609	0	0
HIGHWOODS PROPERTIES INC	COM	431284108	8,160	210,908	SH	SOLE	1	210,908	0	0
HILL ROM HOLDINGS INC	COM	431475102	12,165	137,381	SH	SOLE	1	137,381	0	0
HILLENBRAND INC	COM	431571108	1,847	48,682	SH	SOLE	1	48,682	0	0
HILLTOP HOLDINGS INC	COM	432748101	845	47,391	SH	SOLE	1	47,391	0	0
HILTON GRAND VACATIONS INC	COM	43283X105	62	2,339	SH	SOLE	1	2,339	0	0
HILTON WORLDWIDE HOLDINGS IN	COM	43300A203	7,460	103,894	SH	SOLE	1	103,894	0	0
HINGHAM INSTITUTION FOR SVGS	COM	433323102	173	874	SH	SOLE	1	874	0	0
HMS HOLDINGS CORP	COM	40425J101	1,813	64,438	SH	SOLE	1	64,438	0	0
HNI CORP	COM	404251100	4,149	117,111	SH	SOLE	1	117,111	0	0
HOLLYFRONTIER CORP	COM	436106108	4,995	97,707	SH	SOLE	1	97,707	0	0
HOLOGIC INC	COM	436440101	4,329	105,338	SH	SOLE	1	105,338	0	0
HOME BANCORP INC	COM	43689E107	182	5,152	SH	SOLE	1	5,152	0	0
HOME BANCSHARES INC	COM	436893200	6,966	426,337	SH	SOLE	1	426,337	0	0
HOME DEPOT INC	COM	437076102	84,019	488,995	SH	SOLE	1	488,995	0	0
HOMESTREET INC	COM	43785V102	416	19,588	SH	SOLE	1	19,588	0	0
HOMETRUST BANCSHARES INC	COM	437872104	302	11,532	SH	SOLE	1	11,532	0	0
HOMOLOGY MEDICINES INC	COM	438083107	253	11,310	SH	SOLE	1	11,310	0	0
HONEYWELL INTERNATIONAL INC	COM	438516106	36,691	277,709	SH	SOLE	1	277,709	0	0

HOOKER FURNITURE CORP	COM	439038100	201	7,619 SH	SOLE	1	7,619	0	0
HOPE BANCORP INC	COM	43940T109	2,025	170,733 SH	SOLE	1	170,733	0	0
HORACE MANN EDUCATORS	COM	440327104	1,195	31,916 SH	SOLE	1	31,916	0	0
HORIZON BANCORP INC/IN	COM	440407104	385	24,377 SH	SOLE	1	24,377	0	0
HORIZON PHARMA PLC	COM	G4617B105	2,161	110,573 SH	SOLE	1	110,573	0	0
HORMEL FOODS CORP	COM	440452100	18,282	428,346 SH	SOLE	1	428,346	0	0
HORTONWORKS INC	COM	440894103	689	47,776 SH	SOLE	1	47,776	0	0
HOSPITALITY PROPERTIES TRUST	COM	44106M102	8,003	335,149 SH	SOLE	1	335,149	0	0
HOST HOTELS (PLUS) RESORTS INC	COM	44107P104	4,754	285,155 SH	SOLE	1	285,155	0	0
HOSTESS BRANDS INC	COM	44109J106	711	64,998 SH	SOLE	1	64,998	0	0
HOUGHTON MIFFLIN HARCOURT CO	COM	44157R109	604	68,139 SH	SOLE	1	68,139	0	0
HOULIHAN LOKEY INC	COM	441593100	820	22,283 SH	SOLE	1	22,283	0	0
HOVNIANIAN ENTERPRISES A	COM	442487203	55	79,868 SH	SOLE	1	79,868	0	0
HOWARD BANCORP INC	COM	442496105	123	8,606 SH	SOLE	1	8,606	0	0
HOWARD HUGHES CORP/THE	COM	44267D107	78	799 SH	SOLE	1	799	0	0
HP INC	COM	40434L105	349,777	17,095,627 SH	SOLE	1	17,095,627	0	0
HUB GROUP INC CL A	COM	443320106	944	25,478 SH	SOLE	1	25,478	0	0
HUBBELL INC	COM	443510607	11,099	111,730 SH	SOLE	1	111,730	0	0
HUBSPOT INC	COM	443573100	3,065	24,381 SH	SOLE	1	24,381	0	0
HUDSON LTD CLASS A	COM	G46408103	449	26,195 SH	SOLE	1	26,195	0	0
HUDSON PACIFIC PROPERTIES IN	COM	444097109	85	2,909 SH	SOLE	1	2,909	0	0
HUMANA INC	COM	444859102	18,161	63,392 SH	SOLE	1	63,392	0	0
HUNT (JB) TRANSPRT SVCS INC	COM	445658107	3,827	41,130 SH	SOLE	1	41,130	0	0
HUNTINGTON BANCSHARES INC	COM	446150104	6,014	504,570 SH	SOLE	1	504,570	0	0
HUNTINGTON INGALLS INDUSTRIE	COM	446413106	2,957	15,538 SH	SOLE	1	15,538	0	0
HUNTSMAN CORP	COM	447011107	76	3,955 SH	SOLE	1	3,955	0	0
HURCO COMPANIES INC	COM	447324104	146	4,093 SH	SOLE	1	4,093	0	0
HURON CONSULTING GROUP INC	COM	447462102	747	14,557 SH	SOLE	1	14,557	0	0
HYATT HOTELS CORP CL A	COM	448579102	52	766 SH	SOLE	1	766	0	0
HYSTER YALE MATERIALS	COM	449172105	423	6,826 SH	SOLE	1	6,826	0	0
I3 VERTICALS INC CLASS A	COM	46571Y107	122	5,082 SH	SOLE	1	5,082	0	0
IAC/INTERACTIVECORP	COM	44919P508	617	3,371 SH	SOLE	1	3,371	0	0
IBERIABANK CORP	COM	450828108	2,350	36,558 SH	SOLE	1	36,558	0	0
ICF INTERNATIONAL INC	COM	44925C103	771	11,906 SH	SOLE	1	11,906	0	0
ICHOR HOLDINGS LTD	COM	G4740B105	286	17,534 SH	SOLE	1	17,534	0	0
ICICI BANK LTD SPON ADR	ADR	45104G104	158	15,369 SH	SOLE	1	15,369	0	0
ICU MEDICAL INC	COM	44930G107	7,785	33,904 SH	SOLE	1	33,904	0	0
IDACORP INC	COM	451107106	12,568	135,050 SH	SOLE	1	135,050	0	0
IDERA PHARMACEUTICALS INC	COM	45168K405	35	12,566 SH	SOLE	1	12,566	0	0

IDEX CORP	COM	45167R104	19,797	156,793	SH	SOLE	1	156,793	0	0
IDEXX LABORATORIES INC	COM	45168D104	7,237	38,904	SH	SOLE	1	38,904	0	0
IES HOLDINGS INC	COM	44951W106	85	5,491	SH	SOLE	1	5,491	0	0
IHS MARKIT LTD	COM	G47567105	7,148	149,016	SH	SOLE	1	149,016	0	0
II VI INC	COM	902104108	1,572	48,418	SH	SOLE	1	48,418	0	0
ILLINOIS TOOL WORKS	COM	452308109	16,579	130,861	SH	SOLE	1	130,861	0	0
ILLUMINA INC	COM	452327109	19,566	65,234	SH	SOLE	1	65,234	0	0
IMAX CORP	COM	45245E109	664	35,315	SH	SOLE	1	35,315	0	0
IMMERSION CORPORATION	COM	452521107	153	17,061	SH	SOLE	1	17,061	0	0
IMMUNE DESIGN CORP	COM	45252L103	29	22,188	SH	SOLE	1	22,188	0	0
IMMUNOGEN INC	COM	45253H101	454	94,509	SH	SOLE	1	94,509	0	0
IMMUNOMEDICS INC	COM	452907108	1,382	96,876	SH	SOLE	1	96,876	0	0
IMPAC MORTGAGE HOLDINGS INC	COM	45254P508	24	6,459	SH	SOLE	1	6,459	0	0
IMPERVA INC	COM	45321L100	1,296	23,273	SH	SOLE	1	23,273	0	0
IMPINJ INC	COM	453204109	156	10,753	SH	SOLE	1	10,753	0	0
INCYTE CORP	COM	45337C102	5,443	85,603	SH	SOLE	1	85,603	0	0
INDEPENDENCE CONTRACT DRILLI	COM	453415309	100	32,089	SH	SOLE	1	32,089	0	0
INDEPENDENCE HOLDING CO	COM	453440307	108	3,074	SH	SOLE	1	3,074	0	0
INDEPENDENCE REALTY TRUST IN	COM	45378A106	623	67,913	SH	SOLE	1	67,913	0	0
INDEPENDENT BANK CORP MICH	COM	453838609	304	14,464	SH	SOLE	1	14,464	0	0
INDEPENDENT BANK CORP/MA	COM	453836108	1,492	21,224	SH	SOLE	1	21,224	0	0
INDEPENDENT BANK GROUP INC	COM	45384B106	637	13,918	SH	SOLE	1	13,918	0	0
INDUSTRIAL LOGISTICS PROP WI	COM	456237106	837	42,558	SH	SOLE	1	42,558	0	0
INFINERA CORP	COM	45667G103	396	99,316	SH	SOLE	1	99,316	0	0
INFORMATION SERVICES GROUP	COM	45675Y104	95	22,482	SH	SOLE	1	22,482	0	0
INFOSYS LTD SP ADR	ADR	456788108	544	57,118	SH	SOLE	1	57,118	0	0
INFRAREIT INC	COM	45685L100	612	29,117	SH	SOLE	1	29,117	0	0
INFRASTRUCTURE AND ENERGY AL	COM	45686J104	92	11,285	SH	SOLE	1	11,285	0	0
INGERSOLL RAND PLC	COM	G47791101	10,949	120,017	SH	SOLE	1	120,017	0	0
INGEVITY CORP	COM	45688C107	2,750	32,860	SH	SOLE	1	32,860	0	0
INGLES MARKETS INC CLASS A	COM	457030104	253	9,287	SH	SOLE	1	9,287	0	0
INGREDION INC	COM	457187102	14,346	156,962	SH	SOLE	1	156,962	0	0
INNERWORKINGS INC	COM	45773Y105	106	28,343	SH	SOLE	1	28,343	0	0
INNOPHOS HOLDINGS INC	COM	45774N108	371	15,128	SH	SOLE	1	15,128	0	0
INNOSPEC INC	COM	45768S105	1,163	18,832	SH	SOLE	1	18,832	0	0
INNOVATE BIOPHARMACEUTICALS	COM	45782F105	31	13,559	SH	SOLE	1	13,559	0	0
INNOVATIVE INDUSTRIAL PROPER	COM	45781V101	277	6,092	SH	SOLE	1	6,092	0	0
INNOVIVA INC	COM	45781M101	931	53,356	SH	SOLE	1	53,356	0	0

INOGEN INC	COM	45780L104	5,889	47,429 SH	SOLE	1	47,429	0	0
INOVALON HOLDINGS INC A	COM	45781D101	643	45,358 SH	SOLE	1	45,358	0	0
INOVIO PHARMACEUTICALS INC	COM	45773H201	218	54,589 SH	SOLE	1	54,589	0	0
INPHI CORP	COM	45772F107	919	28,600 SH	SOLE	1	28,600	0	0
INSIGHT ENTERPRISES INC	COM	45765U103	1,113	27,312 SH	SOLE	1	27,312	0	0
INSMED INC	COM	457669307	661	50,416 SH	SOLE	1	50,416	0	0
INSPERITY INC	COM	45778Q107	9,532	102,100 SH	SOLE	1	102,100	0	0
INSPIRE MEDICAL SYSTEMS INC	COM	457730109	331	7,823 SH	SOLE	1	7,823	0	0
INSTALLED BUILDING PRODUCTS	COM	45780R101	574	17,038 SH	SOLE	1	17,038	0	0
INSTEEL INDUSTRIES INC	COM	45774W108	344	14,150 SH	SOLE	1	14,150	0	0
INSTRUCTURE INC	COM	45781U103	785	20,920 SH	SOLE	1	20,920	0	0
INSULET CORP	COM	45784P101	112	1,412 SH	SOLE	1	1,412	0	0
INSYS THERAPEUTICS INC	COM	45824V209	62	17,698 SH	SOLE	1	17,698	0	0
INTEGER HOLDINGS CORP	COM	45826H109	1,830	23,994 SH	SOLE	1	23,994	0	0
INTEGRA LIFESCIENCES HOLDING	COM	457985208	6,515	144,447 SH	SOLE	1	144,447	0	0
INTEGRATED DEVICE TECH INC	COM	458118106	16,759	346,043 SH	SOLE	1	346,043	0	0
INTEL CORP	ADR	458140100	103,152	2,198,001 SH	SOLE	1	2,198,001	0	0
INTELLIA THERAPEUTICS INC	COM	45826J105	299	21,874 SH	SOLE	1	21,874	0	0
INTELSAT SA	COM	L5140P101	785	36,690 SH	SOLE	1	36,690	0	0
INTER PARFUMS INC	COM	458334109	884	13,486 SH	SOLE	1	13,486	0	0
INTERACTIVE BROKERS GRO CL A	COM	45841N107	8,385	153,422 SH	SOLE	1	153,422	0	0
INTERCEPT PHARMACEUTICALS IN	COM	45845P108	1,453	14,421 SH	SOLE	1	14,421	0	0
INTERCONTINENTAL EXCHANGE IN	COM	45866F104	17,984	238,730 SH	SOLE	1	238,730	0	0
INTERDIGITAL INC	COM	45867G101	6,055	91,155 SH	SOLE	1	91,155	0	0
INTERFACE INC	COM	458665304	654	45,899 SH	SOLE	1	45,899	0	0
INTERNAP CORP	COM	45885A409	66	15,961 SH	SOLE	1	15,961	0	0
INTERNATIONAL BANCSHARES CRP	COM	459044103	5,068	147,339 SH	SOLE	1	147,339	0	0
INTERNATIONAL GAME TECHNOLOG	COM	G4863A108	27	1,819 SH	SOLE	1	1,819	0	0
INTERNATIONAL SEAWAYS INC	COM	Y41053102	241	14,321 SH	SOLE	1	14,321	0	0
INTERPUBLIC GROUP OF COS INC	COM	460690100	14,969	725,593 SH	SOLE	1	725,593	0	0
INTERSECT ENT INC	COM	46071F103	555	19,709 SH	SOLE	1	19,709	0	0
INTL BUSINESS MACHINES CORP	COM	459200101	364,785	3,209,156 SH	SOLE	1	3,209,156	0	0
INTL FCSTONE INC	COM	46116V105	438	11,969 SH	SOLE	1	11,969	0	0
INTL FLAVORS (PLUS) FRAGRANCES	COM	459506101	5,998	44,668 SH	SOLE	1	44,668	0	0
INTL PAPER CO	COM	460146103	6,972	172,742 SH	SOLE	1	172,742	0	0
INTL SPEEDWAY CORP CL A	COM	460335201	2,865	65,330 SH	SOLE	1	65,330	0	0
INTRA CELLULAR THERAPIES INC	COM	46116X101	336	29,488 SH	SOLE	1	29,488	0	0

INTREPID POTASH INC	COM	46121Y102	164	62,895 SH	SOLE	1	62,895	0	0
INTREXON CORP	COM	46122T102	317	48,475 SH	SOLE	1	48,475	0	0
INTRICON CORP	COM	46121H109	132	5,008 SH	SOLE	1	5,008	0	0
INTUIT INC	COM	461202103	22,398	113,782 SH	SOLE	1	113,782	0	0
INTUITIVE SURGICAL INC	COM	46120E602	21,211	44,289 SH	SOLE	1	44,289	0	0
INVACARE CORP	COM	461203101	110	25,601 SH	SOLE	1	25,601	0	0
INVESCO LTD	COM	G491BT108	3,041	181,640 SH	SOLE	1	181,640	0	0
INVESCO MORTGAGE CAPITAL	COM	46131B100	1,262	87,140 SH	SOLE	1	87,140	0	0
INVESTAR HOLDING CORP	COM	46134L105	145	5,849 SH	SOLE	1	5,849	0	0
INVESTMENT TECHNOLOGY GROUP	COM	46145F105	767	25,351 SH	SOLE	1	25,351	0	0
INVESTORS BANCORP INC	COM	46146L101	1,657	159,350 SH	SOLE	1	159,350	0	0
INVESTORS REAL ESTATE TRUST	COM	461730509	388	7,897 SH	SOLE	1	7,897	0	0
INVESTORS TITLE CO	COM	461804106	160	908 SH	SOLE	1	908	0	0
INVITAE CORP	COM	46185L103	478	43,192 SH	SOLE	1	43,192	0	0
INVITATION HOMES INC	COM	46187W107	109	5,415 SH	SOLE	1	5,415	0	0
ION GEOPHYSICAL CORP	COM	462044207	36	7,000 SH	SOLE	1	7,000	0	0
IONIS PHARMACEUTICALS INC	COM	462222100	163	3,019 SH	SOLE	1	3,019	0	0
IOVANCE BIOTHERAPEUTICS INC	COM	462260100	617	69,703 SH	SOLE	1	69,703	0	0
IPG PHOTONICS CORP	COM	44980X109	1,522	13,435 SH	SOLE	1	13,435	0	0
IQVIA HOLDINGS INC	COM	46266C105	8,037	69,184 SH	SOLE	1	69,184	0	0
IRADIMED CORP	COM	46266A109	56	2,305 SH	SOLE	1	2,305	0	0
IRHYTHM TECHNOLOGIES INC	COM	450056106	1,103	15,876 SH	SOLE	1	15,876	0	0
IRIDIUM COMMUNICATIONS INC	COM	46269C102	1,377	74,615 SH	SOLE	1	74,615	0	0
IROBOT CORP	COM	462726100	1,760	21,015 SH	SOLE	1	21,015	0	0
IRON MOUNTAIN INC	COM	46284V101	3,454	106,570 SH	SOLE	1	106,570	0	0
IRONWOOD PHARMACEUTICALS INC	COM	46333X108	960	92,618 SH	SOLE	1	92,618	0	0
ISHARES 1 3 YEAR TREASURY BOND	COM	464287457	7,685	91,900 SH	SOLE	1	91,900	0	0
ISHARES 10 20 YEAR TREASURY BO	COM	464288653	1,442	10,800 SH	SOLE	1	10,800	0	0
ISHARES 20 YEAR TREASURY BOND	COM	464287432	1,592	13,100 SH	SOLE	1	13,100	0	0
ISHARES 3 7 YEAR TREASURY BOND	COM	464288661	3,994	32,900 SH	SOLE	1	32,900	0	0
ISHARES 7 10 YEAR TREASURY BON	COM	464287440	2,272	21,800 SH	SOLE	1	21,800	0	0
ISHARES CORE S(PLUS)P SMALL CAP ETF	COM	464287804	2,207	31,831 SH	SOLE	1	31,831	0	0
ISHARES IBOXX INVESTMENT GRA	COM	464287242	11,259	99,800 SH	SOLE	1	99,800	0	0
ISHARES MSCI EAFE ETF	COM	464287465	48,405	823,500 SH	SOLE	1	823,500	0	0
ISHARES MSCI EMERGING MARKETS	COM	464287234	3,536	90,517 SH	SOLE	1	90,517	0	0
ISHARES MSCI INDIA ETF	COM	46429B598	3,947	118,386 SH	SOLE	1	118,386	0	0
ISHARES RUSSELL 2000 ETF	COM	464287655	3,108	23,214 SH	SOLE	1	23,214	0	0

ISHARES RUSSELL MID CAP GROWTH	COM	464287481	63	554 SH	SOLE	1	554	0	0
ISHARES RUSSELL MID CAP VALUE	COM	464287473	697	9,125 SH	SOLE	1	9,125	0	0
ISHARES S(PLUS)P 500 GROWTH ETF	COM	464287309	8,334	55,314 SH	SOLE	1	55,314	0	0
ISHARES S(PLUS)P 500 VALUE ETF	COM	464287408	11,061	109,360 SH	SOLE	1	109,360	0	0
ISRAMCO INC	COM	465141406	58	487 SH	SOLE	1	487	0	0
ISTAR INC	COM	45031U101	466	50,859 SH	SOLE	1	50,859	0	0
ITERIS INC	COM	46564T107	62	16,740 SH	SOLE	1	16,740	0	0
ITRON INC	COM	465741106	1,242	26,267 SH	SOLE	1	26,267	0	0
ITT INC	COM	45073V108	8,619	178,550 SH	SOLE	1	178,550	0	0
J (PLUS) J SNACK FOODS CORP	COM	466032109	1,687	11,667 SH	SOLE	1	11,667	0	0
J ALEXANDER S HOLDINGS	COM	46609J106	70	8,457 SH	SOLE	1	8,457	0	0
J. JILL INC	COM	46620W102	58	10,818 SH	SOLE	1	10,818	0	0
J.C. PENNEY CO INC	COM	708160106	254	243,879 SH	SOLE	1	243,879	0	0
J2 GLOBAL INC	COM	48123V102	8,703	125,444 SH	SOLE	1	125,444	0	0
JABIL INC	COM	466313103	7,271	293,321 SH	SOLE	1	293,321	0	0
JACK HENRY (PLUS) ASSOCIATES INC	COM	426281101	3,495	27,623 SH	SOLE	1	27,623	0	0
JACK IN THE BOX INC	COM	466367109	5,427	69,908 SH	SOLE	1	69,908	0	0
JACOBS ENGINEERING GROUP INC	COM	469814107	2,502	42,794 SH	SOLE	1	42,794	0	0
JAGGED PEAK ENERGY INC	COM	47009K107	386	42,274 SH	SOLE	1	42,274	0	0
JAMES RIVER GROUP HOLDINGS L	COM	G5005R107	753	20,607 SH	SOLE	1	20,607	0	0
JANUS HENDERSON GROUP PLC	COM	G4474Y214	6,984	337,067 SH	SOLE	1	337,067	0	0
JAZZ PHARMACEUTICALS PLC	COM	G50871105	400	3,227 SH	SOLE	1	3,227	0	0
JBG SMITH PROPERTIES	COM	46590V100	7,719	221,753 SH	SOLE	1	221,753	0	0
JD.COM INC ADR	ADR	47215P106	1,405	67,112 SH	SOLE	1	67,112	0	0
JEFFERIES FINANCIAL GROUP IN	COM	47233W109	2,081	119,854 SH	SOLE	1	119,854	0	0
JELD WEN HOLDING INC	COM	47580P103	636	44,756 SH	SOLE	1	44,756	0	0
JERNIGAN CAPITAL INC	COM	476405105	235	11,837 SH	SOLE	1	11,837	0	0
JETBLUE AIRWAYS CORP	COM	477143101	9,978	621,275 SH	SOLE	1	621,275	0	0
JM SMUCKER CO/THE	COM	832696405	4,647	49,707 SH	SOLE	1	49,707	0	0
JOHN B. SANFILIPPO (PLUS) SON INC	COM	800422107	372	6,684 SH	SOLE	1	6,684	0	0
JOHN BEAN TECHNOLOGIES CORP	COM	477839104	1,748	24,338 SH	SOLE	1	24,338	0	0
JOHNSON (PLUS) JOHNSON	COM	478160104	134,235	1,040,177 SH	SOLE	1	1,040,177	0	0
JOHNSON CONTROLS INTERNATIONAL	COM	G51502105	12,231	412,509 SH	SOLE	1	412,509	0	0
JOHNSON OUTDOORS INC A	COM	479167108	189	3,210 SH	SOLE	1	3,210	0	0
JONES LANG LASALLE INC	COM	48020Q107	12,113	95,681 SH	SOLE	1	95,681	0	0
JOUNCE THERAPEUTICS INC	COM	481116101	35	10,380 SH	SOLE	1	10,380	0	0
JPMORGAN CHASE (PLUS) CO	COM	46625H100	476,593	4,882,121 SH	SOLE	1	4,882,121	0	0

JUNIPER NETWORKS INC	COM	48203R104	3,507	130,335 SH	SOLE	1	130,335	0	0
K12 INC	COM	48273U102	610	24,617 SH	SOLE	1	24,617	0	0
KADANT INC	COM	48282T104	587	7,201 SH	SOLE	1	7,201	0	0
KADMON HOLDINGS INC	COM	48283N106	137	65,645 SH	SOLE	1	65,645	0	0
KAISER ALUMINUM CORP	COM	483007704	1,121	12,555 SH	SOLE	1	12,555	0	0
KALA PHARMACEUTICALS INC	COM	483119103	51	10,369 SH	SOLE	1	10,369	0	0
KAMAN CORP	COM	483548103	1,205	21,475 SH	SOLE	1	21,475	0	0
KANSAS CITY SOUTHERN	COM	485170302	3,608	37,797 SH	SOLE	1	37,797	0	0
KAR AUCTION SERVICES INC	COM	48238T109	1,641	34,378 SH	SOLE	1	34,378	0	0
KARYOPHARM THERAPEUTICS INC	COM	48576U106	299	31,916 SH	SOLE	1	31,916	0	0
KB HOME	COM	48666K109	4,406	230,705 SH	SOLE	1	230,705	0	0
KBR INC	COM	48242W106	5,730	377,477 SH	SOLE	1	377,477	0	0
KEANE GROUP INC	COM	48669A108	279	34,158 SH	SOLE	1	34,158	0	0
KEARNY FINANCIAL CORP/MD	COM	48716P108	771	60,124 SH	SOLE	1	60,124	0	0
KELLOGG CO	COM	487836108	9,132	160,177 SH	SOLE	1	160,177	0	0
KELLY SERVICES INC A	ADR	488152208	497	24,262 SH	SOLE	1	24,262	0	0
KEMET CORP	COM	488360207	770	43,910 SH	SOLE	1	43,910	0	0
KEMPER CORP	COM	488401100	10,466	157,675 SH	SOLE	1	157,675	0	0
KENNAMETAL INC	COM	489170100	7,305	219,511 SH	SOLE	1	219,511	0	0
KENNEDY WILSON HOLDINGS INC	COM	489398107	1,499	82,513 SH	SOLE	1	82,513	0	0
KEURIG DR PEPPER INC	COM	49271V100	111	4,336 SH	SOLE	1	4,336	0	0
KEY ENERGY SERVICES INC	COM	49309J103	14	6,729 SH	SOLE	1	6,729	0	0
KEYCORP	COM	493267108	6,894	466,473 SH	SOLE	1	466,473	0	0
KEYSIGHT TECHNOLOGIES IN	COM	49338L103	4,022	64,787 SH	SOLE	1	64,787	0	0
KEYW HOLDING CORP/THE	COM	493723100	214	32,038 SH	SOLE	1	32,038	0	0
KEZAR LIFE SCIENCES INC	COM	49372L100	80	3,389 SH	SOLE	1	3,389	0	0
KFORCE INC	COM	493732101	469	15,177 SH	SOLE	1	15,177	0	0
KILROY REALTY CORP	COM	49427F108	12,911	205,327 SH	SOLE	1	205,327	0	0
KIMBALL ELECTRONICS INC	COM	49428J109	264	17,057 SH	SOLE	1	17,057	0	0
KIMBALL INTERNATIONAL B	COM	494274103	338	23,808 SH	SOLE	1	23,808	0	0
KIMBERLY CLARK CORP	COM	494368103	17,639	154,811 SH	SOLE	1	154,811	0	0
KIMCO REALTY CORP	COM	49446R109	2,198	150,048 SH	SOLE	1	150,048	0	0
KINDER MORGAN INC	COM	49456B101	13,203	858,459 SH	SOLE	1	858,459	0	0
KINDRED BIOSCIENCES INC	COM	494577109	224	20,415 SH	SOLE	1	20,415	0	0
KINGSTONE COS INC	COM	496719105	108	6,107 SH	SOLE	1	6,107	0	0
KINKSA PHARMACEUTICALS A	COM	G5269C101	120	4,272 SH	SOLE	1	4,272	0	0
KINSALE CAPITAL GROUP INC	COM	49714P108	714	12,853 SH	SOLE	1	12,853	0	0
KIRBY CORP	COM	497266106	7,404	109,914 SH	SOLE	1	109,914	0	0
KIRKLAND S INC	COM	497498105	114	11,954 SH	SOLE	1	11,954	0	0

KITE REALTY GROUP TRUST	COM	49803T300	907	64,347	SH	SOLE	1	64,347	0	0
KKR REAL ESTATE FINANCE TRUS	COM	48251K100	271	14,146	SH	SOLE	1	14,146	0	0
KLA TENCOR CORP	COM	482480100	395,319	4,417,470	SH	SOLE	1	4,417,470	0	0
KLX ENERGY SERVICES HOLDING	COM	48253L106	372	15,877	SH	SOLE	1	15,877	0	0
KNIGHT SWIFT TRANSPORTATION	COM	499049104	6,423	256,208	SH	SOLE	1	256,208	0	0
KNOLL INC	COM	498904200	525	31,884	SH	SOLE	1	31,884	0	0
KNOWLES CORP	COM	49926D109	907	68,155	SH	SOLE	1	68,155	0	0
KODIAK SCIENCES INC	COM	50015M109	44	6,247	SH	SOLE	1	6,247	0	0
KOHL'S CORP	COM	500255104	4,924	74,228	SH	SOLE	1	74,228	0	0
KOPIN CORP	COM	500600101	46	46,116	SH	SOLE	1	46,116	0	0
KOPPERS HOLDINGS INC	COM	50060P106	272	15,976	SH	SOLE	1	15,976	0	0
KORN FERRY	COM	500643200	1,759	44,475	SH	SOLE	1	44,475	0	0
KOSMOS ENERGY LTD	COM	500688106	19	4,582	SH	SOLE	1	4,582	0	0
KRAFT HEINZ CO/THE	COM	500754106	331,082	7,692,416	SH	SOLE	1	7,692,416	0	0
KRATON CORP	COM	50077C106	528	24,172	SH	SOLE	1	24,172	0	0
KRATOS DEFENSE (PLUS) SECURITY	COM	50077B207	817	58,003	SH	SOLE	1	58,003	0	0
KROGER CO	COM	501044101	9,963	362,295	SH	SOLE	1	362,295	0	0
KRONOS WORLDWIDE INC	COM	50105F105	172	14,924	SH	SOLE	1	14,924	0	0
KULICKE (PLUS) SOFFA INDUSTRIES	COM	501242101	160	7,908	SH	SOLE	1	7,908	0	0
KURA ONCOLOGY INC	COM	50127T109	262	18,626	SH	SOLE	1	18,626	0	0
KVH INDUSTRIES INC	COM	482738101	110	10,654	SH	SOLE	1	10,654	0	0
L BRANDS INC	COM	501797104	313,812	12,224,858	SH	SOLE	1	12,224,858	0	0
L3 TECHNOLOGIES INC	COM	502413107	4,786	27,561	SH	SOLE	1	27,561	0	0
LA JOLLA PHARMACEUTICAL CO	COM	503459604	133	14,117	SH	SOLE	1	14,117	0	0
LA Z BOY INC	COM	505336107	1,005	36,255	SH	SOLE	1	36,255	0	0
LABORATORY CRP OF AMER HLDGS	COM	50540R409	7,030	55,638	SH	SOLE	1	55,638	0	0
LADDER CAPITAL CORP REIT	COM	505743104	940	60,766	SH	SOLE	1	60,766	0	0
LADENBURG THALMANN FINANCIAL	COM	50575Q102	156	67,021	SH	SOLE	1	67,021	0	0
LAKELAND BANCORP INC	COM	511637100	439	29,633	SH	SOLE	1	29,633	0	0
LAKELAND FINANCIAL CORP	COM	511656100	645	16,066	SH	SOLE	1	16,066	0	0
LAM RESEARCH CORP	COM	512807108	387,892	2,848,583	SH	SOLE	1	2,848,583	0	0
LAMAR ADVERTISING CO A	COM	512816109	12,029	173,876	SH	SOLE	1	173,876	0	0
LAMB WESTON HOLDINGS INC	COM	513272104	3,724	50,626	SH	SOLE	1	50,626	0	0
LANCASTER COLONY CORP	COM	513847103	9,174	51,869	SH	SOLE	1	51,869	0	0
LANDEC CORP	COM	514766104	211	17,849	SH	SOLE	1	17,849	0	0
LANDS END INC	COM	51509F105	98	6,916	SH	SOLE	1	6,916	0	0
LANDSTAR SYSTEM INC	COM	515098101	8,041	84,046	SH	SOLE	1	84,046	0	0
LANNETT CO INC	COM	516012101	117	23,577	SH	SOLE	1	23,577	0	0
LANTHEUS HOLDINGS INC	COM	516544103	454	28,983	SH	SOLE	1	28,983	0	0

LAREDO PETROLEUM INC	COM	516806106	436	120,325	SH	SOLE	1	120,325	0	0
LAS VEGAS SANDS CORP	COM	517834107	359,921	6,914,913	SH	SOLE	1	6,914,913	0	0
LATTICE SEMICONDUCTOR CORP	COM	518415104	534	77,097	SH	SOLE	1	77,097	0	0
LAUREATE EDUCATION INC A	COM	518613203	951	62,424	SH	SOLE	1	62,424	0	0
LAWSON PRODUCTS INC	COM	520776105	139	4,399	SH	SOLE	1	4,399	0	0
LAZARD LTD CL A	COM	G54050102	1,476	39,998	SH	SOLE	1	39,998	0	0
LCI INDUSTRIES	COM	50189K103	1,273	19,060	SH	SOLE	1	19,060	0	0
LCNB CORPORATION	COM	50181P100	90	5,922	SH	SOLE	1	5,922	0	0
LEAF GROUP LTD	COM	52177G102	75	10,876	SH	SOLE	1	10,876	0	0
LEAR CORP	COM	521865204	1,489	12,118	SH	SOLE	1	12,118	0	0
LEGACYTEXAS FINANCIAL GROUP	COM	52471Y106	1,176	36,636	SH	SOLE	1	36,636	0	0
LEGG MASON INC	COM	524901105	5,830	228,549	SH	SOLE	1	228,549	0	0
LEGGETT (PLUS) PLATT INC	COM	524660107	1,668	46,534	SH	SOLE	1	46,534	0	0
LEIDOS HOLDINGS INC	COM	525327102	16,087	305,133	SH	SOLE	1	305,133	0	0
LEMAITRE VASCULAR INC	COM	525558201	293	12,383	SH	SOLE	1	12,383	0	0
LENDINGCLUB CORP	COM	52603A109	556	211,423	SH	SOLE	1	211,423	0	0
LENDINGTREE INC	COM	52603B107	4,452	20,276	SH	SOLE	1	20,276	0	0
LENNAR CORP B SHS	COM	526057302	10	333	SH	SOLE	1	333	0	0
LENNAR CORP A	COM	526057104	4,119	105,199	SH	SOLE	1	105,199	0	0
LENNOX INTERNATIONAL INC	COM	526107107	16,216	74,094	SH	SOLE	1	74,094	0	0
LEVEL ONE BANCORP INC	COM	52730D208	76	3,398	SH	SOLE	1	3,398	0	0
LEXICON PHARMACEUTICALS INC	COM	528872302	189	28,449	SH	SOLE	1	28,449	0	0
LEXINGTON REALTY TRUST	COM	529043101	1,350	164,452	SH	SOLE	1	164,452	0	0
LGI HOMES INC	COM	50187T106	650	14,373	SH	SOLE	1	14,373	0	0
LHC GROUP INC	COM	50187A107	2,145	22,847	SH	SOLE	1	22,847	0	0
LIBERTY BROADBAND A	COM	530307107	33	462	SH	SOLE	1	462	0	0
LIBERTY BROADBAND C	COM	530307305	136	1,887	SH	SOLE	1	1,887	0	0
LIBERTY EXPEDIA HOLD A	COM	53046P109	1,403	35,872	SH	SOLE	1	35,872	0	0
LIBERTY GLOBAL PLC C	COM	G5480U120	815	39,493	SH	SOLE	1	39,493	0	0
LIBERTY GLOBAL PLC A	COM	G5480U104	392	18,355	SH	SOLE	1	18,355	0	0
LIBERTY LATIN AMERIC CL A	COM	G9001E102	414	28,611	SH	SOLE	1	28,611	0	0
LIBERTY LATIN AMERIC CL C	COM	G9001E128	1,091	74,871	SH	SOLE	1	74,871	0	0
LIBERTY MEDIA COR SIRIUSXM A	COM	531229409	56	1,528	SH	SOLE	1	1,528	0	0
LIBERTY MEDIA COR SIRIUSXM C	COM	531229607	329	8,886	SH	SOLE	1	8,886	0	0
LIBERTY MEDIA CORP BRAVES A	COM	531229706	163	6,547	SH	SOLE	1	6,547	0	0
LIBERTY MEDIA CORP BRAVES C	COM	531229888	584	23,471	SH	SOLE	1	23,471	0	0
LIBERTY MEDIA CORP LIBERTY A	COM	531229870	13	450	SH	SOLE	1	450	0	0
LIBERTY MEDIA CORP LIBERTY C	COM	531229854	110	3,578	SH	SOLE	1	3,578	0	0

LIBERTY OILFIELD SERVICES A	COM	53115L104	378	29,163	SH	SOLE	1	29,163	0	0
LIBERTY PROPERTY TRUST	COM	531172104	12,618	301,296	SH	SOLE	1	301,296	0	0
LIBERTY TRIPADVISOR HDG A	COM	531465102	760	47,821	SH	SOLE	1	47,821	0	0
LIFE STORAGE INC	COM	53223X107	8,833	94,988	SH	SOLE	1	94,988	0	0
LIFETIME BRANDS INC	COM	53222Q103	78	7,752	SH	SOLE	1	7,752	0	0
LIGAND PHARMACEUTICALS	COM	53220K504	7,695	56,709	SH	SOLE	1	56,709	0	0
LILIS ENERGY INC	COM	532403201	40	29,283	SH	SOLE	1	29,283	0	0
LIMELIGHT NETWORKS INC	COM	53261M104	168	71,942	SH	SOLE	1	71,942	0	0
LIMONEIRA CO	COM	532746104	191	9,790	SH	SOLE	1	9,790	0	0
LINCOLN ELECTRIC HOLDINGS	COM	533900106	10,386	131,714	SH	SOLE	1	131,714	0	0
LINCOLN NATIONAL CORP	COM	534187109	4,392	85,588	SH	SOLE	1	85,588	0	0
LINDBLAD EXPEDITIONS HOLDING	COM	535219109	189	14,029	SH	SOLE	1	14,029	0	0
LINDE PLC	COM	G5494J103	42,111	269,876	SH	SOLE	1	269,876	0	0
LINDSAY CORP	COM	535555106	802	8,331	SH	SOLE	1	8,331	0	0
LIONS GATE ENTERTAINMENT A	COM	535919401	15	915	SH	SOLE	1	915	0	0
LIONS GATE ENTERTAINMENT B	COM	535919500	27	1,785	SH	SOLE	1	1,785	0	0
LIQUIDIA TECHNOLOGIES INC	COM	53635D202	70	3,211	SH	SOLE	1	3,211	0	0
LIQUIDITY SERVICES INC	COM	53635B107	125	20,296	SH	SOLE	1	20,296	0	0
LITHIA MOTORS INC CL A	COM	536797103	1,320	17,293	SH	SOLE	1	17,293	0	0
LITTELFUSE INC	COM	537008104	8,810	51,379	SH	SOLE	1	51,379	0	0
LIVANOVA PLC	COM	G5509L101	11,929	130,416	SH	SOLE	1	130,416	0	0
LIVE NATION ENTERTAINMENT IN	COM	538034109	13,924	282,724	SH	SOLE	1	282,724	0	0
LIVE OAK BANCSHARES INC	COM	53803X105	248	16,759	SH	SOLE	1	16,759	0	0
LIVENT CORP	COM	53814L108	211	15,284	SH	SOLE	1	15,284	0	0
LIVEPERSON INC	COM	538146101	861	45,666	SH	SOLE	1	45,666	0	0
LIVERAMP HOLDINGS INC	COM	53815P108	8,053	208,460	SH	SOLE	1	208,460	0	0
LIVEXLIVE MEDIA INC	COM	53839L208	96	19,388	SH	SOLE	1	19,388	0	0
LKQ CORP	COM	501889208	3,369	141,965	SH	SOLE	1	141,965	0	0
LOCKHEED MARTIN CORP	COM	539830109	31,441	120,077	SH	SOLE	1	120,077	0	0
LOEWS CORP	COM	540424108	7,761	170,498	SH	SOLE	1	170,498	0	0
LOGICBIO THERAPEUTICS INC	COM	54142F102	56	5,350	SH	SOLE	1	5,350	0	0
LOGMEIN INC	COM	54142L109	8,522	104,475	SH	SOLE	1	104,475	0	0
LORAL SPACE (PLUS) COMMUNICATIONS	COM	543881106	315	8,455	SH	SOLE	1	8,455	0	0
LOUISIANA PACIFIC CORP	COM	546347105	9,252	416,402	SH	SOLE	1	416,402	0	0
LOVESAC CO/THE	COM	54738L109	86	3,745	SH	SOLE	1	3,745	0	0
LOWE S COS INC	COM	548661107	28,491	308,481	SH	SOLE	1	308,481	0	0
LOXO ONCOLOGY INC	COM	548862101	2,480	17,708	SH	SOLE	1	17,708	0	0
LPL FINANCIAL HOLDINGS INC	COM	50212V100	127	2,079	SH	SOLE	1	2,079	0	0

LSB INDUSTRIES INC	COM	502160104	92	16,601	SH	SOLE	1	16,601	0	0
LSC COMMUNICATIONS INC	COM	50218P107	179	25,508	SH	SOLE	1	25,508	0	0
LTC PROPERTIES INC	COM	502175102	1,274	30,577	SH	SOLE	1	30,577	0	0
LULULEMON ATHLETICA INC	COM	550021109	1,180	9,701	SH	SOLE	1	9,701	0	0
LUMBER LIQUIDATORS HOLDINGS	COM	55003T107	210	22,107	SH	SOLE	1	22,107	0	0
LUMENTUM HOLDINGS INC	COM	55024U109	8,356	198,913	SH	SOLE	1	198,913	0	0
LUMINEX CORP	COM	55027E102	744	32,180	SH	SOLE	1	32,180	0	0
LUTHER BURBANK CORP	COM	550550107	121	13,418	SH	SOLE	1	13,418	0	0
LYDALL INC	COM	550819106	268	13,190	SH	SOLE	1	13,190	0	0
LYONDELLBASELL INDUSTRIAL A	COM	N53745100	353,184	4,247,041	SH	SOLE	1	4,247,041	0	0
M (PLUS) T BANK CORP	COM	55261F104	9,584	66,958	SH	SOLE	1	66,958	0	0
M/I HOMES INC	COM	55305B101	444	21,112	SH	SOLE	1	21,112	0	0
MACATAWA BANK CORP	COM	554225102	165	17,131	SH	SOLE	1	17,131	0	0
MACERICH CO/THE	COM	554382101	1,749	40,410	SH	SOLE	1	40,410	0	0
MACK CALI REALTY CORP	COM	554489104	4,742	242,047	SH	SOLE	1	242,047	0	0
MACOM TECHNOLOGY SOLUTIONS H	COM	55405Y100	433	29,837	SH	SOLE	1	29,837	0	0
MACQUARIE INFRASTRUCTURE CORP	COM	55608B105	53	1,441	SH	SOLE	1	1,441	0	0
MACROGENICS INC	COM	556099109	328	25,809	SH	SOLE	1	25,809	0	0
MACY S INC	COM	55616P104	358,139	12,026,152	SH	SOLE	1	12,026,152	0	0
MADISON SQUARE GARDEN CO A	COM	55825T103	93	346	SH	SOLE	1	346	0	0
MADRIGAL PHARMACEUTICALS INC	ADR	558868105	515	4,568	SH	SOLE	1	4,568	0	0
MAGELLAN HEALTH INC	COM	559079207	1,085	19,064	SH	SOLE	1	19,064	0	0
MAGENTA THERAPEUTICS INC	COM	55910K108	15	2,547	SH	SOLE	1	2,547	0	0
MAIDEN HOLDINGS LTD	COM	G5753U112	87	52,969	SH	SOLE	1	52,969	0	0
MAJESCO	COM	56068V102	26	3,690	SH	SOLE	1	3,690	0	0
MALIBU BOATS INC A	COM	56117J100	469	13,479	SH	SOLE	1	13,479	0	0
MALLINCKRODT PLC	COM	G5785G107	3,516	222,500	SH	SOLE	1	222,500	0	0
MALVERN BANCORP INC	COM	561409103	98	4,973	SH	SOLE	1	4,973	0	0
MAMMOTH ENERGY SERVICES INC	COM	56155L108	148	8,232	SH	SOLE	1	8,232	0	0
MANHATTAN ASSOCIATES INC	COM	562750109	5,664	133,679	SH	SOLE	1	133,679	0	0
MANITEX INTERNATIONAL INC	COM	563420108	54	9,569	SH	SOLE	1	9,569	0	0
MANITOWOC COMPANY INC	COM	563571405	344	23,263	SH	SOLE	1	23,263	0	0
MANNKIND CORP	COM	56400P706	98	92,217	SH	SOLE	1	92,217	0	0
MANPOWERGROUP INC	COM	56418H100	9,480	146,298	SH	SOLE	1	146,298	0	0
MANTECH INTERNATIONAL CORP A	COM	564563104	1,075	20,549	SH	SOLE	1	20,549	0	0
MARATHON OIL CORP	COM	565849106	5,687	396,574	SH	SOLE	1	396,574	0	0
MARATHON PETROLEUM CORP	COM	56585A102	14,586	247,185	SH	SOLE	1	247,185	0	0

MARCUS (PLUS) MILLICHAP INC	COM	566324109	525	15,307	SH	SOLE	1	15,307	0	0
MARCUS CORPORATION	COM	566330106	595	15,051	SH	SOLE	1	15,051	0	0
MARINE PRODUCTS CORP	COM	568427108	84	4,950	SH	SOLE	1	4,950	0	0
MARINEMAX INC	COM	567908108	294	16,048	SH	SOLE	1	16,048	0	0
MARINUS PHARMACEUTICALS INC	COM	56854Q101	69	23,969	SH	SOLE	1	23,969	0	0
MARKEL CORP	COM	570535104	720	694	SH	SOLE	1	694	0	0
MARKETAXESS HOLDINGS INC	COM	57060D108	16,235	76,830	SH	SOLE	1	76,830	0	0
MARLIN BUSINESS SERVICES INC	COM	571157106	128	5,711	SH	SOLE	1	5,711	0	0
MARRIOTT INTERNATIONAL CL A	COM	571903202	12,504	115,180	SH	SOLE	1	115,180	0	0
MARRIOTT VACATIONS WORLD	COM	57164Y107	7,636	108,293	SH	SOLE	1	108,293	0	0
MARRONE BIO INNOVATIONS INC	COM	57165B106	53	35,915	SH	SOLE	1	35,915	0	0
MARSH (PLUS) MCLENNAN COS	COM	571748102	16,071	201,516	SH	SOLE	1	201,516	0	0
MARTEN TRANSPORT LTD	COM	573075108	491	30,304	SH	SOLE	1	30,304	0	0
MARTIN MARIETTA MATERIALS	COM	573284106	4,788	27,858	SH	SOLE	1	27,858	0	0
MARVELL TECHNOLOGY GROUP LTD	COM	G5876H105	177	10,950	SH	SOLE	1	10,950	0	0
MASCO CORP	COM	574599106	4,139	141,540	SH	SOLE	1	141,540	0	0
MASIMO CORP	COM	574795100	10,695	99,611	SH	SOLE	1	99,611	0	0
MASONITE INTERNATIONAL CORP	COM	575385109	777	17,336	SH	SOLE	1	17,336	0	0
MASTEC INC	COM	576323109	6,916	170,504	SH	SOLE	1	170,504	0	0
MASTERCARD INC A	COM	57636Q104	66,999	355,151	SH	SOLE	1	355,151	0	0
MASTERCRAFT BOAT HOLDINGS IN	COM	57637H103	227	12,139	SH	SOLE	1	12,139	0	0
MATADOR RESOURCES CO	COM	576485205	4,326	278,559	SH	SOLE	1	278,559	0	0
MATCH GROUP INC	COM	57665R106	53	1,249	SH	SOLE	1	1,249	0	0
MATERION CORP	COM	576690101	703	15,629	SH	SOLE	1	15,629	0	0
MATRIX SERVICE CO	COM	576853105	370	20,616	SH	SOLE	1	20,616	0	0
MATSON INC	COM	57686G105	1,054	32,926	SH	SOLE	1	32,926	0	0
MATTEL INC	COM	577081102	1,341	134,205	SH	SOLE	1	134,205	0	0
MATTHEWS INTL CORP CLASS A	COM	577128101	988	24,322	SH	SOLE	1	24,322	0	0
MAUI LAND (PLUS) PINEAPPLE CO	COM	577345101	44	4,465	SH	SOLE	1	4,465	0	0
MAXAR TECHNOLOGIES LTD	COM	57778L103	446	37,302	SH	SOLE	1	37,302	0	0
MAXIM INTEGRATED PRODUCTS	COM	57772K101	388,398	7,638,121	SH	SOLE	1	7,638,121	0	0
MAXIMUS INC	COM	577933104	11,171	171,623	SH	SOLE	1	171,623	0	0
MAXLINEAR INC	COM	57776J100	864	49,064	SH	SOLE	1	49,064	0	0
MAXWELL TECHNOLOGIES INC	COM	577767106	56	26,967	SH	SOLE	1	26,967	0	0
MB FINANCIAL INC	COM	55264U108	8,911	224,858	SH	SOLE	1	224,858	0	0
MBIA INC	COM	55262C100	520	58,279	SH	SOLE	1	58,279	0	0
MBT FINANCIAL CORP	COM	578877102	110	11,775	SH	SOLE	1	11,775	0	0

MCCORMICK (PLUS) CO NON VTG SHRS	COM	579780206	7,064	50,730 SH	SOLE	1	50,730	0	0
MCDERMOTT INTL INC	COM	580037703	3,159	482,955 SH	SOLE	1	482,955	0	0
MCDONALD S CORP	COM	580135101	476,489	2,683,386 SH	SOLE	1	2,683,386	0	0
MCGRATH RENTCORP	COM	580589109	817	15,874 SH	SOLE	1	15,874	0	0
MCKESSON CORP	COM	58155Q103	7,308	66,150 SH	SOLE	1	66,150	0	0
MDC HOLDINGS INC	COM	552676108	989	35,185 SH	SOLE	1	35,185	0	0
MDC PARTNERS INC A	COM	552697104	96	36,776 SH	SOLE	1	36,776	0	0
MDU RESOURCES GROUP INC	COM	552690109	9,524	399,505 SH	SOLE	1	399,505	0	0
MEDEQUITIES REALTY TRUST INC	COM	58409L306	129	18,841 SH	SOLE	1	18,841	0	0
MEDICAL PROPERTIES TRUST INC	COM	58463J304	11,961	743,817 SH	SOLE	1	743,817	0	0
MEDICINES COMPANY	COM	584688105	1,016	53,060 SH	SOLE	1	53,060	0	0
MEDICINOVA INC	COM	58468P206	214	26,242 SH	SOLE	1	26,242	0	0
MEDIDATA SOLUTIONS INC	COM	58471A105	10,897	161,630 SH	SOLE	1	161,630	0	0
MEDIFAST INC	COM	58470H101	1,138	9,106 SH	SOLE	1	9,106	0	0
MEDNAX INC	COM	58502B106	6,014	182,239 SH	SOLE	1	182,239	0	0
MEDPACE HOLDINGS INC	COM	58506Q109	757	14,308 SH	SOLE	1	14,308	0	0
MEDTRONIC PLC	COM	G5960L103	40,014	439,904 SH	SOLE	1	439,904	0	0
MEET GROUP INC/THE	COM	58513U101	212	45,872 SH	SOLE	1	45,872	0	0
MEIRAGTX HOLDINGS PLC	COM	G59665102	23	2,435 SH	SOLE	1	2,435	0	0
MELCO RESORTS (PLUS) ENTERT ADR	ADR	585464100	479	27,194 SH	SOLE	1	27,194	0	0
MELINTA THERAPEUTICS INC	COM	58549G100	18	22,864 SH	SOLE	1	22,864	0	0
MENLO THERAPEUTICS INC	COM	586858102	26	6,335 SH	SOLE	1	6,335	0	0
MERCADOLIBRE INC	COM	58733R102	966	3,300 SH	SOLE	1	3,300	0	0
MERCANTILE BANK CORP	COM	587376104	302	10,686 SH	SOLE	1	10,686	0	0
MERCHANTS BANCORP/IN	COM	58844R108	212	10,608 SH	SOLE	1	10,608	0	0
MERCK (PLUS) CO. INC.	COM	58933Y105	77,482	1,014,024 SH	SOLE	1	1,014,024	0	0
MERCURY GENERAL CORP	COM	589400100	4,048	78,281 SH	SOLE	1	78,281	0	0
MERCURY SYSTEMS INC	COM	589378108	1,733	36,641 SH	SOLE	1	36,641	0	0
MEREDITH CORP	COM	589433101	5,533	106,533 SH	SOLE	1	106,533	0	0
MERIDIAN BANCORP INC	COM	58958U103	453	31,650 SH	SOLE	1	31,650	0	0
MERIDIAN BIOSCIENCE INC	COM	589584101	562	32,347 SH	SOLE	1	32,347	0	0
MERIT MEDICAL SYSTEMS INC	COM	589889104	2,319	41,554 SH	SOLE	1	41,554	0	0
MERITAGE HOMES CORP	COM	59001A102	1,084	29,516 SH	SOLE	1	29,516	0	0
MERITOR INC	COM	59001K100	906	53,570 SH	SOLE	1	53,570	0	0
MERSANA THERAPEUTICS INC	COM	59045L106	34	8,291 SH	SOLE	1	8,291	0	0
MESA AIR GROUP INC	COM	590479135	57	7,360 SH	SOLE	1	7,360	0	0
MESA LABORATORIES INC	COM	59064R109	461	2,214 SH	SOLE	1	2,214	0	0
META FINANCIAL GROUP INC	COM	59100U108	420	21,637 SH	SOLE	1	21,637	0	0
METHODE ELECTRONICS INC	COM	591520200	654	28,084 SH	SOLE	1	28,084	0	0

METLIFE INC	COM	59156R108	13,719	334,127	SH	SOLE	1	334,127	0	0
METROPOLITAN BANK HOLDING CO	COM	591774104	132	4,292	SH	SOLE	1	4,292	0	0
METTLER TOLEDO INTERNATIONAL	COM	592688105	5,779	10,218	SH	SOLE	1	10,218	0	0
MFA FINANCIAL INC	COM	55272X102	54	8,100	SH	SOLE	1	8,100	0	0
MGE ENERGY INC	COM	55277P104	1,379	22,993	SH	SOLE	1	22,993	0	0
MGIC INVESTMENT CORP	COM	552848103	2,492	238,238	SH	SOLE	1	238,238	0	0
MGM RESORTS INTERNATIONAL	COM	552953101	4,338	178,812	SH	SOLE	1	178,812	0	0
MGP INGREDIENTS INC	COM	55303J106	582	10,196	SH	SOLE	1	10,196	0	0
MICHAEL KORS HOLDINGS LTD	COM	G60754101	2,438	64,305	SH	SOLE	1	64,305	0	0
MICHAELS COS INC/THE	COM	59408Q106	2,487	183,661	SH	SOLE	1	183,661	0	0
MICROCHIP TECHNOLOGY INC	COM	595017104	7,195	100,035	SH	SOLE	1	100,035	0	0
MICRON TECHNOLOGY INC	ADR	595112103	15,833	498,998	SH	SOLE	1	498,998	0	0
MICROSOFT CORP	COM	594918104	337,124	3,319,129	SH	SOLE	1	3,319,129	0	0
MICROSTRATEGY INC CLASS A	COM	594972408	940	7,362	SH	SOLE	1	7,362	0	0
MID AMERICA APARTMENT COMM	COM	59522J103	3,982	41,605	SH	SOLE	1	41,605	0	0
MID PENN BANCORP INC	COM	59540G107	71	3,096	SH	SOLE	1	3,096	0	0
MIDDLEBY CORP	COM	596278101	122	1,187	SH	SOLE	1	1,187	0	0
MIDDLEFIELD BANC CORP	COM	596304204	85	2,004	SH	SOLE	1	2,004	0	0
MIDDLESEX WATER CO	COM	596680108	559	10,484	SH	SOLE	1	10,484	0	0
MIDLAND STATES BANCORP INC	COM	597742105	310	13,889	SH	SOLE	1	13,889	0	0
MIDSOUTH BANCORP INC	COM	598039105	104	9,847	SH	SOLE	1	9,847	0	0
MIDSTATES PETROLEUM CO INC	COM	59804T407	74	9,868	SH	SOLE	1	9,868	0	0
MIDWESTONE FINANCIAL GROUP I	COM	598511103	182	7,346	SH	SOLE	1	7,346	0	0
MILACRON HOLDINGS CORP	COM	59870L106	543	45,662	SH	SOLE	1	45,662	0	0
MILLER INDUSTRIES INC/TENN	COM	600551204	196	7,268	SH	SOLE	1	7,268	0	0
MINDBODY INC CLASS A	COM	60255W105	1,044	28,693	SH	SOLE	1	28,693	0	0
MINERALS TECHNOLOGIES INC	COM	603158106	4,853	94,536	SH	SOLE	1	94,536	0	0
MINERVA NEUROSCIENCES INC	COM	603380106	136	20,153	SH	SOLE	1	20,153	0	0
MIRAGEN THERAPEUTICS INC	COM	60463E103	52	17,114	SH	SOLE	1	17,114	0	0
MIRATI THERAPEUTICS INC	COM	60468T105	563	13,281	SH	SOLE	1	13,281	0	0
MISTRAS GROUP INC	COM	60649T107	166	11,527	SH	SOLE	1	11,527	0	0
MITEK SYSTEMS INC	COM	606710200	233	21,544	SH	SOLE	1	21,544	0	0
MKS INSTRUMENTS INC	COM	55306N104	7,131	110,368	SH	SOLE	1	110,368	0	0
MOBILE MINI INC	COM	60740F105	1,096	34,521	SH	SOLE	1	34,521	0	0
MOBILE TELESYSTEMS SP ADR	ADR	607409109	59	8,395	SH	SOLE	1	8,395	0	0
MOBILEIRON INC	COM	60739U204	225	49,004	SH	SOLE	1	49,004	0	0
MODEL N INC	COM	607525102	225	16,989	SH	SOLE	1	16,989	0	0

MODINE MANUFACTURING CO	COM	607828100	353	32,619	SH	SOLE	1	32,619	0	0
MOELIS (PLUS) CO CLASS A	COM	60786M105	1,010	29,366	SH	SOLE	1	29,366	0	0
MOHAWK INDUSTRIES INC	COM	608190104	2,629	22,482	SH	SOLE	1	22,482	0	0
MOLECULAR TEMPLATES INC	COM	608550109	32	8,022	SH	SOLE	1	8,022	0	0
MOLINA HEALTHCARE INC	COM	60855R100	14,816	127,479	SH	SOLE	1	127,479	0	0
MOLSON COORS BREWING CO B	COM	60871R209	3,738	66,565	SH	SOLE	1	66,565	0	0
MOMENTA PHARMACEUTICALS INC	COM	60877T100	689	62,451	SH	SOLE	1	62,451	0	0
MOMO INC SPON ADR	ADR	60879B107	42	1,780	SH	SOLE	1	1,780	0	0
MONARCH CASINO (PLUS) RESORT INC	COM	609027107	337	8,835	SH	SOLE	1	8,835	0	0
MONDELEZ INTERNATIONAL INC A	COM	609207105	23,800	594,547	SH	SOLE	1	594,547	0	0
MONEYGRAM INTERNATIONAL INC	COM	60935Y208	41	20,329	SH	SOLE	1	20,329	0	0
MONMOUTH REAL ESTATE INV COR	COM	609720107	713	57,461	SH	SOLE	1	57,461	0	0
MONOLITHIC POWER SYSTEMS INC	COM	609839105	9,278	79,809	SH	SOLE	1	79,809	0	0
MONOTYPE IMAGING HOLDINGS IN	COM	61022P100	493	31,765	SH	SOLE	1	31,765	0	0
MONRO INC	COM	610236101	1,708	24,849	SH	SOLE	1	24,849	0	0
MONSTER BEVERAGE CORP	COM	61174X109	9,602	195,080	SH	SOLE	1	195,080	0	0
MOODY S CORP	COM	615369105	9,526	68,022	SH	SOLE	1	68,022	0	0
MOOG INC CLASS A	COM	615394202	1,934	24,961	SH	SOLE	1	24,961	0	0
MORGAN STANLEY	COM	617446448	17,551	442,637	SH	SOLE	1	442,637	0	0
MORNINGSTAR INC	COM	617700109	48	439	SH	SOLE	1	439	0	0
MOSAIC CO/THE	COM	61945C103	4,295	147,026	SH	SOLE	1	147,026	0	0
MOTORCAR PARTS OF AMERICA IN	COM	620071100	246	14,755	SH	SOLE	1	14,755	0	0
MOTOROLA SOLUTIONS INC	COM	620076307	7,054	61,314	SH	SOLE	1	61,314	0	0
MOVADO GROUP INC	COM	624580106	389	12,301	SH	SOLE	1	12,301	0	0
MR COOPER GROUP INC	COM	62482R107	572	48,989	SH	SOLE	1	48,989	0	0
MRC GLOBAL INC	COM	55345K103	677	55,343	SH	SOLE	1	55,343	0	0
MSA SAFETY INC	COM	553498106	8,783	93,165	SH	SOLE	1	93,165	0	0
MSC INDUSTRIAL DIRECT CO A	COM	553530106	8,101	105,311	SH	SOLE	1	105,311	0	0
MSCI INC	ADR	55354G100	5,320	36,088	SH	SOLE	1	36,088	0	0
MSG NETWORKS INC A	COM	553573106	918	38,967	SH	SOLE	1	38,967	0	0
MTS SYSTEMS CORP	COM	553777103	557	13,871	SH	SOLE	1	13,871	0	0
MUELLER INDUSTRIES INC	COM	624756102	1,031	44,120	SH	SOLE	1	44,120	0	0
MUELLER WATER PRODUCTS INC A	COM	624758108	927	101,863	SH	SOLE	1	101,863	0	0
MULTI COLOR CORP	COM	625383104	378	10,777	SH	SOLE	1	10,777	0	0
MURPHY OIL CORP	COM	626717102	7,756	331,598	SH	SOLE	1	331,598	0	0
MURPHY USA INC	COM	626755102	6,160	80,382	SH	SOLE	1	80,382	0	0
MUSTANG BIO INC	COM	62818Q104	31	10,628	SH	SOLE	1	10,628	0	0

MUTUALFIRST FINANCIAL INC	COM	62845B104	102	3,848	SH	SOLE	1	3,848	0	0
MVB FINANCIAL CORP	ADR	553810102	102	5,639	SH	SOLE	1	5,639	0	0
MYERS INDUSTRIES INC	COM	628464109	413	27,341	SH	SOLE	1	27,341	0	0
MYLAN NV	COM	N59465109	5,892	215,039	SH	SOLE	1	215,039	0	0
MYOKARDIA INC	COM	62857M105	1,094	22,398	SH	SOLE	1	22,398	0	0
MYR GROUP INC/DELAWARE	COM	55405W104	353	12,547	SH	SOLE	1	12,547	0	0
MYRIAD GENETICS INC	COM	62855J104	1,599	54,995	SH	SOLE	1	54,995	0	0
N B T BANCORP INC	COM	628778102	1,149	33,205	SH	SOLE	1	33,205	0	0
NABORS INDUSTRIES LTD	COM	G6359F103	1,401	700,253	SH	SOLE	1	700,253	0	0
NACCO INDUSTRIES CL A	COM	629579103	84	2,481	SH	SOLE	1	2,481	0	0
NANOMETRICS INC	COM	630077105	488	17,853	SH	SOLE	1	17,853	0	0
NANOSTRING TECHNOLOGIES INC	COM	63009R109	246	16,559	SH	SOLE	1	16,559	0	0
NANTHEALTH INC	COM	630104107	7	13,460	SH	SOLE	1	13,460	0	0
NANTKWEST INC	COM	63016Q102	22	18,567	SH	SOLE	1	18,567	0	0
NAPCO SECURITY TECHNOLOGIES	COM	630402105	123	7,805	SH	SOLE	1	7,805	0	0
NASDAQ INC	COM	631103108	3,817	46,798	SH	SOLE	1	46,798	0	0
NATERA INC	COM	632307104	303	21,671	SH	SOLE	1	21,671	0	0
NATHAN S FAMOUS INC	COM	632347100	125	1,880	SH	SOLE	1	1,880	0	0
NATIONAL BANK HOLD CL A	COM	633707104	678	21,976	SH	SOLE	1	21,976	0	0
NATIONAL BANKSHARES INC/VA	COM	634865109	162	4,451	SH	SOLE	1	4,451	0	0
NATIONAL BEVERAGE CORP	COM	635017106	556	7,745	SH	SOLE	1	7,745	0	0
NATIONAL CINEMEDIA INC	COM	635309107	329	50,797	SH	SOLE	1	50,797	0	0
NATIONAL COMMERCE CORP	COM	63546L102	423	11,739	SH	SOLE	1	11,739	0	0
NATIONAL FUEL GAS CO	COM	636180101	8,963	175,133	SH	SOLE	1	175,133	0	0
NATIONAL GENERAL HLDGS	COM	636220303	1,030	42,562	SH	SOLE	1	42,562	0	0
NATIONAL HEALTHCARE CORP	COM	635906100	627	7,988	SH	SOLE	1	7,988	0	0
NATIONAL INSTRUMENTS CORP	COM	636518102	10,435	229,950	SH	SOLE	1	229,950	0	0
NATIONAL OILWELL VARCO INC	COM	637071101	4,326	168,337	SH	SOLE	1	168,337	0	0
NATIONAL PRESTO INDS INC	COM	637215104	451	3,860	SH	SOLE	1	3,860	0	0
NATIONAL RESEARCH CORP	COM	637372202	277	7,263	SH	SOLE	1	7,263	0	0
NATIONAL RETAIL PROPERTIES	COM	637417106	15,736	324,381	SH	SOLE	1	324,381	0	0
NATIONAL STORAGE AFFILIATES	COM	637870106	1,163	43,942	SH	SOLE	1	43,942	0	0
NATIONAL VISION HOLDINGS INC	COM	63845R107	1,166	41,376	SH	SOLE	1	41,376	0	0
NATIONAL WESTERN LIFE GROU A	COM	638517102	452	1,502	SH	SOLE	1	1,502	0	0
NATL HEALTH INVESTORS INC	COM	63633D104	2,034	26,929	SH	SOLE	1	26,929	0	0
NATURAL GAS SERVICES GROUP	COM	63886Q109	135	8,217	SH	SOLE	1	8,217	0	0

NATURAL GROCERS BY VITAMIN C	COM	63888U108	91	5,940	SH	SOLE	1	5,940	0	0
NATURAL HEALTH TRENDS CORP	COM	63888P406	90	4,849	SH	SOLE	1	4,849	0	0
NATURES SUNSHINE PRODS INC	COM	639027101	46	5,613	SH	SOLE	1	5,613	0	0
NATUS MEDICAL INC	COM	639050103	868	25,504	SH	SOLE	1	25,504	0	0
NAUTILUS INC	COM	63910B102	253	23,182	SH	SOLE	1	23,182	0	0
NAVIENT CORP	COM	63938C108	4,128	468,547	SH	SOLE	1	468,547	0	0
NAVIGANT CONSULTING INC	COM	63935N107	790	32,848	SH	SOLE	1	32,848	0	0
NAVIGATORS GROUP INC	COM	638904102	1,138	16,374	SH	SOLE	1	16,374	0	0
NAVISTAR INTERNATIONAL CORP	COM	63934E108	841	32,400	SH	SOLE	1	32,400	0	0
NCI BUILDING SYSTEMS INC	COM	628852204	203	28,065	SH	SOLE	1	28,065	0	0
NCR CORPORATION	COM	62886E108	5,574	241,509	SH	SOLE	1	241,509	0	0
NCS MULTISTAGE HOLDINGS INC	COM	628877102	33	6,438	SH	SOLE	1	6,438	0	0
NEENAH INC	COM	640079109	764	12,968	SH	SOLE	1	12,968	0	0
NEKTAR THERAPEUTICS	COM	640268108	2,349	71,470	SH	SOLE	1	71,470	0	0
NELNET INC CL A	COM	64031N108	641	12,251	SH	SOLE	1	12,251	0	0
NEOGEN CORP	COM	640491106	2,236	39,229	SH	SOLE	1	39,229	0	0
NEOGENOMICS INC	COM	64049M209	536	42,515	SH	SOLE	1	42,515	0	0
NEON THERAPEUTICS INC	COM	64050Y100	21	4,154	SH	SOLE	1	4,154	0	0
NEOPHOTONICS CORP	COM	64051T100	150	23,137	SH	SOLE	1	23,137	0	0
NEOS THERAPEUTICS INC	COM	64052L106	51	30,814	SH	SOLE	1	30,814	0	0
NETAPP INC	COM	64110D104	6,809	114,110	SH	SOLE	1	114,110	0	0
NETEASE INC ADR	ADR	64110W102	1,363	5,793	SH	SOLE	1	5,793	0	0
NETFLIX INC	COM	64110L106	51,479	192,331	SH	SOLE	1	192,331	0	0
NETGEAR INC	COM	64111Q104	1,263	24,284	SH	SOLE	1	24,284	0	0
NETSCOUT SYSTEMS INC	COM	64115T104	4,506	190,670	SH	SOLE	1	190,670	0	0
NEUROCRINE BIOSCIENCES INC	COM	64125C109	154	2,154	SH	SOLE	1	2,154	0	0
NEURONETICS INC	COM	64131A105	81	4,204	SH	SOLE	1	4,204	0	0
NEVRO CORP	COM	64157F103	745	19,165	SH	SOLE	1	19,165	0	0
NEW HOME CO INC/THE	COM	645370107	45	8,525	SH	SOLE	1	8,525	0	0
NEW JERSEY RESOURCES CORP	COM	646025106	10,789	236,238	SH	SOLE	1	236,238	0	0
NEW MEDIA INVESTMENT GROUP	COM	64704V106	528	45,656	SH	SOLE	1	45,656	0	0
NEW ORIENTAL EDUCATIO SP ADR	ADR	647581107	126	2,301	SH	SOLE	1	2,301	0	0
NEW RELIC INC	COM	64829B100	2,405	29,702	SH	SOLE	1	29,702	0	0
NEW RESIDENTIAL INVESTMENT	COM	64828T201	94	6,616	SH	SOLE	1	6,616	0	0
NEW SENIOR INVESTMENT GROUP	COM	648691103	202	49,145	SH	SOLE	1	49,145	0	0
NEW YORK COMMUNITY BANCORP	COM	649445103	9,516	1,011,274	SH	SOLE	1	1,011,274	0	0
NEW YORK MORTGAGE TRUST INC	COM	649604501	711	120,718	SH	SOLE	1	120,718	0	0
NEW YORK TIMES CO A	COM	650111107	8,285	371,693	SH	SOLE	1	371,693	0	0

NEWELL BRANDS INC	COM	651229106	4,406	236,987	SH	SOLE	1	236,987	0	0
NEWFIELD EXPLORATION CO	COM	651290108	1,328	90,594	SH	SOLE	1	90,594	0	0
NEWLINK GENETICS CORP	COM	651511107	29	19,164	SH	SOLE	1	19,164	0	0
NEWMARK GROUP INC W/I	COM	65158N102	789	98,367	SH	SOLE	1	98,367	0	0
NEWMARKET CORP	COM	651587107	7,481	18,154	SH	SOLE	1	18,154	0	0
NEWMONT MINING CORP	COM	651639106	6,586	190,083	SH	SOLE	1	190,083	0	0
NEWPARK RESOURCES INC	COM	651718504	477	69,389	SH	SOLE	1	69,389	0	0
NEWS CORP CLASS A	COM	65249B109	3,511	309,329	SH	SOLE	1	309,329	0	0
NEWS CORP CLASS B	COM	65249B208	509	44,105	SH	SOLE	1	44,105	0	0
NEXEO SOLUTIONS INC	COM	65342H102	185	21,587	SH	SOLE	1	21,587	0	0
NEXPOINT RESIDENTIAL	COM	65341D102	425	12,122	SH	SOLE	1	12,122	0	0
NEXSTAR MEDIA GROUP INC CL A	COM	65336K103	2,319	29,486	SH	SOLE	1	29,486	0	0
NEXTDECADE CORP	COM	65342K105	28	5,150	SH	SOLE	1	5,150	0	0
NEXTERA ENERGY INC	COM	65339F101	27,211	156,548	SH	SOLE	1	156,548	0	0
NEXTGEN HEALTHCARE INC	ADR	65343C102	624	41,159	SH	SOLE	1	41,159	0	0
NI HOLDINGS INC	COM	65342T106	101	6,393	SH	SOLE	1	6,393	0	0
NIC INC	COM	62914B100	627	50,217	SH	SOLE	1	50,217	0	0
NICOLET BANKSHARES INC	COM	65406E102	267	5,477	SH	SOLE	1	5,477	0	0
NIELSEN HOLDINGS PLC	COM	G6518L108	15,986	685,203	SH	SOLE	1	685,203	0	0
NII HOLDINGS INC	COM	62913F508	258	58,474	SH	SOLE	1	58,474	0	0
NIKE INC CL B	COM	654106103	31,426	423,870	SH	SOLE	1	423,870	0	0
NINE ENERGY SERVICE INC	COM	65441V101	220	9,779	SH	SOLE	1	9,779	0	0
NISOURCE INC	COM	65473P105	4,185	165,079	SH	SOLE	1	165,079	0	0
NL INDUSTRIES	COM	629156407	19	5,498	SH	SOLE	1	5,498	0	0
NLIGHT INC	ADR	65487K100	266	14,961	SH	SOLE	1	14,961	0	0
NMI HOLDINGS INC CLASS A	COM	629209305	879	49,240	SH	SOLE	1	49,240	0	0
NN INC	COM	629337106	186	27,728	SH	SOLE	1	27,728	0	0
NOBLE CORP PLC	COM	G65431101	502	191,499	SH	SOLE	1	191,499	0	0
NOBLE ENERGY INC	COM	655044105	4,083	217,661	SH	SOLE	1	217,661	0	0
NOODLES (PLUS) CO	COM	65540B105	64	9,223	SH	SOLE	1	9,223	0	0
NORDIC AMERICAN TANKERS LTD	COM	G65773106	185	92,357	SH	SOLE	1	92,357	0	0
NORDSON CORP	COM	655663102	12,782	107,100	SH	SOLE	1	107,100	0	0
NORDSTROM INC	COM	655664100	2,952	63,332	SH	SOLE	1	63,332	0	0
NORFOLK SOUTHERN CORP	COM	655844108	15,250	101,978	SH	SOLE	1	101,978	0	0
NORTHEAST BANCORP	COM	663904209	83	4,981	SH	SOLE	1	4,981	0	0
NORTHERN OIL AND GAS INC	COM	665531109	289	128,042	SH	SOLE	1	128,042	0	0
NORTHERN TRUST CORP	COM	665859104	7,957	95,191	SH	SOLE	1	95,191	0	0
NORTHFIELD BANCORP INC	COM	66611T108	463	34,141	SH	SOLE	1	34,141	0	0
NORTHRIM BANCORP INC	COM	666762109	147	4,469	SH	SOLE	1	4,469	0	0
NORTHROP GRUMMAN CORP	COM	666807102	14,396	58,785	SH	SOLE	1	58,785	0	0

NORTHSTAR REALTY EUROPE CORP	COM	66706L101	428	29,420	SH	SOLE	1	29,420	0	0
NORTHWEST BANCSHARES INC	COM	667340103	1,273	75,166	SH	SOLE	1	75,166	0	0
NORTHWEST NATURAL HOLDING CO	COM	66765N105	1,345	22,243	SH	SOLE	1	22,243	0	0
NORTHWEST PIPE CO	COM	667746101	146	6,289	SH	SOLE	1	6,289	0	0
NORTHWESTERN CORP	COM	668074305	8,021	134,941	SH	SOLE	1	134,941	0	0
NORWEGIAN CRUISE LINE HOLDIN	COM	G66721104	3,327	78,486	SH	SOLE	1	78,486	0	0
NORWOOD FINANCIAL CORP	COM	669549107	125	3,785	SH	SOLE	1	3,785	0	0
NOVANTA INC	COM	67000B104	1,359	21,564	SH	SOLE	1	21,564	0	0
NOVAVAX INC	COM	670002104	462	250,973	SH	SOLE	1	250,973	0	0
NOVOCURE LTD	COM	G6674U108	1,622	48,452	SH	SOLE	1	48,452	0	0
NOW INC	COM	67011P100	3,376	290,067	SH	SOLE	1	290,067	0	0
NRG ENERGY INC	COM	629377508	4,898	123,694	SH	SOLE	1	123,694	0	0
NU SKIN ENTERPRISES INC A	COM	67018T105	6,950	113,316	SH	SOLE	1	113,316	0	0
NUANCE COMMUNICATIONS INC	COM	67020Y100	69	5,208	SH	SOLE	1	5,208	0	0
NUCOR CORP	COM	670346105	11,808	227,910	SH	SOLE	1	227,910	0	0
NUTANIX INC A	COM	67059N108	141	3,386	SH	SOLE	1	3,386	0	0
NUTRISYSTEM INC	COM	67069D108	1,004	22,891	SH	SOLE	1	22,891	0	0
NUVASIVE INC	COM	670704105	6,826	137,737	SH	SOLE	1	137,737	0	0
NUVECTRA CORP	COM	67075N108	186	11,394	SH	SOLE	1	11,394	0	0
NUVERRA ENVIRONMENTAL SOLUTI	COM	67091K302	7	838	SH	SOLE	1	838	0	0
NV5 GLOBAL INC	COM	62945V109	374	6,173	SH	SOLE	1	6,173	0	0
NVE CORP	COM	629445206	275	3,141	SH	SOLE	1	3,141	0	0
NVENT ELECTRIC PLC	COM	G6700G107	7,474	332,763	SH	SOLE	1	332,763	0	0
NVIDIA CORP	COM	67066G104	35,489	265,835	SH	SOLE	1	265,835	0	0
NVR INC	COM	62944T105	16,918	6,942	SH	SOLE	1	6,942	0	0
NXP SEMICONDUCTORS NV	COM	N6596X109	4,433	60,488	SH	SOLE	1	60,488	0	0
NXSTAGE MEDICAL INC	COM	67072V103	1,243	43,417	SH	SOLE	1	43,417	0	0
NYMOX PHARMACEUTICAL CORP	COM	P73398102	28	21,317	SH	SOLE	1	21,317	0	0
O REILLY AUTOMOTIVE INC	COM	67103H107	12,745	37,013	SH	SOLE	1	37,013	0	0
OAK VALLEY BANCORP	COM	671807105	84	4,565	SH	SOLE	1	4,565	0	0
OASIS PETROLEUM INC	COM	674215108	3,970	717,819	SH	SOLE	1	717,819	0	0
OCCIDENTAL PETROLEUM CORP	COM	674599105	19,412	316,255	SH	SOLE	1	316,255	0	0
OCEANEERING INTL INC	COM	675232102	3,196	264,163	SH	SOLE	1	264,163	0	0
OCEANFIRST FINANCIAL CORP	COM	675234108	704	31,275	SH	SOLE	1	31,275	0	0
OCONEE FEDERAL FINANCIAL COR	COM	675607105	30	1,193	SH	SOLE	1	1,193	0	0
OCULAR THERAPEUTIX INC	COM	67576A100	87	21,983	SH	SOLE	1	21,983	0	0
OCWEN FINANCIAL CORP	COM	675746309	104	77,375	SH	SOLE	1	77,375	0	0
ODONATE THERAPEUTICS INC	COM	676079106	63	4,465	SH	SOLE	1	4,465	0	0

OFFICE DEPOT INC	COM	676220106	1,092	423,181	SH	SOLE	1	423,181	0	0
OFG BANCORP	COM	67103X102	554	33,653	SH	SOLE	1	33,653	0	0
OGE ENERGY CORP	COM	670837103	16,214	413,724	SH	SOLE	1	413,724	0	0
OHIO VALLEY BANC CORP	COM	677719106	96	2,702	SH	SOLE	1	2,702	0	0
OIL DRI CORP OF AMERICA	COM	677864100	88	3,307	SH	SOLE	1	3,307	0	0
OIL STATES INTERNATIONAL INC	COM	678026105	661	46,320	SH	SOLE	1	46,320	0	0
OKTA INC	COM	679295105	132	2,072	SH	SOLE	1	2,072	0	0
OLD DOMINION FREIGHT LINE	COM	679580100	16,512	133,711	SH	SOLE	1	133,711	0	0
OLD LINE BANCSHARES INC	COM	67984M100	272	10,316	SH	SOLE	1	10,316	0	0
OLD NATIONAL BANCORP	COM	680033107	1,806	117,248	SH	SOLE	1	117,248	0	0
OLD REPUBLIC INTL CORP	COM	680223104	11,927	579,839	SH	SOLE	1	579,839	0	0
OLD SECOND BANCORP INC	COM	680277100	249	19,118	SH	SOLE	1	19,118	0	0
OLIN CORP	COM	680665205	6,839	340,058	SH	SOLE	1	340,058	0	0
OLLIE S BARGAIN OUTLET HOLDI	COM	681116109	9,105	136,901	SH	SOLE	1	136,901	0	0
OLYMPIC STEEL INC	COM	68162K106	102	7,140	SH	SOLE	1	7,140	0	0
OMEGA FLEX INC	COM	682095104	104	1,917	SH	SOLE	1	1,917	0	0
OMEGA HEALTHCARE INVESTORS	COM	681936100	14,381	409,146	SH	SOLE	1	409,146	0	0
OMEROS CORP	COM	682143102	336	30,168	SH	SOLE	1	30,168	0	0
OMNICELL INC	COM	68213N109	1,848	30,170	SH	SOLE	1	30,170	0	0
OMNICOM GROUP	COM	681919106	416,263	5,683,553	SH	SOLE	1	5,683,553	0	0
OMNOVA SOLUTIONS INC	COM	682129101	211	28,826	SH	SOLE	1	28,826	0	0
ON DECK CAPITAL INC	COM	682163100	198	33,625	SH	SOLE	1	33,625	0	0
ON SEMICONDUCTOR CORP	COM	682189105	167	10,088	SH	SOLE	1	10,088	0	0
ONE GAS INC	COM	68235P108	11,179	140,440	SH	SOLE	1	140,440	0	0
ONE LIBERTY PROPERTIES INC	COM	682406103	239	9,857	SH	SOLE	1	9,857	0	0
ONEMAIN HOLDINGS INC	COM	68268W103	34	1,417	SH	SOLE	1	1,417	0	0
ONEOK INC	COM	682680103	10,544	195,436	SH	SOLE	1	195,436	0	0
ONESPAN INC	COM	68287N100	317	24,449	SH	SOLE	1	24,449	0	0
OOMA INC	COM	683416101	170	12,217	SH	SOLE	1	12,217	0	0
OP BANCORP	COM	67109R109	74	8,316	SH	SOLE	1	8,316	0	0
OPKO HEALTH INC	COM	68375N103	637	211,780	SH	SOLE	1	211,780	0	0
OPPENHEIMER HOLDINGS CL A	COM	683797104	163	6,364	SH	SOLE	1	6,364	0	0
OPTINOSE INC	COM	68404V100	78	12,636	SH	SOLE	1	12,636	0	0
OPUS BANK	COM	684000102	304	15,527	SH	SOLE	1	15,527	0	0
ORACLE CORP	COM	68389X105	50,100	1,109,631	SH	SOLE	1	1,109,631	0	0
ORASURE TECHNOLOGIES INC	COM	68554V108	547	46,830	SH	SOLE	1	46,830	0	0
ORBCOMM INC	COM	68555P100	398	48,172	SH	SOLE	1	48,172	0	0
ORCHID ISLAND CAPITAL INC	COM	68571X103	220	34,462	SH	SOLE	1	34,462	0	0
ORGANOVO HOLDINGS INC	COM	68620A104	72	75,103	SH	SOLE	1	75,103	0	0
ORIGIN BANCORP INC	COM	68621T102	392	11,497	SH	SOLE	1	11,497	0	0

ORION GROUP HOLDINGS INC	COM	68628V308	94	21,933	SH	SOLE	1	21,933	0	0
ORITANI FINANCIAL CORP	COM	68633D103	457	30,983	SH	SOLE	1	30,983	0	0
ORMAT TECHNOLOGIES INC	COM	686688102	1,371	26,213	SH	SOLE	1	26,213	0	0
ORRSTOWN FINL SERVICES INC	COM	687380105	89	4,895	SH	SOLE	1	4,895	0	0
ORTHOFIX MEDICAL INC	COM	68752M108	721	13,741	SH	SOLE	1	13,741	0	0
ORTHOPEDIATRICS CORP	COM	68752L100	159	4,560	SH	SOLE	1	4,560	0	0
OSHKOSH CORP	COM	688239201	8,986	146,571	SH	SOLE	1	146,571	0	0
OSI SYSTEMS INC	COM	671044105	957	13,052	SH	SOLE	1	13,052	0	0
OSMOTICA PHARMACEUTICALS PLC	COM	G6S41R101	50	6,420	SH	SOLE	1	6,420	0	0
OTTER TAIL CORP	COM	689648103	1,288	25,945	SH	SOLE	1	25,945	0	0
OUTFRONT MEDIA INC	COM	69007J106	46	2,512	SH	SOLE	1	2,512	0	0
OVERSEAS SHIPHOLDING GROUP A	COM	69036R863	62	37,532	SH	SOLE	1	37,532	0	0
OVERSTOCK.COM INC	COM	690370101	206	15,178	SH	SOLE	1	15,178	0	0
OVID THERAPEUTICS INC	COM	690469101	21	8,674	SH	SOLE	1	8,674	0	0
OWENS (PLUS) MINOR INC	COM	690732102	301	47,546	SH	SOLE	1	47,546	0	0
OWENS CORNING	COM	690742101	87	1,987	SH	SOLE	1	1,987	0	0
OWENS ILLINOIS INC	COM	690768403	5,578	323,529	SH	SOLE	1	323,529	0	0
OXFORD IMMUNOTEC GLOBAL PLC	COM	G6855A103	214	16,708	SH	SOLE	1	16,708	0	0
OXFORD INDUSTRIES INC	COM	691497309	925	13,019	SH	SOLE	1	13,019	0	0
P G (PLUS) E CORP	COM	69331C108	4,395	185,055	SH	SOLE	1	185,055	0	0
P.A.M. TRANSPORTATION SVCS	COM	693149106	56	1,410	SH	SOLE	1	1,410	0	0
PACCAR INC	COM	693718108	9,332	163,325	SH	SOLE	1	163,325	0	0
PACIFIC BIOSCIENCES OF CALIF	COM	69404D108	667	90,088	SH	SOLE	1	90,088	0	0
PACIFIC CITY FINANCIAL CORP	COM	69406T408	122	7,803	SH	SOLE	1	7,803	0	0
PACIFIC MERCANTILE BANCORP	COM	694552100	73	10,231	SH	SOLE	1	10,231	0	0
PACIFIC PREMIER BANCORP INC	COM	69478X105	901	35,308	SH	SOLE	1	35,308	0	0
PACIRA PHARMACEUTICALS INC	COM	695127100	1,130	26,269	SH	SOLE	1	26,269	0	0
PACKAGING CORP OF AMERICA	COM	695156109	3,670	43,971	SH	SOLE	1	43,971	0	0
PACWEST BANCORP	COM	695263103	8,262	248,266	SH	SOLE	1	248,266	0	0
PALATIN TECHNOLOGIES INC	COM	696077403	95	133,428	SH	SOLE	1	133,428	0	0
PALO ALTO NETWORKS INC	COM	697435105	415	2,202	SH	SOLE	1	2,202	0	0
PANDORA MEDIA LLC	COM	698354107	1,382	170,858	SH	SOLE	1	170,858	0	0
PANHANDLE OIL AND GAS INC A	COM	698477106	161	10,379	SH	SOLE	1	10,379	0	0
PAPA JOHN S INTL INC	COM	698813102	2,383	59,861	SH	SOLE	1	59,861	0	0
PAR PACIFIC HOLDINGS INC	COM	69888T207	337	23,774	SH	SOLE	1	23,774	0	0
PAR TECHNOLOGY CORP/DEL	COM	698884103	163	7,494	SH	SOLE	1	7,494	0	0
PARAMOUNT GROUP INC	COM	69924R108	47	3,758	SH	SOLE	1	3,758	0	0

PARATEK PHARMACEUTICALS INC	COM	699374302	106	20,734	SH	SOLE	1	20,734	0	0
PARK CITY GROUP INC	COM	700215304	52	8,768	SH	SOLE	1	8,768	0	0
PARK ELECTROCHEMICAL CORP	COM	700416209	270	14,939	SH	SOLE	1	14,939	0	0
PARK HOTELS (PLUS) RESORTS INC	COM	700517105	95	3,643	SH	SOLE	1	3,643	0	0
PARK NATIONAL CORP	COM	700658107	768	9,043	SH	SOLE	1	9,043	0	0
PARK OHIO HOLDINGS CORP	COM	700666100	181	5,889	SH	SOLE	1	5,889	0	0
PARKE BANCORP INC	COM	700885106	85	4,558	SH	SOLE	1	4,558	0	0
PARKER HANNIFIN CORP	COM	701094104	8,442	56,604	SH	SOLE	1	56,604	0	0
PARSLEY ENERGY INC CLASS A	COM	701877102	127	7,935	SH	SOLE	1	7,935	0	0
PARTY CITY HOLDCO INC	COM	702149105	372	37,323	SH	SOLE	1	37,323	0	0
PATRICK INDUSTRIES INC	COM	703343103	529	17,881	SH	SOLE	1	17,881	0	0
PATTERN ENERGY GROUP INC A	COM	70338P100	992	53,257	SH	SOLE	1	53,257	0	0
PATTERSON COS INC	COM	703395103	4,759	242,050	SH	SOLE	1	242,050	0	0
PATTERSON UTI ENERGY INC	COM	703481101	4,587	443,175	SH	SOLE	1	443,175	0	0
PAYCHEX INC	COM	704326107	19,800	303,910	SH	SOLE	1	303,910	0	0
PAYCOM SOFTWARE INC	COM	70432V102	147	1,200	SH	SOLE	1	1,200	0	0
PAYLOCITY HOLDING CORP	COM	70438V106	1,149	19,080	SH	SOLE	1	19,080	0	0
PAYPAL HOLDINGS INC	COM	70450Y103	43,187	513,581	SH	SOLE	1	513,581	0	0
PBF ENERGY INC CLASS A	COM	69318G106	7,984	244,370	SH	SOLE	1	244,370	0	0
PC CONNECTION INC	COM	69318J100	226	7,597	SH	SOLE	1	7,597	0	0
PCSB FINANCIAL CORP	COM	69324R104	214	10,917	SH	SOLE	1	10,917	0	0
PDC ENERGY INC	COM	69327R101	1,530	51,423	SH	SOLE	1	51,423	0	0
PDF SOLUTIONS INC	COM	693282105	181	21,494	SH	SOLE	1	21,494	0	0
PDL BIOPHARMA INC	COM	69329Y104	274	94,380	SH	SOLE	1	94,380	0	0
PDL COMMUNITY BANCORP	COM	69290X101	74	5,787	SH	SOLE	1	5,787	0	0
PDVWIRELESS INC	COM	69290R104	230	6,163	SH	SOLE	1	6,163	0	0
PEABODY ENERGY CORP	COM	704551100	1,572	51,583	SH	SOLE	1	51,583	0	0
PEAPACK GLADSTONE FINL CORP	COM	704699107	304	12,063	SH	SOLE	1	12,063	0	0
PEBBLEBROOK HOTEL TRUST	COM	70509V100	9,865	348,476	SH	SOLE	1	348,476	0	0
PEGASYSTEMS INC	COM	705573103	44	910	SH	SOLE	1	910	0	0
PENN NATIONAL GAMING INC	COM	707569109	5,477	290,883	SH	SOLE	1	290,883	0	0
PENN REAL ESTATE INVEST TST	COM	709102107	314	52,856	SH	SOLE	1	52,856	0	0
PENN VIRGINIA CORP	COM	70788V102	527	9,751	SH	SOLE	1	9,751	0	0
PENNS WOODS BANCORP INC	COM	708430103	121	3,011	SH	SOLE	1	3,011	0	0
PENNYMAC FINANCIAL SERVICES	COM	70932M107	1,344	63,219	SH	SOLE	1	63,219	0	0
PENNYMAC MORTGAGE INVESTMENT	COM	70931T103	868	46,638	SH	SOLE	1	46,638	0	0
PENSKE AUTOMOTIVE GROUP INC	COM	70959W103	26	643	SH	SOLE	1	643	0	0

PENTAIR PLC	COM	G7S00T104	2,333	61,747	SH	SOLE	1	61,747	0	0
PENUMBRA INC	COM	70975L107	91	741	SH	SOLE	1	741	0	0
PEOPLE S UNITED FINANCIAL	COM	712704105	2,259	156,562	SH	SOLE	1	156,562	0	0
PEOPLE S UTAH BANCORP	COM	712706209	305	10,126	SH	SOLE	1	10,126	0	0
PEOPLES BANCORP INC	COM	709789101	350	11,636	SH	SOLE	1	11,636	0	0
PEOPLES BANCORP OF NC	COM	710577107	75	3,056	SH	SOLE	1	3,056	0	0
PEOPLES FINANCIAL SERVICES	COM	711040105	200	4,535	SH	SOLE	1	4,535	0	0
PEPSICO INC	COM	713448108	77,615	702,529	SH	SOLE	1	702,529	0	0
PERFICIENT INC	COM	71375U101	561	25,190	SH	SOLE	1	25,190	0	0
PERFORMANCE FOOD GROUP CO	COM	71377A103	2,165	67,079	SH	SOLE	1	67,079	0	0
PERKINELMER INC	COM	714046109	3,545	45,131	SH	SOLE	1	45,131	0	0
PERRIGO CO PLC	COM	G97822103	2,776	71,647	SH	SOLE	1	71,647	0	0
PERSPECTA INC	COM	715347100	6,550	380,348	SH	SOLE	1	380,348	0	0
PETIQ INC	COM	71639T106	243	10,372	SH	SOLE	1	10,372	0	0
PETMED EXPRESS INC	COM	716382106	362	15,576	SH	SOLE	1	15,576	0	0
PFENEX INC	COM	717071104	60	18,737	SH	SOLE	1	18,737	0	0
PFIZER INC	COM	717081103	503,230	11,528,747	SH	SOLE	1	11,528,747	0	0
PFSWEB INC	COM	717098206	51	10,007	SH	SOLE	1	10,007	0	0
PGT INNOVATIONS INC	COM	69336V101	699	44,117	SH	SOLE	1	44,117	0	0
PHI INC NON VOTING	COM	69336T205	14	7,716	SH	SOLE	1	7,716	0	0
PHIBRO ANIMAL HEALTH CORP A	COM	71742Q106	508	15,784	SH	SOLE	1	15,784	0	0
PHILIP MORRIS INTERNATIONAL	COM	718172109	355,927	5,331,441	SH	SOLE	1	5,331,441	0	0
PHILLIPS 66	COM	718546104	12,375	143,640	SH	SOLE	1	143,640	0	0
PHOTRONICS INC	COM	719405102	501	51,801	SH	SOLE	1	51,801	0	0
PHYSICIANS REALTY TRUST	COM	71943U104	1,928	120,303	SH	SOLE	1	120,303	0	0
PICO HOLDINGS INC	COM	693366205	122	13,297	SH	SOLE	1	13,297	0	0
PIEDMONT OFFICE REALTY TRU A	COM	720190206	1,438	84,393	SH	SOLE	1	84,393	0	0
PIER 1 IMPORTS INC	COM	720279108	16	53,811	SH	SOLE	1	53,811	0	0
PIERIS PHARMACEUTICALS INC	COM	720795103	91	34,184	SH	SOLE	1	34,184	0	0
PILGRIM S PRIDE CORP	COM	72147K108	15	959	SH	SOLE	1	959	0	0
PINNACLE FINANCIAL PARTNERS	COM	72346Q104	6,890	149,462	SH	SOLE	1	149,462	0	0
PINNACLE WEST CAPITAL	COM	723484101	3,300	38,737	SH	SOLE	1	38,737	0	0
PIONEER ENERGY SERVICES CORP	COM	723664108	73	59,434	SH	SOLE	1	59,434	0	0
PIONEER NATURAL RESOURCES CO	COM	723787107	9,701	73,761	SH	SOLE	1	73,761	0	0
PIPER JAFFRAY COS	COM	724078100	736	11,182	SH	SOLE	1	11,182	0	0
PITNEY BOWES INC	COM	724479100	3,298	558,114	SH	SOLE	1	558,114	0	0
PJT PARTNERS INC A	COM	69343T107	509	13,128	SH	SOLE	1	13,128	0	0
PLAINS GP HLDGS L P	COM	72651A207	18,165	903,730	SH	SOLE	2	903,730	0	0
PLAINS GP HOLDINGS LP CL A	COM	72651A207	77	3,826	SH	SOLE	1	3,826	0	0
PLANET FITNESS INC CL A	COM	72703H101	3,123	58,246	SH	SOLE	1	58,246	0	0

PLANTRONICS INC	COM	727493108	2,932	88,574 SH	SOLE	1	88,574	0	0
PLAYAGS INC	COM	72814N104	333	14,463 SH	SOLE	1	14,463	0	0
PLEXUS CORP	COM	729132100	1,239	24,248 SH	SOLE	1	24,248	0	0
PLUG POWER INC	COM	72919P202	175	140,755 SH	SOLE	1	140,755	0	0
PLURALSIGHT INC A	COM	72941B106	13	551 SH	SOLE	1	551	0	0
PNC FINANCIAL SERVICES GROUP	COM	693475105	24,905	213,031 SH	SOLE	1	213,031	0	0
PNM RESOURCES INC	COM	69349H107	8,766	213,338 SH	SOLE	1	213,338	0	0
POLARIS INDUSTRIES INC	COM	731068102	9,105	118,737 SH	SOLE	1	118,737	0	0
POLARITYTE INC	COM	731094108	89	6,581 SH	SOLE	1	6,581	0	0
POLYONE CORPORATION	COM	73179P106	6,116	213,840 SH	SOLE	1	213,840	0	0
POOL CORP	COM	73278L105	12,232	82,289 SH	SOLE	1	82,289	0	0
POPULAR INC	COM	733174700	86	1,827 SH	SOLE	1	1,827	0	0
PORTLAND GENERAL ELECTRIC CO	COM	736508847	2,701	58,914 SH	SOLE	1	58,914	0	0
PORTOLA PHARMACEUTICALS INC	COM	737010108	837	42,867 SH	SOLE	1	42,867	0	0
POST HOLDINGS INC	COM	737446104	12,132	136,121 SH	SOLE	1	136,121	0	0
POTBELLY CORP	COM	73754Y100	121	15,074 SH	SOLE	1	15,074	0	0
POTLATCHDELTIC CORP	COM	737630103	5,701	180,178 SH	SOLE	1	180,178	0	0
POWELL INDUSTRIES INC	COM	739128106	171	6,846 SH	SOLE	1	6,846	0	0
POWER INTEGRATIONS INC	COM	739276103	1,361	22,317 SH	SOLE	1	22,317	0	0
PPG INDUSTRIES INC	COM	693506107	9,760	95,475 SH	SOLE	1	95,475	0	0
PPL CORP	COM	69351T106	9,713	342,836 SH	SOLE	1	342,836	0	0
PQ GROUP HOLDINGS INC	COM	73943T103	357	24,094 SH	SOLE	1	24,094	0	0
PRA GROUP INC	COM	69354N106	846	34,717 SH	SOLE	1	34,717	0	0
PRA HEALTH SCIENCES INC	COM	69354M108	10,992	119,533 SH	SOLE	1	119,533	0	0
PREFERRED APARTMENT COMMUN A	COM	74039L103	370	26,305 SH	SOLE	1	26,305	0	0
PREFERRED BANK/LOS ANGELES	COM	740367404	469	10,819 SH	SOLE	1	10,819	0	0
PREFORMED LINE PRODUCTS CO	COM	740444104	109	2,017 SH	SOLE	1	2,017	0	0
PREMIER FINANCIAL BANCORP	COM	74050M105	116	7,801 SH	SOLE	1	7,801	0	0
PREMIER INC CLASS A	COM	74051N102	1,883	50,407 SH	SOLE	1	50,407	0	0
PRESIDIO INC	COM	74102M103	315	24,150 SH	SOLE	1	24,150	0	0
PRESTIGE CONSUMER HEALTHCARE	COM	74112D101	4,285	138,775 SH	SOLE	1	138,775	0	0
PRGX GLOBAL INC	COM	69357C503	131	13,795 SH	SOLE	1	13,795	0	0
PRICESMART INC	COM	741511109	861	14,563 SH	SOLE	1	14,563	0	0
PRIMERICA INC	COM	74164M108	11,251	115,144 SH	SOLE	1	115,144	0	0
PRIMO WATER CORP	COM	74165N105	302	21,585 SH	SOLE	1	21,585	0	0
PRIMORIS SERVICES CORP	COM	74164F103	527	27,529 SH	SOLE	1	27,529	0	0
PRINCIPAL FINANCIAL GROUP	COM	74251V102	4,678	105,918 SH	SOLE	1	105,918	0	0
PRINCIPIA BIOPHARMA INC	COM	74257L108	103	3,760 SH	SOLE	1	3,760	0	0
PROASSURANCE CORP	COM	74267C106	1,674	41,275 SH	SOLE	1	41,275	0	0

PROCTER (PLUS) GAMBLE CO/THE	COM	742718109	509,818	5,546,325	SH	SOLE	1	5,546,325	0	0
PROFIRE ENERGY INC	COM	74316X101	23	15,746	SH	SOLE	1	15,746	0	0
PROGENICS PHARMACEUTICALS	COM	743187106	275	65,493	SH	SOLE	1	65,493	0	0
PROGRESS SOFTWARE CORP	COM	743312100	1,233	34,749	SH	SOLE	1	34,749	0	0
PROGRESSIVE CORP	COM	743315103	14,023	232,433	SH	SOLE	1	232,433	0	0
PROLOGIS INC	COM	74340W103	14,685	250,086	SH	SOLE	1	250,086	0	0
PROOFPOINT INC	COM	743424103	102	1,216	SH	SOLE	1	1,216	0	0
PROPETRO HOLDING CORP	COM	74347M108	682	55,338	SH	SOLE	1	55,338	0	0
PROS HOLDINGS INC	COM	74346Y103	655	20,845	SH	SOLE	1	20,845	0	0
PROSPERITY BANCSHARES INC	COM	743606105	8,425	135,237	SH	SOLE	1	135,237	0	0
PROTECTIVE INSURANCE CORP B	COM	74368L203	105	6,311	SH	SOLE	1	6,311	0	0
PROTEOSTASIS THERAPEUTICS IN	COM	74373B109	73	22,574	SH	SOLE	1	22,574	0	0
PROTHENA CORP PLC	COM	G72800108	272	26,452	SH	SOLE	1	26,452	0	0
PROTO LABS INC	COM	743713109	2,373	21,035	SH	SOLE	1	21,035	0	0
PROVIDENCE SERVICE CORP	COM	743815102	518	8,638	SH	SOLE	1	8,638	0	0
PROVIDENT BANCORP INC	COM	74383X109	62	2,839	SH	SOLE	1	2,839	0	0
PROVIDENT FINANCIAL SERVICES	COM	74386T105	1,160	48,084	SH	SOLE	1	48,084	0	0
PRUDENTIAL BANCORP INC	COM	74431A101	103	5,846	SH	SOLE	1	5,846	0	0
PRUDENTIAL FINANCIAL INC	COM	744320102	14,912	182,856	SH	SOLE	1	182,856	0	0
PS BUSINESS PARKS INC/CA	COM	69360J107	2,026	15,462	SH	SOLE	1	15,462	0	0
PTC INC	COM	69370C100	18,121	218,593	SH	SOLE	1	218,593	0	0
PTC THERAPEUTICS INC	COM	69366J200	1,023	29,808	SH	SOLE	1	29,808	0	0
PUBLIC SERVICE ENTERPRISE GP	COM	744573106	9,387	180,350	SH	SOLE	1	180,350	0	0
PUBLIC STORAGE	COM	74460D109	11,659	57,603	SH	SOLE	1	57,603	0	0
PULSE BIOSCIENCES INC	COM	74587B101	80	6,996	SH	SOLE	1	6,996	0	0
PULTEGROUP INC	COM	745867101	2,409	92,690	SH	SOLE	1	92,690	0	0
PUMA BIOTECHNOLOGY INC	COM	74587V107	390	19,172	SH	SOLE	1	19,172	0	0
PURE CYCLE CORP	COM	746228303	112	11,259	SH	SOLE	1	11,259	0	0
PURE STORAGE INC CLASS A	COM	74624M102	64	3,976	SH	SOLE	1	3,976	0	0
PURPLE INNOVATION INC	COM	74640Y106	17	2,871	SH	SOLE	1	2,871	0	0
PVH CORP	COM	693656100	3,351	36,051	SH	SOLE	1	36,051	0	0
PYXUS INTERNATIONAL INC	COM	74737V106	66	5,524	SH	SOLE	1	5,524	0	0
PZENA INVESTMENT MANAGM CL A	COM	74731Q103	100	11,511	SH	SOLE	1	11,511	0	0
Q2 HOLDINGS INC	COM	74736L109	1,220	24,630	SH	SOLE	1	24,630	0	0
QAD INC A	COM	74727D306	269	6,842	SH	SOLE	1	6,842	0	0
QCR HOLDINGS INC	COM	74727A104	276	8,608	SH	SOLE	1	8,608	0	0
QEP RESOURCES INC	COM	74733V100	2,717	482,598	SH	SOLE	1	482,598	0	0
QIAGEN N.V.	COM	N72482123	138	4,019	SH	SOLE	1	4,019	0	0

QORVO INC	COM	74736K101	2,707	44,582	SH	SOLE	1	44,582	0	0
QTS REALTY TRUST INC CL A	COM	74736A103	1,243	33,552	SH	SOLE	1	33,552	0	0
QUAD GRAPHICS INC	COM	747301109	253	20,575	SH	SOLE	1	20,575	0	0
QUAKER CHEMICAL CORP	COM	747316107	1,807	10,171	SH	SOLE	1	10,171	0	0
QUALCOMM INC	COM	747525103	33,556	589,634	SH	SOLE	1	589,634	0	0
QUALYS INC	COM	74758T303	1,975	26,419	SH	SOLE	1	26,419	0	0
QUANEX BUILDING PRODUCTS	COM	747619104	369	27,127	SH	SOLE	1	27,127	0	0
QUANTA SERVICES INC	COM	74762E102	1,578	52,416	SH	SOLE	1	52,416	0	0
QUANTENNA COMMUNICATIONS INC	COM	74766D100	323	22,536	SH	SOLE	1	22,536	0	0
QUANTERIX CORP	COM	74766Q101	102	5,558	SH	SOLE	1	5,558	0	0
QUEST DIAGNOSTICS INC	COM	74834L100	8,330	100,033	SH	SOLE	1	100,033	0	0
QUIDEL CORP	COM	74838J101	1,099	22,507	SH	SOLE	1	22,507	0	0
QUINSTREET INC	COM	74874Q100	549	33,853	SH	SOLE	1	33,853	0	0
QUINTANA ENERGY SERVICES INC	COM	74875T103	14	4,098	SH	SOLE	1	4,098	0	0
QUORUM HEALTH CORP	COM	74909E106	64	22,290	SH	SOLE	1	22,290	0	0
QUOTIENT TECHNOLOGY INC	COM	749119103	561	52,510	SH	SOLE	1	52,510	0	0
QURATE RETAIL INC	COM	74915M100	1,281	65,611	SH	SOLE	1	65,611	0	0
R1 RCM INC	COM	749397105	539	67,770	SH	SOLE	1	67,770	0	0
RA PHARMACEUTICALS INC	COM	74933V108	173	9,511	SH	SOLE	1	9,511	0	0
RADIAN GROUP INC	COM	750236101	2,328	142,291	SH	SOLE	1	142,291	0	0
RADIANT LOGISTICS INC	COM	75025X100	109	25,623	SH	SOLE	1	25,623	0	0
RADIUS HEALTH INC	COM	750469207	439	26,642	SH	SOLE	1	26,642	0	0
RADNET INC	COM	750491102	265	26,096	SH	SOLE	1	26,096	0	0
RALPH LAUREN CORP	COM	751212101	12,201	117,931	SH	SOLE	1	117,931	0	0
RAMACO RESOURCES INC	COM	75134P303	19	3,937	SH	SOLE	1	3,937	0	0
RAMBUS INC	COM	750917106	636	82,957	SH	SOLE	1	82,957	0	0
RANGE RESOURCES CORP	COM	75281A109	5,081	530,906	SH	SOLE	1	530,906	0	0
RAPID7 INC	COM	753422104	757	24,293	SH	SOLE	1	24,293	0	0
RAVEN INDUSTRIES INC	COM	754212108	1,008	27,840	SH	SOLE	1	27,840	0	0
RAYMOND JAMES FINANCIAL INC	COM	754730109	3,838	51,580	SH	SOLE	1	51,580	0	0
RAYONIER ADVANCED MATERIALS	COM	75508B104	419	39,373	SH	SOLE	1	39,373	0	0
RAYONIER INC	COM	754907103	7,307	263,884	SH	SOLE	1	263,884	0	0
RAYTHEON COMPANY	COM	755111507	14,569	95,002	SH	SOLE	1	95,002	0	0
RBB BANCORP	COM	74930B105	161	9,141	SH	SOLE	1	9,141	0	0
RBC BEARINGS INC	COM	75524B104	2,063	15,735	SH	SOLE	1	15,735	0	0
RCI HOSPITALITY HOLDINGS INC	COM	74934Q108	133	5,968	SH	SOLE	1	5,968	0	0
RE/MAX HOLDINGS INC CL A	COM	75524W108	1,111	36,139	SH	SOLE	1	36,139	0	0
READING INTERNATIONAL INC A	COM	755408101	161	11,055	SH	SOLE	1	11,055	0	0
READY CAPITAL CORP	COM	75574U101	161	11,631	SH	SOLE	1	11,631	0	0
REALOGY HOLDINGS CORP	COM	75605Y106	3,536	240,838	SH	SOLE	1	240,838	0	0

REALPAGE INC	COM	75606N109	83	1,730 SH	SOLE	1	1,730	0	0
REALTY INCOME CORP	COM	756109104	6,489	102,931 SH	SOLE	1	102,931	0	0
REATA PHARMACEUTICALS INC A	COM	75615P103	691	12,310 SH	SOLE	1	12,310	0	0
RECRO PHARMA INC	COM	75629F109	82	11,606 SH	SOLE	1	11,606	0	0
RED HAT INC	COM	756577102	11,548	65,746 SH	SOLE	1	65,746	0	0
RED LION HOTELS CORP	COM	756764106	86	10,470 SH	SOLE	1	10,470	0	0
RED ROBIN GOURMET BURGERS	COM	75689M101	269	10,080 SH	SOLE	1	10,080	0	0
RED ROCK RESORTS INC CLASS A	COM	75700L108	930	45,779 SH	SOLE	1	45,779	0	0
REDFIN CORP	COM	75737F108	751	52,137 SH	SOLE	1	52,137	0	0
REDWOOD TRUST INC	COM	758075402	963	63,885 SH	SOLE	1	63,885	0	0
REGAL BELOIT CORP	COM	758750103	6,161	87,946 SH	SOLE	1	87,946	0	0
REGENCY CENTERS CORP	COM	758849103	3,479	59,283 SH	SOLE	1	59,283	0	0
REGENERON PHARMACEUTICALS	COM	75886F107	13,960	37,376 SH	SOLE	1	37,376	0	0
REGENXBIO INC	COM	75901B107	1,035	24,664 SH	SOLE	1	24,664	0	0
REGIONAL MANAGEMENT CORP	COM	75902K106	148	6,134 SH	SOLE	1	6,134	0	0
REGIONS FINANCIAL CORP	COM	7591EP100	6,490	485,067 SH	SOLE	1	485,067	0	0
REGIS CORP	COM	758932107	445	26,237 SH	SOLE	1	26,237	0	0
REINSURANCE GROUP OF AMERICA	COM	759351604	17,944	127,961 SH	SOLE	1	127,961	0	0
RELIANCE STEEL (PLUS) ALUMINUM	COM	759509102	11,078	155,661 SH	SOLE	1	155,661	0	0
RELIANT BANCORP INC	COM	75956B101	153	6,650 SH	SOLE	1	6,650	0	0
REMARK HOLDINGS INC	COM	75955K102	22	17,949 SH	SOLE	1	17,949	0	0
RENAISSANCERE HOLDINGS LTD	COM	G7496G103	11,125	83,209 SH	SOLE	1	83,209	0	0
RENASANT CORP	COM	75970E107	958	31,740 SH	SOLE	1	31,740	0	0
RENEWABLE ENERGY GROUP INC	COM	75972A301	738	28,697 SH	SOLE	1	28,697	0	0
RENT A CENTER INC	COM	76009N100	558	34,443 SH	SOLE	1	34,443	0	0
REPLIGEN CORP	COM	759916109	1,600	30,333 SH	SOLE	1	30,333	0	0
REPLIMUNE GROUP INC	COM	76029N106	49	4,922 SH	SOLE	1	4,922	0	0
REPUBLIC BANCORP INC CLASS A	COM	760281204	245	6,324 SH	SOLE	1	6,324	0	0
REPUBLIC FIRST BANCORP INC	COM	760416107	173	28,963 SH	SOLE	1	28,963	0	0
REPUBLIC SERVICES INC	COM	760759100	6,704	92,998 SH	SOLE	1	92,998	0	0
RESIDEO TECHNOLOGIES INC	COM	76118Y104	5,105	248,413 SH	SOLE	1	248,413	0	0
RESMED INC	COM	761152107	6,582	57,803 SH	SOLE	1	57,803	0	0
RESOLUTE ENERGY CORP	COM	76116A306	417	14,379 SH	SOLE	1	14,379	0	0
RESOURCES CONNECTION INC	COM	76122Q105	328	23,115 SH	SOLE	1	23,115	0	0
RESTORBIO INC	COM	76133L103	44	5,064 SH	SOLE	1	5,064	0	0
RETAIL OPPORTUNITY INVESTMEN	COM	76131N101	1,388	87,402 SH	SOLE	1	87,402	0	0
RETAIL PROPERTIES OF AME A	COM	76131V202	43	3,972 SH	SOLE	1	3,972	0	0
RETAIL VALUE INC	COM	76133Q102	7	277 SH	SOLE	1	277	0	0

RETROPHIN INC	COM	761299106	615	27,177	SH	SOLE	1	27,177	0	0
REV GROUP INC	COM	749527107	145	19,306	SH	SOLE	1	19,306	0	0
REVANCE THERAPEUTICS INC	COM	761330109	435	21,605	SH	SOLE	1	21,605	0	0
REVLON INC CLASS A	COM	761525609	135	5,359	SH	SOLE	1	5,359	0	0
REX AMERICAN RESOURCES CORP	COM	761624105	297	4,360	SH	SOLE	1	4,360	0	0
REXFORD INDUSTRIAL REALTY IN	COM	76169C100	1,791	60,771	SH	SOLE	1	60,771	0	0
REXNORD CORP	COM	76169B102	1,580	68,842	SH	SOLE	1	68,842	0	0
RGC RESOURCES INC	COM	74955L103	146	4,867	SH	SOLE	1	4,867	0	0
RH	COM	74967X103	1,835	15,315	SH	SOLE	1	15,315	0	0
RHYTHM PHARMACEUTICALS INC	COM	76243J105	269	10,021	SH	SOLE	1	10,021	0	0
RIBBON COMMUNICATIONS INC	COM	762544104	171	35,514	SH	SOLE	1	35,514	0	0
RIGEL PHARMACEUTICALS INC	COM	766559603	254	110,532	SH	SOLE	1	110,532	0	0
RIGNET INC	COM	766582100	117	9,250	SH	SOLE	1	9,250	0	0
RIMINI STREET INC	COM	76674Q107	35	6,818	SH	SOLE	1	6,818	0	0
RING ENERGY INC	COM	76680V108	226	44,392	SH	SOLE	1	44,392	0	0
RINGCENTRAL INC CLASS A	COM	76680R206	136	1,651	SH	SOLE	1	1,651	0	0
RITE AID CORP	COM	767754104	491	693,053	SH	SOLE	1	693,053	0	0
RIVER VIEW BANCORP INC	COM	769397100	102	13,964	SH	SOLE	1	13,964	0	0
RLI CORP	COM	749607107	2,100	30,437	SH	SOLE	1	30,437	0	0
RLJ LODGING TRUST	COM	74965L101	1,878	114,520	SH	SOLE	1	114,520	0	0
RMR GROUP INC/THE A	COM	74967R106	246	4,637	SH	SOLE	1	4,637	0	0
ROBERT HALF INTL INC	COM	770323103	2,508	43,851	SH	SOLE	1	43,851	0	0
ROCKET PHARMACEUTICALS INC	COM	77313F106	204	13,740	SH	SOLE	1	13,740	0	0
ROCKWELL AUTOMATION INC	COM	773903109	8,186	54,401	SH	SOLE	1	54,401	0	0
ROCKWELL MEDICAL INC	COM	774374102	71	31,280	SH	SOLE	1	31,280	0	0
ROCKY BRANDS INC	COM	774515100	117	4,499	SH	SOLE	1	4,499	0	0
ROGERS CORP	COM	775133101	1,412	14,252	SH	SOLE	1	14,252	0	0
ROKU INC	COM	77543R102	874	28,536	SH	SOLE	1	28,536	0	0
ROLLINS INC	COM	775711104	1,868	51,749	SH	SOLE	1	51,749	0	0
ROPER TECHNOLOGIES INC	COM	776696106	14,164	53,143	SH	SOLE	1	53,143	0	0
ROSEHILL RESOURCES INC	COM	777385105	3	1,486	SH	SOLE	1	1,486	0	0
ROSETTA STONE INC	COM	777780107	213	12,983	SH	SOLE	1	12,983	0	0
ROSS STORES INC	COM	778296103	14,630	175,846	SH	SOLE	1	175,846	0	0
ROWAN COMPANIES PLC A	COM	G7665A101	2,858	340,638	SH	SOLE	1	340,638	0	0
ROYAL CARIBBEAN CRUISES LTD	COM	V7780T103	5,972	61,065	SH	SOLE	1	61,065	0	0
ROYAL GOLD INC	COM	780287108	11,450	133,681	SH	SOLE	1	133,681	0	0
RPC INC	COM	749660106	11	1,158	SH	SOLE	1	1,158	0	0
RPM INTERNATIONAL INC	COM	749685103	15,909	270,654	SH	SOLE	1	270,654	0	0
RPT REALTY	COM	74971D101	737	61,681	SH	SOLE	1	61,681	0	0

RR DONNELLEY (PLUS) SONS CO	COM	257867200	217	54,796	SH	SOLE	1	54,796	0	0
RTI SURGICAL INC	COM	74975N105	139	37,438	SH	SOLE	1	37,438	0	0
RTW RETAIL WINDS INC	COM	74980D100	55	19,259	SH	SOLE	1	19,259	0	0
RUBIUS THERAPEUTICS INC	COM	78116T103	129	8,011	SH	SOLE	1	8,011	0	0
RUDOLPH TECHNOLOGIES INC	COM	781270103	502	24,500	SH	SOLE	1	24,500	0	0
RUSH ENTERPRISES INC CL B	COM	781846308	104	2,926	SH	SOLE	1	2,926	0	0
RUSH ENTERPRISES INC CL A	COM	781846209	682	19,792	SH	SOLE	1	19,792	0	0
RUTH S HOSPITALITY GROUP INC	COM	783332109	509	22,391	SH	SOLE	1	22,391	0	0
RYDER SYSTEM INC	COM	783549108	5,209	108,190	SH	SOLE	1	108,190	0	0
RYERSON HOLDING CORP	COM	783754104	66	10,484	SH	SOLE	1	10,484	0	0
RYMAN HOSPITALITY PROPERTIES	COM	78377T107	1,964	29,457	SH	SOLE	1	29,457	0	0
S (PLUS) T BANCORP INC	COM	783859101	1,014	26,790	SH	SOLE	1	26,790	0	0
S(PLUS)P GLOBAL INC	COM	78409V104	17,650	103,861	SH	SOLE	1	103,861	0	0
SABRA HEALTH CARE REIT INC	COM	78573L106	7,866	477,331	SH	SOLE	1	477,331	0	0
SABRE CORP	COM	78573M104	12,173	562,526	SH	SOLE	1	562,526	0	0
SAFE BULKERS INC	COM	Y7388L103	60	33,484	SH	SOLE	1	33,484	0	0
SAFEGUARD SCIENTIFICS INC	COM	786449207	109	12,698	SH	SOLE	1	12,698	0	0
SAFETY INCOME (PLUS) GROWTH INC	COM	78649D104	98	5,208	SH	SOLE	1	5,208	0	0
SAFETY INSURANCE GROUP INC	COM	78648T100	930	11,368	SH	SOLE	1	11,368	0	0
SAGA COMMUNICATIONS INC CL A	COM	786598300	84	2,513	SH	SOLE	1	2,513	0	0
SAGE THERAPEUTICS INC	COM	78667J108	105	1,098	SH	SOLE	1	1,098	0	0
SAIA INC	COM	78709Y105	1,111	19,904	SH	SOLE	1	19,904	0	0
SAILPOINT TECHNOLOGIES HOLDI	COM	78781P105	1,080	45,984	SH	SOLE	1	45,984	0	0
SALESFORCE.COM INC	COM	79466L302	40,383	294,830	SH	SOLE	1	294,830	0	0
SALLY BEAUTY HOLDINGS INC	COM	79546E104	5,492	322,089	SH	SOLE	1	322,089	0	0
SANCHEZ ENERGY CORP	COM	79970Y105	14	51,857	SH	SOLE	1	51,857	0	0
SANDERSON FARMS INC	COM	800013104	5,366	54,046	SH	SOLE	1	54,046	0	0
SANDRIDGE ENERGY INC	COM	80007P869	154	20,183	SH	SOLE	1	20,183	0	0
SANDY SPRING BANCORP INC	COM	800363103	715	22,815	SH	SOLE	1	22,815	0	0
SANGAMO THERAPEUTICS INC	COM	800677106	766	66,768	SH	SOLE	1	66,768	0	0
SANMINA CORP	COM	801056102	1,267	52,678	SH	SOLE	1	52,678	0	0
SANTANDER CONSUMER USA HOLDI	COM	80283M101	38	2,185	SH	SOLE	1	2,185	0	0
SAREPTA THERAPEUTICS INC	COM	803607100	175	1,605	SH	SOLE	1	1,605	0	0
SAUL CENTERS INC	COM	804395101	431	9,126	SH	SOLE	1	9,126	0	0
SAVARA INC	COM	805111101	143	18,866	SH	SOLE	1	18,866	0	0
SB ONE BANCORP	COM	78413T103	96	4,705	SH	SOLE	1	4,705	0	0
SBA COMMUNICATIONS CORP	COM	78410G104	7,847	48,472	SH	SOLE	1	48,472	0	0

SCANA CORP	COM	80589M102	2,431	50,873 SH	SOLE	1	50,873	0	0
SCANSOURCE INC	COM	806037107	674	19,601 SH	SOLE	1	19,601	0	0
SCHLUMBERGER LTD	COM	806857108	20,758	575,326 SH	SOLE	1	575,326	0	0
SCHNEIDER NATIONAL INC CL B	COM	80689H102	17	908 SH	SOLE	1	908	0	0
SCHNITZER STEEL INDS INC A	COM	806882106	372	17,249 SH	SOLE	1	17,249	0	0
SCHOLAR ROCK HOLDING CORP	COM	80706P103	94	4,097 SH	SOLE	1	4,097	0	0
SCHOLASTIC CORP	COM	807066105	886	22,012 SH	SOLE	1	22,012	0	0
SCHWAB (CHARLES) CORP	COM	808513105	19,883	478,762 SH	SOLE	1	478,762	0	0
SCHWEITZER MAUDUIT INTL INC	COM	808541106	598	23,853 SH	SOLE	1	23,853	0	0
SCIENCE APPLICATIONS INTE	COM	808625107	7,252	113,849 SH	SOLE	1	113,849	0	0
SCIENTIFIC GAMES CORP	COM	80874P109	2,642	147,735 SH	SOLE	1	147,735	0	0
SCORPIO BULKERS INC	COM	Y7546A122	212	38,315 SH	SOLE	1	38,315	0	0
SCORPIO TANKERS INC	COM	Y7542C106	529	300,776 SH	SOLE	1	300,776	0	0
SCOTTS MIRACLE GRO CO	COM	810186106	4,929	80,203 SH	SOLE	1	80,203	0	0
SCPHARMACEUTICALS INC	COM	810648105	17	4,478 SH	SOLE	1	4,478	0	0
SEABOARD CORP	COM	811543107	18	5 SH	SOLE	1	5	0	0
SEACOAST BANKING CORP/FL	COM	811707801	945	36,310 SH	SOLE	1	36,310	0	0
SEACOR HOLDINGS INC	COM	811904101	492	13,290 SH	SOLE	1	13,290	0	0
SEACOR MARINE HOLDINGS INC	COM	78413P101	128	10,873 SH	SOLE	1	10,873	0	0
SEAGATE TECHNOLOGY	COM	G7945M107	3,616	93,692 SH	SOLE	1	93,692	0	0
SEALED AIR CORP	COM	81211K100	2,107	60,477 SH	SOLE	1	60,477	0	0
SEASPINE HOLDINGS CORP	COM	81255T108	178	9,751 SH	SOLE	1	9,751	0	0
SEATTLE GENETICS INC	COM	812578102	242	4,267 SH	SOLE	1	4,267	0	0
SEAWORLD ENTERTAINMENT INC	COM	81282V100	799	36,159 SH	SOLE	1	36,159	0	0
SECUREWORKS CORP A	COM	81374A105	95	5,654 SH	SOLE	1	5,654	0	0
SEI INVESTMENTS COMPANY	COM	784117103	12,539	271,411 SH	SOLE	1	271,411	0	0
SELECT BANCORP INC	COM	81617L108	126	10,198 SH	SOLE	1	10,198	0	0
SELECT ENERGY SERVICES INC A	COM	81617J301	188	29,730 SH	SOLE	1	29,730	0	0
SELECT INCOME REIT	COM	81618T100	429	58,242 SH	SOLE	1	58,242	0	0
SELECT MEDICAL HOLDINGS CORP	COM	81619Q105	1,292	84,138 SH	SOLE	1	84,138	0	0
SELECTA BIOSCIENCES INC	COM	816212104	32	11,852 SH	SOLE	1	11,852	0	0
SELECTIVE INSURANCE GROUP	COM	816300107	2,752	45,154 SH	SOLE	1	45,154	0	0
SEMGROUP CORP CLASS A	COM	81663A105	718	52,100 SH	SOLE	1	52,100	0	0
SEMPRA ENERGY	COM	816851109	10,565	97,655 SH	SOLE	1	97,655	0	0
SEMTECH CORP	COM	816850101	2,321	50,606 SH	SOLE	1	50,606	0	0
SENDGRID INC	COM	816883102	839	19,434 SH	SOLE	1	19,434	0	0
SENECA FOODS CORP CL A	COM	817070501	157	5,566 SH	SOLE	1	5,566	0	0

SENIOR HOUSING PROP TRUST	COM	81721M109	5,679	484,519	SH	SOLE	1	484,519	0	0
SENSATA TECHNOLOGIES HOLDING	COM	G8060N102	156	3,479	SH	SOLE	1	3,479	0	0
SENSEONICS HOLDINGS INC	COM	81727U105	145	56,103	SH	SOLE	1	56,103	0	0
SENSIENT TECHNOLOGIES CORP	COM	81725T100	6,335	113,422	SH	SOLE	1	113,422	0	0
SERES THERAPEUTICS INC	COM	81750R102	61	13,555	SH	SOLE	1	13,555	0	0
SERITAGE GROWTH PROP A REIT	COM	81752R100	695	21,511	SH	SOLE	1	21,511	0	0
SERVICE CORP INTERNATIONAL	COM	817565104	14,865	369,226	SH	SOLE	1	369,226	0	0
SERVICEMASTER GLOBAL HOLDING	COM	81761R109	121	3,282	SH	SOLE	1	3,282	0	0
SERVICENOW INC	COM	81762P102	1,002	5,629	SH	SOLE	1	5,629	0	0
SERVICESTRONG INTERNATIONAL	COM	81763U100	55	50,935	SH	SOLE	1	50,935	0	0
SERVISFIRST BANCSHARES INC	COM	81768T108	1,148	36,029	SH	SOLE	1	36,029	0	0
SHAKE SHACK INC CLASS A	COM	819047101	876	19,279	SH	SOLE	1	19,279	0	0
SHENANDOAH TELECOMMUNICATION	COM	82312B106	1,360	30,741	SH	SOLE	1	30,741	0	0
SHERWIN WILLIAMS CO/THE	COM	824348106	10,754	27,332	SH	SOLE	1	27,332	0	0
SHILOH INDUSTRIES INC	COM	824543102	57	9,709	SH	SOLE	1	9,709	0	0
SHIP FINANCE INTL LTD	COM	G81075106	563	53,439	SH	SOLE	1	53,439	0	0
SHOE CARNIVAL INC	COM	824889109	274	8,170	SH	SOLE	1	8,170	0	0
SHORE BANCSHARES INC	COM	825107105	121	8,294	SH	SOLE	1	8,294	0	0
SHOTSPOTTER INC	COM	82536T107	151	4,830	SH	SOLE	1	4,830	0	0
SHUTTERFLY INC	COM	82568P304	1,047	25,995	SH	SOLE	1	25,995	0	0
SHUTTERSTOCK INC	COM	825690100	525	14,573	SH	SOLE	1	14,573	0	0
SI BONE INC	COM	825704109	115	5,502	SH	SOLE	1	5,502	0	0
SI FINANCIAL GROUP INC	COM	78425V104	93	7,304	SH	SOLE	1	7,304	0	0
SIEBERT FINANCIAL CORP	COM	826176109	71	4,883	SH	SOLE	1	4,883	0	0
SIENNA BIOPHARMACEUTICALS INC	COM	82622H108	24	10,150	SH	SOLE	1	10,150	0	0
SIENRA INC	COM	82621J105	194	15,279	SH	SOLE	1	15,279	0	0
SIERRA BANCORP	COM	82620P102	223	9,286	SH	SOLE	1	9,286	0	0
SIGA TECHNOLOGIES INC	COM	826917106	270	34,176	SH	SOLE	1	34,176	0	0
SIGNATURE BANK	COM	82669G104	11,209	109,026	SH	SOLE	1	109,026	0	0
SIGNET JEWELERS LTD	COM	G81276100	4,874	153,408	SH	SOLE	1	153,408	0	0
SILGAN HOLDINGS INC	COM	827048109	3,732	157,986	SH	SOLE	1	157,986	0	0
SILICON LABORATORIES INC	COM	826919102	9,098	115,443	SH	SOLE	1	115,443	0	0
SILVERBOW RESOURCES INC	COM	82836G102	110	4,667	SH	SOLE	1	4,667	0	0
SILVERCREST ASSET MANAGEME A	COM	828359109	72	5,478	SH	SOLE	1	5,478	0	0
SIMMONS FIRST NATL CORP CL A	COM	828730200	1,701	70,500	SH	SOLE	1	70,500	0	0
SIMON PROPERTY GROUP INC	COM	828806109	21,099	125,599	SH	SOLE	1	125,599	0	0
SIMPLY GOOD FOODS CO/THE	COM	82900L102	750	39,707	SH	SOLE	1	39,707	0	0

SIMPSON MANUFACTURING CO INC	COM	829073105	1,741	32,160	SH	SOLE	1	32,160	0	0
SIMULATIONS PLUS INC	COM	829214105	151	7,575	SH	SOLE	1	7,575	0	0
SINA CORP	COM	G81477104	52	965	SH	SOLE	1	965	0	0
SINCLAIR BROADCAST GROUP A	COM	829226109	1,173	44,517	SH	SOLE	1	44,517	0	0
SIRIUS XM HOLDINGS INC	COM	82968B103	1,707	298,866	SH	SOLE	1	298,866	0	0
SITE CENTERS CORP	COM	82981J109	31	2,766	SH	SOLE	1	2,766	0	0
SITEONE LANDSCAPE SUPPLY INC	COM	82982L103	1,477	26,718	SH	SOLE	1	26,718	0	0
SIX FLAGS ENTERTAINMENT CORP	COM	83001A102	8,160	146,685	SH	SOLE	1	146,685	0	0
SJW GROUP	COM	784305104	631	11,345	SH	SOLE	1	11,345	0	0
SKECHERS USA INC CL A	COM	830566105	6,255	273,247	SH	SOLE	1	273,247	0	0
SKYLINE CHAMPION CORP	COM	830830105	279	19,000	SH	SOLE	1	19,000	0	0
SKYWEST INC	COM	830879102	1,764	39,660	SH	SOLE	1	39,660	0	0
SKYWORKS SOLUTIONS INC	COM	83088M102	4,935	73,640	SH	SOLE	1	73,640	0	0
SL GREEN REALTY CORP	COM	78440X101	2,402	30,375	SH	SOLE	1	30,375	0	0
SLEEP NUMBER CORP	COM	83125X103	806	25,405	SH	SOLE	1	25,405	0	0
SLM CORP	COM	78442P106	7,379	887,992	SH	SOLE	1	887,992	0	0
SM ENERGY CO	COM	78454L100	3,258	210,436	SH	SOLE	1	210,436	0	0
SMART (PLUS) FINAL STORES INC	COM	83190B101	72	15,177	SH	SOLE	1	15,177	0	0
SMART GLOBAL HOLDINGS INC	COM	G8232Y101	243	8,166	SH	SOLE	1	8,166	0	0
SMART SAND INC	COM	83191H107	33	14,650	SH	SOLE	1	14,650	0	0
SMARTFINANCIAL INC	COM	83190L208	137	7,483	SH	SOLE	1	7,483	0	0
SMITH (A.O.) CORP	COM	831865209	2,405	56,326	SH	SOLE	1	56,326	0	0
SNAP ON INC	COM	833034101	3,195	21,990	SH	SOLE	1	21,990	0	0
SOLAREEDGE TECHNOLOGIES INC	COM	83417M104	178	5,063	SH	SOLE	1	5,063	0	0
SOLARIS OILFIELD INFRAST A	COM	83418M103	213	17,648	SH	SOLE	1	17,648	0	0
SOLARWINDS CORP	COM	83417Q105	7	490	SH	SOLE	1	490	0	0
SOLID BIOSCIENCES INC	COM	83422E105	215	8,024	SH	SOLE	1	8,024	0	0
SONIC AUTOMOTIVE INC CLASS A	COM	83545G102	256	18,571	SH	SOLE	1	18,571	0	0
SONOCO PRODUCTS CO	COM	835495102	10,807	203,413	SH	SOLE	1	203,413	0	0
SONOS INC	COM	83570H108	104	10,557	SH	SOLE	1	10,557	0	0
SORRENTO THERAPEUTICS INC	COM	83587F202	173	71,976	SH	SOLE	1	71,976	0	0
SOTHEBY S	COM	835898107	3,717	93,529	SH	SOLE	1	93,529	0	0
SOUTH JERSEY INDUSTRIES	COM	838518108	1,851	66,571	SH	SOLE	1	66,571	0	0
SOUTH STATE CORP	COM	840441109	1,443	24,066	SH	SOLE	1	24,066	0	0
SOUTHERN CO/THE	COM	842587107	15,300	348,366	SH	SOLE	1	348,366	0	0
SOUTHERN COPPER CORP	COM	84265V105	45	1,474	SH	SOLE	1	1,474	0	0
SOUTHERN FIRST BANCSHARES	COM	842873101	145	4,519	SH	SOLE	1	4,519	0	0

SOUTHERN MISSOURI BANCORP	COM	843380106	158	4,671	SH	SOLE	1	4,671	0	0
SOUTHERN NATL BANCORP OF VA	COM	843395104	170	12,867	SH	SOLE	1	12,867	0	0
SOUTHSIDE BANCSHARES INC	COM	84470P109	818	25,767	SH	SOLE	1	25,767	0	0
SOUTHWEST AIRLINES CO	COM	844741108	9,499	204,365	SH	SOLE	1	204,365	0	0
SOUTHWEST GAS HOLDINGS INC	COM	844895102	10,662	139,372	SH	SOLE	1	139,372	0	0
SOUTHWESTERN ENERGY CO	COM	845467109	5,328	1,562,575	SH	SOLE	1	1,562,575	0	0
SP PLUS CORP	COM	78469C103	440	14,903	SH	SOLE	1	14,903	0	0
SPARK ENERGY INC CLASS A	COM	846511103	56	7,593	SH	SOLE	1	7,593	0	0
SPARK THERAPEUTICS INC	COM	84652J103	810	20,706	SH	SOLE	1	20,706	0	0
SPARTAN MOTORS INC	COM	846819100	162	22,465	SH	SOLE	1	22,465	0	0
SPARTANNASH CO	COM	847215100	476	27,683	SH	SOLE	1	27,683	0	0
SPARTON CORP	COM	847235108	115	6,321	SH	SOLE	1	6,321	0	0
SPDR PORTFOLIO S(PLUS)P 500 GROWTH	COM	78464A409	13,603	418,560	SH	SOLE	1	418,560	0	0
SPDR S(PLUS)P 500 ETF TRUST	COM	78462F103	54,333	217,400	SH	SOLE	1	217,400	0	0
SPDR S(PLUS)P MIDCAP 400 ETF TRUST	COM	78467Y107	9,141	30,200	SH	SOLE	1	30,200	0	0
SPECTRUM BRANDS HOLDINGS INC	COM	84790A105	36	855	SH	SOLE	1	855	0	0
SPECTRUM PHARMACEUTICALS INC	COM	84763A108	686	78,343	SH	SOLE	1	78,343	0	0
SPEEDWAY MOTORSPORTS INC	COM	847788106	123	7,541	SH	SOLE	1	7,541	0	0
SPERO THERAPEUTICS INC	COM	84833T103	34	5,548	SH	SOLE	1	5,548	0	0
SPIRE INC	COM	84857L101	2,846	38,419	SH	SOLE	1	38,419	0	0
SPIRIT AEROSYSTEMS HOLD CL A	COM	848574109	185	2,563	SH	SOLE	1	2,563	0	0
SPIRIT AIRLINES INC	COM	848577102	2,617	45,191	SH	SOLE	1	45,191	0	0
SPIRIT MTA REIT	COM	84861U105	202	28,342	SH	SOLE	1	28,342	0	0
SPIRIT OF TEXAS BANCSHARES I	COM	84861D103	138	6,043	SH	SOLE	1	6,043	0	0
SPIRIT REALTY CAPITAL INC	COM	84860W300	55	1,551	SH	SOLE	1	1,551	0	0
SPLUNK INC	COM	848637104	372	3,546	SH	SOLE	1	3,546	0	0
SPOK HOLDINGS INC	COM	84863T106	188	14,182	SH	SOLE	1	14,182	0	0
SPORTSMAN S WAREHOUSE HOLDIN	COM	84920Y106	107	24,455	SH	SOLE	1	24,455	0	0
SPRING BANK PHARMACEUTICALS	COM	849431101	95	9,120	SH	SOLE	1	9,120	0	0
SPRINT CORP	COM	85207U105	70	11,947	SH	SOLE	1	11,947	0	0
SPROUTS FARMERS MARKET INC	COM	85208M102	6,132	260,808	SH	SOLE	1	260,808	0	0
SPS COMMERCE INC	COM	78463M107	1,103	13,389	SH	SOLE	1	13,389	0	0
SPX CORP	COM	784635104	937	33,460	SH	SOLE	1	33,460	0	0
SPX FLOW INC	COM	78469X107	997	32,767	SH	SOLE	1	32,767	0	0
SQUARE INC A	COM	852234103	518	9,236	SH	SOLE	1	9,236	0	0
SRC ENERGY INC	COM	78470V108	883	187,871	SH	SOLE	1	187,871	0	0
SS(PLUS)C TECHNOLOGIES HOLDINGS	COM	78467J100	221	4,901	SH	SOLE	1	4,901	0	0

ST JOE CO/THE	COM	790148100	302	22,961	SH	SOLE	1	22,961	0	0
STAAR SURGICAL CO	COM	852312305	924	28,941	SH	SOLE	1	28,941	0	0
STAG INDUSTRIAL INC	COM	85254J102	1,603	64,446	SH	SOLE	1	64,446	0	0
STAMPS.COM INC	COM	852857200	2,114	13,581	SH	SOLE	1	13,581	0	0
STANDARD MOTOR PRODS	COM	853666105	792	16,359	SH	SOLE	1	16,359	0	0
STANDEX INTERNATIONAL CORP	COM	854231107	664	9,891	SH	SOLE	1	9,891	0	0
STANLEY BLACK (PLUS) DECKER INC	COM	854502101	8,868	74,057	SH	SOLE	1	74,057	0	0
STARBUCKS CORP	COM	855244109	37,884	588,266	SH	SOLE	1	588,266	0	0
STARWOOD PROPERTY TRUST INC	COM	85571B105	96	4,895	SH	SOLE	1	4,895	0	0
STATE AUTO FINANCIAL CORP	COM	855707105	374	10,998	SH	SOLE	1	10,998	0	0
STATE BANK FINANCIAL CORP	COM	856190103	536	24,841	SH	SOLE	1	24,841	0	0
STATE STREET CORP	COM	857477103	9,572	151,769	SH	SOLE	1	151,769	0	0
STEEL DYNAMICS INC	COM	858119100	14,058	467,970	SH	SOLE	1	467,970	0	0
STEEL PARTNERS HLDGS	COM UNITS	85814R107	9,344	697,311	SH	SOLE	2	697,311	0	0
STEELCASE INC CL A	COM	858155203	829	55,871	SH	SOLE	1	55,871	0	0
STEMLINE THERAPEUTICS INC	COM	85858C107	177	18,614	SH	SOLE	1	18,614	0	0
STEPAN CO	COM	858586100	1,164	15,733	SH	SOLE	1	15,733	0	0
STERICYCLE INC	COM	858912108	6,367	173,538	SH	SOLE	1	173,538	0	0
STERIS PLC	COM	G84720104	18,402	172,221	SH	SOLE	1	172,221	0	0
STERLING BANCORP INC/MI	COM	85917W102	100	14,408	SH	SOLE	1	14,408	0	0
STERLING BANCORP/DE	COM	85917A100	7,552	457,422	SH	SOLE	1	457,422	0	0
STERLING CONSTRUCTION CO	COM	859241101	191	17,557	SH	SOLE	1	17,557	0	0
STEVEN MADDEN LTD	COM	556269108	2,019	66,735	SH	SOLE	1	66,735	0	0
STEWART INFORMATION SERVICES	COM	860372101	754	18,204	SH	SOLE	1	18,204	0	0
STIFEL FINANCIAL CORP	COM	860630102	7,919	191,177	SH	SOLE	1	191,177	0	0
STOCK YARDS BANCORP INC	COM	861025104	465	14,186	SH	SOLE	1	14,186	0	0
STONERIDGE INC	COM	86183P102	446	18,090	SH	SOLE	1	18,090	0	0
STORE CAPITAL CORP	COM	862121100	99	3,496	SH	SOLE	1	3,496	0	0
STRATASYS LTD	COM	M85548101	601	33,362	SH	SOLE	1	33,362	0	0
STRATEGIC EDUCATION INC	COM	86272C103	1,850	16,315	SH	SOLE	1	16,315	0	0
STRATUS PROPERTIES INC	COM	863167201	93	3,865	SH	SOLE	1	3,865	0	0
STRYKER CORP	COM	863667101	19,749	125,991	SH	SOLE	1	125,991	0	0
STURM RUGER (PLUS) CO INC	COM	864159108	698	13,123	SH	SOLE	1	13,123	0	0
SUMMIT FINANCIAL GROUP INC	COM	86606G101	139	7,212	SH	SOLE	1	7,212	0	0
SUMMIT HOTEL PROPERTIES INC	COM	866082100	783	80,435	SH	SOLE	1	80,435	0	0
SUMMIT MATERIALS INC CL A	COM	86614U100	916	73,841	SH	SOLE	1	73,841	0	0

SUN COMMUNITIES INC	COM	866674104	156	1,534	SH	SOLE	1	1,534	0	0
SUN HYDRAULICS CORP	COM	866942105	632	19,045	SH	SOLE	1	19,045	0	0
SUNCOKE ENERGY INC	COM	86722A103	431	50,412	SH	SOLE	1	50,412	0	0
SUNPOWER CORP	COM	867652406	202	40,564	SH	SOLE	1	40,564	0	0
SUNRUN INC	COM	86771W105	693	63,650	SH	SOLE	1	63,650	0	0
SUNSTONE HOTEL INVESTORS INC	COM	867892101	1,955	150,296	SH	SOLE	1	150,296	0	0
SUNTRUST BANKS INC	COM	867914103	10,538	208,919	SH	SOLE	1	208,919	0	0
SUPERIOR ENERGY SERVICES INC	COM	868157108	399	119,189	SH	SOLE	1	119,189	0	0
SUPERIOR GROUP OF COS INC	COM	868358102	105	5,963	SH	SOLE	1	5,963	0	0
SUPERIOR INDUSTRIES INTL	COM	868168105	91	18,893	SH	SOLE	1	18,893	0	0
SUPERNUS PHARMACEUTICALS INC	COM	868459108	1,275	38,391	SH	SOLE	1	38,391	0	0
SURFACE ONCOLOGY INC	COM	86877M209	32	7,441	SH	SOLE	1	7,441	0	0
SURGERY PARTNERS INC	COM	86881A100	120	12,255	SH	SOLE	1	12,255	0	0
SURMODICS INC	COM	868873100	478	10,114	SH	SOLE	1	10,114	0	0
SUTRO BIOPHARMA INC	COM	869367102	38	4,209	SH	SOLE	1	4,209	0	0
SVB FINANCIAL GROUP	COM	78486Q101	3,785	19,929	SH	SOLE	1	19,929	0	0
SVMK INC	COM	78489X103	143	11,629	SH	SOLE	1	11,629	0	0
SWITCH INC A	COM	87105L104	6	864	SH	SOLE	1	864	0	0
SYKES ENTERPRISES INC	COM	871237103	760	30,724	SH	SOLE	1	30,724	0	0
SYMANTEC CORP	COM	871503108	5,034	266,442	SH	SOLE	1	266,442	0	0
SYNALLOY CORP	COM	871565107	90	5,443	SH	SOLE	1	5,443	0	0
SYNAPTICS INC	COM	87157D109	3,452	92,767	SH	SOLE	1	92,767	0	0
SYNCHRONY FINANCIAL	COM	87165B103	5,859	249,764	SH	SOLE	1	249,764	0	0
SYNDAX PHARMACEUTICALS INC	COM	87164F105	41	9,226	SH	SOLE	1	9,226	0	0
SYNEOS HEALTH INC	COM	87166B102	6,448	163,866	SH	SOLE	1	163,866	0	0
SYNERGY PHARMACEUTICALS INC	COM	871639308	19	163,644	SH	SOLE	1	163,644	0	0
SYNLOGIC INC	COM	87166L100	71	10,141	SH	SOLE	1	10,141	0	0
SYNNEX CORP	COM	87162W100	8,981	111,098	SH	SOLE	1	111,098	0	0
SYNOPSIS INC	COM	871607107	5,167	61,338	SH	SOLE	1	61,338	0	0
SYNOVUS FINANCIAL CORP	COM	87161C501	7,591	237,278	SH	SOLE	1	237,278	0	0
SYROS PHARMACEUTICALS INC	COM	87184Q107	93	16,655	SH	SOLE	1	16,655	0	0
SYSCO CORP	COM	871829107	9,937	158,587	SH	SOLE	1	158,587	0	0
SYSTEMAX INC	COM	871851101	192	8,049	SH	SOLE	1	8,049	0	0
T MOBILE US INC	COM	872590104	3,439	54,071	SH	SOLE	1	54,071	0	0
T ROWE PRICE GROUP INC	COM	74144T108	13,769	149,139	SH	SOLE	1	149,139	0	0
T2 BIOSYSTEMS INC	COM	89853L104	62	20,449	SH	SOLE	1	20,449	0	0
TABLEAU SOFTWARE INC CL A	COM	87336U105	207	1,727	SH	SOLE	1	1,727	0	0
TABULA RASA HEALTHCARE INC	COM	873379101	871	13,656	SH	SOLE	1	13,656	0	0
TACTILE SYSTEMS TECHNOLOGY I	COM	87357P100	617	13,552	SH	SOLE	1	13,552	0	0
TAHOE RESOURCES INC	COM	873868103	747	204,522	SH	SOLE	1	204,522	0	0

TAILORED BRANDS INC	COM	87403A107	526	38,584	SH	SOLE	1	38,584	0	0
TAKE TWO INTERACTIVE SOFTWARE	COM	874054109	4,858	47,191	SH	SOLE	1	47,191	0	0
TAL EDUCATION GROUP ADR	ADR	874080104	148	5,563	SH	SOLE	1	5,563	0	0
TALOS ENERGY INC	COM	87484T108	217	13,266	SH	SOLE	1	13,266	0	0
TANDEM DIABETES CARE INC	COM	875372203	1,275	33,570	SH	SOLE	1	33,570	0	0
TANGER FACTORY OUTLET CENTER	COM	875465106	5,060	250,226	SH	SOLE	1	250,226	0	0
TAPESTRY INC	COM	876030107	4,478	132,694	SH	SOLE	1	132,694	0	0
TARGA RESOURCES CORP	COM	87612G101	331	9,194	SH	SOLE	1	9,194	0	0
TARGET CORP	COM	87612E106	11,677	176,685	SH	SOLE	1	176,685	0	0
TATA MOTORS LTD SPON ADR	ADR	876568502	43	3,514	SH	SOLE	1	3,514	0	0
TAUBMAN CENTERS INC	COM	876664103	5,677	124,793	SH	SOLE	1	124,793	0	0
TAYLOR MORRISON HOME CORP A	COM	87724P106	1,225	77,057	SH	SOLE	1	77,057	0	0
TCF FINANCIAL CORP	COM	872275102	6,626	339,961	SH	SOLE	1	339,961	0	0
TD AMERITRADE HOLDING CORP	COM	87236Y108	409	8,363	SH	SOLE	1	8,363	0	0
TE CONNECTIVITY LTD	COM	H84989104	9,142	120,879	SH	SOLE	1	120,879	0	0
TEAM INC	COM	878155100	337	23,024	SH	SOLE	1	23,024	0	0
TECH DATA CORP	COM	878237106	8,228	100,569	SH	SOLE	1	100,569	0	0
TECHNIPFMC PLC	COM	G87110105	3,345	170,861	SH	SOLE	1	170,861	0	0
TECHTARGET	COM	87874R100	195	15,982	SH	SOLE	1	15,982	0	0
TEEKAY CORP	COM	Y8564W103	151	45,115	SH	SOLE	1	45,115	0	0
TEEKAY TANKERS LTD CLASS A	COM	Y8565N102	117	125,863	SH	SOLE	1	125,863	0	0
TEGNA INC	COM	87901J105	6,856	630,706	SH	SOLE	1	630,706	0	0
TEJON RANCH CO	COM	879080109	230	13,851	SH	SOLE	1	13,851	0	0
TELADOC HEALTH INC	COM	87918A105	2,187	44,123	SH	SOLE	1	44,123	0	0
TELARIA INC	COM	879181105	79	28,900	SH	SOLE	1	28,900	0	0
TELEDYNE TECHNOLOGIES INC	COM	879360105	15,225	73,527	SH	SOLE	1	73,527	0	0
TELEFLEX INC	COM	879369106	24,238	93,770	SH	SOLE	1	93,770	0	0
TELENAV INC	COM	879455103	83	20,390	SH	SOLE	1	20,390	0	0
TELEPHONE AND DATA SYSTEMS	COM	879433829	6,168	189,556	SH	SOLE	1	189,556	0	0
TELIGENT INC	COM	87960W104	37	27,079	SH	SOLE	1	27,079	0	0
TELLURIAN INC	COM	87968A104	390	56,057	SH	SOLE	1	56,057	0	0
TEMPUR SEALY INTERNATIONAL I	COM	88023U101	3,875	93,601	SH	SOLE	1	93,601	0	0
TENABLE HOLDINGS INC	COM	88025T102	184	8,290	SH	SOLE	1	8,290	0	0
TENET HEALTHCARE CORP	COM	88033G407	3,819	222,833	SH	SOLE	1	222,833	0	0
TENNANT CO	COM	880345103	724	13,890	SH	SOLE	1	13,890	0	0
TENNECO INC CLASS A	COM	880349105	917	33,494	SH	SOLE	1	33,494	0	0
TERADATA CORP	COM	88076W103	9,262	241,456	SH	SOLE	1	241,456	0	0
TERADYNE INC	COM	880770102	11,471	365,552	SH	SOLE	1	365,552	0	0
TEREX CORP	COM	880779103	3,646	132,253	SH	SOLE	1	132,253	0	0

TERRAFORM POWER INC A	COM	88104R209	540	48,161	SH	SOLE	1	48,161	0	0
TERRENO REALTY CORP	COM	88146M101	1,346	38,276	SH	SOLE	1	38,276	0	0
TERRITORIAL BANCORP INC	COM	88145X108	133	5,125	SH	SOLE	1	5,125	0	0
TESARO INC	ADR	881569107	69	932	SH	SOLE	1	932	0	0
TESLA INC	COM	88160R101	3,445	10,352	SH	SOLE	1	10,352	0	0
TETRA TECH INC	COM	88162G103	2,227	43,018	SH	SOLE	1	43,018	0	0
TETRA TECHNOLOGIES INC	COM	88162F105	160	94,960	SH	SOLE	1	94,960	0	0
TETRAPHASE PHARMACEUTICALS I	COM	88165N105	39	34,768	SH	SOLE	1	34,768	0	0
TEVA PHARMACEUTICAL SP ADR	ADR	881624209	1,633	105,918	SH	SOLE	1	105,918	0	0
TEXAS CAPITAL BANCSHARES INC	COM	88224Q107	5,235	102,465	SH	SOLE	1	102,465	0	0
TEXAS INSTRUMENTS INC	ADR	882508104	408,311	4,320,755	SH	SOLE	1	4,320,755	0	0
TEXAS ROADHOUSE INC	COM	882681109	10,691	179,084	SH	SOLE	1	179,084	0	0
TEXTAINER GROUP HOLDINGS LTD	COM	G8766E109	179	17,952	SH	SOLE	1	17,952	0	0
TEXTRON INC	COM	883203101	3,999	86,944	SH	SOLE	1	86,944	0	0
TFS FINANCIAL CORP	COM	87240R107	14	898	SH	SOLE	1	898	0	0
TG THERAPEUTICS INC	COM	88322Q108	170	41,350	SH	SOLE	1	41,350	0	0
THE BANK OF PRINCETON	COM	064520109	106	3,803	SH	SOLE	1	3,803	0	0
THERAPEUTICSMID INC	COM	88338N107	458	120,278	SH	SOLE	1	120,278	0	0
THERAVANCE BIOPHARMA INC	COM	G8807B106	729	28,498	SH	SOLE	1	28,498	0	0
THERMO FISHER SCIENTIFIC INC	COM	883556102	37,485	167,501	SH	SOLE	1	167,501	0	0
THERMON GROUP HOLDINGS INC	COM	88362T103	433	21,338	SH	SOLE	1	21,338	0	0
THIRD POINT REINSURANCE LTD	COM	G8827U100	556	57,693	SH	SOLE	1	57,693	0	0
THOR INDUSTRIES INC	COM	885160101	5,330	102,505	SH	SOLE	1	102,505	0	0
TIDEWATER INC	COM	88642R109	356	18,586	SH	SOLE	1	18,586	0	0
TIDEWATER INC NEW	COM	88642R109	44,788	2,341,223	SH	SOLE	2	2,341,223	0	0
TIER REIT INC	COM	88650V208	729	35,322	SH	SOLE	1	35,322	0	0
TIFFANY (PLUS) CO	COM	886547108	3,557	44,187	SH	SOLE	1	44,187	0	0
TILE SHOP HLDGS INC	COM	88677Q109	170	31,070	SH	SOLE	1	31,070	0	0
TILLY S INC CLASS A SHRS	COM	886885102	147	13,507	SH	SOLE	1	13,507	0	0
TIMBERLAND BANCORP INC	COM	887098101	96	4,295	SH	SOLE	1	4,295	0	0
TIMKEN CO	COM	887389104	5,262	140,988	SH	SOLE	1	140,988	0	0
TIMKENSTEEL CORP	COM	887399103	271	30,953	SH	SOLE	1	30,953	0	0
TIPTREE INC	COM	88822Q103	98	17,473	SH	SOLE	1	17,473	0	0
TITAN INTERNATIONAL INC	COM	88830M102	182	39,004	SH	SOLE	1	39,004	0	0
TITAN MACHINERY INC	COM	88830R101	163	12,411	SH	SOLE	1	12,411	0	0
TIVITY HEALTH INC	COM	88870R102	773	31,151	SH	SOLE	1	31,151	0	0
TIVO CORP	COM	88870P106	886	94,109	SH	SOLE	1	94,109	0	0
TJX COMPANIES INC	COM	872540109	21,946	490,521	SH	SOLE	1	490,521	0	0
TOCAGEN INC	COM	888846102	96	11,735	SH	SOLE	1	11,735	0	0

TOLL BROTHERS INC	COM	889478103	9,337	283,529	SH	SOLE	1	283,529	0	0
TOMPKINS FINANCIAL CORP	COM	890110109	837	11,165	SH	SOLE	1	11,165	0	0
TOOTSIE ROLL INDS	COM	890516107	1,611	48,221	SH	SOLE	1	48,221	0	0
TOPBUILD CORP	COM	89055F103	1,238	27,519	SH	SOLE	1	27,519	0	0
TORCHMARK CORP	COM	891027104	3,278	43,977	SH	SOLE	1	43,977	0	0
TORO CO	COM	891092108	12,014	215,002	SH	SOLE	1	215,002	0	0
TOTAL SYSTEM SERVICES INC	COM	891906109	5,011	61,638	SH	SOLE	1	61,638	0	0
TOWER INTERNATIONAL INC	COM	891826109	311	13,055	SH	SOLE	1	13,055	0	0
TOWN SPORTS INTERNATIONAL	COM	89214A102	61	9,537	SH	SOLE	1	9,537	0	0
TOWNE BANK	COM	89214P109	1,039	43,395	SH	SOLE	1	43,395	0	0
TPG RE FINANCE TRUST INC	ADR	87266M107	423	23,146	SH	SOLE	1	23,146	0	0
TPI COMPOSITES INC	COM	87266J104	236	9,588	SH	SOLE	1	9,588	0	0
TRACTOR SUPPLY COMPANY	COM	892356106	3,739	44,807	SH	SOLE	1	44,807	0	0
TRADE DESK INC/THE CLASS A	COM	88339J105	2,546	21,940	SH	SOLE	1	21,940	0	0
TRANSCONTINENTAL REALTY INV	COM	893617209	31	1,103	SH	SOLE	1	1,103	0	0
TRANSDIGM GROUP INC	COM	893641100	12,371	36,380	SH	SOLE	1	36,380	0	0
TRANSENERIX INC	COM	89366M201	238	105,196	SH	SOLE	1	105,196	0	0
TRANSLATE BIO INC	COM	89374L104	48	6,455	SH	SOLE	1	6,455	0	0
TRANSOCEAN LTD	COM	H8817H100	7,564	1,089,920	SH	SOLE	1	1,089,920	0	0
TRANSOCEAN LTD	COM	H8817H100	28	4,015	SH	SOLE	2	4,015	0	0
TRANSUNION	COM	89400J107	253	4,450	SH	SOLE	1	4,450	0	0
TRAVELERS COS INC/THE	COM	89417E109	16,246	135,670	SH	SOLE	1	135,670	0	0
TRAVELPORT WORLDWIDE LTD	COM	G9019D104	1,532	98,091	SH	SOLE	1	98,091	0	0
TRAVELZOO	COM	89421Q205	30	3,065	SH	SOLE	1	3,065	0	0
TRECORA RESOURCES	COM	894648104	106	13,650	SH	SOLE	1	13,650	0	0
TREDEGAR CORP	COM	894650100	318	20,047	SH	SOLE	1	20,047	0	0
TREEHOUSE FOODS INC	COM	89469A104	5,787	114,110	SH	SOLE	1	114,110	0	0
TREX COMPANY INC	COM	89531P105	2,721	45,845	SH	SOLE	1	45,845	0	0
TRI POINTE GROUP INC	COM	87265H109	4,160	380,581	SH	SOLE	1	380,581	0	0
TRIBUNE MEDIA CO A	COM	896047503	72	1,588	SH	SOLE	1	1,588	0	0
TRIBUNE PUBLISHING CO	COM	89609W107	129	11,345	SH	SOLE	1	11,345	0	0
TRICIDA INC	COM	89610F101	181	7,685	SH	SOLE	1	7,685	0	0
TRICO BANCSHARES	COM	896095106	568	16,803	SH	SOLE	1	16,803	0	0
TRIMAS CORP	COM	896215209	824	30,181	SH	SOLE	1	30,181	0	0
TRIMBLE INC	COM	896239100	16,846	511,880	SH	SOLE	1	511,880	0	0
TRINET GROUP INC	COM	896288107	1,205	28,723	SH	SOLE	1	28,723	0	0
TRINITY INDUSTRIES INC	COM	896522109	6,140	298,214	SH	SOLE	1	298,214	0	0
TRINITY PLACE HOLDINGS INC	COM	89656D101	50	11,550	SH	SOLE	1	11,550	0	0
TRINSEO SA	COM	L9340P101	1,879	41,051	SH	SOLE	1	41,051	0	0
TRIPADVISOR INC	COM	896945201	2,941	54,515	SH	SOLE	1	54,515	0	0

TRIPLE S MANAGEMENT CORP B	COM	896749108	253	14,542	SH	SOLE	1	14,542	0	0
TRISTATE CAPITAL HLDGS INC	COM	89678F100	314	16,154	SH	SOLE	1	16,154	0	0
TRITON INTERNATIONAL LTD/BER	COM	G9078F107	1,057	34,017	SH	SOLE	1	34,017	0	0
TRIUMPH BANCORP INC	COM	89679E300	554	18,639	SH	SOLE	1	18,639	0	0
TRIUMPH GROUP INC	COM	896818101	437	37,962	SH	SOLE	1	37,962	0	0
TRONOX LTD CL A	COM	Q9235V101	480	61,654	SH	SOLE	1	61,654	0	0
TRUEBLUE INC	COM	89785X101	696	31,283	SH	SOLE	1	31,283	0	0
TRUECAR INC	COM	89785L107	552	60,902	SH	SOLE	1	60,902	0	0
TRUPANION INC	COM	898202106	422	16,592	SH	SOLE	1	16,592	0	0
TRUSTCO BANK CORP NY	COM	898349105	501	73,028	SH	SOLE	1	73,028	0	0
TRUSTMARK CORP	COM	898402102	5,102	179,463	SH	SOLE	1	179,463	0	0
TTEC HOLDINGS INC	COM	89854H102	313	10,949	SH	SOLE	1	10,949	0	0
TTM TECHNOLOGIES	COM	87305R109	707	72,642	SH	SOLE	1	72,642	0	0
TUCOWS INC CLASS A	COM	898697206	376	6,263	SH	SOLE	1	6,263	0	0
TUPPERWARE BRANDS CORP	COM	899896104	4,112	130,251	SH	SOLE	1	130,251	0	0
TURNING POINT BRANDS INC	COM	90041L105	142	5,209	SH	SOLE	1	5,209	0	0
TURTLE BEACH CORP	COM	900450206	74	5,175	SH	SOLE	1	5,175	0	0
TUTOR PERINI CORP	COM	901109108	394	24,644	SH	SOLE	1	24,644	0	0
TWENTY FIRST CENTURY FOX B	COM	90130A200	10,062	210,587	SH	SOLE	1	210,587	0	0
TWENTY FIRST CENTURY FOX A	COM	90130A101	22,695	471,633	SH	SOLE	1	471,633	0	0
TWILIO INC A	COM	90138F102	159	1,784	SH	SOLE	1	1,784	0	0
TWIN DISC INC	COM	901476101	92	6,207	SH	SOLE	1	6,207	0	0
TWIST BIOSCIENCE CORP	COM	90184D100	77	3,323	SH	SOLE	1	3,323	0	0
TWITTER INC	COM	90184L102	8,266	287,615	SH	SOLE	1	287,615	0	0
TWO HARBORS INVESTMENT CORP	COM	90187B408	57	4,453	SH	SOLE	1	4,453	0	0
TYLER TECHNOLOGIES INC	COM	902252105	14,745	79,352	SH	SOLE	1	79,352	0	0
TYME TECHNOLOGIES INC	COM	90238J103	253	68,450	SH	SOLE	1	68,450	0	0
TYSON FOODS INC CL A	COM	902494103	7,337	137,395	SH	SOLE	1	137,395	0	0
U.S. PHYSICAL THERAPY INC	COM	90337L108	993	9,702	SH	SOLE	1	9,702	0	0
UBIQUITI NETWORKS INC	COM	90347A100	36	363	SH	SOLE	1	363	0	0
UDR INC	COM	902653104	3,821	96,434	SH	SOLE	1	96,434	0	0
UFP TECHNOLOGIES INC	COM	902673102	131	4,359	SH	SOLE	1	4,359	0	0
UGI CORP	COM	902681105	19,213	360,122	SH	SOLE	1	360,122	0	0
ULTA BEAUTY INC	COM	90384S303	6,425	26,241	SH	SOLE	1	26,241	0	0
ULTIMATE SOFTWARE GROUP INC	COM	90385D107	15,648	63,903	SH	SOLE	1	63,903	0	0
ULTRA CLEAN HOLDINGS INC	COM	90385V107	253	29,899	SH	SOLE	1	29,899	0	0
ULTRA PETROLEUM CORP	COM	903914208	80	104,831	SH	SOLE	1	104,831	0	0
ULTRAGENYX PHARMACEUTICAL IN	COM	90400D108	1,368	31,456	SH	SOLE	1	31,456	0	0
UMB FINANCIAL CORP	COM	902788108	7,349	120,535	SH	SOLE	1	120,535	0	0

UMH PROPERTIES INC	COM	903002103	263	22,229	SH	SOLE	1	22,229	0	0
UMPQUA HOLDINGS CORP	COM	904214103	7,137	448,893	SH	SOLE	1	448,893	0	0
UNDER ARMOUR INC CLASS A	COM	904311107	1,173	66,398	SH	SOLE	1	66,398	0	0
UNDER ARMOUR INC CLASS C	COM	904311206	1,101	68,075	SH	SOLE	1	68,075	0	0
UNIFI INC	COM	904677200	274	11,996	SH	SOLE	1	11,996	0	0
UNIFIRST CORP/MA	COM	904708104	1,697	11,864	SH	SOLE	1	11,864	0	0
UNION BANKSHARES CORP	COM	90539J109	1,218	43,128	SH	SOLE	1	43,128	0	0
UNION BANKSHARES INC /VT	COM	905400107	122	2,564	SH	SOLE	1	2,564	0	0
UNION PACIFIC CORP	COM	907818108	49,299	356,644	SH	SOLE	1	356,644	0	0
UNISYS CORP	COM	909214306	456	39,242	SH	SOLE	1	39,242	0	0
UNIT CORP	COM	909218109	583	40,827	SH	SOLE	1	40,827	0	0
UNITED BANKSHARES INC	COM	909907107	8,533	274,270	SH	SOLE	1	274,270	0	0
UNITED COMMUNITY BANKS/GA	COM	90984P303	1,308	60,970	SH	SOLE	1	60,970	0	0
UNITED COMMUNITY FINANCIAL	COM	909839102	283	31,929	SH	SOLE	1	31,929	0	0
UNITED CONTINENTAL HOLDINGS	COM	910047109	9,140	109,158	SH	SOLE	1	109,158	0	0
UNITED FINANCIAL BANCORP INC	COM	910304104	491	33,393	SH	SOLE	1	33,393	0	0
UNITED FIRE GROUP INC	COM	910340108	907	16,360	SH	SOLE	1	16,360	0	0
UNITED INSURANCE HOLDINGS CO	COM	910710102	267	16,061	SH	SOLE	1	16,061	0	0
UNITED NATURAL FOODS INC	COM	911163103	421	39,773	SH	SOLE	1	39,773	0	0
UNITED PARCEL SERVICE CL B	COM	911312106	26,544	272,158	SH	SOLE	1	272,158	0	0
UNITED RENTALS INC	COM	911363109	3,247	31,671	SH	SOLE	1	31,671	0	0
UNITED SECURITY BANCSHARE/CA	COM	911460103	83	8,640	SH	SOLE	1	8,640	0	0
UNITED STATES LIME (PLUS) MINERAL	COM	911922102	93	1,314	SH	SOLE	1	1,314	0	0
UNITED STATES STEEL CORP	COM	912909108	6,590	361,308	SH	SOLE	1	361,308	0	0
UNITED TECHNOLOGIES CORP	COM	913017109	42,078	395,173	SH	SOLE	1	395,173	0	0
UNITED THERAPEUTICS CORP	COM	91307C102	9,816	90,135	SH	SOLE	1	90,135	0	0
UNITEDHEALTH GROUP INC	COM	91324P102	81,146	325,730	SH	SOLE	1	325,730	0	0
UNITI GROUP INC	COM	91325V108	5,676	364,559	SH	SOLE	1	364,559	0	0
UNITIL CORP	COM	913259107	485	9,586	SH	SOLE	1	9,586	0	0
UNITY BANCORP INC	COM	913290102	106	5,085	SH	SOLE	1	5,085	0	0
UNITY BIOTECHNOLOGY INC	COM	91381U101	266	16,386	SH	SOLE	1	16,386	0	0
UNIVAR INC	COM	91336L107	39	2,194	SH	SOLE	1	2,194	0	0
UNIVERSAL CORP/VA	COM	913456109	1,040	19,207	SH	SOLE	1	19,207	0	0
UNIVERSAL DISPLAY CORP	COM	91347P105	8,109	86,664	SH	SOLE	1	86,664	0	0
UNIVERSAL ELECTRONICS INC	COM	913483103	265	10,495	SH	SOLE	1	10,495	0	0
UNIVERSAL FOREST PRODUCTS	COM	913543104	1,213	46,744	SH	SOLE	1	46,744	0	0

UNIVERSAL HEALTH RLTY INCOME	COM	91359E105	609	9,930	SH	SOLE	1	9,930	0	0
UNIVERSAL HEALTH SERVICES B	COM	913903100	3,481	29,865	SH	SOLE	1	29,865	0	0
UNIVERSAL INSURANCE HOLDINGS	COM	91359V107	934	24,618	SH	SOLE	1	24,618	0	0
UNIVERSAL LOGISTICS HOLDINGS	COM	91388P105	99	5,473	SH	SOLE	1	5,473	0	0
UNIVERSAL STAINLESS (PLUS) ALLOY	COM	913837100	90	5,524	SH	SOLE	1	5,524	0	0
UNIVEST FINANCIAL CORP	COM	915271100	410	18,990	SH	SOLE	1	18,990	0	0
UNUM GROUP	COM	91529Y106	2,288	77,864	SH	SOLE	1	77,864	0	0
UNUM THERAPEUTICS INC	COM	903214104	55	12,531	SH	SOLE	1	12,531	0	0
UPLAND SOFTWARE INC	COM	91544A109	281	10,355	SH	SOLE	1	10,355	0	0
UPWORK INC	COM	91688F104	150	8,291	SH	SOLE	1	8,291	0	0
URANIUM ENERGY CORP	COM	916896103	143	114,690	SH	SOLE	1	114,690	0	0
URBAN EDGE PROPERTIES	COM	91704F104	5,035	302,964	SH	SOLE	1	302,964	0	0
URBAN OUTFITTERS INC	COM	917047102	5,113	154,003	SH	SOLE	1	154,003	0	0
URSTADT BIDDLE CLASS A	COM	917286205	442	22,979	SH	SOLE	1	22,979	0	0
US BANCORP	COM	902973304	31,143	681,469	SH	SOLE	1	681,469	0	0
US CELLULAR CORP	COM	911684108	12	235	SH	SOLE	1	235	0	0
US CONCRETE INC	COM	90333L201	440	12,472	SH	SOLE	1	12,472	0	0
US ECOLOGY INC	COM	91732J102	1,072	17,023	SH	SOLE	1	17,023	0	0
US FOODS HOLDING CORP	COM	912008109	126	3,982	SH	SOLE	1	3,982	0	0
US SILICA HOLDINGS INC	COM	90346E103	618	60,695	SH	SOLE	1	60,695	0	0
US XPRESS ENTERPRISES INC A	COM	90338N202	77	13,799	SH	SOLE	1	13,799	0	0
USA TECHNOLOGIES INC	COM	90328S500	146	37,518	SH	SOLE	1	37,518	0	0
USA TRUCK INC	COM	902925106	78	5,211	SH	SOLE	1	5,211	0	0
USANA HEALTH SCIENCES INC	COM	90328M107	982	8,341	SH	SOLE	1	8,341	0	0
USG CORP	COM	903293405	63	1,478	SH	SOLE	1	1,478	0	0
UTAH MEDICAL PRODUCTS INC	COM	917488108	188	2,262	SH	SOLE	1	2,262	0	0
VAIL RESORTS INC	COM	91879Q109	492	2,332	SH	SOLE	1	2,332	0	0
VALERO ENERGY CORP	COM	91913Y100	14,983	199,855	SH	SOLE	1	199,855	0	0
VALHI INC	COM	918905100	32	16,633	SH	SOLE	1	16,633	0	0
VALLEY NATIONAL BANCORP	COM	919794107	7,834	882,211	SH	SOLE	1	882,211	0	0
VALMONT INDUSTRIES	COM	920253101	4,995	45,021	SH	SOLE	1	45,021	0	0
VALUE LINE INC	COM	920437100	19	712	SH	SOLE	1	712	0	0
VALVOLINE INC	COM	92047W101	7,424	383,667	SH	SOLE	1	383,667	0	0
VANDA PHARMACEUTICALS INC	COM	921659108	1,045	39,981	SH	SOLE	1	39,981	0	0
VANGUARD RUSSELL 2000 ETF	COM	92206C664	43	400	SH	SOLE	1	400	0	0
VAPOTHERM INC	COM	922107107	61	3,056	SH	SOLE	1	3,056	0	0
VAREX IMAGING CORP	COM	92214X106	701	29,622	SH	SOLE	1	29,622	0	0
VARIAN MEDICAL SYSTEMS INC	COM	92220P105	3,989	35,203	SH	SOLE	1	35,203	0	0
VARONIS SYSTEMS INC	COM	922280102	983	18,588	SH	SOLE	1	18,588	0	0
VECTOR GROUP LTD	COM	92240M108	1,129	115,999	SH	SOLE	1	115,999	0	0

VECTREN CORP	COM	92240G101	12,190	169,346	SH	SOLE	1	169,346	0	0
VECTRUS INC	COM	92242T101	158	7,343	SH	SOLE	1	7,343	0	0
VEDANTA LTD ADR	ADR	92242Y100	41	3,558	SH	SOLE	1	3,558	0	0
VEECO INSTRUMENTS INC	COM	922417100	273	36,873	SH	SOLE	1	36,873	0	0
VEEVA SYSTEMS INC CLASS A	COM	922475108	374	4,186	SH	SOLE	1	4,186	0	0
VENTAS INC	COM	92276F100	8,560	146,102	SH	SOLE	1	146,102	0	0
VERA BRADLEY INC	COM	92335C106	150	17,469	SH	SOLE	1	17,469	0	0
VERACYTE INC	COM	92337F107	234	18,626	SH	SOLE	1	18,626	0	0
VERASTEM INC	COM	92337C104	152	45,236	SH	SOLE	1	45,236	0	0
VEREIT INC	COM	92339V100	126	17,583	SH	SOLE	1	17,583	0	0
VERICEL CORP	COM	92346J108	492	28,287	SH	SOLE	1	28,287	0	0
VERINT SYSTEMS INC	COM	92343X100	1,799	42,513	SH	SOLE	1	42,513	0	0
VERISIGN INC	COM	92343E102	8,541	57,594	SH	SOLE	1	57,594	0	0
VERISK ANALYTICS INC	COM	92345Y106	8,247	75,637	SH	SOLE	1	75,637	0	0
VERITEX HOLDINGS INC	COM	923451108	388	18,152	SH	SOLE	1	18,152	0	0
VERITIV CORP	COM	923454102	226	9,067	SH	SOLE	1	9,067	0	0
VERITONE INC	COM	92347M100	21	5,589	SH	SOLE	1	5,589	0	0
VERIZON COMMUNICATIONS INC	COM	92343V104	475,190	8,452,327	SH	SOLE	1	8,452,327	0	0
VERRICA PHARMACEUTICALS INC	COM	92511W108	31	3,821	SH	SOLE	1	3,821	0	0
VERSO CORP	COM	92531L207	1,256	56,083	SH	SOLE	2	56,083	0	0
VERSO CORP A	COM	92531L207	509	22,701	SH	SOLE	1	22,701	0	0
VERSUM MATERIALS INC	COM	92532W103	6,179	222,894	SH	SOLE	1	222,894	0	0
VERTEX PHARMACEUTICALS INC	COM	92532F100	19,364	116,856	SH	SOLE	1	116,856	0	0
VF CORP	COM	918204108	8,130	113,956	SH	SOLE	1	113,956	0	0
VIACOM INC CLASS A	COM	92553P102	5	182	SH	SOLE	1	182	0	0
VIACOM INC CLASS B	COM	92553P201	3,794	147,612	SH	SOLE	1	147,612	0	0
VIAD CORP	COM	92552R406	791	15,796	SH	SOLE	1	15,796	0	0
VIASAT INC	COM	92552V100	8,827	149,732	SH	SOLE	1	149,732	0	0
VIAVI SOLUTIONS INC	COM	925550105	1,775	176,608	SH	SOLE	1	176,608	0	0
VICI PROPERTIES INC	COM	925652109	137	7,316	SH	SOLE	1	7,316	0	0
VICOR CORP	COM	925815102	507	13,405	SH	SOLE	1	13,405	0	0
VIEWRAY INC	COM	92672L107	252	41,576	SH	SOLE	1	41,576	0	0
VIKING THERAPEUTICS INC	COM	92686J106	302	39,484	SH	SOLE	1	39,484	0	0
VILLAGE SUPER MARKET CLASS A	COM	927107409	145	5,411	SH	SOLE	1	5,411	0	0
VIPSHOP HOLDINGS LTD ADR	ADR	92763W103	38	6,933	SH	SOLE	1	6,933	0	0
VIRNETX HOLDING CORP	COM	92823T108	87	36,208	SH	SOLE	1	36,208	0	0
VIRTU FINANCIAL INC CLASS A	COM	928254101	24	944	SH	SOLE	1	944	0	0
VIRTUS INVESTMENT PARTNERS	COM	92828Q109	429	5,405	SH	SOLE	1	5,405	0	0
VIRTUSA CORP	COM	92827P102	935	21,958	SH	SOLE	1	21,958	0	0
VISA INC CLASS A SHARES	COM	92826C839	92,295	699,524	SH	SOLE	1	699,524	0	0

VISHAY INTERTECHNOLOGY INC	COM	928298108	6,379	354,167	SH	SOLE	1	354,167	0	0
VISHAY PRECISION GROUP	COM	92835K103	206	6,807	SH	SOLE	1	6,807	0	0
VISTA OUTDOOR INC	COM	928377100	504	44,368	SH	SOLE	1	44,368	0	0
VISTEON CORP	COM	92839U206	3,560	59,051	SH	SOLE	1	59,051	0	0
VISTRA ENERGY CORP	ADR	92840M102	165	7,215	SH	SOLE	1	7,215	0	0
VITAL THERAPIES INC	COM	92847R104	4	20,013	SH	SOLE	1	20,013	0	0
VITAMIN SHOPPE INC	COM	92849E101	9	1,841	SH	SOLE	1	1,841	0	0
VIVINT SOLAR INC	COM	92854Q106	79	20,754	SH	SOLE	1	20,754	0	0
VOCERA COMMUNICATIONS INC	COM	92857F107	782	19,869	SH	SOLE	1	19,869	0	0
VONAGE HOLDINGS CORP	COM	92886T201	1,498	171,558	SH	SOLE	1	171,558	0	0
VORNADO REALTY TRUST	COM	929042109	3,996	64,420	SH	SOLE	1	64,420	0	0
VOYA FINANCIAL INC	COM	929089100	2,488	61,975	SH	SOLE	1	61,975	0	0
VOYAGER THERAPEUTICS INC	COM	92915B106	133	14,124	SH	SOLE	1	14,124	0	0
VSE CORP	COM	918284100	171	5,707	SH	SOLE	1	5,707	0	0
VULCAN MATERIALS CO	COM	929160109	5,647	57,158	SH	SOLE	1	57,158	0	0
VUZIX CORP	COM	92921W300	75	15,504	SH	SOLE	1	15,504	0	0
W(PLUS)T OFFSHORE INC	COM	92922P106	252	61,226	SH	SOLE	1	61,226	0	0
WABASH NATIONAL CORP	COM	929566107	563	43,071	SH	SOLE	1	43,071	0	0
WABCO HOLDINGS INC	COM	92927K102	135	1,260	SH	SOLE	1	1,260	0	0
WABTEC CORP	COM	929740108	12,326	175,453	SH	SOLE	1	175,453	0	0
WADDELL (PLUS) REED FINANCIAL A	COM	930059100	1,093	60,438	SH	SOLE	1	60,438	0	0
WAGEWORKS INC	COM	930427109	836	30,790	SH	SOLE	1	30,790	0	0
WALGREENS BOOTS ALLIANCE INC	COM	931427108	29,607	433,299	SH	SOLE	1	433,299	0	0
WALKER (PLUS) DUNLOP INC	COM	93148P102	934	21,606	SH	SOLE	1	21,606	0	0
WALMART INC	COM	931142103	47,843	513,611	SH	SOLE	1	513,611	0	0
WALT DISNEY CO/THE	COM	254687106	68,624	625,842	SH	SOLE	1	625,842	0	0
WARRIOR MET COAL INC	COM	93627C101	686	28,435	SH	SOLE	1	28,435	0	0
WASHINGTON FEDERAL INC	COM	938824109	5,866	219,618	SH	SOLE	1	219,618	0	0
WASHINGTON PRIME GROUP INC	COM	93964W108	705	145,001	SH	SOLE	1	145,001	0	0
WASHINGTON REIT	COM	939653101	1,212	52,697	SH	SOLE	1	52,697	0	0
WASHINGTON TRUST BANCORP	COM	940610108	471	9,914	SH	SOLE	1	9,914	0	0
WASTE CONNECTIONS INC	COM	94106B101	275	3,708	SH	SOLE	1	3,708	0	0
WASTE MANAGEMENT INC	COM	94106L109	13,494	151,639	SH	SOLE	1	151,639	0	0
WATERS CORP	COM	941848103	6,058	32,112	SH	SOLE	1	32,112	0	0
WATERSTONE FINANCIAL INC	COM	94188P101	281	16,781	SH	SOLE	1	16,781	0	0
WATSCO INC	COM	942622200	9,130	65,616	SH	SOLE	1	65,616	0	0
WATTS WATER TECHNOLOGIES A	ADR	942749102	1,392	21,565	SH	SOLE	1	21,565	0	0
WAVE LIFE SCIENCES LTD	COM	Y95308105	488	11,605	SH	SOLE	1	11,605	0	0
WAYFAIR INC CLASS A	COM	94419L101	125	1,383	SH	SOLE	1	1,383	0	0
WD 40 CO	COM	929236107	1,945	10,615	SH	SOLE	1	10,615	0	0

WEATHERFORD INTERNATIONAL PL	COM	G48833100	10	18,054	SH	SOLE	1	18,054	0	0
WEBSTER FINANCIAL CORP	COM	947890109	9,266	187,989	SH	SOLE	1	187,989	0	0
WEC ENERGY GROUP INC	COM	92939U106	12,769	184,369	SH	SOLE	1	184,369	0	0
WEIBO CORP SPON ADR	ADR	948596101	46	793	SH	SOLE	1	793	0	0
WEIGHT WATCHERS INTL INC	COM	948626106	3,997	103,690	SH	SOLE	1	103,690	0	0
WEINGARTEN REALTY INVESTORS	COM	948741103	6,035	243,255	SH	SOLE	1	243,255	0	0
WEIS MARKETS INC	COM	948849104	300	6,286	SH	SOLE	1	6,286	0	0
WELBILT INC	COM	949090104	35	3,145	SH	SOLE	1	3,145	0	0
WELLCARE HEALTH PLANS INC	COM	94946T106	6,494	27,507	SH	SOLE	1	27,507	0	0
WELLS FARGO (PLUS) CO	COM	949746101	66,098	1,434,418	SH	SOLE	1	1,434,418	0	0
WELLTOWER INC	COM	95040Q104	10,586	152,514	SH	SOLE	1	152,514	0	0
WENDY S CO/THE	COM	95058W100	5,969	382,413	SH	SOLE	1	382,413	0	0
WERNER ENTERPRISES INC	COM	950755108	3,550	120,174	SH	SOLE	1	120,174	0	0
WESBANCO INC	COM	950810101	1,263	34,415	SH	SOLE	1	34,415	0	0
WESCO AIRCRAFT HOLDINGS INC	COM	950814103	282	35,678	SH	SOLE	1	35,678	0	0
WESCO INTERNATIONAL INC	COM	95082P105	41	851	SH	SOLE	1	851	0	0
WEST BANCORPORATION	COM	95123P106	200	10,459	SH	SOLE	1	10,459	0	0
WEST PHARMACEUTICAL SERVICES	COM	955306105	14,810	151,080	SH	SOLE	1	151,080	0	0
WESTAMERICA BANCORPORATION	COM	957090103	1,120	20,114	SH	SOLE	1	20,114	0	0
WESTERN ALLIANCE BANCORP	COM	957638109	84	2,139	SH	SOLE	1	2,139	0	0
WESTERN ASSET MORTGAGE CAPIT	COM	95790D105	257	30,799	SH	SOLE	1	30,799	0	0
WESTERN DIGITAL CORP	COM	958102105	275,237	7,444,864	SH	SOLE	1	7,444,864	0	0
WESTERN NEW ENGLAND BANCORP	COM	958892101	174	17,360	SH	SOLE	1	17,360	0	0
WESTERN UNION CO	COM	959802109	2,873	168,393	SH	SOLE	1	168,393	0	0
WESTLAKE CHEMICAL CORP	COM	960413102	57	863	SH	SOLE	1	863	0	0
WESTROCK CO	COM	96145D105	5,012	132,731	SH	SOLE	1	132,731	0	0
WESTWOOD HOLDINGS GROUP INC	COM	961765104	185	5,454	SH	SOLE	1	5,454	0	0
WEX INC	COM	96208T104	12,335	88,072	SH	SOLE	1	88,072	0	0
WEYCO GROUP INC	COM	962149100	117	4,018	SH	SOLE	1	4,018	0	0
WEYERHAEUSER CO	COM	962166104	6,481	296,476	SH	SOLE	1	296,476	0	0
WHIRLPOOL CORP	COM	963320106	333,393	3,119,608	SH	SOLE	1	3,119,608	0	0
WHITE MOUNTAINS INSURANCE GP	COM	G9618E107	47	55	SH	SOLE	1	55	0	0
WHITESTONE REIT	COM	966084204	366	29,816	SH	SOLE	1	29,816	0	0
WHITING PETROLEUM CORP	COM	966387409	37	1,626	SH	SOLE	1	1,626	0	0
WIDOPENWEST INC	COM	96758W101	139	19,499	SH	SOLE	1	19,499	0	0
WILDHORSE RESOURCE DEVELOPME	COM	96812T102	254	17,974	SH	SOLE	1	17,974	0	0
WILEY (JOHN) (PLUS) SONS CLASS A	COM	968223206	4,330	92,182	SH	SOLE	1	92,182	0	0

WILLDAN GROUP INC	COM	96924N100	223	6,383 SH	SOLE	1	6,383	0	0
WILLIAM LYON HOMES CL A	COM	552074700	266	24,912 SH	SOLE	1	24,912	0	0
WILLIAMS COS INC	COM	969457100	9,527	432,072 SH	SOLE	1	432,072	0	0
WILLIAMS SONOMA INC	COM	969904101	9,969	197,610 SH	SOLE	1	197,610	0	0
WILLIS LEASE FINANCE CORP	COM	970646105	70	2,032 SH	SOLE	1	2,032	0	0
WILLIS TOWERS WATSON PLC	COM	G96629103	9,048	59,581 SH	SOLE	1	59,581	0	0
WILLSCOT CORP	COM	971375126	221	23,489 SH	SOLE	1	23,489	0	0
WINDSTREAM HOLDINGS INC	COM	97382A309	56	26,858 SH	SOLE	1	26,858	0	0
WINGSTOP INC	ADR	974155103	1,449	22,573 SH	SOLE	1	22,573	0	0
WINMARK CORP	COM	974250102	261	1,639 SH	SOLE	1	1,639	0	0
WINNEBAGO INDUSTRIES	COM	974637100	576	23,787 SH	SOLE	1	23,787	0	0
WINTRUST FINANCIAL CORP	COM	97650W108	7,642	114,933 SH	SOLE	1	114,933	0	0
WIPRO LTD ADR	ADR	97651M109	57	11,137 SH	SOLE	1	11,137	0	0
WISDOMTREE INVESTMENTS INC	COM	97717P104	603	90,698 SH	SOLE	1	90,698	0	0
WOLVERINE WORLD WIDE INC	COM	978097103	2,295	71,976 SH	SOLE	1	71,976	0	0
WOODWARD INC	COM	980745103	10,967	147,623 SH	SOLE	1	147,623	0	0
WORKDAY INC CLASS A	COM	98138H101	2,201	13,782 SH	SOLE	1	13,782	0	0
WORKIVA INC	COM	98139A105	673	18,756 SH	SOLE	1	18,756	0	0
WORLD ACCEPTANCE CORP	COM	981419104	494	4,833 SH	SOLE	1	4,833	0	0
WORLD FUEL SERVICES CORP	COM	981475106	3,853	179,940 SH	SOLE	1	179,940	0	0
WORLD WRESTLING ENTERTAIN A	COM	98156Q108	8,670	116,038 SH	SOLE	1	116,038	0	0
WORLDPAY INC CLASS A	COM	981558109	704	9,216 SH	SOLE	1	9,216	0	0
WORTHINGTON INDUSTRIES	COM	981811102	3,795	108,927 SH	SOLE	1	108,927	0	0
WP CAREY INC	COM	92936U109	190	2,902 SH	SOLE	1	2,902	0	0
WPX ENERGY INC	COM	98212B103	9,140	805,311 SH	SOLE	1	805,311	0	0
WR BERKLEY CORP	COM	084423102	14,663	198,395 SH	SOLE	1	198,395	0	0
WR GRACE (PLUS) CO	COM	38388F108	98	1,504 SH	SOLE	1	1,504	0	0
WRIGHT MEDICAL GROUP NV	COM	N96617118	2,228	81,866 SH	SOLE	1	81,866	0	0
WSFS FINANCIAL CORP	COM	929328102	753	19,856 SH	SOLE	1	19,856	0	0
WW GRAINGER INC	COM	384802104	5,173	18,319 SH	SOLE	1	18,319	0	0
WYNDHAM DESTINATIONS INC	COM	98310W108	8,007	223,418 SH	SOLE	1	223,418	0	0
WYNDHAM HOTELS (PLUS) RESORTS INC	COM	98311A105	9,198	202,734 SH	SOLE	1	202,734	0	0
WYNN RESORTS LTD	COM	983134107	4,172	42,179 SH	SOLE	1	42,179	0	0
XCEL ENERGY INC	COM	98389B100	12,064	244,853 SH	SOLE	1	244,853	0	0
XENCOR INC	COM	98401F105	1,112	30,761 SH	SOLE	1	30,761	0	0
XENIA HOTELS (PLUS) RESORTS INC	COM	984017103	1,276	74,207 SH	SOLE	1	74,207	0	0

XERIS PHARMACEUTICALS INC	COM	98422L107	75	4,403 SH	SOLE	1	4,403	0	0
XEROX CORP	COM	984121608	1,611	81,533 SH	SOLE	1	81,533	0	0
XILINX INC	COM	983919101	8,883	104,300 SH	SOLE	1	104,300	0	0
XOMA CORP	COM	98419J206	53	4,189 SH	SOLE	1	4,189	0	0
XPERI CORP	COM	98421B100	698	37,953 SH	SOLE	1	37,953	0	0
XPO LOGISTICS INC	COM	983793100	173	3,028 SH	SOLE	1	3,028	0	0
XYLEM INC	COM	98419M100	4,185	62,721 SH	SOLE	1	62,721	0	0
Y MABS THERAPEUTICS INC	COM	984241109	93	4,585 SH	SOLE	1	4,585	0	0
YELP INC	COM	985817105	7,272	207,831 SH	SOLE	1	207,831	0	0
YETI HOLDINGS INC	COM	98585X104	167	11,242 SH	SOLE	1	11,242	0	0
YEXT INC	COM	98585N106	814	54,804 SH	SOLE	1	54,804	0	0
YORK WATER CO	COM	987184108	272	8,478 SH	SOLE	1	8,478	0	0
YRC WORLDWIDE INC	COM	984249607	69	21,861 SH	SOLE	1	21,861	0	0
YUM BRANDS INC	COM	988498101	12,697	138,133 SH	SOLE	1	138,133	0	0
YUM CHINA HOLDINGS INC	COM	98850P109	449	13,402 SH	SOLE	1	13,402	0	0
YY INC ADR	ADR	98426T106	45	756 SH	SOLE	1	756	0	0
ZAFGEN INC	COM	98885E103	99	20,069 SH	SOLE	1	20,069	0	0
ZAGG INC	COM	98884U108	176	17,995 SH	SOLE	1	17,995	0	0
ZAYO GROUP HOLDINGS INC	COM	98919V105	125	5,484 SH	SOLE	1	5,484	0	0
ZEBRA TECHNOLOGIES CORP CL A	ADR	989207105	17,511	109,971 SH	SOLE	1	109,971	0	0
ZENDESK INC	COM	98936J101	148	2,544 SH	SOLE	1	2,544	0	0
ZILLOW GROUP INC A	COM	98954M101	39	1,252 SH	SOLE	1	1,252	0	0
ZILLOW GROUP INC C	COM	98954M200	85	2,698 SH	SOLE	1	2,698	0	0
ZIMMER BIOMET HOLDINGS INC	COM	98956P102	7,315	70,528 SH	SOLE	1	70,528	0	0
ZION OIL (PLUS) GAS INC	COM	989696109	15	35,886 SH	SOLE	1	35,886	0	0
ZIONS BANCORP NA	COM	989701107	3,119	76,558 SH	SOLE	1	76,558	0	0
ZIOPHARM ONCOLOGY INC	COM	98973P101	162	86,623 SH	SOLE	1	86,623	0	0
ZIX CORP	COM	98974P100	197	34,401 SH	SOLE	1	34,401	0	0
ZOETIS INC	COM	98978V103	19,135	223,691 SH	SOLE	1	223,691	0	0
ZOGENIX INC	COM	98978L204	1,007	27,631 SH	SOLE	1	27,631	0	0
ZOMEDICA PHARMACEUTICALS COR	COM	98979F107	33	27,145 SH	SOLE	1	27,145	0	0
ZSCALER INC	COM	98980G102	1,570	40,029 SH	SOLE	1	40,029	0	0
ZUMIEZ INC	COM	989817101	277	14,447 SH	SOLE	1	14,447	0	0
ZYNGA INC CL A	COM	98986T108	55	13,868 SH	SOLE	1	13,868	0	0